

Through – Parivesh Portal

दूर की सोच

Ref: PJJ/ENV/2024-25/888

Date: 30.11.2024

To,  
Regional Director  
Ministry of Environment, Forest and Climate Change  
Regional Office, Western Region  
Kendriya Paryavaran Bhavan  
Link Road No. 3, E-5, Ravishankar Nagar  
Bhopal – 462016

**Subject:** Submission of Six-Monthly Environmental Clearance (EC) Compliance Report for Prism Johnson Limited – Integrated EC of Unit-II & Limestone Mines

**Reference:** Environmental Clearance Letter No. F. J-11011/949/2007/IA-II(I) dated 22.09.2008

Dear Sir,

With reference to the above-mentioned subject, we hereby submit the six-monthly EC compliance report for the period April 2024 to September 2024. This report pertains to the compliance of conditions stipulated in the Environmental Clearance granted for the Integrated Prism Cement Unit-II and Limestone Mines (772.067 Ha, 117.594 Ha, and 99.416 Ha).

The compliance report has been prepared in accordance with the stipulated conditions of the environmental clearance, and all relevant supporting documents are enclosed for your kind perusal.

We trust that the report meets the required standards and is in order.

Thanking you.

Yours faithfully,  
For Prism Johnson Limited

  
Manoj Kumar Kashyap  
Vice President



Enclosures: As stated above.

**PRISM JOHNSON LIMITED**  
(Cement Division)

Compliance report with Regard to Environment Clearance accorded by MoEF& CC vide letter no. J-11011/949/2007-IA-II(I) dated 22.09.2008		
A. Specific Conditions:		
Sl. No.	Conditions	Compliance Status
I	<i>The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Madhya Pradesh Pollution Control Board.</i>	The gaseous and particulate matter emissions from various units conform to the standards prescribed by the Madhya Pradesh Pollution Control Board. The summary of the test reports along with comparison with standards is given in the table below and the test reports are enclosed as <b><u>Annexure 1</u></b>
	<i>At no time, particulate emissions from the cement plant including kiln, coal mill, and cement mill, cooler and captive power plant (CPP) shall not exceed 50 mg/Nm<sup>3</sup>.</i>	There is no CPP at our Cement Plant. The emissions from cement plant including kiln, coal mill, cement mill and cooler are well within prescribed limits. The analysis is done by M/s Vibrant Techno Lab Pvt. Ltd having NABL certificate no TC-11227 Dtd 20/12/2022 valid upto 19/12/2024 and CPCB recognition Dtd. 28/03/2023. The copies of the certificates are enclosed as <b><u>Annexure No.2.</u></b> The details are given in the following table:

Stack Emission Data Apr'24 - Sep'24							
Source of Emission		Raw Mill Emission	Cooler Stack Emission	Coal Mill Emission	Cement Mill (I) Emission	Cement Mill (II) Emission	Emission Standards for Cement Plant as per the Notification From MOEFCC dtd. 10th May, 2016
Stack Attached to		Kiln/Raw Mill Unit-2	Cooler Unit-2	Coal Mill Unit-2	Cement Mill-1(Unit-2)	Cement Mill-2(Unit-2)	
Stack Height (m)		100	65	50	49	49	
Stack Top		Circular	Circular	Circular	Circular	Circular	
Inside Diameter of Stack (m) (at sampling point)		4.75	4.5	4.5	1	1	
Cross Sectional Area of Stack (m <sup>2</sup> )		17.71	15.89	15.89	0.96	0.785	
APCD if any		Bag House	ESP	Bag house	Bag House	Bag House	30
Particulate Matter (PM)in mg/Nm <sup>3</sup>	Min	15.15	10.72	9.7	8.36	5.18	
	Max	17.66	20.9	13.378	13.81	18.77	
	Average	15.15	16.3	11.87	12.16	12.8	
Sulphur Di Oxide (SO <sub>2</sub> ) in mg/Nm <sup>3</sup>	Min	128.62	—	—	—	—	700
	Max	413.67	—	—	—	—	
	Average	223.92	—	—	—	—	
Nitrogen Oxides (NO <sub>X</sub> ) in mg/Nm <sup>3</sup>	Min	185.62	—	—	—	—	800
	Max	564.17	—	—	—	—	
	Average	281.42	—	—	—	—	



Sl. No.	Conditions	Compliance Status	
	<i>Continuous on-line monitors for particulate emissions shall be installed. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.</i>	<p>Continuous on-line monitors (CAQMS) for particulate emissions are installed. Interlocking facility is provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit is shut down automatically. 02nos of CAAQMS are installed at our plant site and 03 no. at Mines Site the make is ESA</p> <p>Location 1 - Steel Yard (Near Stores)  Location 2- Near Plant Gate  Location 3- Mines Area, Near Sub Station  Location 3- Mines Area, Near Sub Station  Location 4- At Hinauti Sijhata Mines  <b>Location 5- At Baghai Mines</b></p> <p>Photographs of AAQMS, CEMS &amp; display board is enclosed as <b>Annexure 01A</b>.  Interlocking facility has been provided in the pollution control equipment so that in the event of the pollution control equipment didn't work the respective unit(s) will be shut down automatically.  Relevant pictures displayed below</p>	
			
		Continuous Emission Monitoring Station	AQMS & Weather Monitoring Station



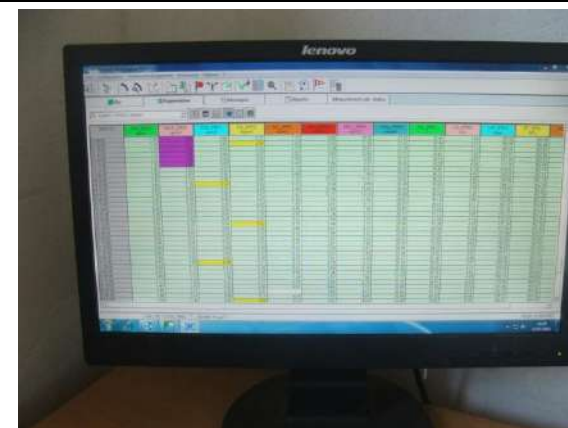
AQMS & Weather Monitoring Station



AQMS & Weather Monitoring Station(Mines)



Control Panel of AAQMS



Monitor Showing Online data

			
		LED Display at Main Gate	Control Panel of Stack Emission Monitoring System

Sl. No.	Conditions	Compliance Status																		
II	<i>Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored.</i>	<p>The Fugitive dust emission is controlled and is well within prescribed limit. The test reports of NABL accredited Laboratory is enclosed as <b>Annexure 3 a).</b></p> <p>M/s Vibrant Techno Lab Pvt. Ltd having NABL certificate no TC-11227 Dtd 20/12/2022 valid upto 19/12/2024 and CPCB recognition Dtd. 28/03/2023. The copies of the certificates are enclosed as <b>Annexure No.2.</b></p> <p>secondary fugitive monitoring is being undertaken by the project proponent in-house and the monitoring results are well within the prescribed limits of DISH. All the guidelines issued by the CPCB are being followed in this regard to minimise the secondary fugitive emissions. Following site observations were seen in compliance of the stipulated conditions;</p> <ol style="list-style-type: none"> <li>Coal is being unloaded through wagons and stocked in yard, where water sprinkling arrangement is provided. all the transfer points are completely enclosed with bag filters to arrest the fugitive dust generated. All the belt conveyors are covered.</li> <li>The following APCE are installed; <table border="1"> <thead> <tr> <th>S. No.</th><th>Location</th><th>Name of APCE</th></tr> </thead> <tbody> <tr> <td>1</td><td>Raw mill/ Kiln</td><td>RABH</td></tr> <tr> <td>2</td><td>Coal mill</td><td>Baghouse</td></tr> <tr> <td>3</td><td>Cement mill I</td><td>Baghouse</td></tr> <tr> <td>4</td><td>Cement mill II</td><td>Baghouse</td></tr> <tr> <td>5</td><td>Clinker cooler</td><td>ESP</td></tr> </tbody> </table> </li> <li>Water sprinkling is done at crusher dump hopper as well as on the belt conveyor from crusher to stacker.</li> <li>All the internal roads inside plant area are properly paved. Road sweeping machine is in place for cleaning if internal roads.</li> </ol>	S. No.	Location	Name of APCE	1	Raw mill/ Kiln	RABH	2	Coal mill	Baghouse	3	Cement mill I	Baghouse	4	Cement mill II	Baghouse	5	Clinker cooler	ESP
S. No.	Location	Name of APCE																		
1	Raw mill/ Kiln	RABH																		
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3	Cement mill I	Baghouse																		
4	Cement mill II	Baghouse																		
5	Clinker cooler	ESP																		

		<p>5. Covered shed for storage of coal is also seen.</p> <p>6. Clinker cooler section is connected with ESP and the fines collected at the fields of ESP is discharged at the DPC which conveys clinker from cooler to silo.</p> <p>7. Clinker is stored in clinker silo. Covered storage of clinker is seen. In an unavoidable case, storage is done in open and the clinker is covered with tarpaulin.</p> <p>8. Crushed limestone stock piles are stacked in open but all precautionary measures are taken to control fugitive dust generation, like maintain minimum gap between stacker boom and stacking material and water sprinkling on stacker belt.</p> <p>9. Dry fly ash is transported in bulkers and mechanically designed trucks only and unloaded pneumatically and mechanically in completely closed manner. Only dry fly ash are being used which is unloaded in completely closed manner.</p> <p>10. All the five packers in the cement packing section are connected with bag filters. Separate bag filters with proper dust extraction system has been installed for auxiliary circuit of each packages.</p> <p>11. Packer floor is swept regularly with hand held sweeping machine and cleanliness is maintained at packer floor.</p> <p>12. All the silos are equipped with bag filters.</p> <p>13. All the internal roads of the company are paved speed limit is maintained maximum upto 20 KMs.</p> <p>14. Signage's and display boards for speed limit have been displayed at prominent locations.</p> <p>The Fugitive dust emission is controlled and is well within prescribed limit. Photographs of various measures to control fugitive emission is enclosed as <b>Annexure 3.</b> &amp; fugitive dust emission report carried out by MOEF &amp; NABL accredited M/s Vibrant Techno Lab Pvt. Ltd. Is enclosed as <b>Annexure 3A</b></p> <p>The test results summary are presented below:</p>
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Sl. No.	Conditions	Compliance Status	
	<i>Guidelines/Code of Practice issued by the CPCB in this regard should be followed.</i>	CPCB guidelines/Code of Practice issued by the CPCB to control secondary fugitive emissions and compliance thereof are given below:	
		<b>Environmental guidelines for prevention and control of fugitive emissions from cement plants</b>	
		<b>Unloading Section(Limestone, Coal &amp; other relevant material)</b>	
		Enclosure should be provided for all unloading operations, except wet materials like gypsum	Coal is having around 8-10 % total moisture. Unloaded mechanically in yard
		Water shall be sprayed on the material prior and during unloading	Water sprinkling is done at crusher dump hopper as well as on the belt conveyor from crusher to stacker, installed fog cannon machine for dust suppression
		<b>Material Handling Section (Including Transfer Points)</b>	
		All transfer point locations should be fully enclosed.	All the transfer points are completely enclosed
		Airborne dust at all transfer operations / points should be controlled either by spraying water or by extracting to bag filter	All the transfer points are connected with bag filters to arrest the fugitive dust generated
		Belt conveyors should preferably be closed.	All the belt conveyors are covered
		<b>Coal Storage Section</b>	
		Coal yard / storage area should be clearly earmarked	Coal yard and other raw material storage area is clearly earmarked
		The pathways in coal yard for vehicle movement should be paved.	All the internal roads inside plant area is properly paved
		Accumulated dust shall be removed / swept regularly and water the area after sweeping. Any deposits of dust on the concrete roads should be cleaned regularly by sweeping machine	All the internal roads are cleaned with Automatic Truck mounted Road Sweeping machine and sweeping machines. And dust thus collected is recycled in cement manufacturing
		Coal other than coal stock pile should preferably be stored under covered shed	Coal is stored under covered shed
		The coal stock pile should preferably be under covered shed for new plants.	Coal is preferably stacked under covered shed
		Instead of dust extraction cum bag filter system, If dust suppression measure is used, following additional control measures should be provided.	
		Wetting before unloading.	Having total moisture, the coal does not spread away. However in dry season water is sprayed while unloading the coal
		Spray water at crusher discharge and transfer points.	Water spray is done on fine coal belt conveyor
		<b>Clinker Cooler Section</b>	
		Air borne fines extracted from clinker cooler shall be separated and sent to last possible destination directly, if possible	Clinker cooler section is connected with ESP and the fines collected at the fields of ESP is discharged at the DPC which conveys clinker from cooler to silo
		<b>Clinker Stock Piles Section</b>	
		In new cement plant, clinker should be stored preferably in silo.	Clinker is stored in clinker silo



		Clinker should be stored in closed enclosure covered from all sides and should have a venting arrangement along with a bag filter.	Clinker is stored in clinker silo and bag filter has also been installed at discharge end and at extraction point
		The dust extracted and captured in bag filter should be avoided to feed back / recycled to the clinker stockpile, if possible.	Dust collected in bag filters are recycled in the circuit which helps in resource conservation
		Generally open storage of clinker should be avoided. Only in case of emergency clinker should be stored in open with following control measures	Clinker storage in open is avoided and is done in case of emergency only
		Area for open storage of clinker should be clearly earmarked.	Area is earmarked for this purpose
		Provide cover on openly stored clinker.	In case of open storage, the clinker is properly covered with Tarpaulin
		Provide windbreak walls or greenbelt on three sides of open stock piles	Area is covered with wind break wall/ green belt of suitable height all around
		Provide partial enclosure for retrieving area.	Partial enclosed is provided
		The travel path of pay loaders should be paved and frequently swept.	Travel path of pay loader is paved
		Provide loading of clinker by pay loaders into trucks / trailers be carried out in an enclosure vented to a bag filter.	Mechanical clinker loading system has been installed with appropriate dust collection system
		<b>Storage of Limestone, Gypsum, Fly ash and other additives:</b>	
		The storage should be done under covered shed	Raw Materials are stored under covered sheds Crushed limestone stock piles are stacked in open but all precautionary measures are taken to control fugitive dust generations like installed fog cannon machine for dust suppression, maintain minimum gap between stacker boom and stacking material and water sprinkling on stacker belt.
		Dry fly ash shall be transported by closed tankers. In case of wet fly ash trucks may be used for transportation	Dry fly ash is transported in bulkers and mechanically designed trucks only and unloaded pneumatically and mechanically in completely closed manner
		Dry Fly ash shall be stored in silos only	Dry fly ash is stores in silos only
		Fly ash in the dry form should be encouraged and in wet form should be discouraged. In case of wet fly ash is to be used, it may be stored in open temporarily for the purpose of drying with necessary wind break arrangement to avoid wind carryover of fly ash. The fly ash should be removed immediately after drying	We are using only dry fly ash which is unloaded in completely closed manner & conditioned fly ash stored in covered storage shed.
		<b>Cement Packing Section</b>	
		Provide dust extraction arrangement for packing machines.	All the five packers are connected with bag filter of 35000 M3/hr. capacity
		Provide adequate ventilation for the packing hall.	Proper ventilation is made at packer floor
		Spillage of cement on floor shall be minimized and cleared daily to prevent fugitive emissions.	Packer floor is swept regularly with sweeping machine and cleanliness is maintained at packer floor

		Prevent emissions from the recycling screen by installing appropriate dust extraction system	Separate bag filter of 15000 M3/hr. capacity with proper dust extraction system has been installed for auxiliary circuit of each packers
		<b>Silo Section</b>	
		The silo vent be provided with a bag filter type system to vent out the air borne fines.	All the silos are equipped with bag filters
		<b>Roads</b>	
		All roads on which vehicle movement of raw materials or products take place should be paved.	All the internal roads of the company are paved
		Limit the speed of vehicles.	Speed limit is maintained maximum upto 20 KMs Signage's and display boards for speed limit have been displayed at prominent locations
		Employ preventive measures to minimize dust build up on roads	All precautionary measures are taken to minimise the dust build up on the roads Pavement and maintenance of roads Follow speed limits, No overloading etc
		Carry out regular sweeping of roads to minimize emissions.	Internal roads are cleaned with hand held sweeping machines.

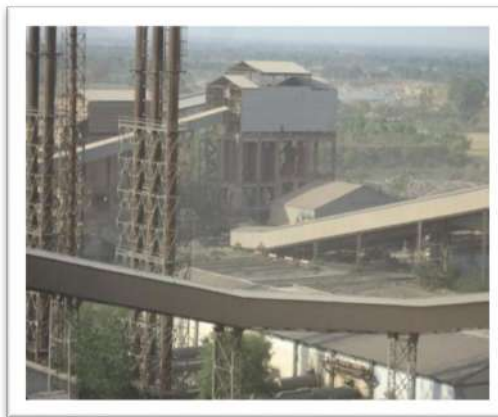
Sl. No.	Conditions	Compliance Status																										
	<i>The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points.</i>	<p>Bag house/Bag filters, ESP have been installed in the plant to arrest the dust emissions. Proper hood/skirt boards for the dust extraction system for the dust extraction system are installed at each material transfer points to control fugitive dust emissions at material transfer points.</p> <p>Following are the details of APCE installed with its respective units</p> <table><tr><th>Sl. No</th><th>Location</th><th colspan="2">Name of APCE</th></tr><tr><td>1</td><td>Raw Mill / Kiln</td><td colspan="2">RABH</td></tr><tr><td>2</td><td>Coal Mill</td><td colspan="2">Bag House</td></tr><tr><td>3</td><td>Cement Mill 1</td><td colspan="2">Bag House</td></tr><tr><td>4</td><td>Cement Mill 2</td><td colspan="2">Bag House</td></tr><tr><td>5</td><td>Clinker Cooler</td><td colspan="2">ESP</td></tr></table> <p>To control the dust emissions 114 numbers of bag filters associated with the transfer points have been provided in the plant.</p> <p>Pictures of bag house ESP etc. are displayed.</p>			Sl. No	Location	Name of APCE		1	Raw Mill / Kiln	RABH		2	Coal Mill	Bag House		3	Cement Mill 1	Bag House		4	Cement Mill 2	Bag House		5	Clinker Cooler	ESP	
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Sl. No.	Conditions	Compliance Status
	<i>Atomized water spray system with reclaimers shall be installed in silo used for the storage of ash.</i>	Dry fly ash is pneumatically unloaded and stored into fly ash silo from closed bulkers containing fly ash.
	<i>Covered conveyer belts shall be used to reduce fugitive emissions.</i>	Agreed and installed- Location from crusher to stacker; Raw Mill hopper to Raw Mill and from Coal mill stacker to coal mill, the entire conveyor belts are covered . the additive conveyor belts too, are covered
	<i>Concreting of all the roads, water sprinkling system at limestone and coal handling area shall be ensured to reduce fugitive emissions.</i>	<p>Concrete roads are provided within the plant and colony. Water spray through tankers is done on bare lands &amp; WBM roads for limestone and coal handling areas.</p> <p>Dense plantation on the periphery and within the plant and colony has been developed. Extensive plantation is done inside plant &amp; mines.</p> <p>In addition to the above we have installed Atomized permanent water sprinklers and water spraying arrangement in the haul road.</p> <p>Photographs are displayed herewith:</p>
		<div data-bbox="678 751 1155 1126" data-label="Image"> </div> <p>Plantation at the plant area</p> <div data-bbox="1451 738 1899 1126" data-label="Image"> </div> <p>Water Sprinkler at Haul Road in Mines</p>



Raw materials covered sheds



Covered conveyor belts



Wet drilling in mines area



Photographs of concrete roads





Photographs of Water sprinkling system at limestone handling



Atomized Water Spray System



Water Tanker for Mines area

Sl. No.	Conditions	Compliance Status											
III	Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities.	Ambient air quality including ambient noise levels do not exceed the standards stipulated under EPA or by the State authorities.  The parameters monitored during the period of April 24 to Sep’24 are found within the given stipulations. The results of analysis for AAQM and Noise are enclosed <b>Annexure-4</b> and <b>Annexure 5.</b> and summary is given below:											
		Summary of AAQ (Apr’24 to Sep’24)											
		Month	Particular	PM 10	PM2.5	SO2	NOX	CO	PM 10	PM2.5	SO2	NOX	CO
				µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3
				SW (BP No. 18)					Near Western side ML boundary (Pillar No. 14) of ML area				
		6 monthly average	Min	47.55	29.46	12.96	17.86	BDL	48.67	27.98	9.92	13.87	BDL
			Max	60.05	36.05	14.21	21.05	BDL	62.02	35.05	14.83	18.49	BDL
			Average	52.90	32.79	13.63	19.64	BDL	53.88	30.88	11.77	15.42	BDL
			Particular	Near Mankahari Village					Near Hinouti Village				
			Min	49.83	29.19	10.12	14.56	BDL	50.27	28.59	11.04	16.98	BDL
			Max	62.05	33.56	13.05	17.05	BDL	62.04	33.20	13.25	20.05	BDL
			Average	53.72	31.74	11.258	15.55	BDL	54.48	31.38	12.22	18.03	BDL

	Monitoring of ambient air quality and shall be carried-out regularly in consultation with MPPCB and data for air emissions shall be submitted to the CPCB and MPPCB regularly.	Regular ambient air quality monitoring and noise level monitoring are done with the calibrated instruments. Ambient air quality and Ambient Noise levels does not exceed the standards stipulated under EPA or by the state authorities. The analysis is done by M/s Vibrant Techno Lab Pvt. Ltd having NABL certificate no TC-11227 Dtd 20/12/2022 valid upto 19/12/2024 and CPCB recognition Dtd. 28/03/2023. The copy of the certificates are enclosed as <b>Annexure No.2.</b>									
		AMBIENT NOISE LEVELS MONITORED									
		PRISM JOHNSON LTD									
		Noise (Ambient Standard)			Test Report of Ambient Level of Cement Plant Unit-II						
		Category Area	Day Time	Night Time	Location	Day Time Leq Value in dB(A)			Night Time Leq Value in dB(A)		
						Min	Max	Average	Min	Max	Average
		Industrial Area	75	70	Near Stacker	55.22	58.05	56.98	50.1	52.77	51.26
		Commercial Area	65	55	Near Guest house	52.32	55.92	54.60	48.12	50.65	49.32

			Residential Area	55	45	Near Steel Yard	52.5	55.7	53.37	47.05	49.8	48.27
			Silence Zone	50	40	Near Admin Building	51.82	57.17	55.57	47.82	52.07	50.39
			Noise (Ambient Standard)		Test Report of Ambient Level of all Mines							
			Category Area	Day Time	Night Time	Location	Day Time Leq Value in dB(A)			Night Time Leq Value in dB(A)		
							Min	Max	Average	Min	Max	Average
			Industrial Area	75	70	Village Chulhi	52.00	54.50	53.25	44.80	49.80	47.48
			Commercial Area	65	55	Village Majhiyar	49.90	56.20	53.18	46.20	50.10	47.90
			Residential Area	55	45	Village Malgaon	50.60	54.00	52.28	45.00	49.20	47.23
			Silence Zone	50	40	Village Hinauti	55.90	59.00	57.23	46.90	51.00	49.80
						Hinauti village	51.90	59.00	55.42	46.20	51.20	49.22
						Bandarkha mines	52.00	60.40	56.10	45.00	52.90	49.53
						Chulhi village	50.60	56.20	52.95	44.80	49.30	47.05
						Kulhari village	49.60	55.90	51.98	44.10	47.60	46.02
						SW (BP No. 18)	52.77	57.35	55.13	47.75	51.10	49.67
						Near Western side ML boundary (Pillar No. 14) of ML area	50.50	52.02	51.45	46.05	48.27	46.92
						Mankahari Village	46.35	51.90	49.60	41.70	47.52	45.57
						Hinauti village	48.67	53.40	51.89	44.52	49.10	47.07
						Nr. Nar Nala Bridge	50.42	53.00	51.38	45.72	47.85	46.95
						Nr. Medhi mines boundary pillar No 28	49.27	54.35	51.60	45.20	48.50	46.69
						Nr. Medhi mines boundary pillar No 23	49.67	55.27	52.09	45.45	48.45	46.67
						Village Malgaon	51.00	53.15	52.25	46.12	47.97	47.24

Sl. No.	Conditions	Compliance Status
	<i>The instruments used for ambient air quality monitoring shall be calibrated time to time.</i>	Ambient air quality monitoring instruments are calibrated time to time- Calibration certificates are attached at - <b>Annexure no. 6</b>
<b>IV</b>	<i>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.</i>	<p>M/s Prism Johnson Limited has developed well defined method to reduce the Impact of transport of raw material and product on the surrounding environment and over agricultural land. Rail transport system has also been used which also help to reduce impact on the environment. Some of them are as follows:</p> <p>All the Roads inside the plant premises are concreted.</p> <p>This includes road from dispatch gate to main public road.</p> <p>Covered belt conveyors have been used from crusher to stacker.</p> <p>Dry fly ash is transported in to closed bulkers.</p> <p>Regular water spraying arrangement at mining lease on haul road.</p> <p>114 Nos Bag-filters have been installed at all transfer points</p> <p>Dense Canopy plantation all over plant and mines area.</p> <ol style="list-style-type: none"> <li>1. The ~95% of the limestone is transported to the plant by in trucks covered by the tarpaulin &amp; ~5% by rail</li> <li>2. ~80% of clinker transport is done by road whereas ~20% is done by rail.</li> <li>3. ~60% of cement transport is done by road whereas ~40% is done by rail.</li> <li>4. 100% of Coal transported to the plant by rail</li> <li>5. Fly ash is transported by bulkers and closed body trucks</li> </ol> <p>Raw materials and end products are being transported in trucks covered by the tarpaulin and bulkers to reduce the effects of fugitive emission on the surrounding environment and agriculture land.</p> <p>Rail transport system has also been used which also help to reduce impact of transport. Other measures adopted to reduce the impact of transport are as follows:</p> <ol style="list-style-type: none"> <li>1. All the Roads inside the plant premises are concreted.</li> <li>2. Permanent water sprinklers system has been installed at the haul roads of Limestone Mine and Water spraying with the help of water tanker is also done to control fugitive emission which can be caused by the movement of vehicles.</li> <li>3. Raw materials and end products are transported within the plant premises with the help of closed conveyor belts to reduce impact of transport.</li> <li>4. 114 No's Bag-filters have been installed to control fugitive emission.</li> <li>5. Dense plantation is done in Plant &amp; Mines premises.</li> </ol> <p>Few photographs in support to the above is given</p>



Water Spraying on conveyor belt



Concrete road in plant premises



Concrete road in plant premises





Permanent water sprinklers system has been installed at the haul roads of Limestone Mine



Fog Cannon



Truck mounted vacuum cum ride-on sweeping machine



Ride-on sweeping machine.

Sl. No.	Conditions	Compliance Status			
V	<i>Fly ash shall be utilized as per the provisions of Fly Ash Notification-1999, subsequently amended in 2003. Fly ash shall be stored in ash silo and 100% used in the cement manufacturing</i>	Fly ash has been utilized for manufacturing of PPC and procured through closed bulker only from nearby thermal power plants. It is pneumatically pumped in closed silos and transported to cement mill. There are 02 numbers of silos having capacity of 4000MT & 5000MT.			
			Yearly Fly Ash Consumption		
			Year	Qty. (MT)	
			2013-2014	688628	
			2014-2015	907848	
			2015-2016	848939	
			2016-2017	810908	
			2017-2018	701922	
			2018-2019	855770	
			2019-2020	808392	
			2020-2021	906630	
			2021-2022	391212	
			2022-2023	923068	
			2023-2024	1010363	
			2024-25 (till September)	457458	

Sl. No.	Conditions	Compliance Status																								
VI	<i>The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Bhopal, CPCB and SPCB.</i>	<p>Permission has been taken to utilized high calorific waste material. Copy of CTO is attached as <b><u>Annexure no 7</u></b></p> <p>The data related to utilization of the high calorific hazardous waste in the cement kiln are being submitted regularly as the part of the six monthly EC compliance report</p> <p>Record of the waste utilized is being maintained and is submitted to the Ministry's Regional Office at Bhopal, CPCB and SPCB. Details of hazardous waste used in FY 2023-24 is as under:</p> <p style="text-align: center;"><b>Hazardous Waste Details FY 2023-24</b></p> <table border="1"> <thead> <tr> <th>Category</th><th>Waste Type</th><th>Total (MT)</th></tr> </thead> <tbody> <tr> <td>I-29-29.1</td><td>Process waste</td><td>0</td></tr> <tr> <td>I-20-20.3</td><td>Distillation Residue</td><td>0</td></tr> <tr> <td>I-28-28.6</td><td>Spent Solvent</td><td>27</td></tr> <tr> <td>I-26-26.4</td><td>Spent Solvent</td><td>0</td></tr> <tr> <td>I-28-28.1</td><td>Process residue</td><td>0</td></tr> <tr> <td>Waste Mix Liquid(OW)</td><td>Waste Mix Liquid</td><td>5759</td></tr> <tr> <td colspan="2"><b>Grand Total (MT)</b></td><td><b>22193</b></td></tr> </tbody> </table>	Category	Waste Type	Total (MT)	I-29-29.1	Process waste	0	I-20-20.3	Distillation Residue	0	I-28-28.6	Spent Solvent	27	I-26-26.4	Spent Solvent	0	I-28-28.1	Process residue	0	Waste Mix Liquid(OW)	Waste Mix Liquid	5759	<b>Grand Total (MT)</b>		<b>22193</b>
Category	Waste Type	Total (MT)																								
I-29-29.1	Process waste	0																								
I-20-20.3	Distillation Residue	0																								
I-28-28.6	Spent Solvent	27																								
I-26-26.4	Spent Solvent	0																								
I-28-28.1	Process residue	0																								
Waste Mix Liquid(OW)	Waste Mix Liquid	5759																								
<b>Grand Total (MT)</b>		<b>22193</b>																								

Sl. No.	Conditions	Compliance Status				
VII	Total water requirement shall not exceed 2500 m3/day.	Total per day water consumption for industrial purpose 570.13 m³/day, water usage for domestic purpose in new colony is 274.04 m³/day and usage for horticulture is 383.28 m³/day (this water is treated waste water generated from STP). Water consumption details is enclosed as <b>Annexure 8 (a)</b> .  The water consumption figures of the last six month is summarized below				
			Month	Plant KL	Domestic Colony KL (Unit-2)	STP recycled water KL (Unit- 1&2)
			Apr'24	20072	4952	15007
			May'24	20054	9538	14150
			June'24	20639	10174	15344
			July'24	9767	8389	8529
			Aug'24	14313	8284	8624
			Sept'24	19489	8813	8488
			Total (KL)	104334	50150	70142
			Per day average (KL)	570.13	274.04	383.28
Water Consumption April-24 to September-24						



Sl. No.	Conditions	Compliance Status
	<p><i>The treated wastewater from STP and utilities shall be reutilized for green belt development and other plant related activities i.e. cooling and dust suppression in raw material handling area etc., after necessary treatment.</i></p>	<p>STP is established within the plant premises and treated water is used for horticulture purpose. STP photographs displayed.</p> <p>The treated waste water quality of STP are enclosed as <b><u>Annexure 8(b)</u></b></p> <div data-bbox="1077 416 1653 863" data-label="Image"> </div> <p style="text-align: center;"><b>STP at Prism Cement Plant</b></p>
		<p>The analysis of STP outlet water is done by M/s Vibrant Techno Lab Pvt. Ltd having NABL certificate no TC-11227 Dtd 20/12/2022 valid upto 19/12/2024 and CPCB recognition Dtd. 28/03/2023. The copies of the certificates are enclosed as <b>Annexure No.2.</b></p> <p>Waste water test report and summary are given below:</p>



## TEST REPORT



Sample Number : VTL/WW/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Waste Water

Sampling Location : STP Inlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400001312F

Report No. : VTL/WW/2406280001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit
1	pH	IS: 3025 (P-11): 2022	6.92	-
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	149.00	mg/l
3	Total Dissolved Solids (TDS)	IS: 3025 (P-16): 2023	1410.00	mg/l
4	Oil & Grease	IS: 3025 (P-39): 2021	6.21	mg/l
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	52.0	mg/l
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	240.0	mg/l

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*

STP Inlet Test report



## TEST REPORT



Sample Number : VTL/WW/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Waste Water

Sampling Location : STP Outlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000001313F

Report No. : VTL/WW/2406280002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.34	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	28.4	mg/l	100
3	Total Dissolved Solids (TDS)	IS: 3025 (P-16): 2023	840.0	mg/l	2100
4	Oil & Grease	IS: 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	12.50	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	54.23	mg/l	250

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*


STP outlet Test report

	<p><i>'Zero' discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.</i></p>	<p>Since the process of cement manufacturing is dry, no process effluents are generated.</p> <p>Water is only used for cooling, domestic purposes. The water is not discharged outside the premises.</p> <p>Waste water from colony is treated in STP and used for horticulture. Sludge from drying beds is utilized as manure for horticulture purpose.</p> <p>The treated waste water quality of STP are enclosed as <b>Annexure 8(b)</b> Photographs of STP and Green Belt is enclosed as Annexure 8 (c).</p> <p>Source of water is identified as mines pits &amp; bore wells.</p> <p>NOC from CGWA was obtained vide NOC no. CGWA/NOC/IND/REN/3/2023/8656 dated 05/12/2023 valid upto <b>11/09/2025</b>. The copy of permission is enclosed as <b>Annexure 8(d)</b>.</p> <p>Zero discharge from the plant and mine has been ensured.</p> <p>The details of water and waste water consumption in summarized below:</p> <div data-bbox="1059 726 1733 1171"><pre>graph LR; A[Intake Water 844.17 KL] --&gt; B[Plant Operation 570.13 KL]; A --&gt; C[Colony Water (Unit-2) Supply 274.04 KL]; C --&gt; D[Treated by STP (Unit 1 &amp; 2) 383.28 KL]; D --&gt; E[Plantation &amp; Gardening (Old &amp; New Colony) 383.28 KL];</pre><p>The diagram illustrates the water balance for the cement plant. It starts with 'Intake Water' of 844.17 KL, which is split into 'Plant Operation' (570.13 KL) and 'Colony Water (Unit-2) Supply' (274.04 KL). The colony water supply is then treated by the STP (Unit 1 &amp; 2), resulting in 383.28 KL of treated water, which is then used for 'Plantation &amp; Gardening (Old &amp; New Colony)'.</p></div> <p style="text-align: center;"><b>Water balance for Cement Plant</b></p>

			<b>Process</b>	<b>Water Consumption KLD</b>	<b>Waste Water generation KLD</b>	<b>Treatment Point</b>	<b>Utilization /recycling points</b>	
			Domestic	274.04	383.28	STP	Horticulture	
			Industrial	----	----	----	---	
			Boiler	----	----	----	---	
			Cooling Tower	570.13	----	----	---	
			Horticulture	----	----		383.28	

		Water balance for Hinauti & Sijahata (772 .067ha)		
		<b>Process</b>	<b>Water Consumption KLD as pe mining plan</b>	<b>Waste Water generation KLD</b>
		Dust suppression	33	NIL
		Mining/Drilling	12	NIL
		Drinking	30	NIL
		Plantation and green belt	24	NIL
		Others (Plant & Workshop)	27	
		Total	126	NIL
		Water balance for Mendhi (117.594 ha)		
		<b>Process</b>	<b>Water Consumption KLD as pe mining plan</b>	<b>Waste Water generation KLD</b>
		Dust suppression	04	NIL
		Mining/Drilling	00	NIL
		Drinking	0.5	NIL
		Plantation and green belt	2.0	NIL
		Total	6.5	NIL
		Water balance for HinautiSijhata (99.416 ha)		
		<b>Process</b>	<b>Water Consumption KLD as pe mining plan</b>	<b>Waste Water generation KLD</b>
		Dust suppression	06	NIL
		Mining/Drilling	01	NIL
		Drinking	0.5	NIL
		Plantation and green belt	04	NIL
		Total	11.5	NIL

Sl. No.	Conditions	Compliance Status
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VIII	<p><i>Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site.</i></p>	<p>Rain water harvesting measures have been implemented in plant premises as well in Mines and nearby villages. Details of water harvesting measures are mentioned below:</p> <ol style="list-style-type: none"> <li>1. Water harvesting pond of capacity 13 Lac m<sup>3</sup> has been constructed in Mines area.</li> <li>2. There are 12 Nos of Roof top rain water harvesting structures inplant premises These are: <ol style="list-style-type: none"> <li>1. MRSS building</li> <li>2. Project Office building</li> <li>3. School Building.</li> <li>4. Cement Mill Unit II Load Center</li> <li>5. Cooler load Center of Unit I</li> <li>6. Cooler load Center of Unit II</li> <li>7. Store building.</li> <li>8. New security barrack</li> <li>9. Duratech shed</li> <li>10. Packing plant Unit-1</li> <li>11. Packing plant Unit-2</li> <li>12. Mines workshop</li> </ol> </li> <li>3. Recharge Bore Hole for Recharging the Ground Water - 22 Nos</li> <li>4. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system.</li> <li>5. Construction of water reservoir at Baghai village for water conservation</li> </ol> <p>Photographs of rain water Harvesting Structure is enclosed as <b>Annexure 09</b>.</p> <div data-bbox="1115 874 1659 1289">  </div> <p>Water reservoir developed at Hinauti Mine</p>
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		 <p>Artificial recharge structure</p>	 <p>Drum based roof top rain water harvesting structure</p>
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Sl. No.	Conditions	Compliance Status
	<i>Besides, company must also harvest the rainwater from the rooftops and storm water drains to recharge the ground water.</i>	<p>There are 12 Nos of Roof top rain water harvesting structures in plant premises These are:</p> <ol style="list-style-type: none"> <li>1. MRSS building</li> <li>2. Project Office building</li> <li>3. School Building.</li> <li>4. Cement Mill Unit II Load Center</li> <li>5. Cooler load Center of Unit I</li> <li>6. Cooler load Center of Unit II</li> <li>7. Store building.</li> <li>8. New security barrack</li> <li>9. Duratech shed</li> <li>10. Packing plant Unit-1</li> <li>11. Packing plant Unit-2</li> <li>12. Mines workshop</li> </ol> <p>5 More RWH structures are under progress. Filters have been installed at roof top drain so as to filter out the dust, grits solid contents into bore-wells.</p> <p>Filters have been installed at roof top drain so as to filter out the dust, grits solid contents into bore-wells.</p>





The rainwater harvesting structures have also been constructed and being maintained outside the lease area.

Consistent pond deep is carried out at village Mankahari. Photograph attached.

Recharge structures are constructed at 04 locations in Baghai, Sijhata, Hinauti and Mankahari villages. - Photographs displayed.



**Recharge Structure**



**Recharge Structure**



**Water Harvesting Structure on Well at Baghai**







Artificial ground water recharge structures



			<div data-bbox="1108 119 1556 782"> <div> <div>कार्यालय ग्राम पंचायत- मनकहरी</div> <div>जनपद पंचायत- रामपुर बाघेलान, जिला- सतना (म.प्र.)</div> </div> <div> <div>(सहसंचालक)</div> <div>श्री सागरनाथ ठाकुर</div> <div>मो. 8982629350, 9685700159</div> </div> <div> <div>पितामह</div> <div>श्री. मनकहरी, पो. बरठिया (रामवल्लभ),</div> <div>तहसील, रामपुर बाघेलान,</div> <div>जिला- सतना (म.प्र.)</div> </div> <div> <div>क्र...22.....</div> <div>दिनांक...12.10.2018.....</div> </div> <div> <div>आभार पत्र</div> <div>ग्राम पंचायत मनकहरी में पानी की कमी के कारण जलार्जन योजना के तहत ग्राम पंचायत के द्वारा ग्राम मनकहरी में स्थित ताताब के गहरीकरण का अनुरोध दिव्य जलसन्निधि लिमिटेड मनकहरी से किया गया था। दिव्य जलसन्निधि लिमिटेड, मनकहरी, जिला सतना द्वारा उपरोक्त कार्य को सफलतापूर्वक सम्पन्न कर उनमें भूमिगत जल संरक्षण हेतु सिंगल एवं डबल कोर तकनीक से जलसंस्करण संरचनाओं का निर्माण कराया गया है।</div> <div>ग्राम पंचायत मनकहरी के सभी ग्रामीणजन, दिव्य जलसन्निधि लिमिटेड के इस पुनीत कार्य के लिये किये गये अथक प्रयास, समाज के लिये समर्पण एवं सामाजिक उत्तरदायित्वों के प्रति आपकी दृढ़ प्रतिबद्धता को सम्मानित करते हुये गौरवशायित्व महसूस कर रहे हैं।</div> <div>आशा करते हैं कि भविष्य में भी हमें सामाजिकसेवी कार्यों हेतु हमेशा की तरह आपका सहयोग सदैव प्राप्त होता रहेगा।</div> <div>भवदीय</div> <div> <div>सहसंचालक</div> <div>कार्यालय-ग्राम पंचायत-मनकहरी</div> <div>म.प्र. रामपुर बाघेलान जिला (म.प्र.)</div> <div>पि. २०० - रामपुर बाघेलान,</div> <div>जिला - सतना (म.प्र.)</div> </div> </div> </div>
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Sl. No.	Conditions	Compliance Status
IX	<i>The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28°.</i>	<p>We have obtained approval of further Schemes of mining for the leases of PCL as follows:</p> <ol style="list-style-type: none"> <li>772.067 ha (Hinauti&amp;Sijahata) vide IBM letter no MP/Satna/ Limestone/RMP-39/19-20 Dt.31.03.20,</li> <li>99.416 ha (Hinauti &amp; Sijahata) vide IBM letter no MP/Satna/ Limestone/RMP-50/2021-22 Dt. 20.12.21,</li> <li>117.594 ha (Mendhi) vide IBM letter No. E 10308 MCDR-MPCOLST/11/2024-JBP-IBM_RO_JBP Dt. 29.05.2024 by the Indian Bureau of Mines.</li> </ol> <p>Copy of the approval letters are enclosed as <b>Annexure-11</b></p> <p>Dump height and slope has been maintained as per guidelines. The details are as below:</p> <p>The soil dumps are prefixed “S” and waste dumps are prefixed “D”.</p>

		<b>Table no. 1. ML area 772.067 Ha. (Hinauti&amp;Sijahata)</b> <b>Present Dumps status as per Mining Plan</b>			
		Dump No.	Location of Dump	Present Height of Dump (m)	Slope of the Dump
		S1	300E to 400E and 80N to 220N	2.0	24
		S2	410E to 880E and 210N to 350N	6.0	27
		S3	920E to 1010E and 320N to 360N	0	-
		S4	1060E to 1220E and -60N to 320N	0	-
		<b>Table no. 2. ML area 99.416 Ha. (Hinauti&amp;Sijahata)</b> <b>Present Dumps statusas per Mining Plan</b>			
		Dump No.	Location of Dump	Present Height of Dump(m)	Slope of the Dump
		D1	1720E to1810E and -1130N to-1155N	6.0	27
		D2	1670E to1720E and -1240N to-1120N	6.7	27.5
		<b>Table no. 3. ML area 117.594 Ha. (Mendhi)</b> <b>Present Dumps status:-Nil</b>			
					

		 <p>The overall slope of all the dumps as above does not exceed 28°.</p> <p>The height of OB dumps created are in contemplation with the mine plan and temporary in nature Dump height and slope has been maintained as per guidelines.</p>
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Sl. No.	Conditions	Compliance Status
X	<i>Top soil if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.</i>	<p>Top soil generated during mining is stacked separately &amp; used for reclamation of mined out area by spreading it over the waste rock after backfilling. The top soil is being used as per the approved Scheme of Mining for rehabilitation purposes. The soil dumps are adequately protected by plantation to control soil erosion and maintain soil fertility.</p> <p>Details regarding dumps is enclosed as <b>Annexure 12</b>.</p>


Sl. No.	Conditions	Compliance Status
XI	<i>The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations.</i>	<p>The Surface water bodies in area are observed as Tamas River, which is adjacent to the Hinauti &amp; Sijhata Limestone Mine in North direction. The Magardaha nalla is located outside the lease area in the western side. Magardaha nalla ultimately joins the Tamas River. Nar Nala falls outside the lease area and flanks the Baghai mining lease from the western side.</p> <p>No natural water course is obstructed due to mining and plant operations. The company is taking following measures for Protection of the Tamas River, Magardaha Nala and Nar Nala (natural water course) which is adjacent to the Hinouti, Sijhata and Baghai Limestone Mine in North. East and west direction respectively.</p> <ul style="list-style-type: none"> <li>• Solid barrier of minimum 50 m width has been made from the river bank to avoid the flow of surface run off to the River.</li> <li>• Garland drains made along the slope of dumps.</li> <li>• Rain water is channelized to a Settling Tank to eliminate silting of river and then discharged in natural drainage</li> </ul>

		<p>course.</p> <ul style="list-style-type: none"> <li>• Plantation has been done all along inside safety barrier of Tamas River.</li> <li>• Proper landscape has been developed near the River bank to avoid erosion.</li> </ul> <p>There is no proposal for diversion/obstruction/modification of any natural water course during mining activity.</p>
	<i>The company shall make the plan for protection of the natural water course passing nearby mine area and submit to the Ministry's Regional Office at Bhopal.</i>	The proposal for natural water course protection passing nearby mines area is submitted simultaneously. <b>Annexure no. 13.</b>

Sl. No.	Conditions	Compliance Status
XII	<i>The inter burden and other waste generated shall be stacked at earmarked dump site(s) only and should not be kept active for long period.</i>	<p>The interburden and waste generated during mining has been stacked at earmarked dump site as per approved mining plan. Dumps have been stabilized simultaneously by planting local species and bushes i.e. Bougainvillea, Karanj, Alstonia, Neem etc.</p> <p>In FY 2024-25 (till September) total 16,655 number of plantation has been done in Mines area and 8,343 no. of plantation has been done in plant and colony premises.</p> <p>In addition to the above we have planted &amp; distributed more than 5200 no. of plants during CSR activities in nearby village area FY 2024-25.</p>
	<i>The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the overall slope of the dump shall be maintained to 28°. The inter burden dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off.</i>	<p>Agreed.</p> <p>All dumps are as per specified designs and capacities as mentioned in SOM . The interburden and waste generated during mining has been stacked at earmarked dump site as per approved mining plan. Dumps have been stabilized simultaneously by planting local species and bushes i.e. Bougainvillea, karanj, Alstonia, Neem etc.</p> <p>The height of dumps are not exceeding 30 m and overall slope has maintained to 28°. Details regarding dumps is enclosed as <b>Annexure 12.</b></p>



		 <p>As on date the plant and colony premises have been vegetated with the 1,69,588 Nos of plantation of local varieties covering 105.15acre area which is the more than 33% of the total area. Total 25.33 acre area has been developed as green lawn and 79.82acre area has been covered with variety of tree plantation of local varieties.</p> <p>Approximately 120 Ha of mining lease areas have been reclaimed, which have been afforested with 3,84,068nos. of trees of different local species. Extensive plantation outside lease area has also been carried out. As CSR activity we have planted 1,47,588 saplings along roads and other places &amp; distributed 1,56,652 Nos of sapplings.</p> <p>The cumulative plantation as on date is 8,57,896 saplings.</p>
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	<i>Monitoring and management of rehabilitated areas should continue until the vegetation becomes self- sustaining.</i>	<p>Monitoring and management of rehabilitated areas is continued until the vegetation becomes self-sustaining.</p> 																
	<i>Compliance status should be submitted to the Ministry of Environment &amp; Forests and its Regional Office, Bhopal on six monthly bases.</i>	<p>Compliance status is submitted on regular interval to Ministry of Environment &amp; Forests and its Regional Office, Bhopal.</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th><th colspan="2">Leases integrated with U-II</th></tr> <tr> <th>Dispatch no.</th><th>Date</th></tr> </thead> <tbody> <tr> <td>2010</td><td>PCL/ENV/2012/119</td><td>29.12.2011</td></tr> <tr> <td rowspan="2">2011</td><td>PCL/ENV/2012/87</td><td>16.07.2012</td></tr> <tr> <td>PCL/ENV/2013/12</td><td>08.01.2013</td></tr> <tr> <td>2012</td><td>PCL/ENV/2013/66</td><td>16.05.2013</td></tr> </tbody> </table>	Year	Leases integrated with U-II		Dispatch no.	Date	2010	PCL/ENV/2012/119	29.12.2011	2011	PCL/ENV/2012/87	16.07.2012	PCL/ENV/2013/12	08.01.2013	2012	PCL/ENV/2013/66	16.05.2013
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			2013	PCL/ENV/2014/82	14.07.2014
				PCL/ENV/2015/19	17.03.2015
			2015	PCL/ENV/2018/81	02.09.2015
				PCL/ENV/2016/18	04.03.2016
			2016	PCL/ENV/2016/92	28.09.2016
				PCL/ENV/2017/26	07.03.2017
			2017	PCL/ENV/2017/67	14.08.2017
				PCL/ENV/2017/67	10.03.2018
			2018	PCL/ENV/2018/52	27.08.2018
				PCL/ENV/2019/100	14.01.2019
			2019	PCL/ENV/2019	15.06.2019
				PCL/ENV/2019/186	02.12.2019
			2020	PCL/ENV/2020/230	01.06.2020
				PCL/ENV/2020/292	01.12.2020
			2021	PJL/ENV/2021/360	01.06.2021
				PJL/ENV/2021/426	01.12.2021
			2022	PJL/ENV/2022/505	01.06.2022
				PJL/ENV/2022/576	01.12.2022
			2023	PJL/ENV/2023/666	01.06.2023
				PJL/ENV/2023/746	01.12.2023
			2024	PJL/ENV/2024/809	16.05.2024

Sl. No.	Conditions	Compliance Status
XIII	<i>The void left unfilled shall be converted into water body.</i>	<p>Agreed.</p> <p>One reservoir has been already created having capacity of 13lakh Cubic meter capacity.</p> <p>The accumulated water is used for industrial use at mine and cement plant. Proper landscaping is done around the water body.</p>



	<p><i>The higher benches of excavated void/mining pit shall be terraced and plantation to be done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body.</i></p>	<p>Mined out pit has been terraced and the gentle slope is stable and planted with adequate vegetation.</p> <p>The water reservoir has been developed in the partly mined out area, however at the end of the mine life the slope of higher benches shall be made gentler for easy accessibility by local people to use the water body &amp; compliance will be done.</p>
	<p><i>Peripheral fencing shall be carried out along the excavated area.</i></p>	<p>Fencing has been carried out along mined out areas. –Photograph displayed.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;">   </div>
XIV	<p><i>Catch drains and siltation ponds of appropriate size should be constructed for the working pit, inter-burden and mineral dumps to arrest flow of silt and sediment.</i></p>	<p>Approximately 720 m. of Catch drains along dumps and 03 Siltation ponds has been constructed to arrest flow of silt and sediment.</p> <p>The catch drains are for inter-burden and mineral dumps to arrest flow of silt and sediment.</p> <p>Garland drains along lease boundaries of 3.0 Km (cumulative in two locations) have been constructed.</p>

Check dams have been made at regular intervals in garland drains to hinder the flow of rain water and to arrest the silt.



*The water so collected should be utilized for watering the mine area, roads, green belt development etc.*



Agreed. Accumulated water is utilized for watering the mine area, roads and green belt development.

	<i>The drains should be regularly de-silted, particularly after monsoon, and maintained properly.</i>	The drains are regularly de- silted, particularly after monsoon, and maintained properly.
XV	<i>Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter-burden dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de-silted at regular intervals.</i>	<p>Garland drain having dimension of cumulative length of 3.0 Km, a width of 2.0 to 3 meters and depth of 0.75 to 1.2 meter. It is having appropriate gradient following natural contour.</p> <p>Sump size of length 25m x width 15m and depth 4m. has been constructed along the garland drain.</p> <p>Three additional siltation ponds are constructed along the garland drain. It is having a capacity of 50% safety margin to accommodate over and above peak sudden rainfall and maximum discharge in the area.</p> <p>Garland drains and de-siltation ponds are de-silted at regular intervals, especially after monsoon. Photographs are displayed below.</p> 
XVI	<i>Dimension of the retaining wall at the toe of inter-burden dumps and inter-burden benches within the mine to check run-off and siltation should be based on the rain fall data.</i>	<p>Retaining walls and toe drains are maintained to check runoff and siltation.</p> <p>The conditions of garland drains are improved well above the norms and retaining walls have been constructed all around the dumps. The images of the same is given below</p> 





XVII	<p>Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board. The frequency of monitoring should be four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bangalore, Central Ground Water Authority and Central Ground Water Board.</p>	<p>Regular monitoring of ground water level and quality has been carried out in and around project area. Piezometers are already constructed at the site. The monitoring results for Ground water Quality &amp; water level for winter season is being submitted to the MoEF, New Delhi, Regional Office of MoEF, Bhopal, Central Ground Water Authority New Delhi, Central Ground Water Board, Bhopal. Analysis report is enclosed as <b>Annexure 14(a)&amp;(b)</b>.</p> <p>There are 10 piezometers installed in the Mining lease and Plant area the recent observations of the ground water table are given below:</p> <table><tr><th>PZ No</th><th>Location</th><th>Apr</th><th>May</th><th>Jun</th><th>Jul</th><th>Aug</th><th>Sep</th></tr><tr><td>1</td><td>Near Colony Gate</td><td>16.5</td><td>17.3</td><td>16.2</td><td>17.5</td><td>4.9</td><td>6.5</td></tr><tr><td>2</td><td>In front of Den</td><td>6.3</td><td>7</td><td>7.2</td><td>5.1</td><td>2.1</td><td>3.5</td></tr><tr><td>3</td><td>Behind B Block Colony</td><td>17.4</td><td>18.1</td><td>17.3</td><td>18.1</td><td>1.3</td><td>13.7</td></tr><tr><td>4</td><td>Behind C block colony</td><td>4.1</td><td>7.2</td><td>6.2</td><td>4.5</td><td>1.2</td><td>3</td></tr><tr><td>5</td><td>Near New Magazine Mines</td><td>13.6</td><td>13.4</td><td>14</td><td>14.1</td><td>13.3</td><td>12</td></tr><tr><td>6</td><td>Mines near Ramprasan</td><td>15.2</td><td>15</td><td>15.3</td><td>12.3</td><td>8.4</td><td>12.75</td></tr><tr><td>7</td><td>Mankahari Mines</td><td>16.3</td><td>16.8</td><td>18.4</td><td>18.6</td><td>16.1</td><td>17.65</td></tr><tr><td>8</td><td>Western Block Mines</td><td>8.3</td><td>9</td><td>9.5</td><td>8.4</td><td>8</td><td>8</td></tr><tr><td>9</td><td>Mendhi Mines</td><td>12.5</td><td>12.4</td><td>14.5</td><td>9.6</td><td>6</td><td>7</td></tr></table>	PZ No	Location	Apr	May	Jun	Jul	Aug	Sep	1	Near Colony Gate	16.5	17.3	16.2	17.5	4.9	6.5	2	In front of Den	6.3	7	7.2	5.1	2.1	3.5	3	Behind B Block Colony	17.4	18.1	17.3	18.1	1.3	13.7	4	Behind C block colony	4.1	7.2	6.2	4.5	1.2	3	5	Near New Magazine Mines	13.6	13.4	14	14.1	13.3	12	6	Mines near Ramprasan	15.2	15	15.3	12.3	8.4	12.75	7	Mankahari Mines	16.3	16.8	18.4	18.6	16.1	17.65	8	Western Block Mines	8.3	9	9.5	8.4	8	8	9	Mendhi Mines	12.5	12.4	14.5	9.6	6	7
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	<p><i>The frequency of monitoring should be four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January).</i></p>	Regular monitoring of ground water level and quality has been carried out in and around project area as per the condition. Reports attached as <b>Annexure. 14(b)</b>																	
	<p><i>Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bangalore, Central Ground Water Authority and Central Ground Water Board.</i></p>	Piezometers are already constructed at the site. The monitoring results for Ground water Quality & water level for winter season is submitted to the MoEF, New Delhi, Regional Office of MoEF, Bhopal, Central Ground Water Authority, New Delhi, Central Ground Water Board, Bhopal. Monitoring results are enclosed as <b>Annexure 14(a).</b>																	
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Photographs of the Piezometer		

Sl. No.	Conditions	Compliance Status
XVIII	<i>Blasting operation should be carried out only during the daytime.</i>	<p>Complying with.</p> <p>Blasting has been done during day time only.</p>
	<i>Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented</i>	<p>Controlled blasting is carried out according to the recommendation of IIT ISM Dhanbad.</p> <p>The salient recommendations are given below:</p> <ul style="list-style-type: none"> <li>❖ The AOP has been recorded within prescribed limits</li> <li>❖ All the recorded data (blast vibrations, air overpressures and fly rocks) were well within the safe limit at the houses/structures concerned. The dominant peak frequencies of ground vibrations were in the range of 11.4 to 129</li> </ul>




		<p>Hz. FFT analysis of blast vibration frequencies confirmed that concentration of frequencies is in band of 13.3-40.3 Hz. So, the safe level of vibration has been taken as 10 mm/s for the safety of houses/structures of the surrounding villages as per DGMS standard.</p> <ul style="list-style-type: none"> <li>❖ Propagation equation for the prediction of blast vibration has been established and is given as Equation 1. The permissible explosive weight per delay may be computed from the Equation to contain vibration within safe limits for distances of houses/structures concerned. For convenience, the recommended explosives weight per delay has been computed and is given in Table A3.</li> <li>❖ The delay interval between the holes in a row should be 17 ms whereas between the rows, it should be 65 ms or more depending upon the number of rows and effective burden. If the numbers of rows are more than two, the delay interval between rows should be increased by 15% in successive rows.</li> <li>❖ It is recommended that the existing Nonel initiation system should be continued in the Blasting operations and Electronic initiation systems should be practiced on the benches near to the structures for more precise and accurate delay design. The sub-grade drilling should be 0.3 to 0.5 m for a blast hole depth of 6 to 7 m and should be initiated from the Bottom of the hole.</li> <li>❖ It is advisable to use blasting mate with sand bags in sensitive area to ensure any non-ejection of fly rocks. For this Nonel as well as electronic system may be used as an Initiation system.</li> <li>❖ The recommended blast designs should be followed for day-to-day blasting operations for safe and efficient blasting operations. The blast designs given in Annexure as Figures A1-A2, will ensure the safety of the houses/structures, life of human beings and other property in the periphery of the mine.</li> </ul> <p>Each blast is monitored for vibrations with Minimate and Nomiss seismographs.</p>
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The monitored data on ground vibration is enclosed as **Annexure- 15**


Sl. No.	Conditions	Compliance Status
XIX	<i>The project proponent shall adopt wet drilling.</i>	<p>Regular wet drilling is practiced. We have 03 nos. IBH 10 Atlas Copco make machines having inbuilt wet drilling arrangements. Photographs attached.</p> 
		

Sl. No.	Conditions	Compliance Status																				
XX	<i>As proposed, green belt should be developed in 33% in and around the plant as per the CPCB guidelines.</i>	<p>As on date the plant and colony premises have been vegetated with the 1,69,588 Nos of plantation of local varieties covering 105.15acre area which is the more than 33% of the total area. Total 25.33 acre area has been developed as green lawn and 79.82acre area has been covered with variety of tree plantation of local varieties.</p> <p>Approximately 120 Ha of mining lease areas have been reclaimed, which have been afforested with 3,84,068nos. of trees of different local species. Extensive plantation outside lease area has also been carried out. As CSR activity we have planted 1,47,588 saplings along roads and other places &amp; distributed 1,56,652 Nos of sapplings.</p> <p>The cumulative plantation as on date is 8,57,896 saplings.</p> <div></div> <p>The Species planted is given below:</p> <table><tr><th><i>Plant Species in Mines</i></th><th><i>Plant Species in Cement plant</i></th></tr><tr><td><i>Pongamia Pinnata (Karanj)</i></td><td><i>MimusopsElengi (Bakul/Molshree)</i></td></tr><tr><td><i>Alstonia Scholaris (Devil Tree)</i></td><td><i>SaracaAsoca (Ashok)</i></td></tr><tr><td><i>FicusReligiosa (Pipal)</i></td><td><i>MangiferaIndica (Mango)</i></td></tr><tr><td><i>DelonixRegia (Gulmohar)</i></td><td><i>PsidiumGuajava (Guava)</i></td></tr><tr><td><i>AzadirachtaIndica (Neem)</i></td><td><i>Citrus Limon (Lemon)</i></td></tr><tr><td><i>Bougainvillea</i></td><td><i>HyophorbeLagenicaulis (Bottle Palm)</i></td></tr><tr><td><i>FicusBenghalensis(Banyan Tree)</i></td><td><i>Michelia (Champa)</i></td></tr><tr><td><i>Dalbergia sissoo (Shisham)</i></td><td><i>SyzygiumCumini (Jamun)</i></td></tr><tr><td><i>Siamese cassia</i></td><td><i>Casuarina Equisetifolia (Whistling Pine)</i></td></tr></table>	<i>Plant Species in Mines</i>	<i>Plant Species in Cement plant</i>	<i>Pongamia Pinnata (Karanj)</i>	<i>MimusopsElengi (Bakul/Molshree)</i>	<i>Alstonia Scholaris (Devil Tree)</i>	<i>SaracaAsoca (Ashok)</i>	<i>FicusReligiosa (Pipal)</i>	<i>MangiferaIndica (Mango)</i>	<i>DelonixRegia (Gulmohar)</i>	<i>PsidiumGuajava (Guava)</i>	<i>AzadirachtaIndica (Neem)</i>	<i>Citrus Limon (Lemon)</i>	<i>Bougainvillea</i>	<i>HyophorbeLagenicaulis (Bottle Palm)</i>	<i>FicusBenghalensis(Banyan Tree)</i>	<i>Michelia (Champa)</i>	<i>Dalbergia sissoo (Shisham)</i>	<i>SyzygiumCumini (Jamun)</i>	<i>Siamese cassia</i>	<i>Casuarina Equisetifolia (Whistling Pine)</i>
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Sl. No.	Conditions	Compliance Status														
XXI	<i>All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.</i>	<div>CREP guidelines are strictly followed. The last compliance report is given below</div> <table><tr><th>Action Plan</th><th>Compliance status</th></tr><tr><td>1 Cement Plant, which are not complying with notified standards shall do the following to meet the standards<ul style="list-style-type: none"><li>• Augmentation of existing Air Pollution Control Devices : by July 2003</li><li>• Replacement of existing Air Pollution Control devices : by July 2003</li></ul></td><td>Industry is Complied with the notified standards.</td></tr><tr><td>2 Cement plants located in the critically polluted or urban areas (including 5 Km distance outside urban boundary) will meet 100 Mg/Nm3 limit of particulate matter by December 2004 and continue working to reduce the emission of the particulate to 50 mg/Nm3</td><td>Complied with. We are achieving the PM emission norms within 30 mg/Nm3.</td></tr><tr><td>3 The new cement kilns to be accorded NOC/ Environmental Clearance w.e.f 01.04.2003 will meet the limit of 50mg/Nm3 for particulate matter emissions</td><td>Complied with. We are achieving the PM emission norms within 30 mg/Nm3 as per the new emission standards notified by 09.05.2014.</td></tr><tr><td>4 CPCB will evolve load based standards by December 2003</td><td>Not applicable.</td></tr><tr><td>5 CPCB &amp; NCBM will evolve SO2 &amp; NOx emission standards by June 2004</td><td>Not applicable.</td></tr><tr><td>6 The cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from</td><td>Complied All due care has been taken to control fugitive dust emission 114 Bag Filters installed at all Material transfer points, Water spraying</td></tr></table>	Action Plan	Compliance status	1 Cement Plant, which are not complying with notified standards shall do the following to meet the standards <ul style="list-style-type: none"><li>• Augmentation of existing Air Pollution Control Devices : by July 2003</li><li>• Replacement of existing Air Pollution Control devices : by July 2003</li></ul>	Industry is Complied with the notified standards.	2 Cement plants located in the critically polluted or urban areas (including 5 Km distance outside urban boundary) will meet 100 Mg/Nm3 limit of particulate matter by December 2004 and continue working to reduce the emission of the particulate to 50 mg/Nm3	Complied with. We are achieving the PM emission norms within 30 mg/Nm3.	3 The new cement kilns to be accorded NOC/ Environmental Clearance w.e.f 01.04.2003 will meet the limit of 50mg/Nm3 for particulate matter emissions	Complied with. We are achieving the PM emission norms within 30 mg/Nm3 as per the new emission standards notified by 09.05.2014.	4 CPCB will evolve load based standards by December 2003	Not applicable.	5 CPCB & NCBM will evolve SO2 & NOx emission standards by June 2004	Not applicable.	6 The cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from	Complied All due care has been taken to control fugitive dust emission 114 Bag Filters installed at all Material transfer points, Water spraying
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			limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months	regularly done on crusher hopper & subsequent belt conveyor, haul roads. Covered shed has been constructed for storage of coal & other raw materials. Fly ash cement and clinker are stored in silos	
			7 CPCB , NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003	We are using pet coke moreover we are using alternative fuels like hazardous/non-hazardous waste to replace the fossil fuels.	
			8 After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003.	Industry has installed continuous monitoring systems (CEMS) for stack emission in all process stack as well as ambient air quality (CAAQMS). These equipments have been connected with CPCB & MPPCB servers.	
			9 Trippings in kiln ESP to be minimized by July 2003 as per the recommendation of NTF	Having bag house in Kiln/Raw mill section therefore no such problem appears.	
			10 Utilisation of waste materials like fly ash/ blast furnace slag	We are not having thermal power plant hence there is no generation of fly ash. However we are procuring the fly ash from the neighboring thermal power plants & utilizing it for making PPC. Around 22% to 30% of fly ash is used in making PPC.	
			11 Inventorization of hazardous waste & efforts to decrease the	Generation of hazardous waste has been	

			generation of it & utilization of high calorific waste in cement Kiln.	substantially decreased. We have started taking electricity from MPSEB. By doing this generation of approx. 25 KL /month of waste oil has been decreased. Report of Hazardous waste generation is maintained and Details of disposal are being sent to MPPCB in prescribed format of Form 4 & 13..	
			12 Cement industries will carry out feasibility study & submit target dates to CPCB for Co-generation of power by July 2003.	The Waste Heat Recovery System(WHRS) of 22.50 MW capacity was commissioned on 17.07.2020.	
XXII	<i>Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.</i>	<p>Vehicular emission is kept under control.</p> <p>A centralized diesel workshop has been established. Regular maintenance of all vehicles is done as per manufacturer's maintenance schedule i.e. changing of timely diesel filters, calibration of Fuel pump, overhauling of engines etc.</p> <p>No vehicle without valid PUC is allowed inside the plant and mines area.</p> <p>The vehicles engaged in transportation of minerals outside the core zone are provided with tarpaulin and no overloading is allowed.</p>			
XXIII	<i>Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhopal</i>	<p>The Digital processing is being carried out once in every three years. Digital processing report of entire lease area using remote sensing technique is being done and copy of same has been submitted to MoEF&amp;CC and its Regional office.</p> <p>Copy is enclosed as <b>Annexure 16</b>.</p>			

Sl. No.	Conditions	Compliance Status
XXIV	<i>A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment &amp; Forests 5 years in advance of final mine closure, for approval.</i>	<p>The details of the Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment &amp; Forests as desired.</p> <p>Rule No 24(1) of MCDR 2017, which deals with final mine closure plan, mandates the Lessee to get the final mine closure plan approved from Indian Bureau of Mines 2 years in advance of the final mine closure. We as PP will adhere to the requirement of the said Rule.</p>
XXV	<i>The company shall comply with all the commitments made during public hearing on 22<sup>nd</sup> May, 2008</i>	<p>Adhering to the given condition we will strictly comply with all the commitments made during public hearing on 22<sup>nd</sup> May, 2008. The public hearing comments along with the compliance status is being enclosed as <b>Annexure-17</b></p> <p>The Company is fully committed in implementing all the commitments. Playgrounds are being developed in all nearby villages. Toilets roads etc. are being constructed. Significant work has been carried out in health care infrastructure development Education, vocational training, etc. few photographs in respect of the compliances undertaken are being attached.</p> <div data-bbox="714 730 2007 1214">  </div>





Development of playground at Mankahari



Construction of playground boundary wall at Mankahari



Playground at SijahataHr Sec School



Roadside Plantation with tree guard in nearbu villages



Garland Drain



Settling Pond



Construction of toilets

B. General Condition:																				
Sl. No.	Conditions	Compliance Status																		
i.	<p><i>The project authority shall adhere to the stipulations made by State Pollution Control Board (SPCB) and State Government.</i></p>	<p>Cement plant and all the mining operation are carried out with valid consent under air and water act issued by SPCB. We adhere to all the stipulations and guidelines mentioned in the CTOs granted by the MPPCB. The copy of renewed consents are enclosed as <b>Annexure-18</b></p> <p><b>AIR QUALITY MANAGEMENT:</b></p> <p>✓ Bag house/Bag filters, ESP have been installed in the plant to arrest the dust emissions. Following are the details of APCE installed with its respective units</p> <table border="1"> <thead> <tr> <th>Sr No</th><th>Location</th><th>Name of APCE</th></tr> </thead> <tbody> <tr> <td>1</td><td>Raw Mill / Kiln</td><td>RABH</td></tr> <tr> <td>2</td><td>Coal Mill</td><td>Bag House</td></tr> <tr> <td>3</td><td>Cement Mill 1</td><td>Bag House</td></tr> <tr> <td>4</td><td>Cement Mill 2</td><td>Bag House</td></tr> <tr> <td>5</td><td>Clinker Cooler</td><td>ESP</td></tr> </tbody> </table> <p>✓ To control the dust emissions 114 numbers of bag filters associated with the transfer points have been provided in the plant.</p> <p>✓ Dry fly ash is pneumatically unloaded in completely closed manner and stored into fly ash silo from closed bulkers containing fly ash</p> <p>✓ Material transportation is also done in completely closed manner.</p> <p>✓ All the internal roads are paved to control the fugitive dust generation due to vehicular movement</p> <p>✓ Material transportation is done in completely closed manner. Belt conveyors are covered to mitigate the fugitive dust generation.</p> <p>✓ Coal and other raw materials are stored in covered sheds</p> <p>✓ Water sprinkling is done at crusher dump hopper and belt conveyor from crusher to stacker</p> <p>✓ All the transfer points are connected with bag filters.</p> <p>✓ Water sprinkling is being done on haul roads in mines area through dedicated water tankers.</p> <p>✓ Wet drilling is practiced to control fugitive dust emission</p> <p>✓ Preparing face with dozer before blasting</p> <p>✓ Steaming is done by coarse material to avoid fine dust emission</p> <p>✓ Hole to hole delayed blasting is adopted</p> <p>✓ Water spray is done while loading of limestone on dumpers and also water sprinkling is done at crusher dump hopper</p> <p>✓ Optimum loading of vehicles used in transportation of limestone from quarry to crusher</p> <p>✓ Water sprinkling on haul road</p> <p>✓ Vehicles having valid PUC certificate are only allowed to ply inside mines premises</p>	Sr No	Location	Name of APCE	1	Raw Mill / Kiln	RABH	2	Coal Mill	Bag House	3	Cement Mill 1	Bag House	4	Cement Mill 2	Bag House	5	Clinker Cooler	ESP
Sr No	Location	Name of APCE																		
1	Raw Mill / Kiln	RABH																		
2	Coal Mill	Bag House																		
3	Cement Mill 1	Bag House																		
4	Cement Mill 2	Bag House																		
5	Clinker Cooler	ESP																		

		<ul style="list-style-type: none"> <li>✓ Water spray system has been installed at crusher dump hopper</li> <li>✓ Bag filters of 50000 M3 capacity have been installed at both the crushers</li> <li>✓ Dense canopy plantation is in practice</li> <li>✓ Around 16,655 saplings have been commonly planted during 2024-25 (till September) in all the mining leases of the company</li> </ul> <p><b>NOISE &amp; GROUND VIBRATION MANAGEMENT:</b></p> <ul style="list-style-type: none"> <li>✓ Regular maintenance and lubrication of machineries</li> <li>✓ Personnel engaged in heavy noise area are equipped with all required PPEs</li> <li>✓ Ambient noise level is regularly monitored</li> </ul> <p><b>WATER MANAGEMENT:</b></p> <ul style="list-style-type: none"> <li>✓ waterreservoir of capacity 13 Lac M<sup>3</sup> has been made in mines area. Rain water collected into other abandoned mines pit and working mines is pumped into main water reservoir. This reservoir serves as main recharge source for the area.</li> <li>✓ Rain water is channelized to a Settling Tank to eliminate silting of water body</li> <li>✓ Surface water quality in mines area is monitored and the report is submitted regularly</li> <li>✓ Ground water level and quality of plant and mines area are monitored and the report is submitted regularly</li> <li>✓ Rain water accumulated in mine pits is used for plant operation, to reduce the ground water consumption</li> <li>✓ No process waste is generated from plant and mines. For treatment of domestic waste water of colony a Sewage treatment plant of 600 KLD capacity is established. Treated waste water of STP is utilized for gardening purpose</li> <li>✓ Contaminated water generated due to washing of equipment is passed though grease and oil trap tank having separation chambers and pumping arrangement. For separation of oil and grease particles from water, prime mover has been provided. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors.</li> </ul> <p><b>SOLID WASTE MANAGEMENT:</b></p> <ul style="list-style-type: none"> <li>✓ Soil and waste rock generated from mines is stacked separately at earmarked sites and used for back filling and rehabilitation of back filled area.</li> <li>✓ Biomass generated from dressing of lawns and trimming of plants inside plant and mines is burnt in kiln after its is dried</li> <li>✓ Plastic waste (as wrapping material, discarded tarpaulin etc and collected from municipal area) having high calorific values is also burnt in kiln</li> <li>✓ Solid waste generated in plant is collected at designated locations and disposed of scientifically.</li> </ul> <p><b>GREEN BELT DEVELOPMENT</b></p> <ul style="list-style-type: none"> <li>✓ As on date the plant and colony premises have been vegetated with the 1,69,588 Nos of plantation of local varieties covering 105.15acre area which is the more than 33% of the total area. Total 25.33 acre area has been developed as green lawn and 79.82acre area has been covered with variety of tree plantation of local varieties.</li> <li>✓ Approximately 120 Ha of mining lease areas have been reclaimed, which have been afforested with 3,84,068nos. of trees of different local species. Extensive plantation outside lease area has also been carried out. As CSR activity we have planted 1,47,588 saplings along roads and other places &amp; distributed 1,56,652 Nos of sapplings.</li> </ul> <p>The cumulative plantation as on date is 8,57,896 saplings.</p>
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Sl. No.	Conditions	Compliance Status												
ii.	<i>No further expansion or modification of the plant shall be carried out without prior approval of this Ministry</i>	Agreed.  Total production of cement and limestone is well within the stipulated annual limits stipulated by MOEFCC. further expansion or modification will be carried only after obtaining the permission from Ministry.												
iii.	<i>At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of SPM, SO2 and NOx are anticipated in consultation with the SPCB.</i>	We have established 05 nos. of AAQ monitoring stations in and around the plant and mines as mentioned in condition number 03 under specific condition for monitoring of ambient air quality of the area. Ambient air quality and stack emission is regularly monitored and reports are submitted to the MoEF / SPCB and CPCB. Ambient air Quality reports are enclosed as <b>Annexure-4</b> Stack emission reports are enclosed as <b>Annexure-1</b> .												
		Summary of AAQ (Apr'24 to Sep'24)												
		Month	Particular	PM 10	PM2.5	SO2	NOX	CO	PM 10	PM2.5	SO2	NOX	CO	
				µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	µg/M3	
				SW (BP No. 18)					Near Western side ML boundary (Pillar No. 14) of ML area					
		6 monthly average	Min	47.55	29.46	12.96	17.86	BDL	48.67	27.98	9.92	13.87	BDL	
			Max	60.05	36.05	14.21	21.05	BDL	62.02	35.05	14.83	18.49	BDL	
			Average	52.90	32.79	13.63	19.64	BDL	53.88	30.88	11.77	15.42	BDL	
			Particular	Near Mankahari Village					Near Hinouti Village					
			Min	49.83	29.19	10.12	14.56	BDL	50.27	28.59	11.04	16.98	BDL	
			Max	62.05	33.56	13.05	17.05	BDL	62.04	33.20	13.25	20.05	BDL	
			Average	53.72	31.74	11.258	15.55	BDL	54.48	31.38	12.22	18.03	BDL	

Sl. No.	Conditions	Compliance Status					
	<i>Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB /CPCB once in six months.</i>	The AAQ and stack emissions are submitted to the authorities regularly. The details are given below:					
Stack Emission Data Apr'24 - Sep'24							
Source of Emission		Raw Mill Emission	Cooler Stack Emission	Coal Mill Emission	Cement Mill (I) Emission	Cement Mill (II) Emission	Emission Standards for Cement Plant as per the Notification From Ministry Of Environment, Forest And Climate Change dtd. 10th May, 2016
Stack Attached to		Kiln/Raw Mill Unit-2	Cooler Unit-2	Coal Mill Unit-2	Cement Mill-1(Unit-2)	Cement Mill-2(Unit-2)	
Stack Height (m)		100	65	50	49	49	
Stack Top		Circular	Circular	Circular	Circular	Circular	
Inside Diameter of Stack (m) (at sampling point)		4.75	4.5	4.5	1	1	
Cross Sectional Area of Stack (m2)		17.71	15.89	15.89	0.96	0.785	
APCD if any		Bag House	ESP	Bag house	Bag House	Bag House	
Particulate Matter (PM)in mg/Nm3	Min	15.15	10.72	9.7	8.36	5.18	30
	Max	17.66	20.9	13.378	13.81	18.77	
	Average	15.15	16.3	11.87	12.16	12.8	
Sulphur Di Oxide (SO2) in mg/Nm3	Min	128.62	–	–	–	–	700
	Max	413.67	–	–	–	–	
	Average	223.92	–	–	–	–	
Nitrogen Oxides (NOX) in mg/Nm3	Min	185.62	–	–	–	–	800
	Max	564.17	–	–	–	–	

	Average	281.42	–	–	–	–	
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Sl. No.	Conditions	Compliance Status
iv.	<i>Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.</i>	<p>No industrial wastewater is generated as the cement plant is operated on dry process.</p> <p>For domestic wastewater, there is a sewage treatment plant of the state-of-art technology. It has the capacity to treat domestic wastewater of 600 KLD.</p> <p>Contaminated water generated due to washing of equipment is passed through grease and oil trap tank having separation chambers and pumping arrangement. A state of the art ceramic membrane based automated Oil &amp; Grease trapping unit with 5KLD capacity is installed for separation of oil and grease particles from water, prime mover has been provided. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors.</p> <p>The strained out water left in the tank is stored in tanks, and is re-used for washing of HEMM.</p> <p>Detailed Report of treated effluent by NABL &amp; MOEF accredited lab is attached. The analysis is done by M/s Vibrant Techno Lab Pvt. Ltd having NABL certificate no TC-11227 Dtd 20/12/2022 valid upto 19/12/2024 and CPCB recognition Dtd. 28/03/2023.</p> <p>STP treated water analysis report is enclosed as <b>Annexure 8 (b)</b>.</p> <p>Mines workshop treated water Analysis Report is enclosed as <b>Annexure 19</b>.</p> <div data-bbox="981 896 1648 1295" data-label="Image"> </div> <p style="text-align: center;"><b>Ceramic Membrane based Automated Oil &amp; Grease Trapping Unit</b></p>
v.	<i>The overall noise levels in and around the plant area</i>	<p>The overall noise level is within threshold limit of 85dBA.</p> <p>To arrest the noise levels all equipment equipped with acoustic hoods, silencer, enclosures etc. besides those operators have</p>



	<i>shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.</i>	<p>been provided with PPE.</p> <p>Three tier green belt is developed along the plant and mining area to minimize the noise pollution.</p>
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		Decibel Meter		
	<i>The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules,1989 viz: 75 dBA (day time) and 70 dBA (night time).</i>	<p>Ambient Noise levels are maintained well within the prescribed norms under Environmental (Protection) Act, 1986 Rules, 1989. Detailed report is given in <b>Annexure- 05</b></p> <p>The analysis is done by M/s Vibrant Techno Lab Pvt. Ltd having NABL certificate no TC-11227 Dtd 20/12/2022 valid upto 19/12/2024 and CPCB recognition Dtd. 28/03/2023. The copies of the certificates are enclosed as <b>Annexure No.2.</b></p> <p>The summary of ambient noise levels are given below:</p>		
AMBIENT NOISE LEVELS MONITORED				
PRISM JOHNSON LTD				
Noise (Ambient Standard)			Test Report of Ambient Level of Cement Plant	
Category Area	Day Time	Night Time	Location	<div>Day Time Leq Value in dB(A)</div> <div>Night Time Leq Value in dB(A)</div>



				<b>Min</b>	<b>Max</b>	<b>Average</b>	<b>Min</b>	<b>Max</b>	<b>Average</b>
Industrial Area	75	70	Near Stacker	55.22	58.05	56.98	50.1	52.77	51.26
Commercial Area	65	55	Near Guest house	52.32	55.92	54.60	48.12	50.65	49.32
Residential Area	55	45	Near Steel Yard	52.5	55.7	53.37	47.05	49.8	48.27
Silence Zone	50	40	Near Admin Building	51.82	57.17	55.57	47.82	52.07	50.39
Noise (Ambient Standard)			<b>Test Report of Ambient Level of all Mines</b>						
Category Area	Day Time	Night Time	Location	<b>Day Time Leq Value in dB(A)</b>			<b>Night Time Leq Value in dB(A)</b>		
				<b>Min</b>	<b>Max</b>	<b>Average</b>	<b>Min</b>	<b>Max</b>	<b>Average</b>
Industrial Area	75	70	Village Chulhi	52.00	54.50	53.25	44.80	49.80	47.48
Commercial Area	65	55	Village Majhiyar	49.90	56.20	53.18	46.20	50.10	47.90
Residential Area	55	45	Village Malgaon	50.60	54.00	52.28	45.00	49.20	47.23
Silence Zone	50	40	Village Hinauti	55.90	59.00	57.23	46.90	51.00	49.80
			Hinauti village	51.90	59.00	55.42	46.20	51.20	49.22
			Bandarkha mines	52.00	60.40	56.10	45.00	52.90	49.53
			Chulhi village	50.60	56.20	52.95	44.80	49.30	47.05
			Kulhari village	49.60	55.90	51.98	44.10	47.60	46.02
			SW (BP No. 18)	52.77	57.35	55.13	47.75	51.10	49.67
			Near Western side ML boundary (Pillar No. 14) of ML area	50.50	52.02	51.45	46.05	48.27	46.92
			Mankahari Village	46.35	51.90	49.60	41.70	47.52	45.57
			Hinauti village	48.67	53.40	51.89	44.52	49.10	47.07
			Nr. Nar Nala Bridge	50.42	53.00	51.38	45.72	47.85	46.95
			Nr. Medhi mines boundary pillar No 28	49.27	54.35	51.60	45.20	48.50	46.69
			Nr. Medhi mines boundary pillar No 23	49.67	55.27	52.09	45.45	48.45	46.67
			Village Malgaon	51.00	53.15	52.25	46.12	47.97	47.24

Sl. No.	Conditions	Compliance Status
v.	<p><i>Proper housekeeping and adequate occupational health programs shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records for at least 30-40 years. The programme shall include lung function and sputum analysis maintained properly tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.</i></p>	<p>We have already conducted various health surveillance programs whose records are maintained properly. This programme includes lung function and sputum analysis tests. Also sufficient preventive measures are adopted during the plant and mining operation to avoid direct exposure to dust etc.</p> <p>Occupational Health Survey (OHS)</p> <p>a) Periodical Medical Examinations are conducted of each employee by outside specialists once in every 5 years. Under this scheme each employee undergoes Pathological tests, blood group test, chest X-Rays, Audiometry tests, eye test etc. once every 5 years. Proper records of such tests are maintained. Not a single case of any occupational disease has so far been detected in our mines/plant. - Sample medical examination note is displayed.</p> <p><b>Note:</b> Due to Covid-19 Pandemic restrictions we are not able to organize or conduct the periodical medical examinations for the FY 20-21.</p> <p><b>b) Welfare Amenities:</b></p> <p>A well-equipped Dispensary has been provided with Provision of Ambulance, Pathological Laboratory&amp; X-Ray, and Audiometry etc. Drinking water facility with Molded water pots and two drinking water, water coolers for Summer season have been provided. Aqua guards - online purifiers have been fitted in drinking water supply system.</p> <p>The facility is totally free to all employees and their family members.</p> <p>OHC reports are enclosed as <b>Annexure 20.</b></p>

Sl. No.	Conditions	Compliance Status
vi.	<i>The company shall undertake eco-development measures including community welfare measures in the project area.</i>	The CSR programme is common for PCL. Various programs per training to eco-development and community welfare has been taken up by the company. Various social, educational, healthcare and environment initiative shave been taken by the company. Details of CSR Activities of year 2024-25 is enclosed as <b>Annexure-21</b>
		<p><b>Renovation Work of School and Anganvadi</b></p>  <p>Renovation of Anganvadi at Bagahai Village</p>  <p>Renovation of Hr. Sec. School at Sijahata</p>

**Organization of Medical Camp**



Cataract Operation



Mega Medical Camp



Pickle & Papad Making Training



Sanitation Awareness Meet



Farmers Meet



Vasantosav Celebration at Ramvan

		 <p>Uniform Distribution at School</p>  <p>Road side Plantation with Tree Guard</p>  <p>Road side Plantation with Tree Guard</p>
		<p>➤ <b>MAJOR AWARDS WONBY PRISM CEMENT PLANT</b></p> <p>➤ Achieved First Award for Energy Conservation for Two Successive Years 2006 &amp;2007 and Second for year 2008 at National Level, awarded by Govt. Of India, Ministry of Power &amp;presided by President of India</p> <p>➤ Achieved National Safety Award for outstanding performance in industrial safety as runner-up during the performance year 2006. Subsequently achieved two numbers of runner up award for the year 2007</p> <p>➤ Achieved Third Place at National Level Green Rating Ranking conducted by CSE, New Delhi for the Year 2005. First Place in M.P. &amp;Chhattisgarh.</p> <p>➤ Achieved State Level Environmental Award for the Year 2004-05 given by Govt. of Madhya Pradesh, Ministry of</p>

		<p>Environment &amp; Housing, on 23.02.2008</p> <ul style="list-style-type: none"> <li>➤ Achieved State Level Environmental Award for the Year 2008-09 given by Govt. of Madhya Pradesh, Ministry of Environment &amp; Housing, on 10.01.2011.</li> <li>➤ Achieved Second Prize in National Energy Conservation Award 2015.</li> <li>➤ Fly Ash Utilization 2018.</li> <li>➤ Fly Ash Utilization 2019.</li> <li>➤ Greentech Environment excellence award 2019.</li> <li>➤ Golden Peacock Environment Management 2019.</li> <li>➤ Fly Ash Utilization 2020.</li> <li>➤ Apex India Green Leaf Award (Environment Excellence) 2020.</li> <li>➤ Greentech Environment excellence award 2020.</li> <li>➤ Golden Peacock Environment Management 2020.</li> <li>➤ CII National Award (Water Management) 2020.</li> <li>➤ Apex India Green Leaf Award (Environment Excellence) 2021.</li> <li>➤ Golden Peacock Environment Management 2021.</li> <li>➤ Declared Winner in 22nd Greentech Environment Award 2022 for categories of Environment Protection and Greenbelt Development.</li> <li>➤ Greentech Environment excellence award 2022.</li> <li>➤ Apex India Green Leaf Award (Environment Excellence) 2022.</li> <li>➤ CII National Award (Excellence in Water Management-beyond the fence) 2023.</li> <li>➤ Greentech Environment excellence award 2023.</li> <li>➤ Global Safety Environment award 2023.</li> <li>➤ Apex India Green Leaf Award (Green belt Development) 2023.</li> </ul>
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**Apex India Greenleaf Award for Environment Excellence & Green Belt Development**



**CII National Award (Excellence in Water Management)**





**Greentech Environment Excellence Award for outstanding achievement in Environment Protection 2023.**



**Global Safety Summit Environment Award 2023**



**Greentech Environment Excellence Award 2022**



**Greentech Environment Excellence Award for outstanding achievement in Environment Protection 2020**



**CII National Award for Excellence in Water Management 2021**



**Golden Peacock Environment Management 2020**



**Golden Peacock Environment Management 2021**



**Apex India Greenleaf Award for Environment Excellence 2020**



**Awards cemWHR 2021**



**Water Optimisation 2021 Awards**

**Prizes won by PCL Mines**

- 1<sup>st</sup> Prize for Reclamation and Rehabilitation
- 2<sup>nd</sup> Prize for A forestation
- 3<sup>rd</sup> Prize for Sustainable Development
- Five Star Mines (Baghai Limestone Mines)
- Special Commendation for Golden Peacock Environment Management 2019
- 19<sup>th</sup> Annual Greentech Environment Award 2019



		➤ Greentech 7 <sup>th</sup> CSR India Award 2020
		
		 <p>Five Star Award for sustainable development in mines</p>
		

				
			<p>Mines Environment &amp; Mineral Conservation Week MEMCW Award</p>	
				
				
			<p>Mines Safety Award</p>	



Special Commendation for Golden Peacock Environment Management 2019



19th Annual Greentech Environment Award 2019



Greentech 7<sup>th</sup> CSR India Award 2020

Sl. No.	Conditions	Compliance Status																		
vii.	<i>The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the ELA/ EMP.</i>	<p>We are strictly adhering with the environment protection measures as stipulated in approved EMP of mines e.g. Summarized measures of EMP are mentioned below:-</p> <p style="text-align: center;"><b>Check List of EMP compliance</b></p> <p><b>AIR QUALITY MANAGEMENT:</b></p> <p>✓ Bag house/Bag filters, ESP have been installed in the plant to arrest the dust emissions.</p> <p>Following are the details of APCE installed with its respective units</p> <table border="1"> <thead> <tr> <th>Sr No</th><th>Location</th><th>Name of APCE</th></tr> </thead> <tbody> <tr> <td>1</td><td>Raw Mill / Kiln</td><td>RABH</td></tr> <tr> <td>2</td><td>Coal Mill</td><td>Bag House</td></tr> <tr> <td>3</td><td>Cement Mill 1</td><td>Bag House</td></tr> <tr> <td>4</td><td>Cement Mill 2</td><td>Bag House</td></tr> <tr> <td>5</td><td>Clinker Cooler</td><td>ESP</td></tr> </tbody> </table> <p>✓ To control the dust emissions 114 numbers of bag filters associated with the transfer points have been provided in the plant.</p> <p>✓ Dry fly ash is pneumatically unloaded in completely closed manner and stored into fly ash silo from closed bulkers containing fly ash</p> <p>✓ Material transportation is also done in completely closed manner.</p> <p>✓ All the internal roads are paved to control the fugitive dust generation due to vehicular movement</p> <p>✓ Material transportation is done in completely closed manner. Belt conveyors are covered to mitigate the fugitive dust generation.</p> <p>✓ Coal and other raw materials are stored in covered sheds</p> <p>✓ Water sprinkling is done at crusher dump hopper and belt conveyor from crusher to stacker</p> <p>✓ All the transfer points are connected with bag filters.</p> <p>✓ Water sprinkling is being done on haul roads in mines area through dedicated water tankers.</p> <p>✓ Wet drilling is practiced to control fugitive dust emission</p> <p>✓ Preparing face with dozer before blasting</p> <p>✓ Steaming is done by coarse material to avoid fine dust emission</p> <p>✓ Hole to hole delayed blasting is adopted</p> <p>✓ Water spray is done while loading of limestone on dumpers and also water sprinkling is done at crusher dump hopper</p> <p>✓ Optimum loading of vehicles used in transportation of limestone from quarry to crusher</p> <p>✓ Water sprinkling on haul road</p> <p>✓ Vehicles having valid PUC certificate are only allowed to ply inside mines premises</p> <p>✓ Water spray system has been installed at crusher dump hopper</p> <p>✓ Bag filters of 50000 M3 capacity have been installed at both the crushers</p>	Sr No	Location	Name of APCE	1	Raw Mill / Kiln	RABH	2	Coal Mill	Bag House	3	Cement Mill 1	Bag House	4	Cement Mill 2	Bag House	5	Clinker Cooler	ESP
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		<table> <tr> <th>Sr.No.</th><th>Condition</th><th>Status</th></tr> <tr> <td>1</td><td colspan="2"><b>AIR QUALITY MANAGEMENT:</b> Fully implemented/complied.</td></tr> <tr> <td>a</td><td>Prevention and Control of Air Pollution</td><td> <ul style="list-style-type: none"> <li>✓ Bag house/Bag filters, ESP have been installed in the plant to arrest the dust emissions.</li> </ul> <p>Following are the details of APCE installed with its respective units</p> </td></tr> </table>	Sr.No.	Condition	Status	1	<b>AIR QUALITY MANAGEMENT:</b> Fully implemented/complied.		a	Prevention and Control of Air Pollution	<ul style="list-style-type: none"> <li>✓ Bag house/Bag filters, ESP have been installed in the plant to arrest the dust emissions.</li> </ul> <p>Following are the details of APCE installed with its respective units</p>
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		d	During blasting operation	<ul style="list-style-type: none"><li>✓ Preparing face with dozer before blasting</li><li>✓ Steaming is done by coarse material to avoid fine dust emission</li></ul> <p>Hole to hole delayed blasting is adopted</p>																		
		e	During loading/unloading operation	Water spray is done while loading of limestone on dumpers and also water sprinkling is done at crusher dump hopper																		
		f	During Transport operation	<ul style="list-style-type: none"><li>✓ Optimum loading of vehicles used in transportation of limestone from quarry to crusher</li><li>✓ Water sprinkling on haul road</li></ul> <p>Vehicles having valid PUC certificate are only allowed to ply inside mines premises</p>																		
		g	During crushing operation	<ul style="list-style-type: none"><li>✓ Water spray system has been installed at crusher dump hopper</li></ul> <p>Bag filters of 50000 M3 capacity have been installed at both the crushers</p>																		
		h	Plantation	<ul style="list-style-type: none"><li>✓ Dense canopy plantation is in practice</li></ul> <p>Around 16,655 saplings have been commonly planted during 2024-25 (till September) in all the mining leases of the company</p>																		

		i	Monitoring of air pollution	<p>Three Nos of CAAQMS stations have been established 2 inside cement plant premises and 3 in mines area. 1 Nos of CAAQMS haven ordered and site is ready for installation. balance is proposed in in next financial year and site and infrastructure(Power Supply) is being taken currently..</p> <p>✓ Ambient air quality monitoring is done and the report is being submitted to MP Pollution Control Board on monthly basis</p> <p>Ambient Air Quality monitoring is also being done by a MoEF approved laboratory on half yearly basis.</p>
		j	Prevention and Control of Gaseous Pollution	<p>✓ Emission of SO<sub>2</sub> and NO<sub>x</sub> are maintained as per revised standards of MoEF by operational controls</p> <p>✓ Some other modifications are proposed to control NO<sub>x</sub> emission like provisions of meal curtain in calciner of cement plant unit II</p> <p>Vehicles having valid PUC certificates are only allowed to ply inside plant and mines area</p>
		2	<b>NOISE &amp; GROUND VIBRATION MANAGEMENT:</b> Fully implemented/complied.	
		a	Noise Abatement and Control	<p>✓ Regular maintenance and lubrication of machineries</p> <p>✓ Personnel engaged in heavy noise area are equipped with all required PPEs</p> <p>Ambient noise level is regularly monitored</p>
		b	Vibration Abatement	<p>✓ Controlled blasting is carried out as per recommendation IIT ISM Dhanbad.</p> <p>Each blast is monitored for vibrations with Minmate and Nomiss seismographs</p>
		3	<b>WATER MANAGEMENT:</b> Fully implemented/complied.	
		a	Surface Water Management	<p>✓ water reservoir of capacity 13 Lac M<sup>3</sup> has been made in mines area. Rain water collected into other abandoned mines pit and working mines is pumped into main water reservoir. This reservoir serves as main recharge source for the area.</p> <p>✓ Rain water is channelized to a Settling Tank to eliminate silting of water body</p> <p>Surface water quality in mines area is monitored and the report is submitted regularly</p>
		b	Ground Water Management	<p>✓ Ground water level and quality of plant and mines area are monitored and the report is submitted regularly</p> <p>Rain water accumulated in mine pits is used for plant operation, to reduce the ground water consumption</p>
		c	Waste Water Management	<p>✓ No process waste is generated from plant and mines. For treatment of domestic waste water of colony a Sewage treatment plant of 600 KLD capacity is established. Treated waste water of STP is utilized for gardening purpose</p> <p>Contaminated water generated due to washing of equipment is passed though grease and oil trap tank having separation chambers and pumping arrangement. For separation of oil and grease particles from water, prime mover has been provided. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors.</p>
		d	Water Conservation Measures	<p>✓ Optimum water is utilized in plant operation</p> <p>✓ Installation of dripirrigation system</p> <p>✓ Reduction of ground water consumption by using rain water accumulated in mines reservoir for dust suppression</p>

				<p>and green belt development</p> <ul style="list-style-type: none"> <li>✓ Rain water harvesting in abandoned mine pits, rooftop rainwater and ground runoff water harvesting</li> <li>✓ Float valves are provided with the syntax tanks to control water overflow</li> </ul>
		e	Optimum Utilization of Ground Water	<ul style="list-style-type: none"> <li>✓ Ground water is mainly utilized for domestic purpose. To optimize ground water consumption, rainwater accumulated in mine pits is used for plant operation &amp; dust suppression.</li> <li>✓ Preferably recycled water is used for gardening and horticulture purpose</li> <li>✓ Float valves are provided with the syntax tanks to avoid overflow of water</li> </ul>
		f	Rain water harvesting	<ul style="list-style-type: none"> <li>✓ Rain water harvesting measures have been implemented in plant premises as well in Mines and nearby villages. Details of water harvesting measures are mentioned below:</li> <li>✓ 1. Water harvesting pond of capacity 13 Lac m3 has been constructed in Mines area.</li> <li>✓ 2. There are 12 Nos of Roof top rain water harvesting structures in plant premises These are: <ul style="list-style-type: none"> <li>1 MRSS building</li> <li>2 Project Office building</li> <li>3 School Building.</li> <li>4 Cement Mill Unit II Load Center</li> <li>5 Cooler load Center of Unit I</li> <li>6 Cooler load Center of Unit II</li> <li>7 Store building.</li> <li>8 New security barrack</li> <li>9 Duratech shed</li> <li>10 Packing plant Unit-1</li> <li>11 Packing plant Unit-2</li> <li>12 Mines workshop</li> </ul> </li> <li>✓ 3. Recharge Bore Hole for Recharging the Ground Water - 22 Nos</li> <li>✓ 4. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system.</li> <li>✓ 5. Construction of water reservoir at Baghai village for water conservation.</li> </ul>
		4	<b>SOLID WASTE MANAGEMENT</b>	<ul style="list-style-type: none"> <li>✓ Soil and waste rock generated from mines is stacked separately at earmarked sites and used for back filling and rehabilitation of back filled area.</li> <li>✓ Biomass generated from dressing of lawns and trimming of plants inside plant and mines is burnt in kiln after its is dried</li> <li>✓ Plastic waste (as wrapping material, discarded tarpaulin etc and collected from municipal area) having high calorific</li> </ul>

				<p>values is also burnt in kiln</p> <p>Solid waste generated in plant is collected at designated locations and disposed of scientifically.</p>
		5	<b>LAND RECLAMATION</b>	<p>✓ Mining and land reclamation is an ongoing process in mines.</p> <p>Soil and waste rock generated from mines is stacked separately at earmarked sites and used for back filling and rehabilitation of back filled area.</p>
		6	<b>GREEN BELT DEVELOPMENT</b>	<p>Fully implemented/complied.</p>
		a	Plantation Programme	<p>✓ As on date the plant and colony premises have been vegetated with the 1,69,588 Nos of plantation of local varieties covering 105.15acre area which is the more than 33% of the total area. Total 25.33 acre area has been developed as green lawn and 79.82acre area has been covered with variety of tree plantation of local varieties.</p> <p>✓ Approximately 120 Ha of mining lease areas have been reclaimed, which have been afforested with 3,84,068nos. of trees of different local species. Extensive plantation outside lease area has also been carried out. As CSR activity we have planted 1,47,588 saplings along roads and other places &amp; distributed 1,56,652 Nos of sapplings.</p> <p>✓ The cumulative plantation as on date is 8,57,896 saplings.</p>
		b	General Guidelines for Green Belt Development	<p>The total area covered under plantation in and around our cement plant is more than 33%. Vis a vis 105.15 Acre ha. in plant and more than 120 ha in mines</p>
		7	<b>CORPORATE SOCIAL RESPONSIBILITY</b>	<p>✓ Company is working for community development in nearby area in following fields</p> <p>✓ Infrastructure Development</p> <p>✓ Health &amp;Hygiene</p> <p>✓ Education</p> <p>✓ Environment Conservation</p> <p>✓ Water Conservation&amp; Drinking Water</p> <p>✓ Empowerment&amp; Skill Development</p> <p>✓ Promotion ofSport activities</p> <p>Social Welfareactivities</p>
		8	<b>INDUSTRIAL HYGIENE, OCCUPATIONAL HAZARDS AND SAFETY</b>	<p>✓ Periodical Medical Examinations are conducted of each employee by outside specialists once in every 5 years. Under this scheme each employee undergoes Pathological tests, blood group test, chest X-Rays, Audiometry tests, eye test etc. once every 5 years. Proper records of such tests are maintained. Not a single case of any occupational disease has so far been detected in our mines/plant.</p> <p><b>Welfare Amenities:</b></p> <p>A well-equipped Dispensary has been provided with Provision of Ambulance, Pathological Laboratory&amp; X-Ray, and</p>

				Audiometry etc. Drinking water facility with Molded water pots and two drinking water, water coolers for Summer season have been provided. Aqua guards - purifiers have been fitted in drinking water supply system.
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viii.	<i>Environmental Management Cell has to be established to carry out functions relating to environmental management action plans. The head of the cell should directly report to the Chief Executive</i>	<p>The EMC cell is working for development related to functions relating to environmental management action plans. The professional manpower with due qualifications are working for the functions relating to environment management. Environment Cell Structure is enclosed as <b>Annexure-22</b></p> <table> <tr> <th>Sl. No</th><th>Name</th><th>Qualification</th></tr> <tr> <td>1</td><td>Manish K. Singh</td><td>Plant Head &amp; President</td></tr> <tr> <td>2</td><td>Vinod Shrivastava</td><td>Sr.VP (Mines &amp; Mineral Resource Management)</td></tr> <tr> <td>3</td><td>Manoj Kashyap</td><td>(Head-Environment)</td></tr> <tr> <td>4</td><td>C. S. Pandit</td><td>Head (Mining)</td></tr> <tr> <td>5</td><td>Sumitabh Dwivedi</td><td>M.Sc. (Environmental Chemistry), MBA (Environmental Management)</td></tr> <tr> <td>6</td><td>B S Shekhawat</td><td>B.Sc., Post Graduate Diploma in Pollution Management (PGDPM)</td></tr> <tr> <td>7</td><td>Amit Biswas</td><td>M.Sc. Geology &amp; M.Tech. (Earth &amp; Environmental Sciences)</td></tr> <tr> <td>8</td><td>Sunil Kumar Upadhyay</td><td>M.Sc. Geology</td></tr> <tr> <td>9</td><td>Subhash Kumar Yadav</td><td>M.Tech. (Environmental Engineering)</td></tr> <tr> <td>10</td><td>Shubham Lakhera</td><td>M.Tech. (Environmental Engineering)</td></tr> <tr> <td>11</td><td>Om Prakash Rajak</td><td>M.Tech. (Environmental Science &amp; Engineering)</td></tr> <tr> <td>12</td><td>AnkitaParihar</td><td>M.Tech. (Environmental Engineering)</td></tr> <tr> <td>13</td><td>Rudra Pratap Singh</td><td>B.Sc Hons (Agriculture)</td></tr> <tr> <td>14</td><td>Reema Tiwari</td><td>M.Tech. (Environmental Engineering)</td></tr> </table> <p>Environmental Management Cell is functioning effectively, Structure of which is as follows:</p>	Sl. No	Name	Qualification	1	Manish K. Singh	Plant Head & President	2	Vinod Shrivastava	Sr.VP (Mines & Mineral Resource Management)	3	Manoj Kashyap	(Head-Environment)	4	C. S. Pandit	Head (Mining)	5	Sumitabh Dwivedi	M.Sc. (Environmental Chemistry), MBA (Environmental Management)	6	B S Shekhawat	B.Sc., Post Graduate Diploma in Pollution Management (PGDPM)	7	Amit Biswas	M.Sc. Geology & M.Tech. (Earth & Environmental Sciences)	8	Sunil Kumar Upadhyay	M.Sc. Geology	9	Subhash Kumar Yadav	M.Tech. (Environmental Engineering)	10	Shubham Lakhera	M.Tech. (Environmental Engineering)	11	Om Prakash Rajak	M.Tech. (Environmental Science & Engineering)	12	AnkitaParihar	M.Tech. (Environmental Engineering)	13	Rudra Pratap Singh	B.Sc Hons (Agriculture)	14	Reema Tiwari	M.Tech. (Environmental Engineering)
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ix.	<i>The capital cost and recurring cost annum earmarked for environmental</i>	Complying with the given condition, we have earmarked a fund for environmental protection equipment the fund will not diverted for any other purpose.

	<p>protection equipments shall be Rs. 115 Crores and Rs.3.20 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.</p>	<p>The capital cost and recurring cost annum earmarked for environmental protection is common for PCL.</p> <table><tr><th colspan="11">Year Wise Expenses for Environment Management (Common for the plant)</th></tr><tr><th rowspan="2">Heads</th><th colspan="10">Year</th></tr><tr><th>2015-16(Rs in Lacs )</th><th>2016-17 (Rs in Lacs )</th><th>2017-18(Rs in Lacs)</th><th>2018-19 (Rs in Lacs)</th><th>2019-20(Rs in Lacs)</th><th>2020-21 (Rs in Lacs)</th><th>2021-22 (Rs in Lacs)</th><th>2022-23 (Rs in Lacs)</th><th>2023-24 (Rs in Lacs)</th><th>2024-25 (till Septemb erRs in Lacs)</th></tr><tr><td>Maintenance of APCEs</td><td>65.48</td><td>38.64</td><td>75</td><td>14.71</td><td>13.5</td><td>14.65</td><td>29.08</td><td>13.97</td><td>124.89</td><td>21.92</td></tr><tr><td>Env Monitoring, STP Operation &amp; Maintenance, Plantation Etc.</td><td>53.78</td><td>37.71</td><td>52</td><td>84.31</td><td>30.96</td><td>21.02</td><td>21.05</td><td>136.61</td><td>239.60</td><td>157.33</td></tr><tr><td>APCE Power Consumption</td><td>1157.06</td><td>996.72</td><td>631.00</td><td>701.93</td><td>620.0</td><td>207.97</td><td>414.97</td><td>570.88</td><td>735.60</td><td>555.24</td></tr><tr><td>Total (Rs in Lacs )</td><td>1276.32</td><td>1073.07</td><td>757.00</td><td>800.95</td><td>664.46</td><td>243.65</td><td>465.11</td><td>721.47</td><td>1100.09</td><td>734.49</td></tr></table> <p>Recurring Expenditure for Environmental Management is enclosed as <b>Annexure-23</b></p>	Year Wise Expenses for Environment Management (Common for the plant)											Heads	Year										2015-16(Rs in Lacs )	2016-17 (Rs in Lacs )	2017-18(Rs in Lacs)	2018-19 (Rs in Lacs)	2019-20(Rs in Lacs)	2020-21 (Rs in Lacs)	2021-22 (Rs in Lacs)	2022-23 (Rs in Lacs)	2023-24 (Rs in Lacs)	2024-25 (till Septemb erRs in Lacs)	Maintenance of APCEs	65.48	38.64	75	14.71	13.5	14.65	29.08	13.97	124.89	21.92	Env Monitoring, STP Operation & Maintenance, Plantation Etc.	53.78	37.71	52	84.31	30.96	21.02	21.05	136.61	239.60	157.33	APCE Power Consumption	1157.06	996.72	631.00	701.93	620.0	207.97	414.97	570.88	735.60	555.24	Total (Rs in Lacs )	1276.32	1073.07	757.00	800.95	664.46	243.65	465.11	721.47	1100.09	734.49
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<b>x.</b>	<p>The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p>	<p>Agreed.</p> <p>Full cooperation shall be provided to the officer(s) of the Regional Officer in furnishing the requisite data/ information/ monitoring reports.</p> <p>Six monthly compliance report and the monitored data is being submitted to Regional Office of the Ministry / CPCB / SPCB regularly. Last compliance report was submitted vide letter no-. <b>PJL/ENV/2024/809 Dated 16.05.24.</b></p>																																																																												
	<p>A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.</p>	<p>Six monthly compliance and monitored data are submitted regularly. Details are given below:</p> <table><tr><th rowspan="2">Year</th><th colspan="2">Leases integrated with U-II</th></tr><tr><th>Dispatch no.</th><th>Date</th></tr><tr><td>2010</td><td>PCL/ENV/2012/119</td><td>29.12.2011</td></tr><tr><td rowspan="2">2011</td><td>PCL/ENV/2012/87</td><td>16.07.2012</td></tr><tr><td>PCL/ENV/2013/12</td><td>08.01.2013</td></tr><tr><td rowspan="2">2012</td><td>PCL/ENV/2013/66</td><td>16.05.2013</td></tr><tr><td>PCL/ENV/2013/01</td><td>04.01.2014</td></tr><tr><td rowspan="2">2013</td><td>PCL/ENV/2014/82</td><td>14.07.2014</td></tr><tr><td>PCL/ENV/2015/19</td><td>17.03.2015</td></tr></table>	Year	Leases integrated with U-II		Dispatch no.	Date	2010	PCL/ENV/2012/119	29.12.2011	2011	PCL/ENV/2012/87	16.07.2012	PCL/ENV/2013/12	08.01.2013	2012	PCL/ENV/2013/66	16.05.2013	PCL/ENV/2013/01	04.01.2014	2013	PCL/ENV/2014/82	14.07.2014	PCL/ENV/2015/19	17.03.2015																																																					
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2013	PCL/ENV/2014/82	14.07.2014																																																																												
	PCL/ENV/2015/19	17.03.2015																																																																												




		2015	PCL/ENV/2018/81	02.09.2015
			PCL/ENV/2016/18	04.03.2016
		2016	PCL/ENV/2016/92	28.09.2016
			PCL/ENV/2017/26	07.03.2017
		2017	PCL/ENV/2017/67	14.08.2017
			PCL/ENV/2017/67	10.03.2018
		2018	PCL/ENV/2018/52	27.08.2018
			PCL/ENV/2019/100	14.01.2019
		2019	PCL/ENV/2019	15.06.2019
			PCL/ENV/2019/186	02.12.2019
		2020	PCL/ENV/2020/230	01.06.2020
			PCL/ENV/2020/292	01.12.2020
		2021	PJL/ENV/2021/360	01.06.2021
			PJL/ENV/2021/426	01.12.2021
		2022	PJL/ENV/2022/505	01.06.2022
			PJL/ENV/2022/576	01.12.2022
		2023	PJL/ENV/2023/666	01.06.2023
			PJL/ENV/2023/746	01.12.2023
		2024	PJL/ENV/2024/809	16.05.2024

Sl. No.	Conditions	Compliance Status															
xi.	<p>The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.</p>	<p>The details of financial closure and approval has been submitted vide our letter no PCL/ENV/2011/31/U2 dated 11.04.2011 and the copy of the same is is enclosed as <b>Annexure-24</b>:</p> <div><div><div><p><b>PRISM CEMENT LIMITED</b> Works : VRS-Ambikapur, P.O.-Bilaspur, Dist.-Smta - 491111 Or.P.S. India Tel. : 06622 275881-3, 275881-4, 275881-5 Comp. Add. : Baghiche, Bana Road, Smta - 755 001 Or.P.S. India E.J. : 666723, 666726, Fax : 482770</p></div><div></div></div><div><p>Ref: PCL/ENV/2011/U2/A2 Date: 11.04.2011</p><p>To, Regional Director, Ministry of Environment &amp; Forests Regional Office, Western Region Ravishankar Nagar, Bhopal</p><p>Dear Sir,</p><p>Sub: Information of financial closure of the project. Your Ref: J-1811/ENV/2007-1A-11 (1) Date 23.09.2008</p><p>With reference to above mentioned subject and letter, we would like to inform you that the date of financial closure / commercial production is 01.01.2011. A certificate in this regard is attached.</p><p>Thanking you,</p><p>Yours faithfully, For PRISM CEMENT LIMITED</p><p> D.K. Singh Jt. General Manager (Environment)</p><p>Enc: as above</p></div></div> <div><div><p>प्रमाणित प्रमाण जिला मायार एवं उद्योग केन्द्र, रायचूर</p><p>कर्मक/प्रमाणित-राय/उद्योग/2011/ 65/15</p><p>प्रमाणित :-</p></div><div><p>उत्पादन प्रमाण पत्र</p><p>प्रमाणित किया जाता है कि मेसर्स प्रिज्म सीमेंट लिमिटेड- 2 (ए) लिमिटेड जिला रायचूर (मिड) द्वारा मन्त्रालय पत्र नं. 3406/ अर्थसाधन/राय/प्रमाणित/2011 मू. पत्रिका दिनांक 27-1-11 है। इसमें वर्णित उत्पाद का नाम प्रमाणित प्रमाणित एवं उत्पादन दिनांक निम्नानुसार है :-</p><table><tr><th>क्र.सं.</th><th>आवृत्ति नं.</th><th>उत्पादन का नाम</th><th>उत्पाद की मात्रा</th><th>व्यवसायिक उत्पादन दिनांक</th></tr><tr><td>1-</td><td>3242</td><td>आल वैल्यूएड आर्थ साधन</td><td>3000000 टन</td><td>1-1-2011</td></tr><tr><td>2-</td><td>3241</td><td>सीमेंट क्लिंकर</td><td>2300000 टन</td><td>1-1-2011</td></tr></table><p>उपरोक्तानुसार एवं डकर्ट द्वारा प्रस्तुत किये गये अभिलेखों के आधार पर प्रमाणित प्रमाणित की जायगी प्रमाणित प्रमाणित 2300000 टन एवं आल वैल्यूएड आर्थ साधन प्रमाणित की जायगी प्रमाणित प्रमाणित 3000000 टन के लिये, व्यवसायिक उत्पादन दिनांक 1-1-2011 है।</p><p>प्रमाणित प्रमाण जिला मायार एवं उद्योग केन्द्र, रायचूर (मिड) सतना, दिनांक :- 31/3/11</p><p>मेसर्स प्रिज्म सीमेंट लिमिटेड- 2 (ए) लिमिटेड जिला रायचूर (मिड) द्वारा मन्त्रालय पत्र नं. 3406/ अर्थसाधन/राय/प्रमाणित/2011 मू. पत्रिका दिनांक 27-1-11 है।</p><p>प्रमाणित प्रमाण जिला मायार एवं उद्योग केन्द्र, रायचूर (मिड) सतना, दिनांक :- 31/3/11</p></div></div> <div><p>Registered Office : 305, Laxmi Niwas Apartments, Amcoport, Hyderabad - 500 016. Corporate Office : "Rohuqa", Main Avenue, V. P. Road, Santacruz (W), Mumbai - 400 054.</p></div>	क्र.सं.	आवृत्ति नं.	उत्पादन का नाम	उत्पाद की मात्रा	व्यवसायिक उत्पादन दिनांक	1-	3242	आल वैल्यूएड आर्थ साधन	3000000 टन	1-1-2011	2-	3241	सीमेंट क्लिंकर	2300000 टन	1-1-2011
क्र.सं.	आवृत्ति नं.	उत्पादन का नाम	उत्पाद की मात्रा	व्यवसायिक उत्पादन दिनांक													
1-	3242	आल वैल्यूएड आर्थ साधन	3000000 टन	1-1-2011													
2-	3241	सीमेंट क्लिंकर	2300000 टन	1-1-2011													



[illegible]

Sl. No.	Conditions	Compliance Status
xiii.	<i>Measures should be taken for control of noise levels below 85dB (A) in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/ muffs.</i>	Quarterly measurements of noise levels at different sources are carried out. The noise levels is controlled below threshold limit. The operating staff at these locations has been provided with earmuffs. Noise Level Survey is enclosed <b>Annexure no- 05</b>
xiv.	<i>Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.</i>	<p>No industrial wastewater is generated as the cement plant is operated on dry process.</p> <p>For domestic wastewater, there is a sewage treatment plant of the state-of -art technology. It has the capacity to treat domestic wastewater of 600 KLPD.</p> <p>Contaminated water generated due to washing of equipment is passed though grease and oil trap tank having separation chambers and pumping arrangement. For separation of oil and grease particles from water, prime mover has been provided. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors. Details are given in specific condition no 7 &amp; general condition no 4 of this compliance report</p> <p>The strained out water left in the tank is stored in tanks, and is re-used for washing of HEMM.</p> <div style="text-align: center;">  <p>Oil &amp; Grease Automatic Trapping Unit</p> </div>



Images showing oil & grease trap

Detailed Report of treated effluent is given in **Annexure No 19**.

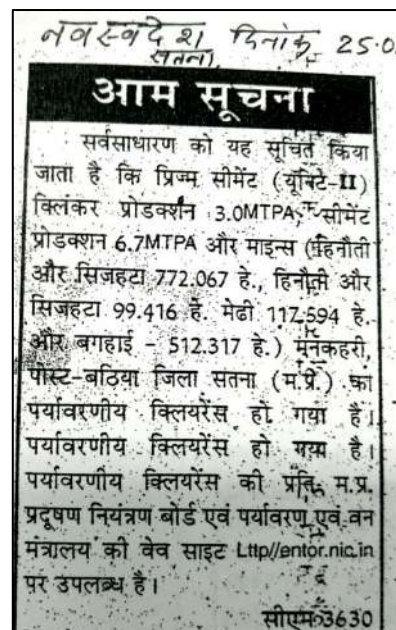
Sl. No.	Conditions	Compliance Status																														
xv.	<p><i>Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</i></p>	<p>Personal Protective Equipment; PPE has been provided to each employee.</p> <p>Respiratory devices have been used by the persons working in dusty areas.</p> <p>Personal protective Equipment's are being provided to the workers and they are given adequate training and information regarding safety and health aspects related to the kind of job they are engaged in.</p> <p>The list of PPEs issued from Apr'24 to Sep'24 is given below</p> <table> <tr> <th colspan="3">Total PPE's Apr'24 to Sep'24</th></tr> <tr> <th>Material</th><th>Qty.</th><th>Amount in Rs.</th></tr> <tr> <td>Dust Mask</td><td>195</td><td>2969.85</td></tr> <tr> <td>Goggle Safety Glass PVC,</td><td>55</td><td>2795.65</td></tr> <tr> <td>Hand Gloves</td><td>180</td><td>6156.00</td></tr> <tr> <td>Helmet Industrial Safety</td><td>40</td><td>4600.00</td></tr> <tr> <td>Jacket fluorescent High Visibility Wear</td><td>172</td><td>21844.00</td></tr> <tr> <td>Plug Ear muff</td><td>260</td><td>2080.00</td></tr> <tr> <td>Safety Shoes</td><td>350</td><td>356300</td></tr> <tr> <td><b>TOTAL</b></td><td></td><td><b>396745.50</b></td></tr> </table>	Total PPE's Apr'24 to Sep'24			Material	Qty.	Amount in Rs.	Dust Mask	195	2969.85	Goggle Safety Glass PVC,	55	2795.65	Hand Gloves	180	6156.00	Helmet Industrial Safety	40	4600.00	Jacket fluorescent High Visibility Wear	172	21844.00	Plug Ear muff	260	2080.00	Safety Shoes	350	356300	<b>TOTAL</b>		<b>396745.50</b>
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<b>TOTAL</b>		<b>396745.50</b>																														
		<p>Adequate training on safety and health awareness has been given by experts at VT center. Details of Vocational Training; VT are given below:</p> <table> <tr> <th colspan="3">Training programme executed during Apr'24 – Sep'24</th></tr> <tr> <th>PARTICULARS</th><th>Nos of Participants</th><th>Grade</th></tr> <tr> <td>Electrical Safety</td><td>110</td><td>Staff-65+ Worker-45</td></tr> <tr> <td>Hydraulic System (HEMM)</td><td>21</td><td>Staff</td></tr> <tr> <td>First Aid (Classroom)</td><td>110</td><td>Staff-65+ Worker-45</td></tr> </table>	Training programme executed during Apr'24 – Sep'24			PARTICULARS	Nos of Participants	Grade	Electrical Safety	110	Staff-65+ Worker-45	Hydraulic System (HEMM)	21	Staff	First Aid (Classroom)	110	Staff-65+ Worker-45															
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Hydraulic System (HEMM)	21	Staff																														
First Aid (Classroom)	110	Staff-65+ Worker-45																														

			Fire Fighting	110	Staff-65+ Worker-45	
			Apprentice trainees(Mines & Diesel mechanic)	55	55-Trainee	
			Mines Vocational Training	110	Staff-65+ Worker-45	
			Total Participant	516		
		<p><b>General Safety Consciousness of workers:</b> Continuous efforts are made to educate the workers about the safety of men and machines through regular departmental talks &amp; instructions, vocational training etc. A safety gate meeting is also organized on every first day of month.</p> <p><b>Occupational Health Examination:</b> Periodical Medical Examinations are conducted of each employee by outside specialists once in every 5 years. Under this scheme each employee undergoes Pathological tests, blood group test, chest X-Rays, Audiometry tests, eye test etc. once every 5 years. Proper records of such tests are maintained. Not a single case of any occupational disease has so far been detected in our mines/plant. Details are given in point no. vi.</p>				
xvi.	<i>The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.</i>	<p>The Regional Office was informed regarding financial closure of the project. Copy of the intimation of the financial closure of the project is enclosed as <b>Annexure-23</b></p> <p>Financial closure of the project has been intimated vide letter no PCL/ENV/2011/31/U2 dated 11.04.2011</p>				
xvii.	<i>A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation, if any, was received while processing the proposal.</i>	<p>A copy of the environmental clearance letter has been marked to the local gram panchayat and the receipt of the same is enclosed as <b>Annexure 26</b>. local NGO is not applicable as none participated during the processing of the proposal.</p>				
xviii.	<i>State pollution control board should display a copy of the clearance letter at the Regional Office, District Industry Centre &amp; Collector's office/ Tehsildar's office for 30 days.</i>	Agreed				

xix.

The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at "<http://emfor.nic.in>" and a copy of the same shall be forwarded to the Regional Office of this Ministry.

We had already published the accordance of Environmental Clearance in two newspapers on dated 25.09.2008 enclosed as Annexure 25.







**VIBRANT**  
Sample Number "unimaginable"

Name & Address of Party:

VTL/S/06  
M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur  
Baghelan, Dist.-Satna (M.P.)

Sample Description :

STACK EMISSION MONITORING

## TEST REPORT



TC-11227

Report No.: VTL/S/2406280006  
Format No.: 7.8 F-03  
Party Reference No.: NIL  
Report Date: 06/07/2024  
Period of Analysis: 28/06/2024-06/07/2024  
Receipt Date: 28/06/2024

Sample Collected : VTL Team  
Date & Time of Sampling : 24/06/2024  
Location : Cement Mill-II (Unit-I)  
Stack Attach To : Bag Filter  
Sampling duration (Minutes) : 33 Min. (15:00 to 15:33 Hrs.)  
Make Of Stack : MS  
Stack Diameter : 0.96 M.  
Stack Height : 36.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition status : Clear Sky  
Ambient Temperature - Ta (°C) : 25  
Temperature of Stack Gases - Ts (°C) : 77  
Velocity of Stack Gases (m/sec.) : 8.23  
Flow rate of PM (LPM) : 30  
Sampling condition : Isokinetic  
Flow rate of Flue Gas : 4.936 (Nm3/sec)  
Moisture : 8.50 %  
Cross Sectional Area of Stack : 0.72 (M<sup>2</sup>)  
Method of Sampling : IS-11255 & EPA

### RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	16.41	mg/Nm3	30

-----End of the Report-----

"Experience the unimaginable"

Approved & Certified  
Checked By

EPA 1986 Recognised, ISO:9001 and ISO:14001 Certified



RK Yadav  
Lab Incharge

Authorized Signatory

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com



**VIBRANT**

"Experience the unimaginable"

Sample Number:

Name & Address of Party:

VTL/S/07

M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur  
Baghelan, Dist.-Satna (M.P.)

Sample Description :

STACK EMISSION MONITORING

TEST REPORT



TC-11227

Report No.:

VTL/S/2406280007

Format No.:

7.8 F-03

Party Reference No.:

NIL

Report Date:

06/07/2024

Period of Analysis:

28/06/2024-06/07/2024

Receipt Date:

28/06/2024

Sample Collected : VTL Team  
Date & Time of Sampling : 24/06/2024  
Location : Cement Mill-I (Unit-I)  
Stack Attach To : Bag Filter  
Sampling duration (Minutes) : 38 Min. (13:30 to 14:08 Hrs.)  
Make Of Stack : MS  
Stack Diameter : 1.0 M.  
Stack Height : 49.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition status : Clear Sky  
Ambient Temperature - Ta (°C) : 26  
Temperature of Stack Gases - Ts (°C) : 83  
Velocity of Stack Gases (m/sec.) : 7.23  
Flow rate of PM (LPM) : 26  
Sampling condition : Isokinetic  
Flow rate of Flue Gas : 4.62 (Nm<sup>3</sup>/sec)  
Moisture : 7.60 %  
Cross Sectional Area of Stack : 0.785 (M<sup>2</sup>)  
Method of Sampling : IS-11255 & EPA

RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	16.85	mg/Nm <sup>3</sup>	30

-----End of the Report-----

"Experience the unimaginable"

Approved & Certified

EPA 1986 Recognised, ISO:9001 and ISO:45001 Certified

Checked By



RK Yadav

Lab Incharge

Authorized Signatory

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Term & conditions PTO





**VIBRANT**  
"Experience the unimaginable"

Sample Number:

Name & Address of Party:

Sample Description :

VTL/S/08

M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur  
Baghelan, Dist.-Satna (M.P.)

STACK EMISSION MONITORING

## TEST REPORT



TC-11227

Report No.:

Format No.:

Party Reference No.:

Report Date:

Period of Analysis:

Receipt Date:

VTL/S/2406280008

7.8 F-03

NIL

06/07/2024

28/06/2024-06/07/2024

28/06/2024

Sample Collected : VTL Team  
Date & Time of Sampling : 25/06/2024  
Location : Raw Mill & Kiln Stack Unit-I  
Stack Attach To : Bag Filter  
Sampling duration (Minutes) : 42 Min. (14:45 to 15:27 Hrs.)  
Make Of Stack : MS  
Stack Diameter : 4.75 M.  
Stack Height : 125.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition status : Clear Sky  
Ambient Temperature - Ta (°C) : 29  
Temperature of Stack Gases - Ts (°C) : 88  
Velocity of Stack Gases (m/sec.) : 6.67  
Flow rate of PM (LPM) : 24  
Sampling condition : Isokinetic  
Flow rate of Flue Gas : 94.913 (Nm<sup>3</sup>/sec)  
Moisture : 4.78%  
Cross Sectional Area of Stack : 17.71 (M<sup>2</sup>)  
Method of Sampling : IS-11255 & EPA

### RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	19.42	mg/Nm <sup>3</sup>	30
2.	Sulphur Dioxide (SO <sub>2</sub> )	IS: 11255 (P-2) : 1985, RA 2019	24.96	mg/Nm <sup>3</sup>	700
3.	Oxide of Nitrogen (NO <sub>2</sub> )	IS: 11255 (P-7) : RA 2017	647.0	mg/Nm <sup>3</sup>	1000

-----End of the Report-----

*[Signature]*

Approved & Certified

EPA 1986 Recognised, ISO:9001 and ISO:14001:2015 Certified

Checked By

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601



RK Yadav

Lab Incharge

Authorized Signatory

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com



**VIBRANT**

Sample Number "unimaginable"

Name & Address of Party:

VTL/S/09

M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur  
Baghelan, Dist.-Satna (M.P.)

Sample Description :

STACK EMISSION MONITORING

TEST REPORT



TC-11227

Report No.:

VTL/S/2406280009

Format No.:

7.8 F-03

Party Reference No.:

NIL

Report Date:

06/07/2024

Period of Analysis:

28/06/2024-06/07/2024

Receipt Date:

28/06/2024

Sample Collected : VTL Team  
Date & Time of Sampling : 26/06/2024  
Location : Coal Mill (Unit-I)  
Stack Attach To : Bag Filter  
Sampling duration (Minutes) : 48 Min. (11:00 to 11:48 Hrs.)  
Make Of Stack : MS  
Stack Diameter : 2.24 M.  
Stack Height : 65.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition status : Clear Sky  
Ambient Temperature - Ta (°C) : 25  
Temperature of Stack Gases - Ts (°C) : 50  
Velocity of Stack Gases (m/sec.) : 12.13  
Flow rate of PM (LPM) : 4021  
Sampling condition : Isokinetic  
Flow rate of Flue Gas : 42.898 (Nm<sup>3</sup>/sec)  
Moisture : 4.03%  
Cross Sectional Area of Stack : 3.94 (M<sup>2</sup>)  
Method of Sampling : IS-11255 & EPA

RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	14.96	mg/Nm <sup>3</sup>	30

-----End of the Report-----

"Experience the unimaginable"

RK Yadav

Lab Incharge

Authorized Signatory

Approved & Certified  
Checked By

EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com





**VIBRANT**

Sample Number "unimaginable"

Name & Address of Party:

VTL/S/10

M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur  
Baghelan, Dist.-Satna (M.P.)

Sample Description :

STACK EMISSION MONITORING

TEST REPORT



TC-11227

Report No.:

VTL/S/2406280010

Format No.:

7.8 F-03

Party Reference No.:

NIL

Report Date:

06/07/2024

Period of Analysis:

28/06/2024-06/07/2024

Receipt Date:

28/06/2024

Sample Collected : VTL Team  
Date & Time of Sampling : 26/06/2024  
Location : Cooler (Unit-I)  
Stack Attach To : ESP  
Sampling duration (Minutes) : 35 Min. (09:45 to 10:20 Hrs.)  
Make Of Stack : MS  
Stack Diameter : 4.50 M.  
Stack Height : 50.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition status : Clear Sky  
Ambient Temperature - Ta (°C) : 27  
Temperature of Stack Gases - Ts (°C) : 95  
Velocity of Stack Gases (m/sec.) : 8.30  
Flow rate of PM (LPM) : 29  
Sampling condition : Isokinetic  
Flow rate of Flue Gas : 103.965 (Nm<sup>3</sup>/sec)  
Moisture : 4.63 %  
Cross Sectional Area of Stack : 15.89 (M<sup>2</sup>)  
Method of Sampling : IS-11255 & EPA

RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	19.24	mg/Nm <sup>3</sup>	30

-----End of the Report-----

"Experience the unimaginable"



Approved & Certified  
Checked By

EPA 1986 Recognised, ISO:9001 and OHSAS 18001 Certified

RK Yadav  
Lab Incharge

Authorized Signatory

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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AAQMS Panel



AAQMS Station



Desktop showing monitoring data



Continuous Emission Monitoring System Panel



LED Display of emission parameters at Main Gate of premises



Continuous Air Quality Monitoring Station



Continuous Stack Emission Monitoring Station





National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**VIBRANT TECHNO LAB PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

PLOT NO. SC 40, 3RD FLOOR, NARAYAN VIHAR S, AJMER ROAD, JAIPUR, RAJASTHAN, INDIA

in the field of

**TESTING**

Certificate Number: TC-11227

Issue Date: 20/12/2022

Valid Until: 19/12/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : VIBRANT TECHNO LAB PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



**QUALITY COUNCIL  
OF INDIA**  
Creating an Ecosystem for Quality



## National Accreditation Board for Education and Training



### Certificate of Accreditation

#### **Vibrant Techno Lab Private Limited**

Plot No.SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road,  
Jaipur, Rajasthan-302020

The organization is accredited as **Category-A** under the QCI-NABET Scheme for Accreditation of EIA Consultant Organizations, Version 3: for preparing EIA-EMP reports in the following Sectors –

S. No	Sector Description	Sector (as per)		Cat.
		NABET	MoEFCC	
1	Mining of minerals-opencast mining only	1	1 (a) (i)	B
2	Metallurgical industries (ferrous & non-ferrous)	8	3 (a)	A
3	Building and construction projects	38	8 (a)	B
4	Townships and Area development projects	39	8 (b)	B

**Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in IAAC minutes dated December 9, 2022, posted on the QCI-NABET website.**

The Accreditation shall remain in force subject to continued compliance with the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/23/2643 dated January 17, 2023. The accreditation needs to be renewed before the expiry date by Vibrant Techno Lab Private Limited, Jaipur following the due process of assessment.

Sr. Director, NABET  
Dated: January 17, 2023

Certificate No.  
NABET/EIA/2225/IA 0104

Valid up to  
September 16, 2025

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to the QCI-NABET website.



# Certificate of Registration



*This is to Certify That The Quality Management System of*

## **VIBRANT TECHNO LAB PRIVATE LIMITED**

PLOT NO. SC-40, 3RD FLOOR, AJMER ROAD NARAYAN VIHAR S,  
JAIPUR, RAJASTHAN-302020, INDIA.

*has been audited and conformed to be in accordance with the requirements of*

# ISO 9001:2015

*The Quality Management System is Applicable to :*

PROVISION OF CONSULTANCY AND FACILITATION OF ENVIRONMENTAL  
SAMPLING AND ANALYSIS OF WATER, WASTE WATER, SOIL, AMBIENT  
AIR, STACK EMISSION, NOISE LEVEL MONITORING AND ORES &  
MINERAL TESTING AND ENVIRONMENTAL CLEARANCE, WILDLIFE  
CLEARANCE, NBWL CLEARANCE, EC/CTE/CTO/CGWA COMPLIANCE,  
PREPARATION OF MINING PLAN, HYDRO GEOLOGICAL STUDY,  
WATER IMPACT ASSESSMENT STUDIES AND PERFORMANCE  
EVALUATION STUDY OF PCDS.

Certificate No	: QCY34322	
Initial Registration Date	: 29/03/2022	Issuance Date : 29/03/2022
Date of Expiry	: 28/03/2025	
1st Surve. Due	: 28/02/2023	2nd Surve. Due: 29/02/2024

  
Director



ACCREDITED  
Management Systems  
Certification Body  
MSCB-174



### **Aambitious Assessment Pvt. Ltd.**

D-9, Sector 03, Noida, Gautam Buddha Nagar, Uttar Pradesh - 201301, India.

e-mail: [info@aapcertification.in](mailto:info@aapcertification.in), website: [www.aapcertification.in](http://www.aapcertification.in)

Certificate Verification: Certificate Validity can be re-checked at [www.aapcertification.in](http://www.aapcertification.in)

This certificate is a property of Aambitious Assessment Pvt. Ltd. and shall be returned immediately when demanded

\*Validity of the certificate is subject to successful completion of surveillance audit on or before due date

# ISO 9001:2015



ISO 45001:2018

# Certificate of Registration



*This is to Certify That The Occupational Health and Safety Management System of*

## **VIBRANT TECHNO LAB PRIVATE LIMITED**

PLOT NO. SC-40, 3RD FLOOR, AJMER ROAD NARAYAN VIHAR S,  
JAIPUR, RAJASTHAN-302020, INDIA.

*has been audited and conformed to be in accordance with the requirements of*

# ISO 45001:2018

*The Occupational Health and Safety Management System is Applicable to :*

PROVISION OF CONSULTANCY AND FACILITATION OF ENVIRONMENTAL SAMPLING AND ANALYSIS OF WATER, WASTE WATER, SOIL, AMBIENT AIR, STACK EMISSION, NOISE LEVEL MONITORING AND ORES & MINERAL TESTING AND ENVIRONMENTAL CLEARANCE, WILDLIFE CLEARANCE, NBWL CLEARANCE, EC/CTE/CTO/CGWA COMPLIANCE, PREPARATION OF MINING PLAN, HYDRO GEOLOGICAL STUDY, WATER IMPACT ASSESSMENT STUDIES AND PERFORMANCE EVALUATION STUDY OF PCDS.

Certificate No	: <b>OCD30322</b>	
Initial Registration Date	: 29/03/2022	Issuance Date : 29/03/2022
Date of Expiry	: 28/03/2025	
1st Surve. Due	: 28/02/2023	2nd Surve. Due: 29/02/2024

  
Director



ACCREDITED  
Management Systems  
Certification Body  
MSCB-174



### **Aambitious Assessment Pvt. Ltd.**

D-9, Sector 03, Noida, Gautam Buddha Nagar, Uttar Pradesh - 201301, India.

e-mail: [info@aapcertification.in](mailto:info@aapcertification.in), website: [www.aapcertification.in](http://www.aapcertification.in)

Certificate Verification: Certificate Validity can be re-checked at [www.aapcertification.in](http://www.aapcertification.in)

This certificate is a property of Aambitious Assessment Pvt. Ltd. and shall be returned immediately when demanded

\*Validity of the certificate is subject to successful completion of surveillance audit on or before due date





F.No. LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./

1013

**Provisional Certificate**

To,

Head of Laboratory,  
M/s Vibrant Techno Lab Private Limited,  
Plot No. SC 40, 3rd Floor, Narayan Vihar S,  
Ajmer Road, Jaipur- 302020, Rajasthan,

**Subject: Recognition of M/s Vibrant Techno Lab Private Limited, Plot No. SC 40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur- 302020, Rajasthan, as Environmental laboratory under the Environmental (Protection) Act- 1986.**

Sir,

I am directed to refer the online application, dated 24/01/2023 for the recognition of your laboratory under Environmental (Protection) Act, 1986. Based on the recommendations of the concerned Division, approval of Competent Authority for recognition of Environmental laboratories and your acceptance of the revised terms and conditions at Annexure-III & IV of the guidelines for recognition of environmental laboratories, CPCB approves the recognition **M/s Vibrant Techno Lab Private Limited, Plot No. SC 40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur- 302020, Rajasthan** and shall be notified in the Gazette of India. Considering the current requirement of mandatory accreditation/ certifications of the laboratory, **this recognition shall be valid up to 19/12/2024.**

2. As sought in the aforementioned application, **M/s Vibrant Techno Lab Private Limited, Plot No. SC 40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur- 302020, Rajasthan** may undertake the following tests:

- i. **Physical Tests**-Conductivity, Colour, pH, Fixed & Volatile Solids, Total Solids, Total Dissolved Solids, Total Suspended Solids, Turbidity, Temperature, Velocity & Discharge Measurement of Industrial Effluent Stream, Flocculation Test (Jar test), Settleable Solids and Sludge Volume Index.
- ii. **Inorganic (General and Non-metallic):** Acidity, Alkalinity, Ammonical Nitrogen, Chloride, Chlorine Residual, Dissolved Oxygen, Fluoride, Total Hardness, Total Kjeldahl Nitrogen (TKN), Nitrite Nitrogen, Nitrate Nitrogen, Phosphate, Sulphate, Carbon Dioxide, Iodine, Sulphite, Silica and Sulphide.
- iii. **Inorganic (Trace Metals):** Boron, Cadmium, Calcium, Total Chromium, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio, Zinc, Arsenic, Aluminium, Manganese and Selenium.
- iv. **Organics (General) and Trace Organics:** Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organo-Chlorine and Organo Nitrogen-Phosphorus), Surfactant, Poly-Nuclear Aromatic Hydrocarbon (PAH) each, Organic Carbon (in solid) and Carbon/Nitrogen Ratio.
- v. **Microbiological Test:** Total Coliform, Faecal Coliform, *E. coli*, *Faecal Streptococci* and Total Plate Count.
- vi. **Toxicological Tests:** Bioassay Method for Evaluation of Toxicity Using Fish and Measurement of Toxicity Factor Using Zebra Fish (Dimensionless Toxicity Test).
- vii. **Biological Tests:** Benthic Organism Identification and Count, Chlorophyll and Primary Productivity
- viii. **Characterization of Hazardous Waste:** Preparation of Leachate (TCLP Extract/Water Extract), Toxicity and Measurement of Heavy Metals/Pesticides in the Waste/Leachate.
- ix. **Soil/Sludge/Sediment and Solid Waste:** Boron, Cation Exchange Capacity (CEC), Electrical Conductivity, Nitrogen (Available), Organic Carbon/Matter (Chemical Method), pH, Phosphorous (Available), Phosphate (Ortho), Phosphate (Total), Potassium, SAR in Soil

Contd.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032


दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in



Extract, Sodium, Soil moisture, TKN, Calorific Value, Ammonia, Bicarbonate, Calcium, Calcium Carbonate, Chloride, Exchangeable Sodium Percentage (ESP), Heavy Metals, Magnesium, Nitrate, Nitrite, PAH, Potash (available), Total Water Soluble Salt and Water Holding Capacity.

- x. **Ambient Air/ Fugitive Emissions:** Nitrogen Dioxide (NO<sub>2</sub>), Sulphur Dioxide (SO<sub>2</sub>), Total Suspended Particulate Matter, Respirable Suspended Particulate Matter PM<sub>10</sub>, Ammonia, Carbon monoxide, Chlorine, Fluoride, Non-Methane Hydrocarbon, Lead, Methane, Ozone, Polycyclic Aromatic Hydrocarbon (PAH) Benzo-a-Pyrene & others and PM<sub>2.5</sub>.
  - xi. **Stack Gases/ Source Emission:** Particulate Matter, Sulphur Dioxide, Velocity & Flow, Carbon Dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of Nitrogen, Acid Mist, Ammonia, Chlorine, Fluoride (Gaseous), Total Hydrocarbon, Carbon Disulphide and Hydrogen Sulphide.
  - xii. **Noise Level:** Noise Level Measurement (20-140 dBA) and Ambient Noise and Source Specific Noise.
  - xiii. **Meteorological:** Ambient Temperature, Wind Direction, Wind Speed, Relative Humidity and Rainfall.
3. Further, the following analysts have been approved as Government Analysts.
- i. Sh. Raj Kumar Yadav
  - ii. Sh. Nemichand
  - iii. Sh. Umesh Kumar Sharma
4. The laboratory shall compulsorily participate in the Analytical Quality Exercise conducted by the Central Pollution Control Board (CPCB) to ascertain the capability of the laboratory and analysis carried out and shall submit quarterly progress report to CPCB.
5. The surprise inspection/periodic surveillance of the recognized environment laboratory will be undertaken by CPCB to assess its proper functioning systematic operation and reliability of data generated at the laboratory.
6. It is also mandatory for the laboratory to have requisite accreditations of the ISO: 17025 and ISO:45001 and its renewal as per accreditation rules. This recognition is subject to such accreditations and renewals as applicable. The laboratory is required to apply online for further renewal of recognition through CPCB web portal after renewal of the mandatory accreditations / certifications concerned.
7. The laboratory should compulsorily follow the accepted terms and conditions. In case of serious non-compliance of any of the terms and conditions, the laboratory may be black listed for a minimum period of two years and civil/criminal proceedings, as applicable, may be initiated for performing functions on behalf of the Government in an unauthorized manner.

Yours faithfully,

 28/3/23

(Dr. K. Ranganathan)  
Scientist-E & Divisional Head  
Instrumentation laboratory

डॉ. के. रंगनाथन / Dr. K. Ranganathan

वैज्ञानिक 'ई' / Scientist 'E'  
प्रदेशीय जल एवं उपकरणीय प्रयोगशाला  
Div. Head-Water & Instrumentation Laboratory  
केंद्रीय प्रदूषण नियंत्रण बोर्ड  
Central Pollution Control Board  
पर्यावरण, जल एवं जलवायु परिवर्तन विभाग, भारत सरकार  
(Min. Environment, Forest & Climate Change, Govt. of India)  
परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032  
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

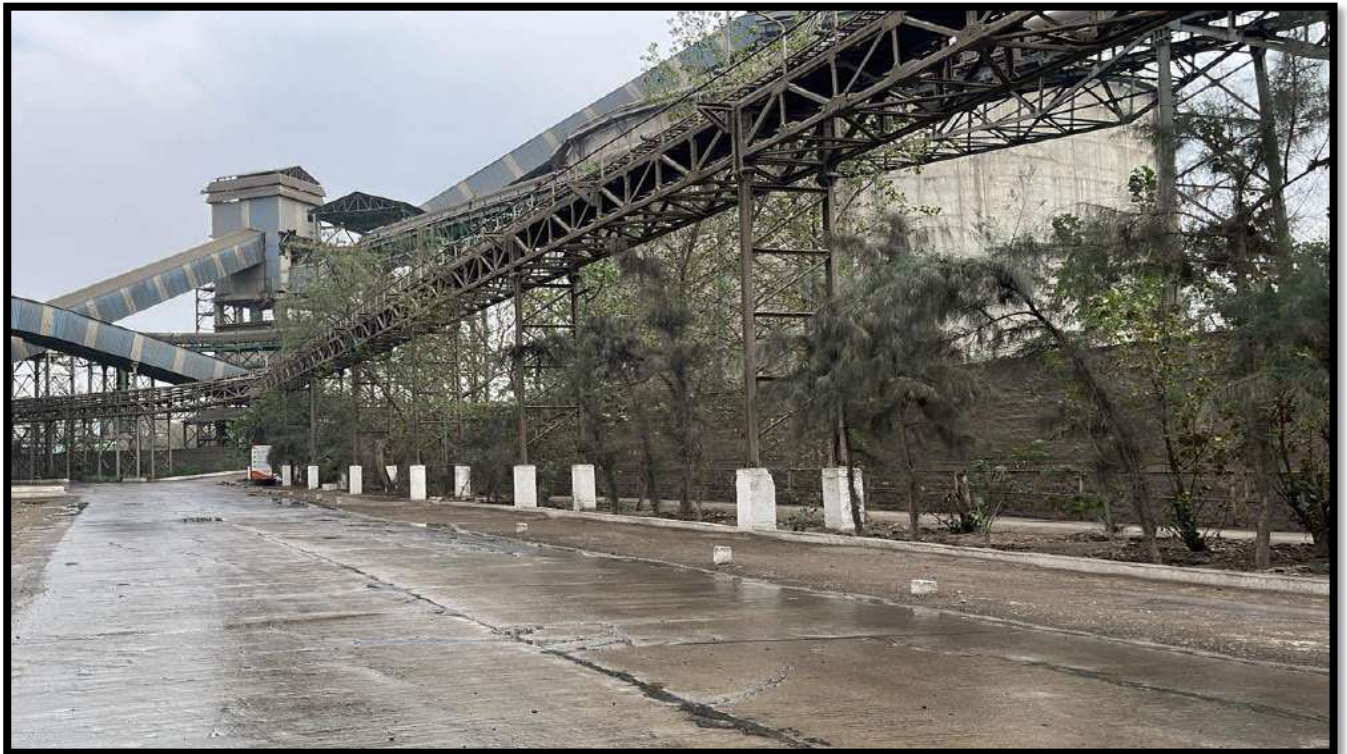
Covered Belt











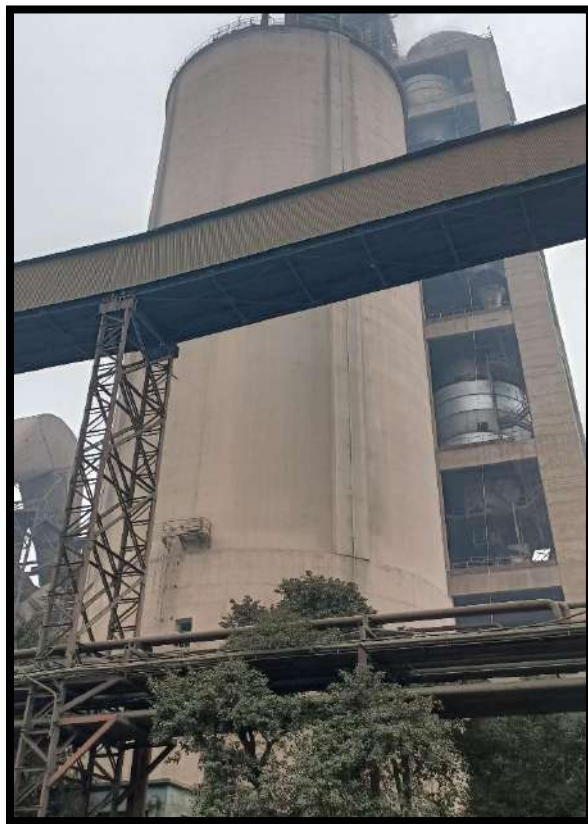
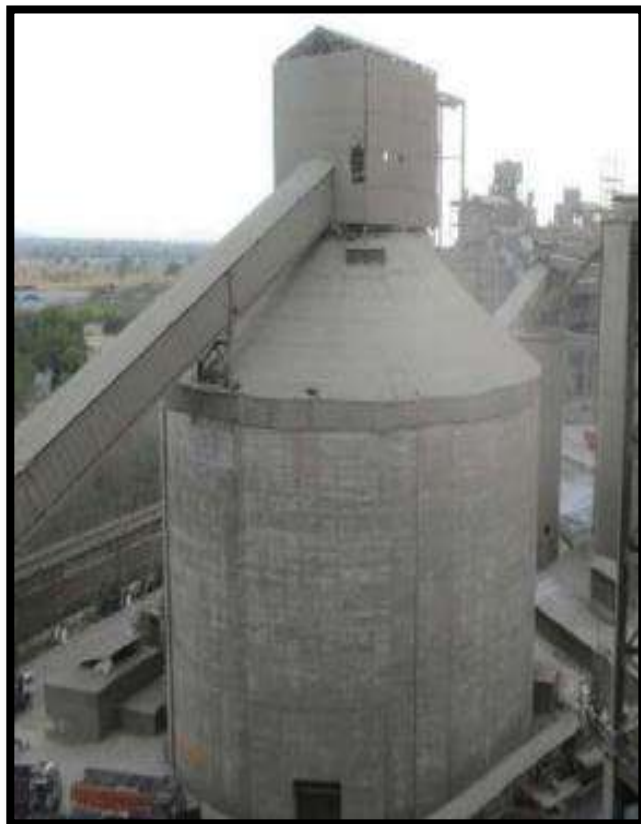
Covered Shed & Storage Area







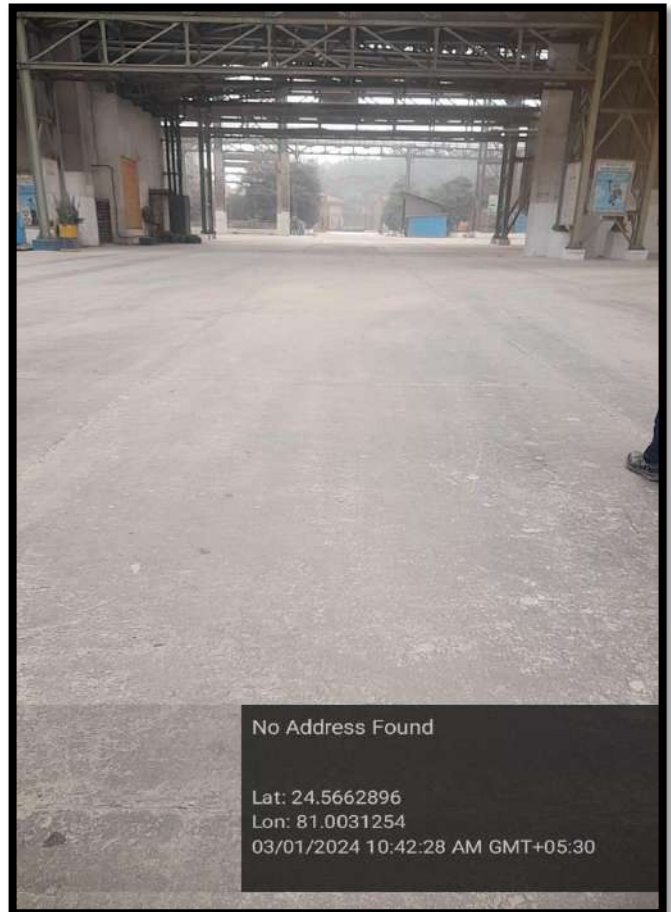
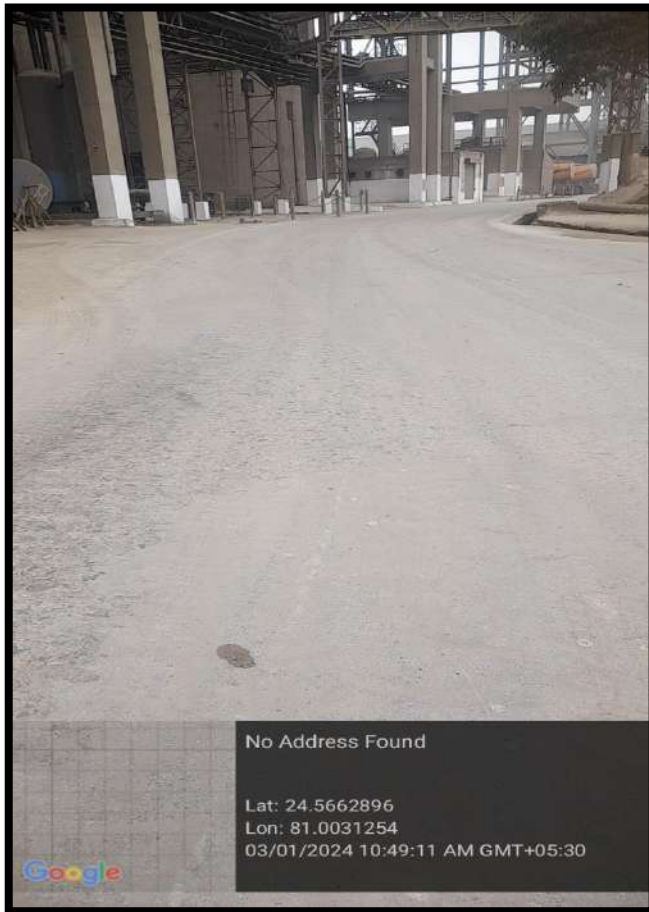
Covered Silo







## Regular house keeping





**Plantation within Plant boundary**













**Fog Cannon Machine for dust suppression**



Sample Number : VTL/FD/01

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/FD/2406280001/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : Fugitive Dust Emission Monitoring

**General Information :-**

Sampling Location : Near Lime stone Handling (Raw Material Handling)  
Sample Collected By : VTL Team  
Sampling Equipment used : HVS  
Instrument Code : VTL/HVS/01  
Coordinates : --  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024  
Time of Monitoring : 10:00 to 18:00 Hrs.  
Ambient Temperature (°C) : Min 30°C Max 39°C  
Surrounding Activity : Human, Vehicular & Plant Activities  
Method of Sampling : Lab STP: VTL/STP/02  
Sampling Duration : 8 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	Lab SOP no. VTL/STP/02:2022 , STP-01	1160.0	µg/m3

\*\*\*End of Report\*\*\*

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Checked by



RK Yadav

Lab Incharge

Authorized Signatory

Page No. 1/1

Approved & Certified

EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com



Sample Number : VTL/FD/02

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/FD/2406280002/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : Fugitive Dust Emission Monitoring

**General Information :-**

Sampling Location : Near Coal Yard  
Sample Collected By : VTL Team  
Sampling Equipment used : HVS  
Instrument Code : VTL/HVS/01  
Coordinates : --  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 19:00 to 03:00 Hrs.  
Ambient Temperature (°C) : Min 29°C Max 39°C  
Surrounding Activity : Human, Vehicular & Plant Activities  
Method of Sampling : Lab STP: VTL/STP/02  
Sampling Duration : 8 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	Lab SOP no. VTL/STP/02:2022 , STP-01	1390.00	µg/m3

\*\*\*End of Report\*\*\*



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

Page No. 1/1

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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Sample Number : VTL/FD/03

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/FD/2406280003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : Fugitive Dust Emission Monitoring

**General Information :-**

Sampling Location : Near Packing Plant Unit-I  
Sample Collected By : VTL Team  
Sampling Equipment used : HVS  
Instrument Code : VTL/HVS/01  
Coordinates : --  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 26/06/2024  
Time of Monitoring : 09:30 to 17:30 Hrs.  
Ambient Temperature (°C) : Min 29°C Max 39°C  
Surrounding Activity : Human, Vehicular & Plant Activities  
Method of Sampling : Lab STP: VTL/STP/02  
Sampling Duration : 8 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	Lab SOP no. VTL/STP/02:2022 , STP-01	865.00	µg/m3

\*\*\*End of Report\*\*\*

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Checked by  




RK Yadav  
Lab Incharge  
Authorized Signatory  


Page No. 1/1

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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www.vibranttechnolab.com



Sample Number : VTL/FD/04

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/FD/2406280004/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : Fugitive Dust Emission Monitoring

**General Information :-**

Sampling Location : Near Packing Plant Unit-II  
Sample Collected By : VTL Team  
Sampling Equipment used : HVS  
Instrument Code : VTL/HVS/01  
Coordinates : --  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 20:00 to 04:00 Hrs.  
Ambient Temperature (°C) : Min 28°C Max 36°C  
Surrounding Activity : Human, Vehicular & Plant Activities  
Method of Sampling : Lab STP: VTL/STP/02  
Sampling Duration : 8 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	Lab SOP no. VTL/STP/02:2022 , STP-01	702.00	µg/m3

\*\*\*End of Report\*\*\*

**VIBRANT**  
"Experience the unimaginable"



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

Page No. 1/1

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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www.vibranttechnolab.com

Sample Number : VTL/FD/05

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/FD/2406280005/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : Fugitive Dust Emission Monitoring

**General Information :-**

Sampling Location : Near Cement Mill Unit-I  
Sample Collected By : VTL Team  
Sampling Equipment used : HVS  
Instrument Code : VTL/HVS/01  
Coordinates : --  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 27/06/2024 To 27/06/2024  
Time of Monitoring : 09:30 to 17:30 Hrs.  
Ambient Temperature (°C) : Min 28°C Max 36°C  
Surrounding Activity : Human, Vehicular & Plant Activities  
Method of Sampling : Lab STP: VTL/STP/02  
Sampling Duration : 8 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	Lab SOP no. VTL/STP/02:2022 , STP-01	840.00	µg/m3

\*\*\*End of Report\*\*\*

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Sample Number : VTL/FD/06

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/FD/2406280006/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : Fugitive Dust Emission Monitoring

**General Information :-**

Sampling Location : Near Cement Mill Unit-II  
Sample Collected By : VTL Team  
Sampling Equipment used : HVS  
Instrument Code : VTL/HVS/02  
Coordinates : --  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 26/06/2024  
Time of Monitoring : 12:00 to 20:00 Hrs.  
Ambient Temperature (°C) : Min 29°C Max 39°C  
Surrounding Activity : Human, Vehicular & Plant Activities  
Method of Sampling : Lab STP: VTL/STP/02  
Sampling Duration : 8 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	Lab SOP no. VTL/STP/02:2022 , STP-01	849.00	µg/m3

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****Sample Number :** VTL/AA/14**Name & Address of the Party :** M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)**Report No. :** VTL/A/2406280006/A**Format No :** 7.8 F-02**Party Reference No :** NIL**Report Date :** 06/07/2024**Period of Analysis :** 28/06/2024-06/07/2024**Receipt Date :** 28/06/2024**Sample Description :** AMBIENT AIR QUALITY MONITORING**General Information:-**

**Sampling Location :** Nr. Medhi Mines Boundary Pillar No.-28 (Medhi Mine)  
**Sample Collected By :** VTL Team  
**Sampling Equipment used :** RDS/FPS  
**Instrument Code :** VTL/RDS/FPS/06  
**Coordinates :** 81.041406 & 24.513958  
**Meteorological condition during monitoring :** Clear Sky  
**Date of Monitoring :** 23/06/2024 To 24/06/2024  
**Time of Monitoring :** 11:00 to 11:00 Hrs.  
**Ambient Temperature (°C) :** Min.29° Max 39°  
**Surrounding Activity :** Human, Vehicular & Mining Activities  
**Scope of Monitoring :** Regulatory Requirement  
**Method of Sampling :** IS :5182  
**Sampling Duration :** 24 Hrs.  
**Parameter Required :** As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	84.26	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	42.15	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	21.45	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	13.26	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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## TEST REPORT

**VIBRANT**

"Experience the unimaginable"

Sample Number : VTL/AA/14

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280006/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Nr.Medhi Mines Boundary Pillar No.-28 (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.041406 & 24.513958  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 11:00 to 11:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.74	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/16

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280007/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Nar Nala Bridge (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.025812 & 24.574117  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 10:00 to 10:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	78.42	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	39.68	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	20.97	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.23	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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## TEST REPORT

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Sample Number : VTL/AA/16

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280007/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near Nar Nala Bridge (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.025812 & 24.574117  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 10:00 to 10:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.71	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/13

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280008/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Nr. Boundary Piller No.64, Bagahai (Bagahai Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 81.043743 & 24.577705  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 10:30 to 10:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	70.42	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.85	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.53	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.83	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

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Sample Number : VTL/AA/13

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280008/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Nr. Boundary Pillar No.64, Bagahai (Bagahai Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 81.043743 & 24.577705  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 10:30 to 10:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.72	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/10

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280009/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : South Side of working pit (Bagahai Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 81.044145 & 24.561192  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 11:00 to 11:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	86.26	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	43.52	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	23.75	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	12.95	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/10

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280009/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : South Side of working pit (Bagahai Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 81.044145 & 24.561192  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 11:00 to 11:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.82	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/11

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280010/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : At Baisan Tola (Nr. Bagahai ML Area)(Bagahai Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 81.051734 & 24.559126  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 11:30 to 11:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	69.32	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	38.45	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.64	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.85	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/AA/11

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280010/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : At Baisan Tola (Nr. Bagahai ML Area)(Bagahai Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 81.051734 & 24.559126  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 11:30 to 11:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.62	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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Sample Number : VTL/AA/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280011/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Adiwasi Tola (Nr. Bagahai ML Area)(Bagahai Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/05  
Coordinates : 81.053377 & 24.564937  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 12:00 to 12:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	83.26	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	39.74	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	21.45	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.44	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280011/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Adiwasi Tola (Nr. Bagahai ML Area)(Bagahai Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/05  
Coordinates : 81.053377 & 24.564937  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 12:00 to 12:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.63	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/09  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280012/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**  
Sampling Location : Village - Sijahata (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.021389 & 24.576411  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 11:55 to 11:55 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	72.45	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.88	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.03	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.74	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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TEST REPORT

Sample Number : VTL/AA/09

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280012/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Sijahata (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.021389 & 24.576411  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 11:55 to 11:55 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.58	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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## TEST REPORT



TC-11227

Sample Number : VTL/AA/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280013/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Hinauti (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.002441 & 24.587458  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 10:30 to 10:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	72.56	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.49	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.23	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.54	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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## TEST REPORT

Sample Number : VTL/AA/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280013/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Hinauti (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.002441 & 24.587458  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 10:30 to 10:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.59	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/08

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280014/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near Western Block Garden (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 80.990481 & 24.585602  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 11:20 to 11:20 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	65.77	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.54	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.85	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.32	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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TEST REPORT

Sample Number : VTL/AA/08

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280014/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Western Block Garden (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 80.990481 & 24.585602  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 11:20 to 11:20 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.57	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/07

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280015/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near Mines Site Office (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 80.99725 & 24.575807  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 11:45 to 11:45 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	63.99	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.85	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.36	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.44	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/AA/07

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280015/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near Mines Site Office (Hinauti & Sijahata PCL Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 80.99725 & 24.575807  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 11:45 to 11:45 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.62	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280016/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Hinauti (Chuli Majhiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 81.002441 & 24.587488  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 12:00 to 12:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	64.85	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.99	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.32	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.92	µg/m <sup>3</sup>	80

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\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/AA/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280016/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Hinauti (Chuli Majhiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 81.002441 & 24.587488  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 12:00 to 12:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.63	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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RK Yadav

Lab Incharge

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## TEST REPORT



Sample Number : VTL/AA/17

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280017/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Malgaon (Chuli Majhiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/05  
Coordinates : 81.004569 & 24.605146  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 11:30 to 11:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	65.12	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.74	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.99	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.41	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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TEST REPORT

Sample Number : VTL/AA/17

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280017/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Malgaon (Chuli Majhiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/05  
Coordinates : 81.004569 & 24.605146  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 11:30 to 11:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.67	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/22

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280018/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Majhiyar (Chuli Majhiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.006206 & 24.600534  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 12:30 to 12:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	74.56	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.99	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.42	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.67	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/22

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280018/B  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Majhiyar (Chuli Majhiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.006206 & 24.600534  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 12:30 to 12:30 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.76	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/20

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280019/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Chulhi (Chulhi Majiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.002619 & 24.594461  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 11:00 to 11:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	75.26	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.85	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	20.45	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.89	µg/m <sup>3</sup>	80

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Sample Number : VTL/AA/20

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280019/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Chulhi (Chulhi Majiyar Mines)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.002619 & 24.594461  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 11:00 to 11:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.71	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/21

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280020/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Kulhari (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 81.034753 & 24.567341  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 11:30 to 11:30 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	72.15	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.26	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.92	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.42	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/AA/21

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280020/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Kulhari (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 81.034753 & 24.567341  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 11:30 to 11:30 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.69	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/20

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280021/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Chulhi (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 81.002619 & 24.594461  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 12:00 to 12:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	71.26	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	33.45	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.99	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.74	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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TEST REPORT

Sample Number : VTL/AA/20

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280021/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Chulhi (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 81.002619 & 24.594461  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 12:00 to 12:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.68	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/19

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280022/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Hinauta (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 80.985206 & 24.569934  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 12:30 to 12:30 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	78.45	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.62	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.84	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.14	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/AA/19

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280022/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauta (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 80.985206 & 24.569934  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 12:30 to 12:30 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.67	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/18

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280023/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Badarkha (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/05  
Coordinates : 80.982443 & 24.584626  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 13:00 to 13:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	79.24	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	38.96	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	20.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.96	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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TEST REPORT

Sample Number : VTL/AA/18

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280023/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Badarkha (Badarkha Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/05  
Coordinates : 80.982443 & 24.584626  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 13:00 to 13:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.67	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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*Rajiv*



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Sample Number : VTL/AA/17

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280024/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Malgaon (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.004574 & 24.605147  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 12:45 to 12:45 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	64.21	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.15	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.96	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.03	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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TEST REPORT

Sample Number : VTL/AA/17

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280024/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Village - Malgaon (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/06  
Coordinates : 81.004574 & 24.605147  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 12:45 to 12:45 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.63	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/15

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280025/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Medhi Mines Boundary Pillar No.-23 (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/07  
Coordinates : 81.031055 & 24.575677  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 13:00 to 13:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	84.01	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	41.63	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	22.41	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.78	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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Sample Number : VTL/AA/15

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280025/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Medhi Mines Boundary Pillar No.-23 (Medhi Mine)  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/07  
Coordinates : 81.031055 & 24.575677  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 13:00 to 13:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.71	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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## TEST REPORT



# VIBRANT

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Sample Number : VTL/AA/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280001/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

### General Information:-

Sampling Location : Near Guest House  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.007674 & 24.5591  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 09:00 to 09:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	67.23	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.56	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.89	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.44	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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# VIBRANT

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## TEST REPORT

Sample Number : VTL/AA/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280001/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

### General Information:-

Sampling Location : Near Guest House  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 81.007674 & 24.5591  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 09:00 to 09:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.67	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/A/2406280002/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near Admin Building  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/02  
Coordinates : 81.006746 & 24.566037  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 09:30 to 09:30 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	69.85	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.12	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.47	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.25	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****Sample Number :** VTL/AA/04**Name & Address of the Party :** M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)**Report No. :** VTL/A/2406280002/B**Format No :** 7.8 F-02**Party Reference No :** NIL**Report Date :** 06/07/2024**Period of Analysis :** 28/06/2024-06/07/2024**Receipt Date :** 28/06/2024**Sample Description :** AMBIENT AIR QUALITY MONITORING**General Information:-**

**Sampling Location :** Near Admin Building  
**Sample Collected By :** VTL Team  
**Sampling Equipment used :** RDS/FPS  
**Instrument Code :** VTL/RDS/FPS/02  
**Coordinates :** 81.006746 & 24.566037  
**Meteorological condition during monitoring :** Clear Sky  
**Date of Monitoring :** 23/06/2024 To 24/06/2024  
**Time of Monitoring :** 09:30 to 09:30 Hrs.  
**Ambient Temperature (°C) :** Min.29° Max 39°  
**Surrounding Activity :** Human, Vehicular & Plant Activities  
**Scope of Monitoring :** Regulatory Requirement  
**Method of Sampling :** IS :5182  
**Sampling Duration :** 24 Hrs.  
**Parameter Required :** As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.70	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

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## TEST REPORT



**VIBRANT**  
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Sample Number : VTL/AA/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280003/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near Stacker  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 81.001108 & 24.560603  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 10:00 to 10:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	66.59	µg/m <sup>3</sup>	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.16	µg/m <sup>3</sup>	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.49	µg/m <sup>3</sup>	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.41	µg/m <sup>3</sup>	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/AA/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

### General Information:-

Sampling Location : Near Stacker  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/03  
Coordinates : 81.001108 & 24.560603  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 10:00 to 10:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.59	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AA/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Steel Yard  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 80.997380 & 24.561715  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 10:20 to 10:20 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	81.42	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	40.85	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	22.74	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.46	µg/m³	80

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/AA/03

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/A/2406280004/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Steel Yard  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 80.997380 & 24.561715  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 10:20 to 10:20 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10) 1999 RA 2019 (NDIR)	0.79	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AN/10

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280005/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM

**General Information:-**

Sampling Location : Nr. Medhi Mines Boundary Pillar No. 28 (Medhi Mine)  
Instrument Code : VTL/SLM/05  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	48.6	39.5

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/08

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280006/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Near Boundary Pillar No. 64 Bagahai (Bagahai Mine)  
Instrument Code : VTL/SLM/06  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	53.2	40.8

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/07

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280007/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM

**General Information:-**

Sampling Location : South Side of Working pit (Bagahai Mine)

Instrument Code : VTL/SLM/01

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 24/06/2024 To 25/06/2024

Time of Monitoring : 06:00 to 06:00 Hrs.

Ambient Temperature (°C) : Min.30° Max 39°

Surrounding Activity : Human, Vehicular & Mining Activities

Parameter Required : As per work order

Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.8	41.4

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/06

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280008/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : At Baisan Tola (Near Bagahai ML Area) (Bagahai Mine)  
Instrument Code : VTL/SLM/02  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	49.2	38.7

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/05

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280009/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Adiwasi Tola (Near Bagahai ML Area) (Bagahai Mine)  
Instrument Code : VTL/SLM/03  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	47.9	40.2

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280010/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Village - Sijahata (Hinauti & Sijahata PCL Mine)  
Instrument Code : VTL/SLM/04  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.8	42.1

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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## TEST REPORT



Sample Number : VTL/AN/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280011/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

### General Information:-

Sampling Location : Village - Hinauti (Hinauti & Sijahata PCL Mine)  
Instrument Code : VTL/SLM/05  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 24/06/2024 To 25/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.6	39.9

### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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**TEST REPORT**

TC-11227

Sample Number : VTL/AN/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
 Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280012/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM

**General Information:-**

Sampling Location : Near Western Block Garden (Hinauti &amp; Sijahata PCL Mine)

Instrument Code : VTL/SLM/06

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 24/06/2024 To 25/06/2024

Time of Monitoring : 06:00 to 06:00 Hrs.

Ambient Temperature (°C) : Min.30° Max 39°

Surrounding Activity : Human, Vehicular &amp; Other Activities

Parameter Required : As per work order

Coordinates : 80.99117 &amp; 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	49.8	38.1

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280013/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM

**General Information:-**

Sampling Location : Near Mine Site Office ((Hinauti & Sijahata PCL Mine)

Instrument Code : VTL/SLM/07

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 24/06/2024 To 25/06/2024

Time of Monitoring : 06:00 to 06:00 Hrs.

Ambient Temperature (°C) : Min.30° Max 39°

Surrounding Activity : Human, Vehicular & Other Activities

Parameter Required : As per work order

Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	49.8	39.5

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

\*\*\*End of Report\*\*\*

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Sample Number : VTL/AN/20

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280014/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

General Information:-

Sampling Location : Village- Hinauti (Chuli Majhiyar Mine)  
Instrument Code : VTL/SLM/01  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	49.1	38.7

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/19

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

Report No. : VTL/N/2406280015/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 06/07/2024  
Receipt Date : 28/06/2024  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status

**General Information:-**

Sampling Location : Village- Malgaon (Chuli Majhiyar Mine)  
Instrument Code : VTL/SLM/02  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.9	42.5

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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## TEST REPORT



TC-11227

Sample Number : VTL/AN/18

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280016/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM

### General Information:-

Sampling Location : Village- Majhiyar (Chuli Majhiyar Mine)

Instrument Code : VTL/SLM/03

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 25/06/2024 To 26/06/2024

Time of Monitoring : 06:00 to 06:00 Hrs.

Ambient Temperature (°C) : Min.30° Max 39°

Surrounding Activity : Human, Vehicular & Other Activities

Parameter Required : As per work order

Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.2	40.7

### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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Sample Number : VTL/AN/16

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280017/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Village- Kulhari (Badarkha Mine)  
Instrument Code : VTL/SLM/04  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	50.3	42.3

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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Sample Number : VTL/AN/15

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280018/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Village- Chuli (Badarkha Mine)  
Instrument Code : VTL/SLM/05  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	53.2	44.1

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/14

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280019/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Village- Hinauta (Badarkha Mine)  
Instrument Code : VTL/SLM/06  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 25/06/2024 To 26/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.30° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.8	43.1

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/13

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

Report No. : VTL/N/2406280020/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 06/07/2024  
Receipt Date : 28/06/2024  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status

**General Information:-**

Sampling Location : Village- Badarkha (Badarkha Mine)  
Instrument Code : VTL/SLM/01  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	49.8	38.2

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280021/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Village- Malgaon (Medhi Mine)  
Instrument Code : VTL/SLM/02  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	48.6	39.1

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/11

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280022/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 06/07/2024  
Receipt Date : 28/06/2024  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Medhi Mines Boundary Pillar No. 23 (Medhi Mine)  
Instrument Code : VTL/SLM/03  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Mining Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.4	41.7

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/23

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280023/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM

**General Information:-**

Sampling Location : Near Nar Nala Bridge (Medhi Mines)

Instrument Code : VTL/SLM/04

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 26/06/2024 To 27/06/2024

Time of Monitoring : 06:00 to 06:00 Hrs.

Ambient Temperature (°C) : Min.29° Max 39°

Surrounding Activity : Human, Vehicular & Mining Activities

Parameter Required : As per work order

Coordinates : --

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	53.9	42.8

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

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Sample Number : VTL/AN/24

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280024/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Chulhi (Chuli Mahiyar mines)  
Instrument Code : VTL/SLM/05  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 26/06/2024 To 27/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : --

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	56.7	44.9

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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Sample Number : VTL/AN/21

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280001/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Near Guest House  
Instrument Code : VTL/SLM/01  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.7	41.7

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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## TEST REPORT



TC-11227

Sample Number : VTL/AN/24

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/N/2406280002/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

### General Information:-

Sampling Location : Near Admin Building  
Instrument Code : VTL/SLM/02  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Other Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	53.8	42.1

### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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Sample Number : VTL/AN/22

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280003/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Near Stacker  
Instrument Code : VTL/SLM/03  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	50.8	41.7

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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Sample Number : VTL/AN/23

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2406280004/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 06/07/2024

Receipt Date : 28/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : Near Crusher Unit- II  
Instrument Code : VTL/SLM/04  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 23/06/2024 To 24/06/2024  
Time of Monitoring : 06:00 to 06:00 Hrs.  
Ambient Temperature (°C) : Min.29° Max 39°  
Surrounding Activity : Human, Vehicular & Plant Activities  
Parameter Required : As per work order  
Coordinates : 80.99117 & 24.56758

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	62.9	50.0

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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Sample Number : VTL/W/01

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Sijahata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

**TEST REPORT**

TC-11227

ULR No. : TC1122724000001316F

Report No. : VTL/W/2406280001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 &amp; 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.32	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	221.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	53.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	195.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	43.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	21.60	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	580.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	40.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.39	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	11.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.22	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5


  
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## TEST REPORT



TC-11227

Sample Number : VTL/W/01

ULR No. : TC1122724000001316F  
Report No. : VTL/W/2406280001/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/W/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Sijahata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT



TC-11227

Sample Number : VTL/GW/02  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001317F  
Report No. : VTL/W/2406280002/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Packing Plant - Unit -2  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	245.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	62.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	192.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	43.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	21.95	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	510.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	43.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.49	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	10.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.27	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

**VIBRANT**

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Sample Number : VTL/GW/02

ULR No. : TC1122724000001317F

Report No. : VTL/W/2406280002/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/GW/02

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

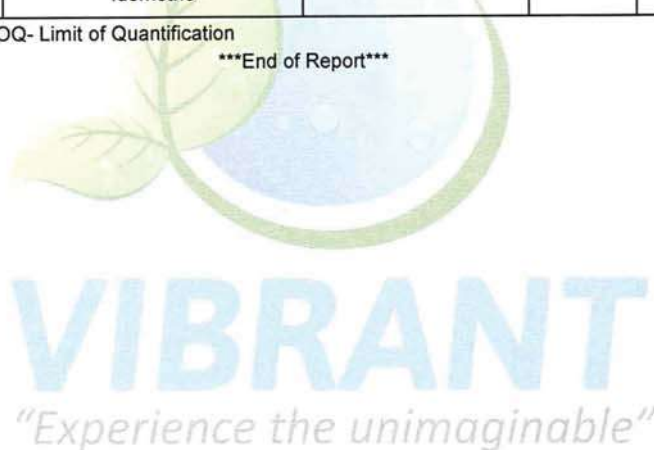
Coordinates : 81.998838 &amp; 24.564754

Sample Description : Water Sample  
Sampling Location : Packing Plant - Unit -2  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/GW/03  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001318F  
Report No. : VTL/W/2406280003/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Hinauta Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	208.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	55.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	182.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	49.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	17.20	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	610.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	72.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.33	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.23	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/03

ULR No. : TC1122724000001318F  
Report No. : VTL/W/2406280003/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT

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Sample Number : VTL/GW/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Hinauta Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

Report No. : VTL/W/2406280003/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29):1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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Sample Number : VTL/GW/04  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001319F  
Report No. : VTL/W/2406280004/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Mine Site Office Hinauti Sijahata  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.38	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	175.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	54.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	152.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	42.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	9.79	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	495.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	43.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.33	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	11.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.23	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.20	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/04

ULR No. : TC1122724000001319F

Report No. : VTL/W/2406280004/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/GW/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Mine Site Office Hinauti Sijahata

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/06  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001320F  
Report No. : VTL/W/2406280005/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : PCL Colony Supply Water Borewell Temple 11  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.33	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	182.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	156.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	45.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	10.27	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	510.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	45.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.36	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.20	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.19	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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## TEST REPORT



TC-11227

Sample Number : VTL/GW/06

ULR No. : TC1122724000001320F  
Report No. : VTL/W/2406280005/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

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Sample Number : VTL/GW/06

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280005/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : PCL Colony Supply Water Borewell Temple 11  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/05

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Mankahari Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

ULR No. : TC1122724000001321F  
Report No. : VTL/W/2406280006/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.38	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	210.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	52.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	166.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	30.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	19.50	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	520.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	47.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.32	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	15.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.32	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.24	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/05

ULR No. : TC1122724000001321F  
Report No. : VTL/W/2406280006/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/05  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280006/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Mankahari Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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Sample Number : VTL/GW/07  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001322F  
Report No. : VTL/WI/2406280007/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Badarkha Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	258.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	57.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	215.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	47.36	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	28.14	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	670.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	62.01	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.59	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	17.3	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.24	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



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Sample Number : VTL/GW/07

ULR No. : TC1122724000001322F

Report No. : VTL/W/2406280007/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/07  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

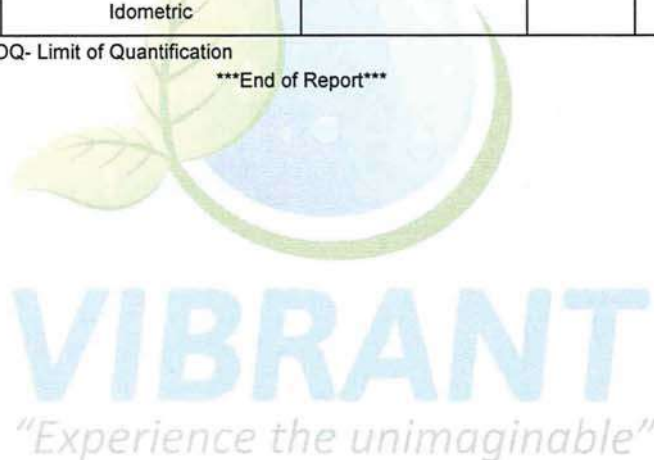
Report No. : VTL/W/2406280007/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Badarkha Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29):1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/GW/08  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001323F  
Report No. : VTL/W/2406280008/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Malgaon Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.45	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	248.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	59.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	184.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	49.8	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	24.49	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	561.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	63.1	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.41	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	18.7	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.34	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/08

ULR No. : TC1122724000001323F

Report No. : VTL/W/2406280008/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/GW/08

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Malgaon Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280008/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/09  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001324F  
Report No. : VTL/W/2406280009/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Medhi Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.40	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	229.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	51.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	151.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	50.1	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	24.73	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	578.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	72.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.39	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.85	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.33	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.28	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/09

ULR No. : TC1122724000001324F  
Report No. : VTL/W/2406280009/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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TEST REPORT

Sample Number : VTL/GW/09

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Medhi Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280009/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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Sample Number : VTL/GW/10

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Plant Pump House (Raw Mill Borewell)  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

ULR No. : TC1122724000001325F  
Report No. : VTL/W/2406280010/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.42	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	242.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	53.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	200.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	119.4	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	26.67	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	490.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	58.3	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.42	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	15.32	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.21	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.31	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/10

ULR No. : TC1122724000001325F  
Report No. : VTL/W/2406280010/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/10  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

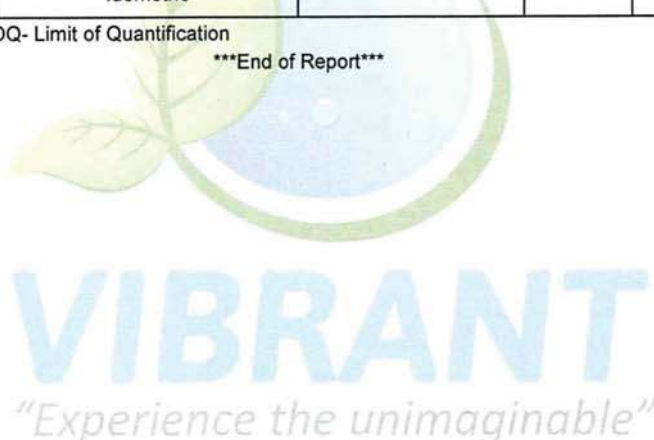
Report No. : VTL/W/2406280010/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Plant Pump House (Raw Mill Borewell)  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/GW/11  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001326F  
Report No. : VTL/W/2406280011/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Time Office Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.36	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	310.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	72.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	242.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	96.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	31.68	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	540.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	55.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.51	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	11.62	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.28	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.36	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

**VIBRANT**

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Sample Number : VTL/GW/11

ULR No. : TC1122724000001326F

Report No. : VTL/W/2406280011/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/GW/11

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280011/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 &amp; 24.564754

Sample Description : Water Sample  
Sampling Location : Time Office Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Lab Incharge

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**Vibrant Techno Lab Pvt. Ltd.**

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Sample Number : VTL/GW/12  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001327F  
Report No. : VTL/W/2406280012/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Limestone Mine Site office D. Water  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.49	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	220.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	162.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	128.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	19.51	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	590.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	52.1	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.53	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	12.4	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.24	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.19	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/12

ULR No. : TC1122724000001327F  
Report No. : VTL/W/2406280012/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

# VIBRANT

"Experience the unimaginable"

Sample Number : VTL/GW/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280012/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Limestone Mine Site office D. Water  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/12  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001328F  
Report No. : VTL/W/2406280013/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Bagahai Limestone Mine Site office D. Water  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.45	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	192.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	50.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	174.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	114.5	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	16.34	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	510.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	51.4	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.22	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	12.3	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.26	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/12

ULR No. : TC1122724000001328F

Report No. : VTL/W/2406280013/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****Sample Number :** VTL/GW/12**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)**Report No. :** VTL/W/2406280013/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 06/07/2024**Period of Analysis :** 28/06/2024-06/07/2024**Receipt Date :** 28/06/2024**Sampling Date :** 27/06/2024**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.**Coordinates :** 81.998838 & 24.564754**Sample Description :** Water Sample  
**Sampling Location :** Bagahai Limestone Mine Site office D. Water  
**Sample Collected By :** VTL Team  
**Preservation :** Suitable Preservation  
**Method of sampling :** IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/14

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Plant Site Truck Tippler Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

ULR No. : TC1122724000001329F  
Report No. : VTL/W/2406280014/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.46	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	263.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	62.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	225.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	68.1	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	26.32	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	658.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	0.42	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	11.41	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	0.36	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.30	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/14

ULR No. : TC1122724000001329F  
Report No. : VTL/W/2406280014/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/14

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280014/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Plant Site Truck Tippler Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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## TEST REPORT



TC-11227

Sample Number : VTL/GW/15  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001330F  
Report No. : VTL/W/2406280015/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Hinauti Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.52	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	275.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	59.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	226.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	85.4	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	31.05	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	675.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	82.1	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.51	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.3	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.21	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.27	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

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Sample Number : VTL/GW/15

ULR No. : TC1122724000001330F

Report No. : VTL/W/2406280015/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/15

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280015/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Hinauti Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/16  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001331F  
Report No. : VTL/W/2406280016/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Chulhi Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	265.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	57.23	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	195.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	76.1	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	29.70	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	625.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	81.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.51	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	15.96	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.24	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.28	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/16

ULR No. : TC1122724000001331F

Report No. : VTL/W/2406280016/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/GW/16

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280016/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Chulhi Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number:	VTL/WL/01-11	Report No.:	VTL/WL/ 2406280001-11/B
Name & Address of the Party:	M/s PRISM JOHNSON LIMITED Village- Mankahari, Tehsil- Rampur Baghelan, Dist.- Satna (M.P.)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
Sample Collected By	VTL Team	Report Date:	06/07/2024
Sample Description:	Ground Water Level Monitoring	Receipt Date:	28/06/2024
		Date of Monitoring	26-27/06/2024

S.No.	Location	Depth (In meter)
1.	Near Colony Gate	11.63
2.	Behind B Block colony	02.98
3.	Behind C Block colony	16.21
4.	Near Auto Work Shop	14.26
5.	In Front of Den	13.45
6.	Western Block Mines	09.74
7.	Near New Magazine Mines	12.41
8.	Rose Garden Near Road	08.37
9.	Mines near Ramprasan	11.98
10.	Medhi Mines	13.74
11.	Mankahari Mines	18.41

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## Authorization Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Expansion  
Hazardous Authorization up  
to - 30/11/2028

CONSENT NO: \*\*\*

PCB ID: 13880

Outward No:119350,15/12/2023

Consent No:H-59332

NO: /MPPCB/SAT

To,

**The Proprietor**

**M/s. M/s. Prism Johnson Ltd.**

(Cement Division Unit- II) (13880),

Village-Mankahari, P.O. Bathia,

Tehsil-Rampur Baghelan,

Distt. Satna - 485111 (M.P.)

**Subject:** Grant of Authorization (**For Expansion**) under Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.

**Ref:** Your Application Receipt No. 1301693 Dt. 31/10/2023 and last communication received on Dt.22/11/2023.

With reference to your above application for Grant of Authorization (**For Expansion**) has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed for Authorisation for co-processing of AFR and Hazardous waste in cement plant as per Rule 9 of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and CPCB guidelines for preprocessing and co-processing of hazardous and other waste in Cement plants, valid for 05 years up to **30/11/2028**, subject to the fulfillment of the terms & conditions, enclosed with this letter

### **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- a. Location: Village - Mankahari, P O Bathia, Rajdeep Rewa Road Satna Tehsil - Rampur Baghelan, Distt -Satna, Contact No. 9109912455
- b. The capital investment in Cr: Rs. 1333 /-s
- c. Product & Production Capacity:

Sr. No.	Product	Qty/year
1.	Cement	6.70 Million tone/ year ( Six point Seven million tone per year)
2.	Clinker	3.0 Million tone/ year ( Three million tone per year)
3.	Generation of Electricity by DG-Set-1x 6 MWH	6.00 MWH (Six MWH)

### **Enclosures:-**

- \* Conditions under Hazardous waste Rules 2016.
- \* General conditions

By the order of Chairman, MPPCB



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 4M61SPYD9X

Signature Not Verified  
Digitally Signed by : Chandra  
Mohan Thakur IAS  
Date: 15/12/2023 12:30:13 PM

**CHANDRA MOHAN THAKUR**  
Member Secretary





## Authorization Order

**M.P. Pollution Control Board**  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

[See rule 6 (2) ]

**FORM-2**

#### GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorisation and date of issue :
2. Reference of application (No. and date) **COE-1301693, dt: 31/10/2023**
3. The Authorization shall be valid **From 01/12/2023 to 30/11/2028**
4. The Occupier of **M/s. Prism Johnson Ltd. (Cement Division Unit- II) (13880)** is hereby granted an authorisation based on the signed inspection report of regional officer (can be seen in XGN) for generation/collection, reception, storage, recycling, pre-processing, co-processing/ utilisation, of hazardous or other wastes as per **CPCB guidelines dated 7/07/2017 for preprocessing and co-processing of hazardous and other waste in Cement plants / Rule 09 of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016** on the premises situated at **Village - Mankahari, P O Bathia , Rajdeep Rewa Road Satna , Tehsil - Rampur Baghelan Distt - Satna (M.P.) - 485111, Phone No. 07672275301.**

#### Details of Authorisation

Sr. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Catg.	Existing Capacity (ton/annum)	Additional Capacity After Expansion (ton/annum)	Authorised mode of disposal co-processing, in cement plant.
1.	Ballast Water Containing Oil From Ships(3.4)	3.4	3300.000-M.T	Nil	Co- processing in cement plant
2.	Spent Solvents(28.6)	28.6	16500.000-M.T	Nil	Co- processing in cement plant
3.	Spent acid(26.3)	26.3	25000.000-M.T	Nil	Co- processing in cement plant
4.	Spent Solvents(20.2)	20.2	25000.000-M.T	Nil	Co- processing in cement plant
5.	Spent solvent(21.2)	21.2	550.000-M.T	Nil	Co- processing in cement plant
6.	Sludge Containing Oil(2.2)	2.2	3300.000-M.T	Nil	Co- processing in cement plant
7.	Spent Catalyst(4.2)	4.2	3300.000-M.T	Nil	Co- processing in cement plant
8.	Distillation Residues(20.3)	20.3	6600.000-M.T	Nil	Co- processing in cement plant
9.	Oily Sludge or Emulsion(4.1)	4.1	3300.000-M.T	Nil	Co- processing in cement plant
10.	Spent Catalyst(28.2)	28.2	1100.000-M.T	Nil	Co- processing in cement plant
11.	Spent Catalyst(18.1)	18.1	1650.000-M.T	Nil	Co- processing in cement plant
12.	Wastes or residues containing oil(5.2)	5.2	1752.500-M.T	Nil	Co- processing in cement plant
13.	Slop Oil(4.3)	4.3	3300.000-M.T	Nil	Co- processing in cement plant
14.	Spent Clay Containing Oil(4.5)	4.5	3300.000-M.T	Nil	Co- processing in cement plant
15.	Acid from used batteries(9.3)	9.3	12000.000-M.T	Nil	Co- processing in cement plant
16.	Process Waste Sludge/Residues Containing Acid, Toxic Metals, Organic compounds	26.1	6000.000-M.T	Nil	Co- processing in cement plant
17.	Spent solvent(26.4)	26.4	25000.000-M.T	Nil	Co- processing in cement plant
18.	Spent pickling liquor(13.1)	13.1	6000.000-M.T	Nil	Co- processing in cement plant
19.	Spent solvents(29.4)	29.4	25000.000-M.T	Nil	Co- processing in cement plant
20.	Process Residue and wastes(28.1)	28.1	8250.000-M.T	Nil	Co- processing in cement plant
21.	Drilling mud containing oil(2.3)	2.3	6000.000-M.T	Nil	Co- processing in cement plant
22.	Process wastes or residues(29.1)	29.1	25000.000-M.T	Nil	Co- processing in cement plant
23.	Spent acids(29.6)	29.6	3000.000-M.T	Nil	Co- processing in cement plant
24.	Exhaust Air or Gas cleaning residue(35.1)	35.1	Nil	3000.000-M.T	Co- processing in cement plant
25.	cargo residue, washing water and sludge containing oil(3.1)	3.1	Nil	3300.000-M.T	Co- processing in cement plant
26.	Drill cuttings excluding those from water based mud(2.1)	2.1	Nil	6000.000-M.T	Co- processing in cement plant
27.	Date-expired products(28.5)	28.5	Nil	16500.000-M.T	Co- processing in cement plant
28.	Chemical sludge from waste water treatment(35.3)	35.3	Nil	6600.000-M.T	Co- processing in cement plant
29.	cargo residue and sludge containing chemicals(3.2)	3.2	Nil	3300.000-M.T	Co- processing in cement plant
30.	Sludge And Filters Contaminated With Oil(3.3)	3.3	Nil	3300.000-M.T	Co- processing in cement plant
31.	Carbon residue(18.2)	18.2	Nil	1650.000-M.T	Co- processing in cement plant
32.	Organic Residues From Process(4.4)	4.4	Nil	3300.000-M.T	Co- processing in cement plant
33.	Organic Residues(1.4)	1.4	Nil	4950.000-M.T	Co- processing in cement plant
34.	Cathode Residues Including Pot Lining Wastes(11.2)	11.2	Nil	6000.000-M.T	Co- processing in cement plant
35.	Brine Sludge(16.3)	16.3	Nil	6000.000-M.T	Co- processing in cement plant
36.	Process residues(38.1)	38.1	Nil	130000.000-M.T	Co- processing in cement plant
37.	Off Specification Products(28.4)	28.4	Nil	6600.000-M.T	Co- processing in cement plant

**Consent No. H-59332**





## Authorization Order

**M.P. Pollution Control Board**  
**E-5, Arera Colony**  
**Paryavaran Parisar, Bhopal - 16 MP**  
**Tele : 0755-2466191, Fax-0755-2463742**

38.	Any process or distillation residue(36.1)	36.1	Nill	3000.000-M.T	Co- processing in cement plant
39.	Spent carbon(28.3)	28.3	Nill	3000.000-M.T	Co- processing in cement plant
40.	Spent Catalyst And Molecular Sieves(1.6)	1.6	Nill	3300.000-M.T	Co- processing in cement plant
41.	Drosses and waste from treatment of salt sludge	11.5	Nill	6000.000-M.T	Co- processing in cement plant
42.	Sludge From Acid Recovery Unit(13.2)	13.2	Nill	6000.000-M.T	Co- processing in cement plant
43.	Wastes or Residues (Not Made With Vegetable Or Animal Materials)(23.1)	23.1	Nill	6000.000-M.T	Co- processing in cement plant
44.	Spent ion exchange resin containing toxic metals	35.2	Nill	6000.000-M.T	Co- processing in cement plant
45.	process Wastes,Residues and sludges(21.1)	21.1	Nill	550.000-M.T	Co- processing in cement plant

- (1) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions if any)
- (2) The industry shall comply with the provisions of SOP issued by the CPCB dated 07-07-2017 – Guidelines for preprocessing ,and co-processing of hazardous waste and other waste / AFR in cement plant.
- (3) Industry shall comply the emission norms as per MoEF &CC notification vide GSR no 497 dated 10-05-2016 as amended.
- (4) Industry shall submit six monthly compliance of SOP for AFR co-processing by cement plant.
- (5) Industry shall insure installation, regular operation and internet connectivity of CEMS with the Board for online Continuous stack Emission Monitoring System (CSEMS) with to monitor gaseous emission and regular monitoring of heavy metal as per provisions of CPCB- SOP and connect the same with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal for remote surveillance

### **A. General conditions of authorisation:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

**Consent No:H-59332**





## **Authorization Order**

**M.P. Pollution Control Board**  
**E-5, Arera Colony**  
**Paryavaran Parisar, Bhopal - 16 MP**  
**Tele : 0755-2466191, Fax-0755-2463742**

### **B. Specific conditions:**

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

### **Additional Haz condition:-**

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. No import of hazardous waste is allowed at the site.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email- [it\\_mppcb@rediffmail.com](mailto:it_mppcb@rediffmail.com) about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.
9. The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
10. The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
11. The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
12. In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
13. The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 20(1).
14. The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes are likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
15. No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 7 of the manifest accompany it.
16. The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

**Consent No:H-59332**





## Authorization Order

**M.P. Pollution Control Board**  
**E-5, Arera Colony**  
**Paryavaran Parisar, Bhopal - 16 MP**  
**Tele : 0755-2466191, Fax-0755-2463742**

17. The industry shall comply with the Standard Operating Procedure (SOP) and Monitoring Protocol as per the guidelines issued by the Central Pollution Control Board for the Industries engaged in the co-processing of the hazardous waste.

18. The industry shall procure the pre-processed hazardous waste from the agency duly authorised by the MPPCB and the transportation shall be done through the transporters registered with the MPPCB under the Rules, 2016.

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:- (If any)**

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc	Record should be maintained	Sale to authorized party/As Per CPCB, MoEF Guide lines.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:
  - a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
  - b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
  - c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
  - d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
  - e. To sample at reasonable times any discharge or pollutants.
4. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.
5. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
6. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month.
7. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.
8. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.
9. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorization.
10. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
11. Industry shall obtain membership of Emergency Response Center of the Board if needed.
12. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
13. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

**Consent No: H-59332**





## **Authorization Order**

**M.P. Pollution Control Board**  
**E-5, Arera Colony**  
**Paryavaran Parisar, Bhopal - 16 MP**  
**Tele : 0755-2466191, Fax-0755-2463742**

- (a) Violation of any terms and conditions of this Consent.
- (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

14. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### **Additional condition:- (if any) :-**

1. *The industry shall operate the Outdoor HD Industrial grade IP (Internet Protocol) Cameras with pan-Tilt-Zoom (PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point shall be kept operational & in working order and connect the same with Environment Surveillance Centre of MP Pollution control board Bhopal for remote surveillance.*
2. *Industry shall ensure regular operation and maintenance of canyons water foggers installed in the plant. They must be kept in working condition at all times.*
3. *Industry shall obtain Consent to operate for expansion as per CTE (expansion) conditions / consent condition.*

Authorization as required under the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this Authorisation. The applicant without valid Authorisation (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

**For and on behalf of  
M.P. Pollution Control Board**

**By the order of Chairman, MPPCB**



**(Organic Authentication on AADHAR from UIDAI Server)**  
**TPAV # 4M61SPYD9X**

**CHANDRA MOHAN THAKUR**  
**Member Secretary**

**Consent No:H-59332**

## Water Consumption Apr'24-Sept'24

Month	Unit-2 (in KLD)
April	20072
may	20054
June	20639
July	9767
August	14313
September	19489





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TEST REPORT



TC-11227

Sample Number : VTL/WW/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Waste Water

Sampling Location : STP Inlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000001312F

Report No. : VTL/WW/2406280001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit
1	pH	IS: 3025 (P-11): 2022	6.92	-
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	149.00	mg/l
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 2023	1410.00	mg/l
4	Oil & Grease	IS:3025 (P-39): 2021	6.21	mg/l
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C )	IS: 3025 (P-44): 2023	52.0	mg/l
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	240.0	mg/l

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*

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Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory



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**Vibrant Techno Lab Pvt. Ltd.**

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0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com





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TEST REPORT

Sample Number : VTL/WW/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Waste Water

Sampling Location : STP Inlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/WW/2406280001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit
1	Fecal Coliform	APHA: 9221 C: 2023	170.0	MPN/100 ml

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

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TEST REPORT



TC-11227

Sample Number : VTLWW/02

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : STP Outlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000001313F

Report No. : VTLWW/2406280002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

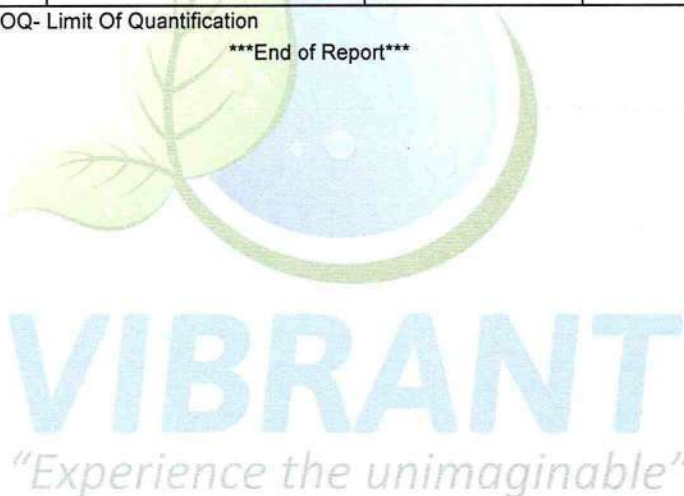
Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.34	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	28.4	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 2023	840.0	mg/l	2100
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C )	IS: 3025 (P-44): 2023	12.50	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	54.23	mg/l	250

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*



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TEST REPORT

Sample Number : VTL/WW/02

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : STP Outlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/WW/2406280002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	APHA: 9221 C: 2023	92	MPN/100 ml	---

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*



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RK Yadav

Lab Incharge

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# Sewage Treatment Plant

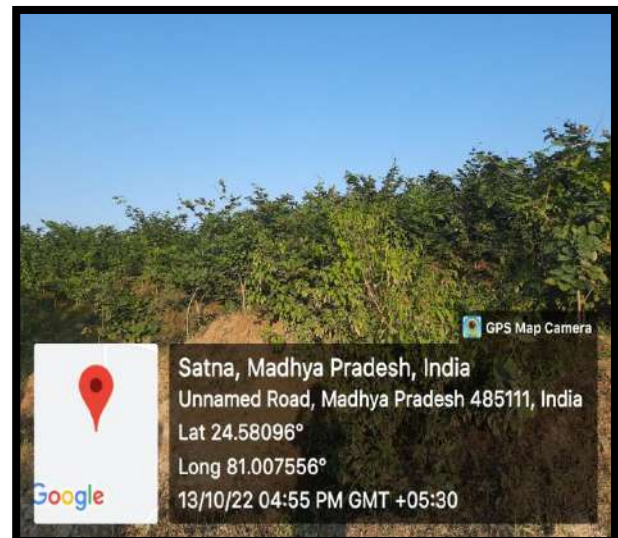
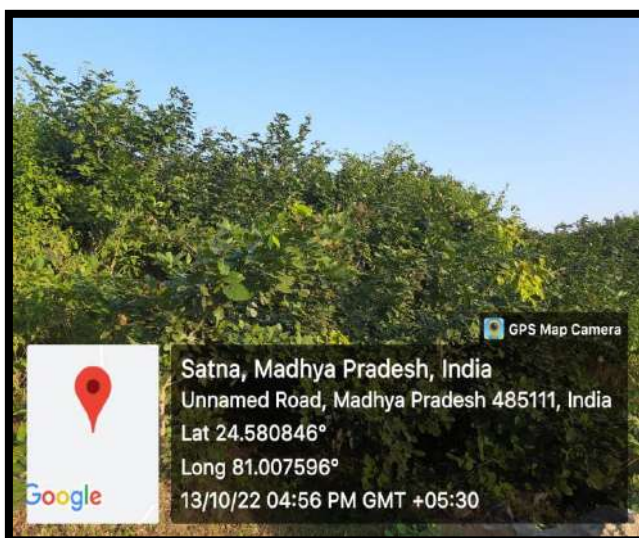
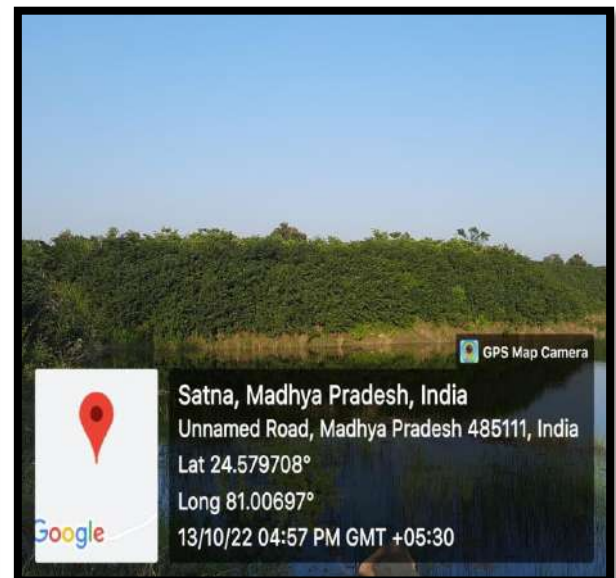
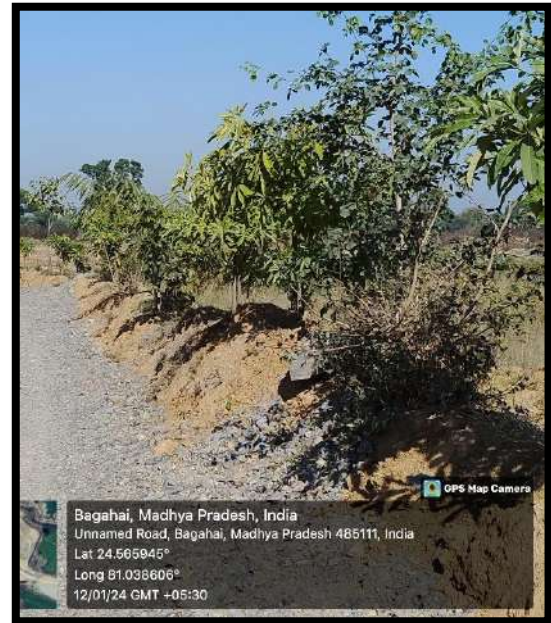
## Capacity – 600 KLD



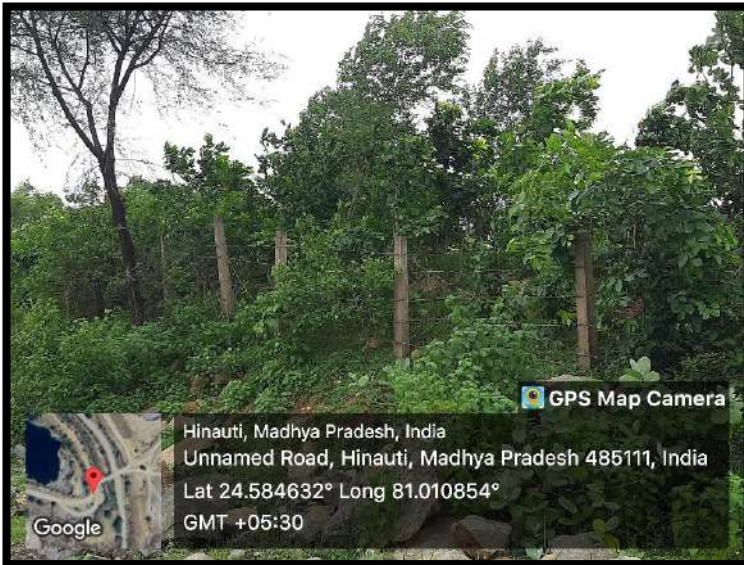
## Green Belt Development













भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	M/s Prism Cement Ltd.		
Project Address:	M/s Prism Cement Ltd.		
Village:	Mankahari	Block:	Rampur Baghelan
District:	Satna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	M/s. Prism Johnson Limited, Rajdeep, Rewa Road,, Satna, Rampur Baghelan, Satna, Madhya Pradesh - 485111		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1.	NOC No.:	CGWA/NOC/IND/REN/3/2023/8656					2.	Date of Issuance		05/12/2023					
3.	Application No.:	21-4/25/MP/IND/2008					4.	Category: (GWRE 2022)		Semi Critical					
5.	Project Status:	Existing Ground Water					6.	NOC Type:		Renewal					
7.	Valid from:	12/09/2022					8.	Valid up to:		11/09/2025					
9.	Ground Water Abstraction Permitted:														
Fresh Water			Saline Water				Dewatering			Total					
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
1270.00		463550.00													
10.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:12								Total Proposed No.:0							
			DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*			0	0	12	0	0	0	0	0	0	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
11.	Ground Water Abstraction/Restoration Charges paid (Rs.):								5153600.00						
12.	Environment Compensation (if applicable) paid (Rs.):								0.00						
13.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers			Monitoring Mechanism						
								Manual	DWLR**		DWLR With Telemetry				
**DWLR - Digital Water Level Recorder					2			0	1		1				

**(Compliance Conditions given overleaf)**

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये  
SAVE WATER - SAVE LIFE

CENTRAL GROUND WATER AUTHORITY

---

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: [cgwa-noc.gov.in](http://cgwa-noc.gov.in)

पानी बचाये – जीवन बचाये  
SAVE WATER - SAVE LIFE



Validity of this NOC shall be subject to compliance of the following conditions:

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
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- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
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- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
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- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
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- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**

## CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation  
Ministry of Jal Shakti, Govt. of India

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: [cgwa-noc.gov.in](http://cgwa-noc.gov.in)

**पानी बचाये – जीवन बचाये**  
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# Receipt

(As per the guideline Gazette Notification S.O. 3281(E) regarding the New Guidelines dated 24.09.2020 of CGWA, MoJS, Govt. of India)  
<https://cgwa-noc.gov.in>

Application No.:	21-4/25/MP/IND/2008	Date of Issuance:	05/12/2023
Name of Firm:	M/S PRISM CEMENT LTD.		
AppType Category:	Cement Industry		
Application Type:	Industrial		
PAN/GSTIN No. of Firm/Individual:	/		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	5000.00
2.	Ground Water Abstraction /Restoration charges	5153600.00
3.	Environmental Compensation Charges (ECRGW) (Date From to ) Days-	
4.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	10000.00
Rs. Rupees Fifty One Lakh Sixty Eight Thousand Six Hundred Only		5168600.00

This is an system generated invoice, hence, does not require ink signed.



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)  
**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Prism Cement Limestone Mine (ml Area 772.067 Ha)												
Project Address:	Villages Hinauti And Sihhatta, Tehsil Rampur - Baghelan, District Satna, Madhya Pradesh												
Village:	Hinauti	Block:	Rampur Baghelan										
District:	Satna	State:	Madhya Pradesh										
Pin Code:													
Communication Address:	305 Laxmi Niwas Apartments, Ameerpet, Hyderabad, Amberpet, Hyderabad, Telangana - 500016												
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011												
1. NOC No.:	CGWA/NOC/MIN/ORIG/2024/20351			2. Date of Issuance	5/28/2024 5:14:39 PM								
3. Application No.:	21-4/2005/MP/MIN/2023			4. Category: (GWRE 2023)	Semi Critical								
5. Project Status:	Expansion Of Existing Project			6. NOC Type:	New								
7. Valid from:	13/10/2023			8. Valid up to:	11/10/2025								
9. Ground Water Abstraction Permitted:													
Fresh Water		Saline Water		Dewatering		Total							
m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year						
0.00	0.00			1053.00	384345.00								
10. Details of ground water abstraction /Dewatering structures													
Total Existing No.:0							Total Proposed No.:1						
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Dewatering Structure*	0	0	0	0	0	0	0	0	0	0	1	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps													
11. Ground Water Abstraction/Restoration Charges paid (Rs.):								2306070.00					
12. Environment Compensation (if applicable) paid (Rs.):								0.00					
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers			Monitoring Mechanism									
							Manual	DWLR**	DWLR With Telemetry				
**DWLR - Digital Water Level Recorder	2			0			1	1					

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.



**Validity of this NOC shall be subject to compliance of the following conditions:**

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
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SAVE WATER - SAVE LIFE**

# CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation  
Ministry of Jal Shakti, Govt. of India

## Receipt

(As per the MoJS guidelines dated 24.09.2020 vide SO No. 3289(E) and amendments dated 29.09.2023 vide SO No. 1509(E))  
<https://cgwa-noc.gov.in>

Application No.:	21-4/2005/MP/MIN/2023	Date of Issuance:5/28/2024 5:14:39 PM
Name of Firm:	PRISM CEMENT LIMESTONE MINE (ML AREA 772.067 HA)	
AppType Category:	Limestone	
Application Type:	Mining	
PAN/GSTIN No. of Firm/Individual:	AAACP6224A /	

S N	Description	Amount (Rs.)
1.	Application Processing Fee	10000.00
2.	Ground Water Abstraction charges	
3.	Ground Water Restoration charges	
4.	Environmental Compensation Charges (ECRGW) (Date From to ) Days- 365	
5.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	
6.	Adjustment Charges	
7.	Rebate	
8.	Charges for correction/modification in the existing issued No Objection Certificate	
S.No.	Description	Rate
(i)	Change in User ID	Rs. 1000
(ii)	Change in firm Name	Rs. 5000
(iii)	Extension of No Objection Certificate	Rs. 5000
(iv)	Issuance of duplicate No Objection Certificate	Rs. 5000
(v)	Issuance of corrigendum to No Objection Certificate	Rs. 5000
(vi)	Any other items/correction etc.	Rs. 500
Rs. Rupees Twenty Three Lakh Sixteen Thousand Seventy Only		2316070.00

This is an system generated invoice, hence, does not require ink signed.

Term and conditions:

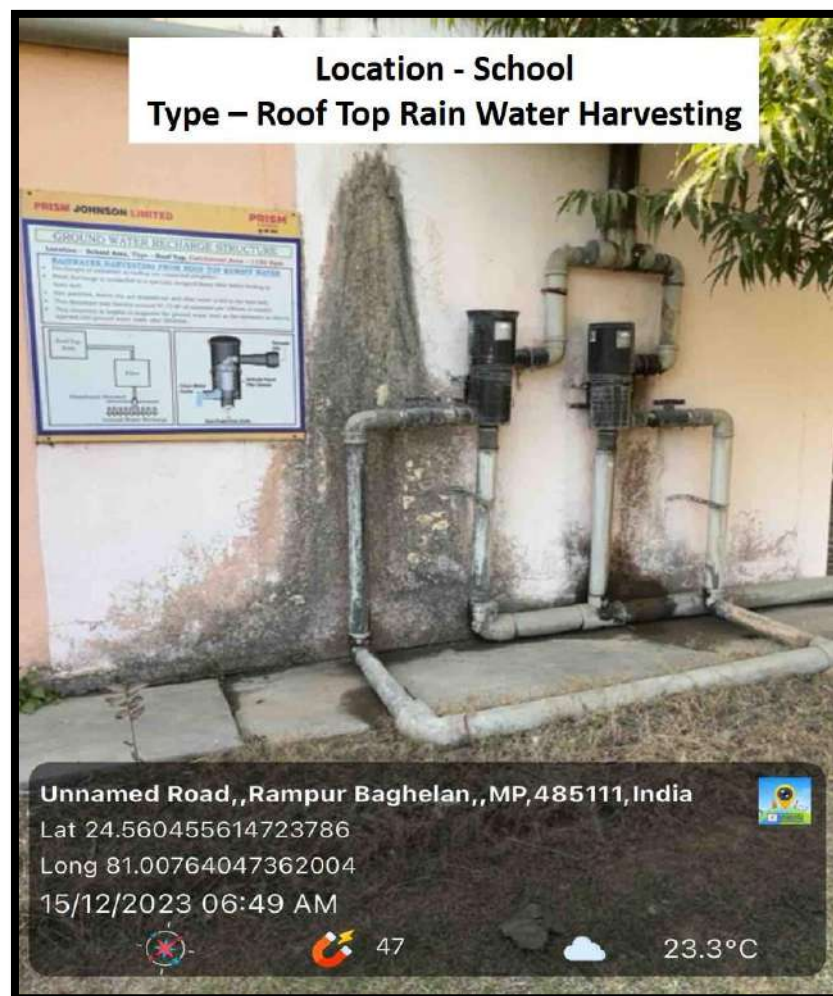
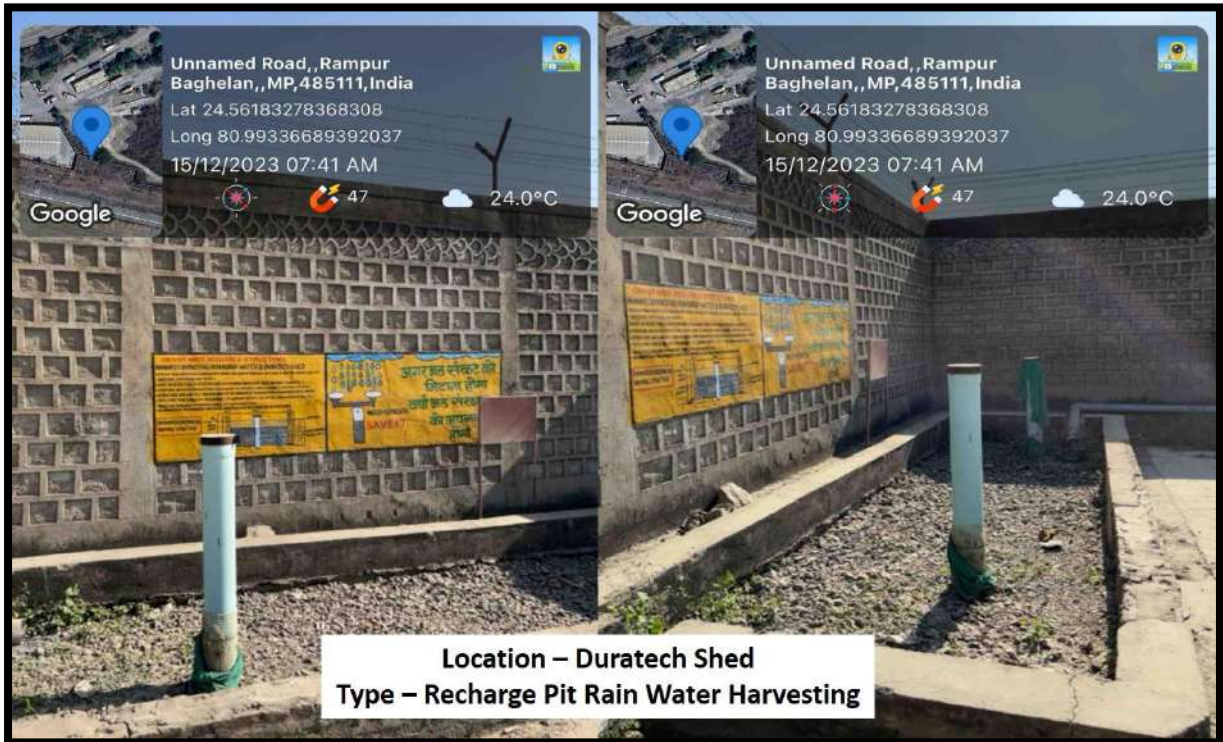
- i. All disputes are subject to Delhi Jurisdiction.
- ii. Any complaint in regard to the rates will not be entertained.

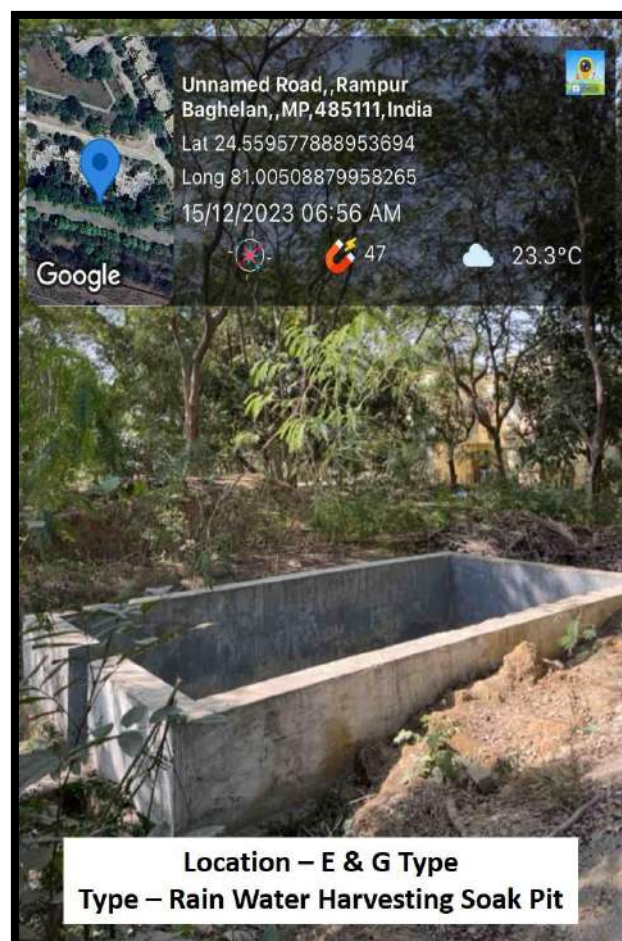
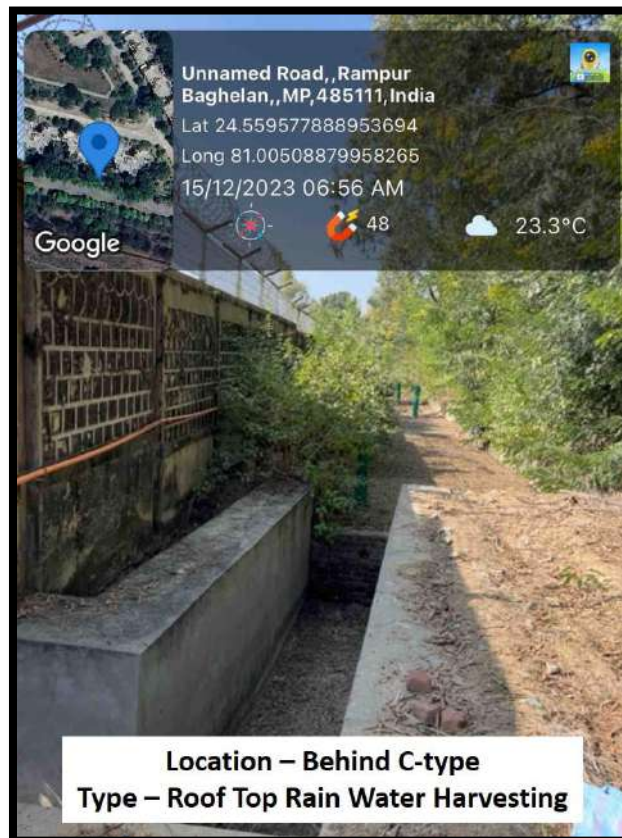
Member-Secretary  
CGWA, New Delhi

CENTRAL GROUND WATER AUTHORITY

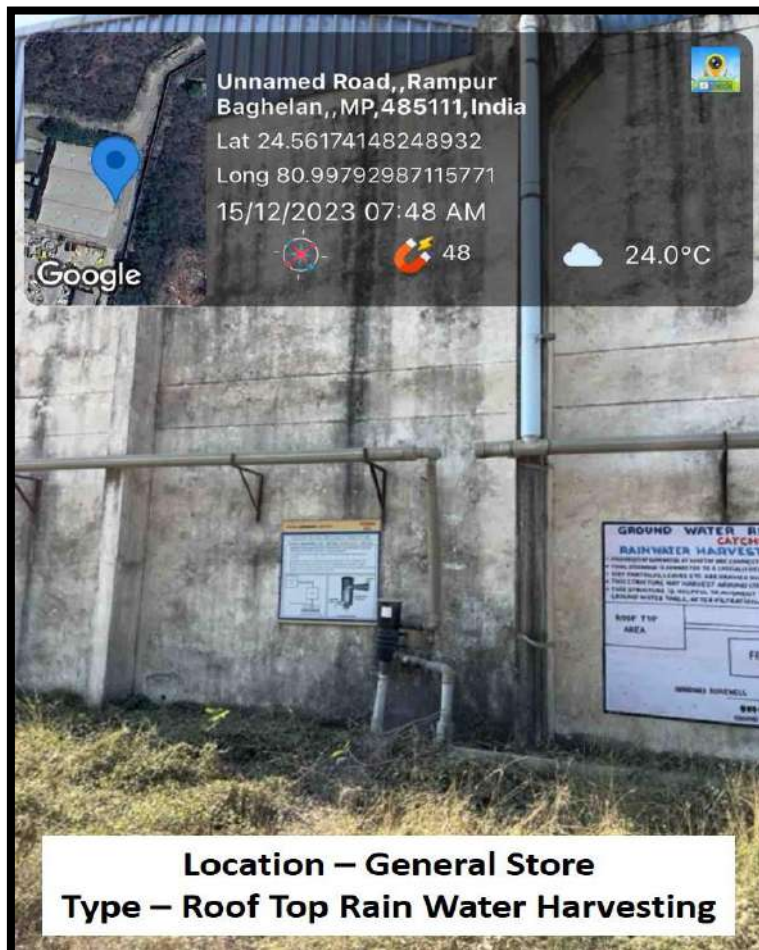


## Rainwater Harvesting structure photographs

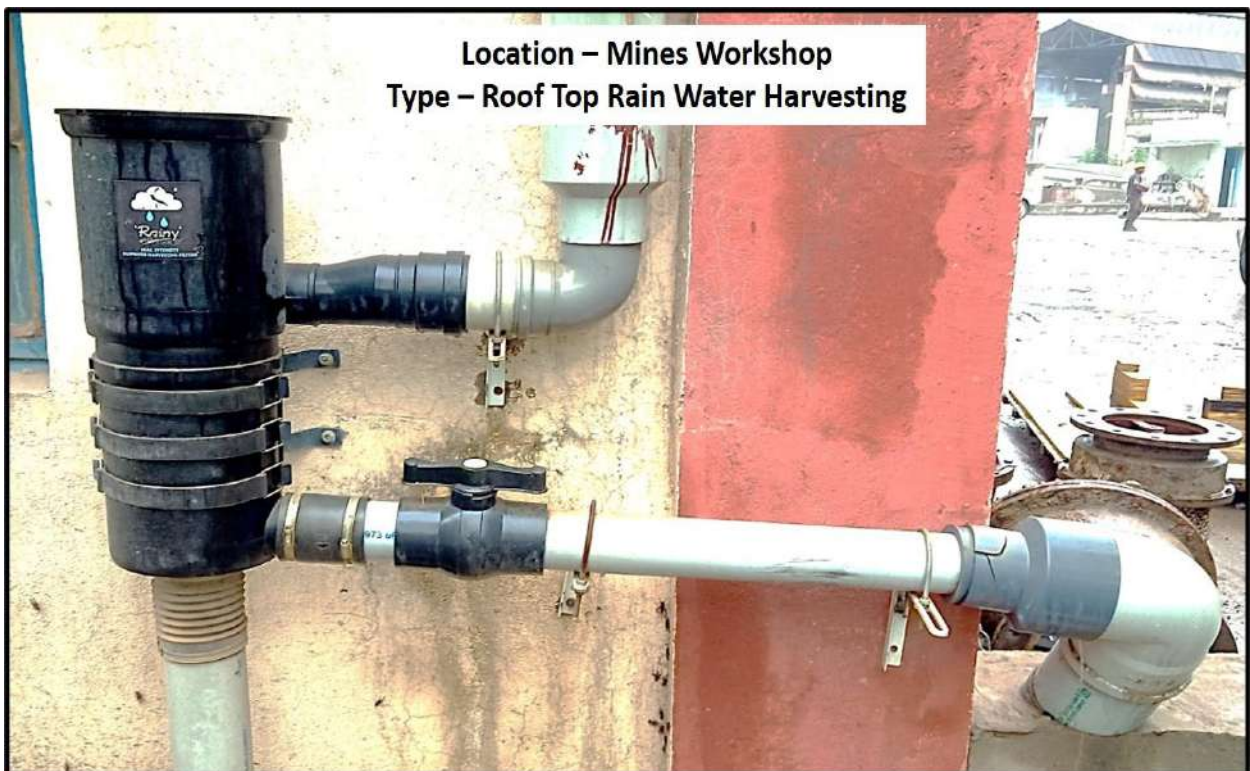




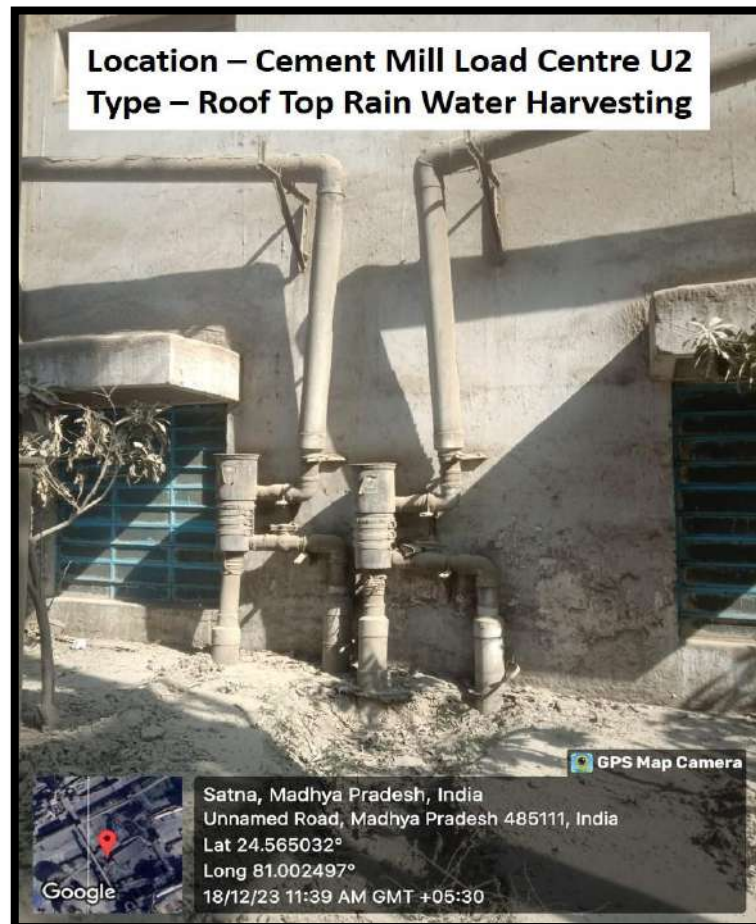


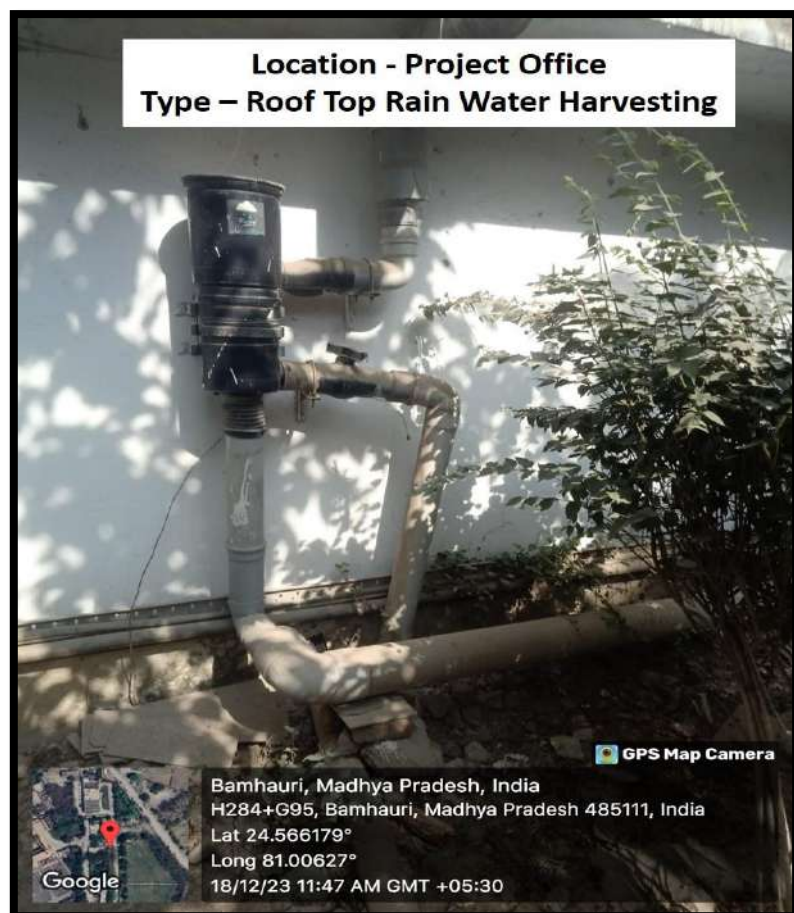
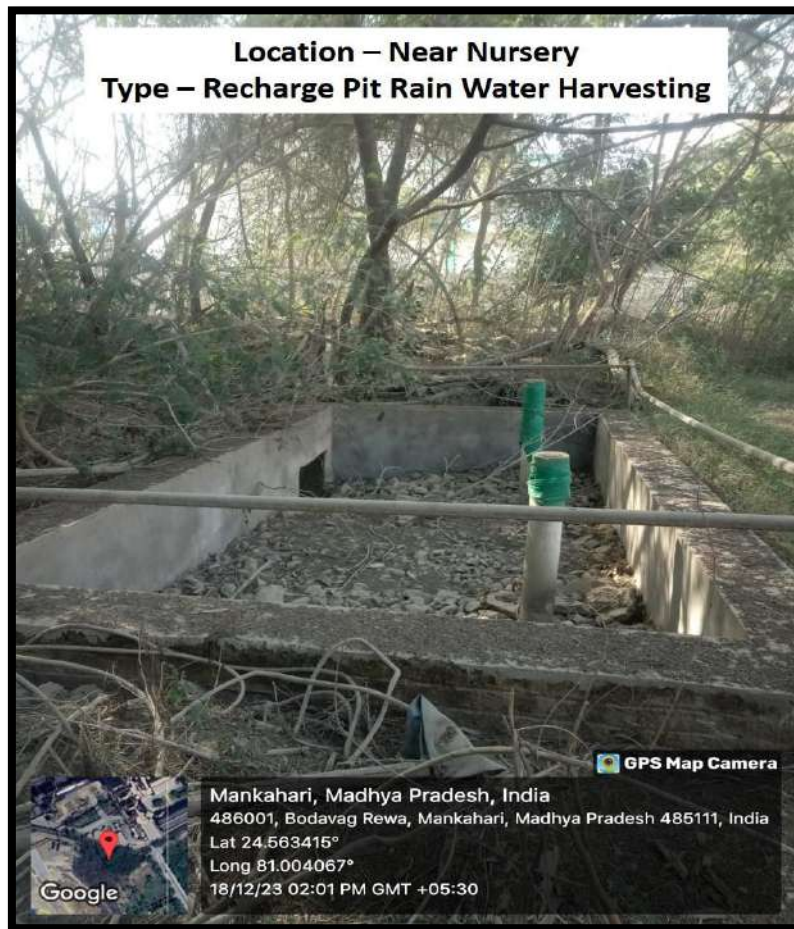
















***At DIC Land***



***At Cafeteria***





***Behind B-type***



*Rainwater harvesting measures Action Plan for the augmentation of ground water at cement plant, colony and mine site of Prism Cement Limited.*

### 1. INTROCUCTION:

The Limestone Mine of M/s. Prism Cement Ltd. is near villages Hinauti&Sijhatta in district of Satna, Madhya Pradesh. The area is in Vindhyan Limestone/shale formations, where Limestone is bearing mined from mining lease areas of 772.067 Ha. 117.594 Ha. 512.317 Ha. 99.416 Ha., amongst other mining leases. As per the conditions of the Environment Clearance, a plan was protection of natural water courses passing nearby Prism Cement Ltd. Leases was to be prepared and submitted.

The natural water courses under the present plan comprise Tamas River, Nar Nala and MagardhaNala.

### 2. LAND USE IN THE BUFFER AREA OF THE LEASES:

#### Buffer zone:

The land use of buffer zone is given in Table 1 based on satellite imaginary and census data.

**TABLE NO.1**  
**Land Use / Land Cover Details of Buffer Zone Area**

LAND USE	AREA (in Hectares)	AREA (in %)
River/Canal	634.71	1.32
Ponds/Reservoir	561.73	1.17
Stonsy area	144.16	0.30
Open land	441.36	0.92
Open scrub land	3737.14	7.76
Forest Land	1685.11	3.50
Plantation	2445.89	5.08
Fallow land	29729.69	61.77
Crop land	7542.87	15.67
Human Settlement	706.28	1.47
Industrial Area	75.80	0.16
Mine Quarry	426.75	0.88
<b>Total</b>	<b>48310.49</b>	<b>100</b>

(Source – EIA/EMP)

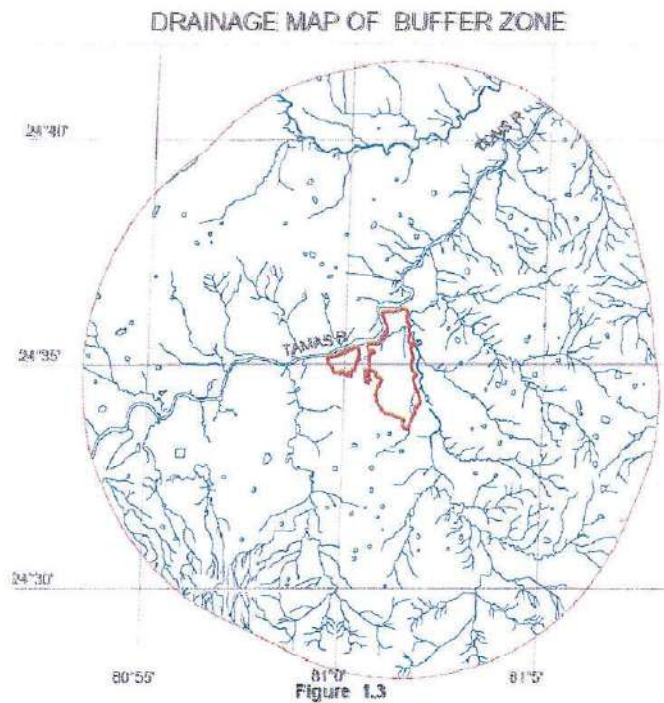
### 3. DRAINAGE:

The Tamas (Tons) River mainly controls the drainage pattern. The none seasonal nalla viz. Magardaha and Nar nala flowing on west and east of the lease area respectively flow towards north and ultimately join the Tamas River. The area is almost flat with gentle slope towards East and Northeast. A substantial part of rainfall in the area drains away as surface run-off,





**FIGURE 3**



#### **4. HYDROMETEROLOGY:**

Madhya Pradesh state is situated within 18° N to 25° N and 74° E to 82° E experiences tropical climate. Frontispieces gives the orographic feature of the state. Geographical location and orographic features have profound influence on the climate of area. As per IMD the year may be divided into four seasons. The winter season from January to February is followed by the summer season from March to May. The period from June to September constitutes the southwest monsoon season and the period from October to December form the post monsoon season.

- 4.1 Rainfall :** Rainfall data of Mine site and Satna IMD station are collected for the project of 2008 to 2014 and given in (Table NO. -2).

TABLE NO.2

Year wise rainfall data (2008 to 2014) : Satna and Mine Site

Month/ Year	2008	2009		2010		2011		2012		2013		2014
	Mine Site	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site
Jan	2.0	35.3	12.9	8.8	1.7	0.0	0.0	36.0	32.3	0.0	0.0	38.9
Feb	35.1	0.0	0.0	13.3	5.5	1.0	0.9	0.0	0.0	67.9	45.9	104.3
Mar	1.3	3.6	1.4	0.0	0.0	3.2	0.2	3.6	3.9	34.6	11.5	29.3
Apr	12.0	0.7	3.8	0.0	0.1	0.0	1.1	0.0	0.2	1.8	4.2	8.7
May	12.5	10.5	14.5	18.6	1.6	36.2	7.3	0.0	0.0	0.0	0.0	1.3
Jun	215.6	12.5	25.8	16.9	16.4	313.9	328.6	17.9	15.6	270.4	384.2	90.2
Jul	216.8	173.2	207.6	283.3	228.1	140.2	252.1	380.7	279.7	576.5	338.6	305.2
Aug	220.2	214.9	192.5	198.3	209.7	206.7	289.8	435.0	455.1	414.5	451.6	127.2
Sep	71.5	109.7	152.0	213.5	176.4	205.3	143.9	132.1	169.3	134.9	71.5	193.9
Oct	0.0	72.9	220.4	29.6	13.7	0.0	3.1	15.1	2.5	131.4	143.7	200.7
Nov	20.1	80.9	58.9	11.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9
Total	807.1	716.7	892.7	794.0	662.9	906.5	1027.0	1020.3	958.6	1631.9	1451.2	1121.7

(Source - Mine &amp; Satna Dist.)

## 5. GEOLOGY:

The relevant portion of Geological report of the area have been adapted for present study. Part of compilation done from other references.

### 5.1 Regional Geology

Geologically, this area forms part of the Rewa Plateau belonging to the Upper Vindhyan Supergroup of rock formations in Indian stratigraphy. The Vindhyan formations are broadly classified into lower calcareous and an upper arenaceous facies.

The limestone deposit in the area of investigation belongs to the Bhandar series. The general trend of Bhandar Limestone is East - Northeast to West - Southwest having low southerly dips of less than 50. The litho stratigraphy of Vindhyan formation is given in **Table No.3**



**TABLE NO.3**  
**Litho stratigraphy of Satna District**

Supergroup	Group	Formation
Vindhyan Supergroup	Bhander Group	Maihar Sandstone Sirbu Shale Bhander Limestone
	Rewa Group	Sandstone and shale
	Kaimur Group	Sandstone and shale
	UNCONFORMITY	
	Semri Group	Rohtas Formation Khemjua Formation Porcellance Formation Basal Formation
UNCONFORMITY		
Bundekhand granites/Bijawar phyllites		

## 5.2 Local Geology:

The detailed geological prospecting was carried out by GEM Division of ACC to identify the geological structure in the area and association of different rock types. The lithological succession of various formations encountered in the area of investigations based on the sub-surface data generated is as follows:

Overburden Soil  
Buff to pale grey magnesian limestone  
Upper shaly limestone  
Grey limestone  
Lower shaly limestone  
Grey to grayish grey shale

## 6.0 HYDROLOGY

Hydrology of the area deals with evaporation, infiltration and surface runoff. In the present study infiltration and surface runoff as peak flow will be dealt herein

**6.1 Infiltration:** Infiltration is the flow of water into the ground through the soil surface.

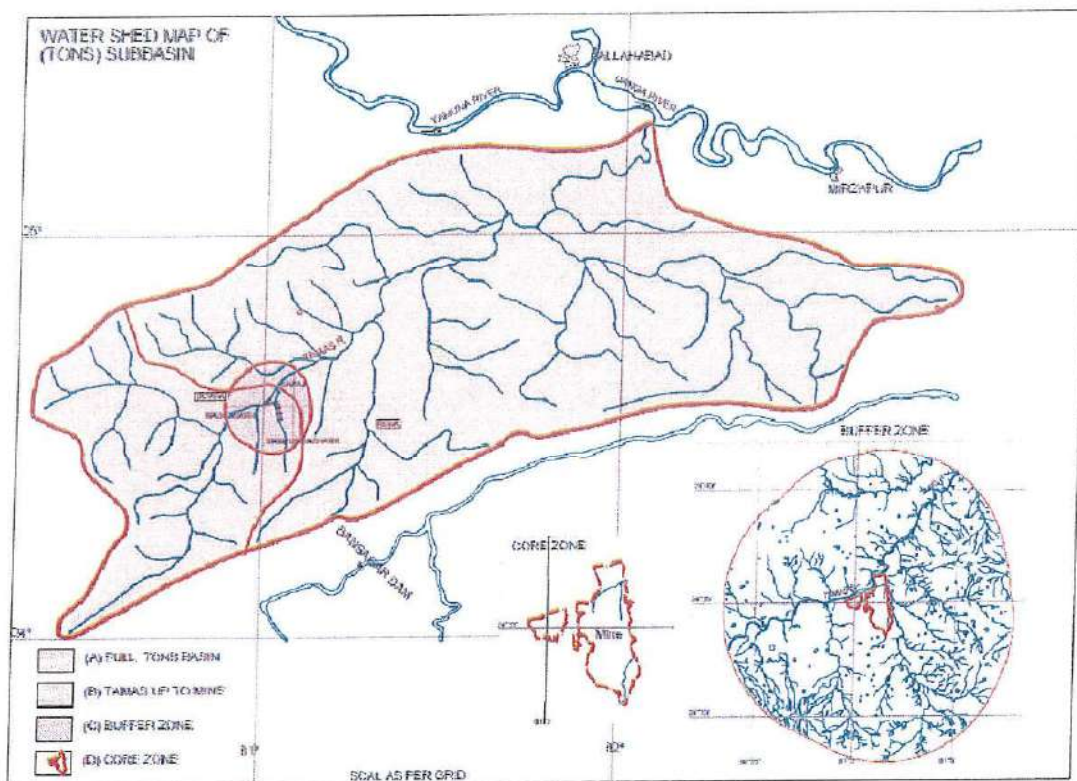
Since infiltrated water may contribute to the groundwater discharge in addition to soil moisture, the process can be schematically modeled. Where two situation, viz. low intensity rainfall and high intensity rainfall are considered. It is recorded that in case of low intensity rainfall, there will be no contribution to groundwater flow. Whereas in the case of high intensity rainfall, there will be contribution to groundwater flow.

## 6.2 Surface Runoff :

Surface water is the component of rainfall, which is generated on-land surface and drain into Nala and pond as surface runoff.

### 6.2.1 Watershed:

The Watershed of the different magnitude have been drawn for the assessment of water resource of respective area. The Watershed have been depicted in Figure below:



## 6.3 Discussion:

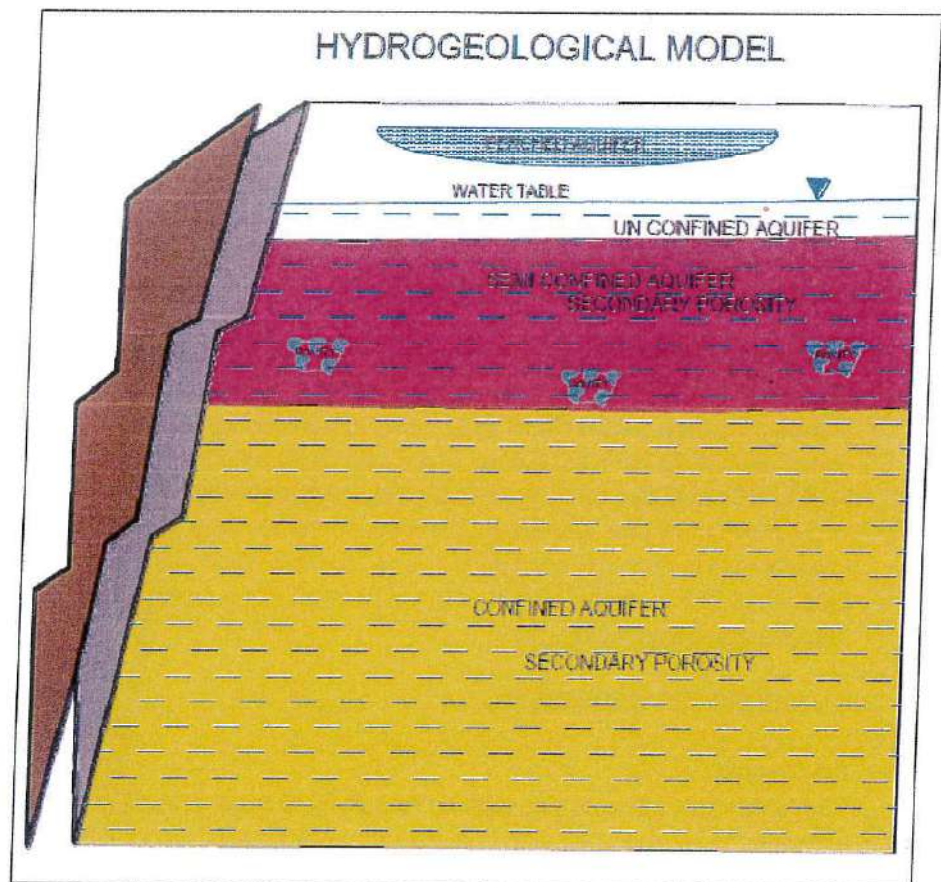
There is no nala within mine lease area hence the diversion of local nala does not arise. Accordingly there will not be negative hydrological impact for the surface runoff in respect of competing users as long as mining operation continues. Mine pit will conserve the entire water resource for optimum utilization. The remaining water in the pit will work as recharge pit for ground

water recharge. The ground water level of nearby area will rise. The competing users will be benefited from this. Thus, the hydrological impact of Mining and construction of mine pit reservoir will be a positive step in respect of conservation of natural resource and their proper utilizations during the non-monsoon period.

## 7.0 HYDROGEOLOGY

### 7.1 Hydrogeological Model:

A hydrogeological conceptual model has been assigned for mainly Vindhyan Limestone and shale surrounding the mining lease area (core zone) and, 10 km radius buffer zone. The aquifers can be categorized in three segments. The conceptual model is depicted in Figure below:



#### 7.1.1 Unconfined Aquifer :



An upper non-indurated unconfined aquifer extend down to maximum depth of 25 m. is recharged annually by monsoon rains and supports the majority of shallow wells serving local populations. At places formation of perched aquifer is noticed with in depth range of 15m. If the underlying strata of small extent but impervious, it will force water contained in overlying porous material to the surface. In many places such water lies for above the ordinary water table and constitutes what is called perched water table of perched aquifer. This aquifer dried before summer every year. Perched water table mislead the general confirmation of deeper water table in the area.

#### **7.1.2 Semi Confined Aquifer:**

An upper weathered bed rock aquifer that irregularly extends beyond 25 m where jointing and minor fracture in limestone and Shale have been exploited within the depth range of 50 m. This support a more consistent supply through the year. The yield of tube wells may range between 1 and 3 liter per seconds. This aquifer may be termed as semi confined aquifer. The occurrence of cavity aquifer in kast topography is not un-common.

#### **7.1.3 Confined Aquifer:**

A typical fracture rock aquifer extend down to depth of 100m where secondary porosity in form of fault, bedding and lesser fractures control groundwater occurrence and yield 1 to 5 liter per second subject to encounter of cavity aquifer in limestone formation. In general the confined aquifer occurring in this zone where hydraulic conductivity can be variable. In general the maximum yield may be between 1 and 2 liters per second.

#### **7.1.4 Water Level:**

In order to understand regional and local Hydrogeological regime, the well inventory and setting of observation wells have been done at the locations marked in Key Plan (**Fig-6.4**). The water level data for 10 km buffer zone, are given in **Table 6.3** respectively. The depth to water level in the area in pre monsoon varies between 8.00 m bgl and 25.00 m bgl average being 12.00 m bgl. The depth to water level in post monsoon period varies between 5.00 m bgl and 20.00 m bgl average being 8.00 m bgl. Annual water level fluctuation pre & post monsoon varies between 3.00 and 5.90 m. The average being 4.5 m.

### **8.0 RAINWATER HARVESTING**

#### **8.1 General :**

Rain water harvesting can be defined as activity of direct collection of Rainwater and storage of rainwater as well as other activity aimed at harvesting and conserving surface and ground water preventing loss through evaporation and seepage and other hydrological studies and engineering inventions aiming at most efficient utilization of rainwater towards best use for the humanity. The detail project report for rainwater harvesting is given below incorporating; source, area, design of individual structure within mine lease area and outside.

## 8.2 Source of Water:

The source of water available for rainwater harvesting is only surfacewater. The resource estimation for lease area has been done considering total lease area of 10.25 km<sup>2</sup> (7.72 km<sup>2</sup> + 2.53 km<sup>2</sup>). Monsoon normal rainfall 0.973 m and surface runoff coefficient of 0.40. The estimated surface water resource will be 3.99 MCM out of this 0.58 MCM will be used in plant & mine. The mine water discharge will be zero. It is expected that remaining estimated resource 3.41 MCM will be available for recharge to the system and future use. CGWA while granting ground water had laid condition for implementation of ground water recharge measure to the tune of 1.206 MCM/year for augmenting the ground water resource of the area.

### 8.2.1 Identification of area:

The areas identified within lease area are given in Table below:

Sr. No.	Identification of area	Unit
1	Surface water reservoir in the Mined out area as recharge pond.	3 Nos
2	Check dam on Nar nadi.	8 Nos
3	Office and residential building area for Rooftop rainwater harvesting	10 Nos
4	Lease area (side of retention wall) of dump for recharge pit with shaft structure	4 Nos
5	Recharge trench in colony area.	500 m
6	In the colony area away from mine for Gravity head recharge tubewell.	10 Nos

### 8.2.2 Surface water reservoir:

There will be three surface water reservoir as suggested in mine plan. Two mine out Pit reservoir is already working and hold rainwater to the tune of 1.62 MCM to meet the water requirement of plant and will also recharge the groundwater in the area.





## **9.0 CONCLUSION AND RECOMMENDATION:**

All details are taken from Report on hydrolological studies for the lease area of 772.067 ha. The measures as above will help augmentation of ground water recharge in the area. The plan can be suitably amended to accommodate government run schemes and new techniques available from time to time.

S. No.	Land use type	Runoff Coefficient (As per CGWB Guidelines)	Rainfall	Area M2	Total Recharge 2024 -25 (till Sept'24)
1	Roof - Project office	0.85	1.107	386	363.14
2	Roof - School	0.85	1.107	1150	1081.89
3	Roof of MRSS	0.85	1.107	1900	1787.47
4	Roof of Cement Mill Load Center U2	0.85	1.107	1100	1034.85
5	Roof General Store	0.85	1.107	2000	1881.54
6	Cooler Load Centre U1	0.85	1.107	1100	1034.85
7	Cooler Load Centre U2	0.85	1.107	1000	940.77
8	Durtech shed	0.85	1.107	800	752.62
9		0.85	1.107	30000	28223.15
10	Packing Plant Unit I	0.85	1.107	375	352.79
11	Packing Plant Unit II	0.85	1.107	1500	1411.16
12	Mines Workshop	0.85	1.107	468	440.28
13	Ground water recharge with abandoned bore well near steel yard	0.85	1.107	40000	37630.86
14	Groundwater Recharge with Abandoned Bore well - 1	0.2	1.107	10000	2213.58
15	Groundwater Recharge with Abandoned Bore well - 2	0.2	1.107	10000	2213.58
16	Groundwater Recharge with Abandoned Bore well - 3 (Near Kiln)	0.2	1.107	2500	553.40
17	Groundwater Recharge Pit Connected with Storm Drain - A type Colony	0.85	1.107	9746	9168.76
18		0.3	1.107	17307	5746.56
19	Groundwater Recharge Pit Connected with Storm Drain - Near Nursery	0.85	1.107	22828	21475.93
20		0.3	1.107	47748	15854.10
21	Runoff Water Harvesting Structure Behind C-Type	0.65	1.107	30000	21582.41
22	New security Barrack	0.65	1.107	10000	7194.14
23	Near E & G Type Colony	0.65	1.107	30000	21582.41
24	Near DIC Land	0.65	1.107	10000	7194.14
25	Cafeteria RWH	0.65	1.107	10050	7230.11
26	Behind B-Type	0.65	1.107	10000	7194.14
<b>TOTAL RECHARGE</b>					206138.59

<b>Roof top rainwater harvesting structures</b>
<b>Abandoned Borewell</b>
<b>Ground water recharge -Storm Drain</b>

भारत सरकार  
खान मंत्रालय  
भारतीय खान ब्यूरो  
क्षेत्रीय खान नियंत्रक का कार्यालय



GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
O/O REGIONAL CONTROLLER OF MINES

जबलपुर, दिनांक : 20 / 12 / 2021

F.No. MP/Satna/Limestone/RMP-50/2021-22

To,

✓ Shri Vivek Krishan Agnihotri,  
Nominated Owner,  
M/s Prism Johnson Limited  
"Rahejas" 2<sup>nd</sup> floor,  
Main Avenue, V.P. Road,  
Santacruz (W) Mumbai - 400054

विषय:- मध्य प्रदेश राज्य के सतना जिले में स्थित आपकी प्रिज्म सीमेंट लाइमस्टोन खान (क्षेत्र 99.416 हे०) जो कि ग्राम हिनौती एवं सिजेहटा में अवस्थित है के एमसीआर- 2016 के नियम 17 (1) के अंतर्गत जमा किए गए अनुमोदित खनन योजना के पुनर्विलोकन का अनुमोदन।

- संदर्भ :-1) आपका पत्र क्रमांक PCL/MIN/2021-21023 dated 29/10/2021, Received in this office on 03/11/2021 भारतकोष द्वारा जमा प्रक्रिया शुल्क की रसीद संख्या 2409210015324 dt.24/09/2021  
2) इस कार्यालय का समसंख्यक संवीक्षा-पत्र दि०-01 / 12 / 2021  
3) आपका/क्यू पी० का पत्र क्रमांक PCL/MIN/2021-210309 dated 15/12/2021.

महोदय,

In exercise of the powers conferred under Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Amendment Act, 2015 read with Government of India Order no. S.O.1857(E), dated 18/05/2016, I hereby **Approve** the above said Review of Mining Plan submitted under Rule 17(1) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- 1 The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance (FA) furnished by you for Rs. 1,15,02,000/- (Rs. One Crore Fifteen Lakh Two Thousands only) is valid up to 31/03/2027 and next FA shall be submitted on or before 31/03/2027..
- 7 If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately
- 8 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved review of mining plan under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.
- 9 This approval is restricted in respect of proposals given in the document for the period 2022-23 to 2026-27 with a validity up to 31/03/2027, subject to all other statutory clearances.
- 10 The next Review of Mining Plan will be due for submission on 01/10/2026.

संलग्न:-अनुमोदित पुनर्विलोकन खनन योजना की एक प्रति के साथ।

भवदीय,

*(Signature)*

(पुखराज नेगवाल)

क्षेत्रीय खान नियंत्रक  
भारतीय खान ब्यूरो, जबलपुर

20/12/2021



भारत सरकार  
खान मंत्रालय  
भारतीय खान भूरो  
क्षेत्रीय खान नियंत्रक का कार्यालय



रजिस्टर्ड पारसल द्वारा  
GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
D/O THE REGIONAL CONTROLLER OF MINES

फा0 सं0 - MP/Satna/Limestone/RMP-39/2019-20

जबलपुर, दिनांक 31/03/2020

प्रति,

भे0 प्रिन्स जॉनसन लिमिटेड,

"राजदीप" सीवा रोड,

जिला - सतना, ( म0प0 ) 485001

विषय- म0प0 राज्य के सतना जिले में स्थित आपकी प्रिन्स सीमेंट लाइमस्टोन खान (क्षेत्र 772.067 हे0)  
के एमसीआर- 2016 के नियम 17 (1) के अंतर्गत जमा किए गए खनन योजना के पुनर्विलोकन  
का अनुमोदन।

संदर्भ :-1) आपका/व्यु पी0 का पत्र क्रमांक -PCL/MIN/2019-19289, दि0 24/12/2019, प्रक्रिया  
शुल्क की रसीद संख्या J/089, दि0 29/01/2020 ।  
2) इस कार्यालय का समसंख्यक पत्र दि0- 03/03/2020 ।  
3) आपका/व्यु पी0 का पत्र क्रमांक -PCL/MIN/2020, दि0 11/03/2020 ।

महोदय,

In exercise of the powers conferred by the Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Amendment Act, 2015 read with Government of India Order no. S.O.1857(E), dated 18/05/2016, I hereby approve the above said Review of Mining Plan including Progressive Mine Closure Plan submitted under Rule 17(1) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- 1 The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs. 5,49,00,000/- (Rs. Five Crore Forty Nine Lakh only) is valid up to 31/03/2025 and next Financial Assurance shall be submitted on or before 31/03/2025.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2020-21 to 2024-25 with validity up to 31/03/2025, from the date of approval, subject to all other statutory clearances.
- 8 If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.
- 9 The next Review of Mining Plan will be due for submission on 01/10/2024.
- 10 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.

संलग्न-अनुमोदित पुनर्विलोकन खनन योजना की एक प्रति के साथ।

भवदीय,

*(Signature)*  
31/03/2020

( रजनीश पुरोहित )  
क्षेत्रीय खान नियंत्रक  
भारतीय खान भूरो, जबलपुर

By e-mail

**GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
OFFICE OF THE REGIONAL CONTROLLER OF MINES, JABALPUR**

**No. E 10308 MCDR-MPC0LST/11/2024-JBP-IBM\_RO\_JBP**

Dt : 29/05/2024

Shri/M/s. PRISM JOHNSON LIMITED ,  
305, LAXMI NIWAS APARTMENTS AMEERPET HYDERABAD, MENDHI LIMESTONE MINE 117594HECT (38MPR35314) (46412701)

**Sub** Approval of Review of Mining Plan in respect of Mendhi Limestone Mine over an area of 117.594 Hect; situated in Mendhi Village,  
: Rampur Baghelan Taluka, Satna District of Madhya Pradesh State.

References: 1) Draft Review of Mining plan received on MPAS, dated – 01/03/2024  
2) This office scrutiny comments dated – 13/04/2024, 13/05/2024 & 28/05/2024  
3) Final copy of Review of Mining Plan received on MPAS, dated – 29/05/2024

Sir,

In exercise of the powers conferred under Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Act, 1957 as amended from time to time notified thereunder read with Government of India Order no. S.O.1857(E), dated 18/05/2016, I hereby **Approve** the above said Review of Mining Plan submitted under Rule 17(2) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016 as amended from time to time notified thereunder. This approval is subject to the following conditions: -

1. The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
2. The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the lessee and is applicable from the date of approval.
3. It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act 1957, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
4. Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the lessee.
5. At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
6. If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.
7. In case of the mining lease is declared as 'Lapsed' by the State Government, under provision of Section 4A(4) of MMDR Act 1957 (as amended up to 28th March, 2021) read with Rule 20 of the Mineral (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016 notified on 02/11/2021, at any course of time, the approval of Review of Mining Plan will stand revoked immediately without any further correspondence".
8. The Financial Assurance furnished by you is **Rs. 3,13,80,000/-** (Rs. Three Crore Thirteen Lakh Eighty Thousand Only) is **valid up to 31/03/2026** and next Financial Assurance shall be submitted on or before **31/03/2026**.
9. This approval is restricted in respect of proposals given in the document **for the period 2024-25 (from the date of approval) to 2025-26, with validity up to 31/03/2026**, subject to all other statutory clearances.
10. It shall be mandatory to project proponent, abstracting ground water to obtain **No objection certificate** from Central Ground Water Authority or the M.P. State Ground Water Authority.

Yours faithfully,

**( Pukhraj Nenival )**

**Regional Controller of Mines**

**Indian Bureau of Mines, Jabalpur**

Copy for information to-

1. The Director of Geology and Mining, Govt. of Madhya Pradesh, Khaniz Bhawan, 29A Arera Hills, Jail Road, Bhopal (MP).
2. The Controller of Mines (CZ), Indian Bureau of Mines, Nagpur.
3. The District Collector, Satna (M.P.)
4. Shri Amit Biswas, M/s Prism Johnson Ltd. Rajdeep, Rewa Road, Satna (M.P.) 485001; E-mail - [amit.biswas@prismjohnson.in](mailto:amit.biswas@prismjohnson.in)
5. Shri Santosh Kumar, M/s Prism Johnson Ltd. Rajdeep, Rewa Road, Satna (M.P.) 485001; E-mail - [santosh.kumar@prismjohnson.in](mailto:santosh.kumar@prismjohnson.in)

**( Pukhraj Nenival )**

**Regional Controller of Mines**

**Indian Bureau of Mines, Jabalpur**

MENDHI LIMESTONE MINE 117594HECT (38MPR35314) (46412701)



**Table no. 1. ML area 772.067 Ha. (Hinauti&Sijahata)**

**Present Dumps status as per Mining Plan**

Dump No.	Location of Dump	Present Height of Dump (m)	Slope of the Dump
S1	300E to 400E and 80N to 220N	2.0	24
S2	410E to 880E and 210N to 350N	6.0	27
S3	920E to 1010E and 320N to 360N	0	-
S4	1060E to 1220E and -60N to 320N	0	-

**Table no. 2. ML area 99.416 Ha. (Hinauti&Sijahata)**

**Present Dumps statusas per Mining Plan**

Dump No.	Location of Dump	Present Height of Dump(m)	Slope of the Dump
D1	1720E to1810E and -1130N to-1155N	6.0	27
D2	1670E to1720E and -1240N to-1120N	6.7	27.5

**Table no. 3. ML area 117.594 Ha. (Mendhi)**

**Present Dumps status:-Nil**

**PLAN FOR PROTECTION OF THE NATURAL WATER COURSE PASSING NEARBY**  
**PRISM CEMENT LIMITED LEASE AREAS**

**1. INTROCUCTION:**

The Limestone Mine of M/s. Prism Johnson Ltd. is near villages Hinauti & Sijhatta in district of Satna, Madhya Pradesh. The area is in Vindhyan Limestone/shale formations, where Limestone is bearing mined from mining lease areas of 772.067 Ha. 117.594 Ha. 512.317 Ha. 99.416 Ha., amongst other mining leases. As per the conditions of the Environment Clearance, a plan was protection of natural water courses passing nearby Prism Cement Ltd. Leases was to be prepared and submitted.

The natural water courses under the present plan comprise Tamas River, Nar Nala and Magardha Nala.

**2. LAND USE IN THE BUFFER AREA OF THE LEASES:**

**Buffer zone:**

The land use of buffer zone is given in **Table 1** based on satellite imaginary and census data.

**TABLE NO.1**  
**Land Use / Land Cover Details of Buffer Zone Area**

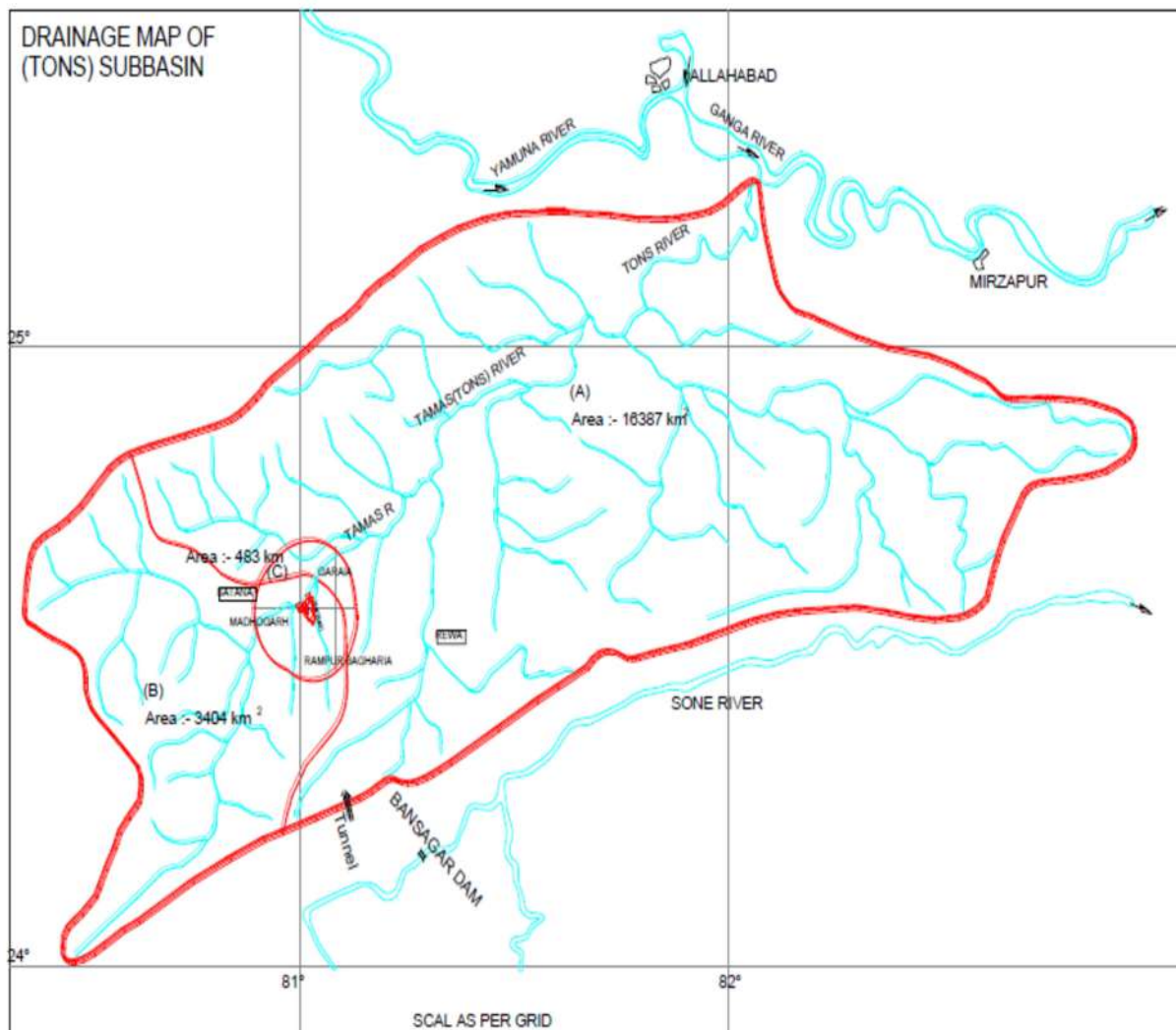
<b>LAND USE</b>	<b>AREA (in Hectares)</b>	<b>AREA (in %)</b>
River/Canal	634.71	1.32
Ponds/Reservoir	561.73	1.17
Stonsy area	144.16	0.30
Open land	441.36	0.92
Open scrub land	3737.14	7.76
Forest Land	1685.11	3.50
Plantation	2445.89	5.08
Fallow land	29729.69	61.77
Crop land	7542.87	15.67
Human Settlement	706.28	1.47
Industrial Area	75.80	0.16
Mine Quarry	425.75	0.88
<b>Total</b>	<b>48310.49</b>	<b>100</b>

(Source – EIA/EMP)

### 3. DRAINAGE:

The Tamas (Tons) River mainly controls the drainage pattern. The none seasonal nalla viz. Magardaha and Nar nala flowing on west and east of the lease area respectively flow towards north and ultimately join the Tamas River. The area is almost flat with gentle slope towards East and Northeast. A substantial part of rainfall in the area drains away as surface run-off, along streamlets towards the Northeast to the Tamas River. The drainage map of Tamas (Tons) sub basin of Ganga basin is depicted in **Figure 2**. The drainage pattern of buffer zone (part of Tamas sub basin) is also given in **Figure 3**.

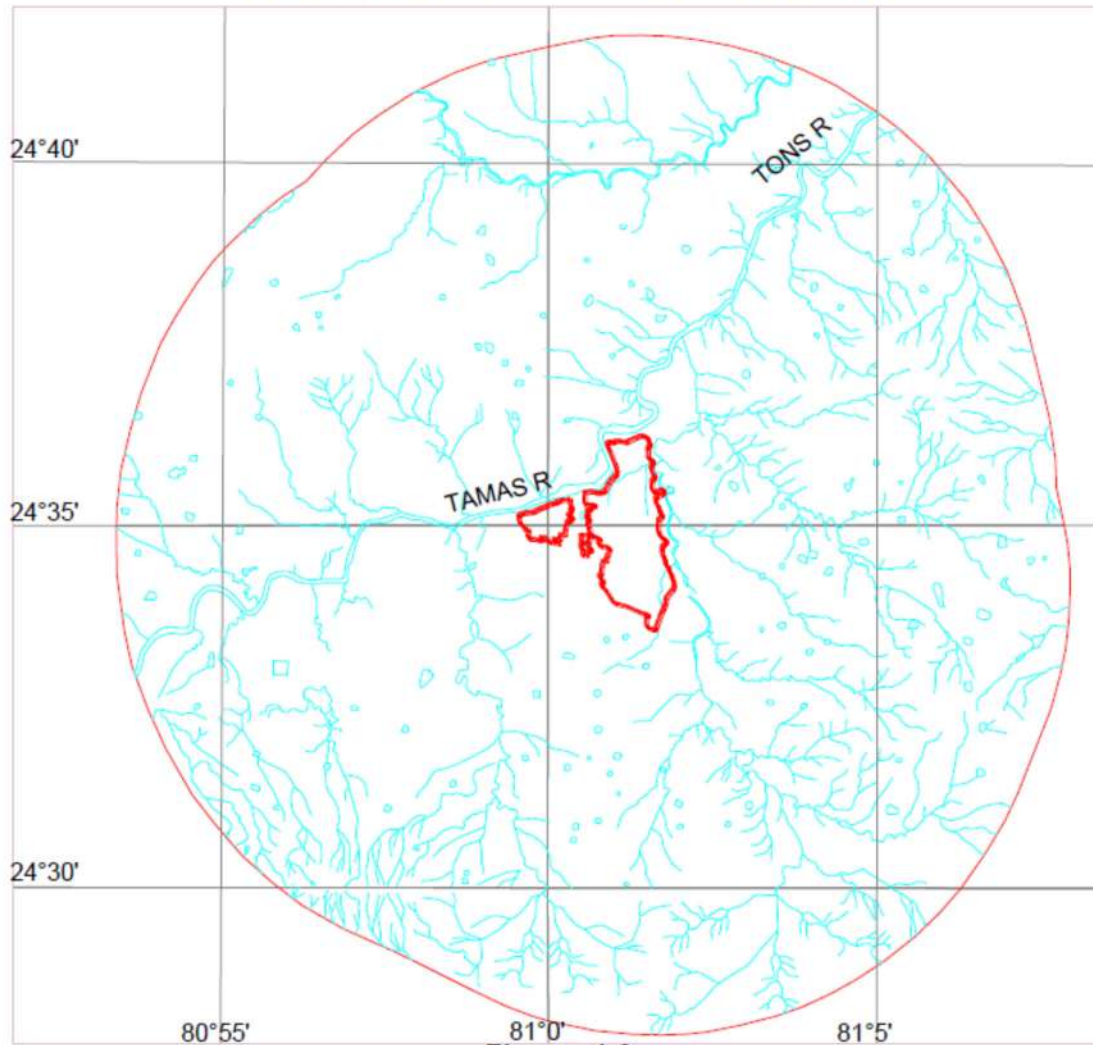
**FIGURE 2**





**FIGURE-3**

**DRAINAGE MAP OF BUFFER ZONE**



**Figure 1.3**

**4. HYDROMETEROLOGY:**

Madhya Pradesh state is situated within 180 N to 250 N and 740 E to 820 E experiences tropical climate. Frontispieces gives the orographic feature of the state. Geographical location and orographic features have profound influence on the climate of area. As per IMD the year may be divided into four seasons. The winter season from January to February is followed by the summer season from March to May. The period from June to September constitutes the southwest monsoon season and the period from October to December form the post monsoon season.

4.1 **Rainfall** : Rainfall data of Mine site and Satna IMD station are collected for the project of 2008 to 2014 and given in (**Table NO. -2**).

**TABLE NO.2**  
**Year wise rainfall data (2008 to 2014) : Satna and Mine Site**

Month/ Year	2008	2009		2010		2011		2012		2013		2014
	Mine Site	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site
Jan	2.0	35.3	12.9	8.8	1.7	0.0	0.0	36.0	32.3	0.0	0.0	38.9
Feb	35.1	0.0	0.0	13.3	5.5	1.0	0.9	0.0	0.0	67.9	45.9	104.3
Mar	1.3	3.6	1.4	0.0	0.0	3.2	0.2	3.6	3.9	34.6	11.5	29.3
Apr	12.0	0.7	3.8	0.0	0.1	0.0	1.1	0.0	0.2	1.8	4.2	8.7
May	12.5	10.5	14.5	18.6	1.6	36.2	7.3	0.0	0.0	0.0	0.0	1.3
Jun	215.6	12.5	25.8	16.9	16.4	<b>313.9</b>	<b>328.6</b>	17.9	15.6	270.4	384.2	90.2
Jul	216.8	173.2	207.6	<b>283.3</b>	<b>228.1</b>	140.2	252.1	380.7	279.7	<b>576.5</b>	<b>338.6</b>	<b>305.2</b>
Aug	<b>220.2</b>	<b>214.9</b>	<b>192.5</b>	198.3	209.7	206.7	289.8	<b>435.0</b>	<b>455.1</b>	414.5	451.6	127.2
Sep	71.5	109.7	152.0	213.5	176.4	205.3	143.9	132.1	169.3	134.9	71.5	193.9
Oct	0.0	72.9	220.4	29.6	13.7	0.0	3.1	15.1	2.5	131.4	143.7	200.7
Nov	20.1	80.9	58.9	11.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9
Total	807.1	716.7	892.7	794.0	662.9	906.5	1027.0	1020.3	958.6	1631.9	1451.2	1121.7

(Source - Mine & Satana Dist.)

## 5. GEOLOGY:

The relevant portion of Geological report of the area have been adapted for present study. Part of compilation done from other references.

### 5.1 Regional Geology

Geologically, this area forms part of the Rewa Plateau belonging to the Upper Vindhyan Supergroup of rock formations in Indian stratigraphy. The Vindhyan formations are roadly classified into lower calcareous and an upper arenaceous facies.

The limestone deposit in the area of investigation belongs to the Bhandar series. The general trend of Bhandar Limestone is East - Northeast to West - Southwest having low southerly dips of less than  $5^{\circ}$ . The litho stratigraphy of Vindhyan formation is given in **Table NO.3**

**TABLE NO.3**

**Litho stratigraphy of Satna District**

<b>Supergroup</b>	<b>Group</b>	<b>Formation</b>
<b>Vindhyan Supergroup</b>	<b>Bhander Group</b>	<b>Maihar Sandstone Sirbu Shale Bhander Limestone</b>
	<b>Rewa Group</b>	<b>Sandstone and shale</b>
	<b>Kaimur Group</b>	<b>Sandstone and shale</b>
	<b>UNCONFORMITY</b>	
	<b>Semri Group</b>	<b>Rohtas Formation Khemjua Formation Porcellance Formation Basal Formation</b>
<b>UNCONFORMITY</b> <b>Bundekhand granites/Bijawar phyllites</b>		

## **5.2 Local Geology:**

The detailed geological prospecting was carried out by GEM Division of ACC to identify the geological structure in the area and association of different rock types. The lithological succession of various formations encountered in the area of investigations based on the sub-surface data generated is as follows:

**Overburden Soil**  
**Buff to pale grey magnesian limestone**  
**Upper shaly limestone**  
**Grey limestone**  
**Lower shaly limestone**  
**Grey to grayish grey shale**

## **6.0 SUGGESTED STRUCTURES FOR PROTECTION AND DEVELOPMENT OF NATURAL WATER COURSES:**

### **6.1 RAINWATER HARVESTING**

**6.1.1 General:** Rain water harvesting can be defined as activity of direct collection of Rain



water and storage of rainwater as well as other activity aimed at harvesting and conserving surface and ground water preventing loss through evaporation and seepage and other hydrological studies and engineering inventions aiming at most efficient utilization of rainwater towards best use for the humanity.

The detail project report for rainwater harvesting is given below incorporating; source, area, design of individual structure within mine lease area and outside.

### **6.1.2 Source of Water:**

The source of water available for rainwater harvesting is only surface water. The resource estimation for lease area has been done considering total lease area of 10.25 km<sup>2</sup> (7.72 km<sup>2</sup> + 2.53 km<sup>2</sup>). Monsoon normal rainfall 0.973 m and surface runoff coefficient of 0.40. The estimated surface water resource will be 3.99 MCM out of this 0.58 MCM will be used in plant & mine. The mine water discharge will be zero. It is expected that remaining estimated resource 3.41 MCM will be available for recharge to the system and future use. CGWA while granting ground water had laid condition for implementation of ground water recharge measure to the tune of 1.206 MCM/ year for augmenting the ground water resource of the area.- Source of data, Hydrological Studies Report.

### **6.1.3 Identification of area:**

The areas identified within lease area are given in **Table No.4**

**Table no. 4: Identification of area**

<b>Sr. No.</b>	<b>Identification of area</b>	<b>Unit</b>
1	Surface water reservoir in the Mined out area as recharge pond.	3 Nos
2	Check dam on Nar nadi.	8 Nos
3	Office and residential building area for Rooftop rainwater harvesting	10 Nos
4	Lease area (side of retention wall) of dump for recharge pit with shaft structure	4 Nos
5	Recharge trench in colony area.	500 m
6	In the colony area away from mine for Gravity head recharge tubewell.	10 Nos

These structures in respective areas will augment the ground water table and shall reduce load on the natural water courses for rural utility of irrigation amongst others.

In addition to the measures taken above, the area in proximity to Tamas River, Magardha Nala and Nar Nala will be provided with bunds above and beyond HFL. Safety barrier of 50 meters will be left out permanently. This barrier will be densely planted thus making the water courses totally immune from mining activities. No mine water will be discharged in the natural water courses without de-siltation in the settling ponds.

The garland drains with check dams are constructed all along the peripheries of the lease area. De-siltation of natural water ways up-stream and down-stream, will be undertaken after consultation with the authorities to keep the natural water courses healthy.

Periodical deepening of village ponds and de-siltation of the same will be carried out to augment water bodies in surrounding areas.

## **6. CONCLUSION AND RECOMMENDATION:**

The natural water ways protection plan will be updated to accommodate new ideas and government water development programs. The present plan with all implementation will keep the natural water courses safe and healthy.

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Sample Number : VTL/W/01

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Sijahata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

**TEST REPORT**

TC-11227

ULR No. : TC1122724000001316F

Report No. : VTL/W/2406280001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 &amp; 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.32	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	221.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	53.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	195.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	43.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	21.60	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	580.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	40.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.39	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	11.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.22	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5


  
 Checked by

 RK Yadav  
 Lab Incharge  
 Authorized Signatory
 


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## TEST REPORT



TC-11227

Sample Number : VTL/W/01

ULR No. : TC1122724000001316F

Report No. : VTL/W/2406280001/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

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Sample Number : VTL/W/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample

Sampling Location : Sijahata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT



TC-11227

Sample Number : VTL/GW/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Packing Plant - Unit -2

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000001317F

Report No. : VTL/W/2406280002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	245.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	62.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	192.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	43.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	21.95	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	510.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	43.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.49	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	10.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.27	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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TC-11227

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Sample Number : VTL/GW/02

ULR No. : TC1122724000001317F

Report No. : VTL/W/2406280002/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/02

Name &amp; Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 &amp; 24.564754

Sample Description : Water Sample  
Sampling Location : Packing Plant - Unit -2  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/03  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001318F  
Report No. : VTL/W/2406280003/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Hinauta Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	208.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	55.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	182.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	49.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	17.20	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	610.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	72.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.33	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.23	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/03

ULR No. : TC1122724000001318F  
Report No. : VTL/W/2406280003/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

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Sample Number : VTL/GW/03

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Hinauta Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

Report No. : VTL/W/2406280003/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29):1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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Sample Number : VTL/GW/04  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001319F  
Report No. : VTL/W/2406280004/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Mine Site Office Hinauti Sijahata  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.38	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	175.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	54.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	152.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	42.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	9.79	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	495.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	43.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.33	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	11.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.23	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.20	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

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Sample Number : VTL/GW/04

ULR No. : TC1122724000001319F

Report No. : VTL/W/2406280004/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT

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Sample Number : VTL/GW/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Mine Site Office Hinauti Sijahata

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT



TC-11227

Sample Number : VTL/GW/06

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : PCL Colony Supply Water Borewell Temple 11

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000001320F

Report No. : VTL/W/2406280005/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.33	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	182.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	156.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	45.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	10.27	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	510.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	45.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.36	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.20	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.19	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/06

ULR No. : TC1122724000001320F  
Report No. : VTL/W/2406280005/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/GW/06

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280005/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : PCL Colony Supply Water Borewell Temple 11  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/05

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Mankahari Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

ULR No. : TC1122724000001321F  
Report No. : VTL/W/2406280006/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.38	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	210.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	52.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	166.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	30.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	19.50	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	520.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	47.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.32	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	15.0	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.32	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.24	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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**TEST REPORT**

TC-11227

Sample Number : VTL/GW/05

ULR No. : TC1122724000001321F

Report No. : VTL/W/2406280006/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/05  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280006/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Mankahari Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/07  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001322F  
Report No. : VTL/WI/2406280007/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Badarkha Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	258.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	57.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	215.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	47.36	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	28.14	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	670.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	62.01	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.59	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	17.3	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.24	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



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Sample Number : VTL/GW/07

ULR No. : TC1122724000001322F

Report No. : VTL/W/2406280007/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/07  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

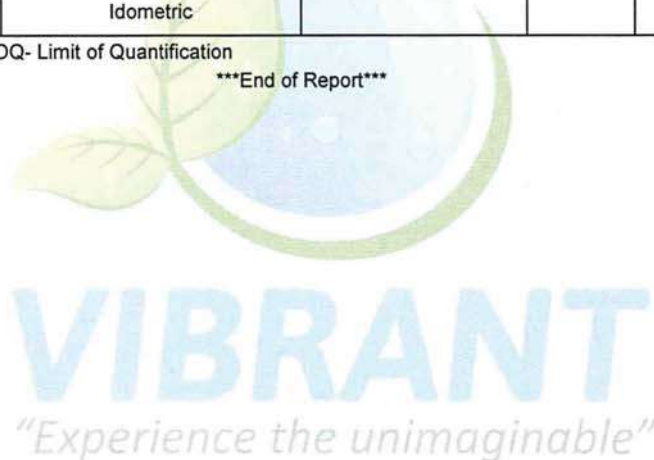
Report No. : VTL/W/2406280007/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Badarkha Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29):1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/GW/08  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001323F  
Report No. : VTL/W/2406280008/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Malgaon Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.45	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	248.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	59.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	184.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	49.8	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	24.49	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	561.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	63.1	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.41	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	18.7	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.34	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/08

ULR No. : TC1122724000001323F

Report No. : VTL/W/2406280008/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

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Sample Number : VTL/GW/08

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Malgaon Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280008/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/GW/09  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001324F  
Report No. : VTL/W/2406280009/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Medhi Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.40	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	229.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	51.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	151.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	50.1	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	24.73	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	578.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	72.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.39	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.85	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.33	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.28	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/09

ULR No. : TC1122724000001324F  
Report No. : VTL/W/2406280009/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/09

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Medhi Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280009/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/10  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001325F  
Report No. : VTL/W/2406280010/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Plant Pump House (Raw Mill Borewell)  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.42	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	242.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	53.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	200.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	119.4	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	26.67	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	490.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	58.3	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.42	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	15.32	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.21	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.31	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/10

ULR No. : TC1122724000001325F  
Report No. : VTL/W/2406280010/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/10  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

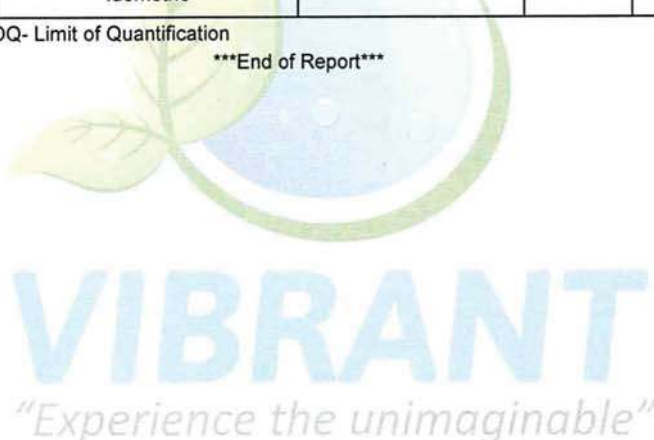
Report No. : VTL/W/2406280010/B  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Plant Pump House (Raw Mill Borewell)  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/GW/11  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001326F  
Report No. : VTL/W/2406280011/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Time Office Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.36	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	310.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	72.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	242.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	96.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	31.68	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	540.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	55.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.51	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	11.62	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.28	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.36	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

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Sample Number : VTL/GW/11

ULR No. : TC1122724000001326F

Report No. : VTL/W/2406280011/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/11

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280011/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Time Office Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/12  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001327F  
Report No. : VTL/W/2406280012/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Limestone Mine Site office D. Water  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.49	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	220.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	162.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	128.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	19.51	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	590.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	52.1	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.53	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	12.4	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.24	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.19	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/12

ULR No. : TC1122724000001327F  
Report No. : VTL/W/2406280012/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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## TEST REPORT

# VIBRANT

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Sample Number : VTL/GW/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280012/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Limestone Mine Site office D. Water  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/12  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001328F  
Report No. : VTL/W/2406280013/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Bagahai Limestone Mine Site office D. Water  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.45	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	192.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	50.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	174.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	114.5	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	16.34	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	510.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	51.4	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.22	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	12.3	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.26	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

**VIBRANT**  
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Sample Number : VTL/GW/12

ULR No. : TC1122724000001328F

Report No. : VTL/W/2406280013/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****Sample Number :** VTL/GW/12**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)**Report No. :** VTL/W/2406280013/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 06/07/2024**Period of Analysis :** 28/06/2024-06/07/2024**Receipt Date :** 28/06/2024**Sampling Date :** 27/06/2024**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.**Coordinates :** 81.998838 & 24.564754**Sample Description :** Water Sample  
**Sampling Location :** Bagahai Limestone Mine Site office D. Water  
**Sample Collected By :** VTL Team  
**Preservation :** Suitable Preservation  
**Method of sampling :** IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

  
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Sample Number : VTL/GW/14

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Water Sample  
Sampling Location : Plant Site Truck Tippler Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

ULR No. : TC1122724000001329F  
Report No. : VTL/W/2406280014/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.46	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	263.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	62.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	225.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	68.1	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	26.32	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	658.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	0.42	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	11.41	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	0.36	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.30	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/14

ULR No. : TC1122724000001329F

Report No. : VTL/W/2406280014/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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TEST REPORT

Sample Number : VTL/GW/14

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280014/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Plant Site Truck Tippler Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Sample Number : VTL/GW/15  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001330F  
Report No. : VTL/W/2406280015/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Hinauti Village - Hand Pump  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.52	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	275.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	59.0	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	226.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	85.4	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	31.05	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	675.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	82.1	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.51	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	14.3	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.21	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.27	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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# TEST REPORT



TC-11227

**VIBRANT**

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Sample Number : VTL/GW/15

ULR No. : TC1122724000001330F

Report No. : VTL/W/2406280015/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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**VIBRANT**  
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TEST REPORT

Sample Number : VTL/GW/15

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Hinauti Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406280015/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS : 3025 (P-8) : 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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Lab Incharge

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Sample Number : VTL/GW/16  
Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC1122724000001331F  
Report No. : VTL/W/2406280016/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Chulhi Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.53	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10) : 2023	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P-21): 2009, RA 2019	265.0	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	57.23	mg/l	75	200
5	Total Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P-23): 2023	195.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	76.1	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 2023	29.70	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 2023	625.0	mg/l	500	2000
9	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P-24): Sec : 1 : 2022	81.0	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.51	mg/l	1.0	1.5
11	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988	15.96	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.24	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03 )	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	2.4
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.28	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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## TEST REPORT



TC-11227

Sample Number : VTL/GW/16

ULR No. : TC1122724000001331F  
Report No. : VTL/W/2406280016/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016 RA: 2021	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
26	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

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## TEST REPORT

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Sample Number : VTL/GW/16

Name & Address of the Party : M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -  
Satna (M.P.)

Report No. : VTL/W/2406280016/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample  
Sampling Location : Chulhi Village - Borewell  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4) : 2021	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
4	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation

\*BLQ-Below Limit Of Quantification, \*\*LOQ- Limit of Quantification

\*\*\*End of Report\*\*\*

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www.vibranttechnolab.com

Sample Number:	VTL/WL/01-11	Report No.:	VTL/WL/ 2406280001-11/B
Name & Address of the Party:	M/s PRISM JOHNSON LIMITED Village- Mankahari, Tehsil- Rampur Baghelan, Dist.- Satna (M.P.)	Format No.:	7.8 F-01
		Party Reference No.:	NIL
Sample Collected By	VTL Team	Report Date:	06/07/2024
Sample Description:	Ground Water Level Monitoring	Receipt Date:	28/06/2024
		Date of Monitoring	26-27/06/2024

S.No.	Location	Depth (In meter)
1.	Near Colony Gate	11.63
2.	Behind B Block colony	02.98
3.	Behind C Block colony	16.21
4.	Near Auto Work Shop	14.26
5.	In Front of Den	13.45
6.	Western Block Mines	09.74
7.	Near New Magazine Mines	12.41
8.	Rose Garden Near Road	08.37
9.	Mines near Ramprasan	11.98
10.	Medhi Mines	13.74
11.	Mankahari Mines	18.41

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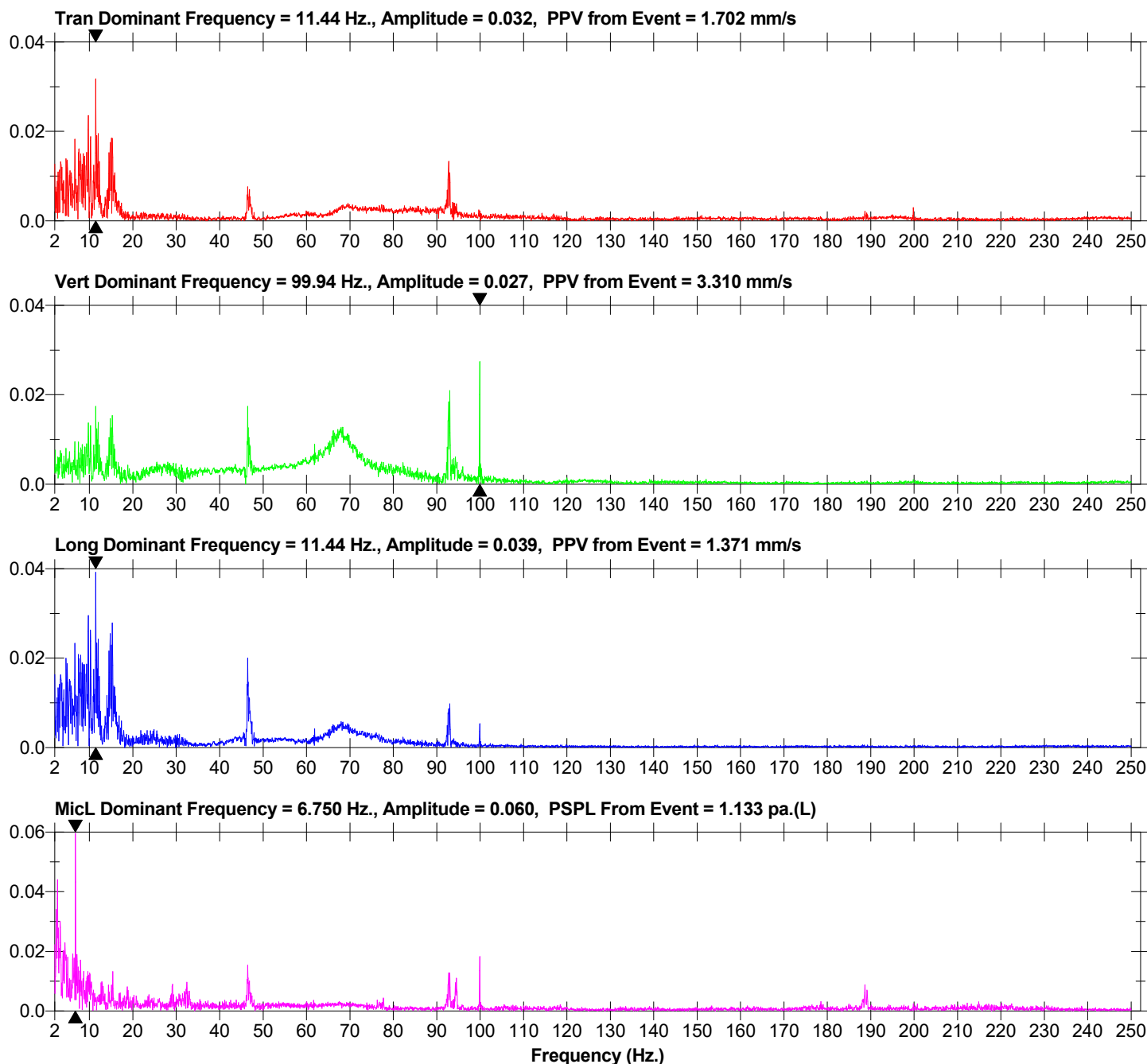
**Date/Time** Vert at 13:56:57 April 20, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 10.725 sec (Auto=7Sec) at 1024 sps  
**Operator/Setup:** Operator/BGM.MMB

**Serial Number** UM8131 V 10-76 Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 29, 2024 by UES New Delhi  
**File Name** UM8131\_20240420135657.IDFW

**Notes**  
 Location: Amalgamated Prism Cement and Bandarkha  
 Client:  
 User Name: PRISM JOHNSON LIMITED  
 General:

**Extended Notes**  
 Amalgamated Prism Cement and Bandarkha Limestone Mine

**Post Event Notes**  
 MNK/2ND BENCH/HR/SOUTH SIDE  
 Nos. OF Holes 41, Avg. Depth 7.81 Mtrs.,  
 Ch./Delay 40.2 Kgs., OBSERVATION Dist. 250 Mtrs.



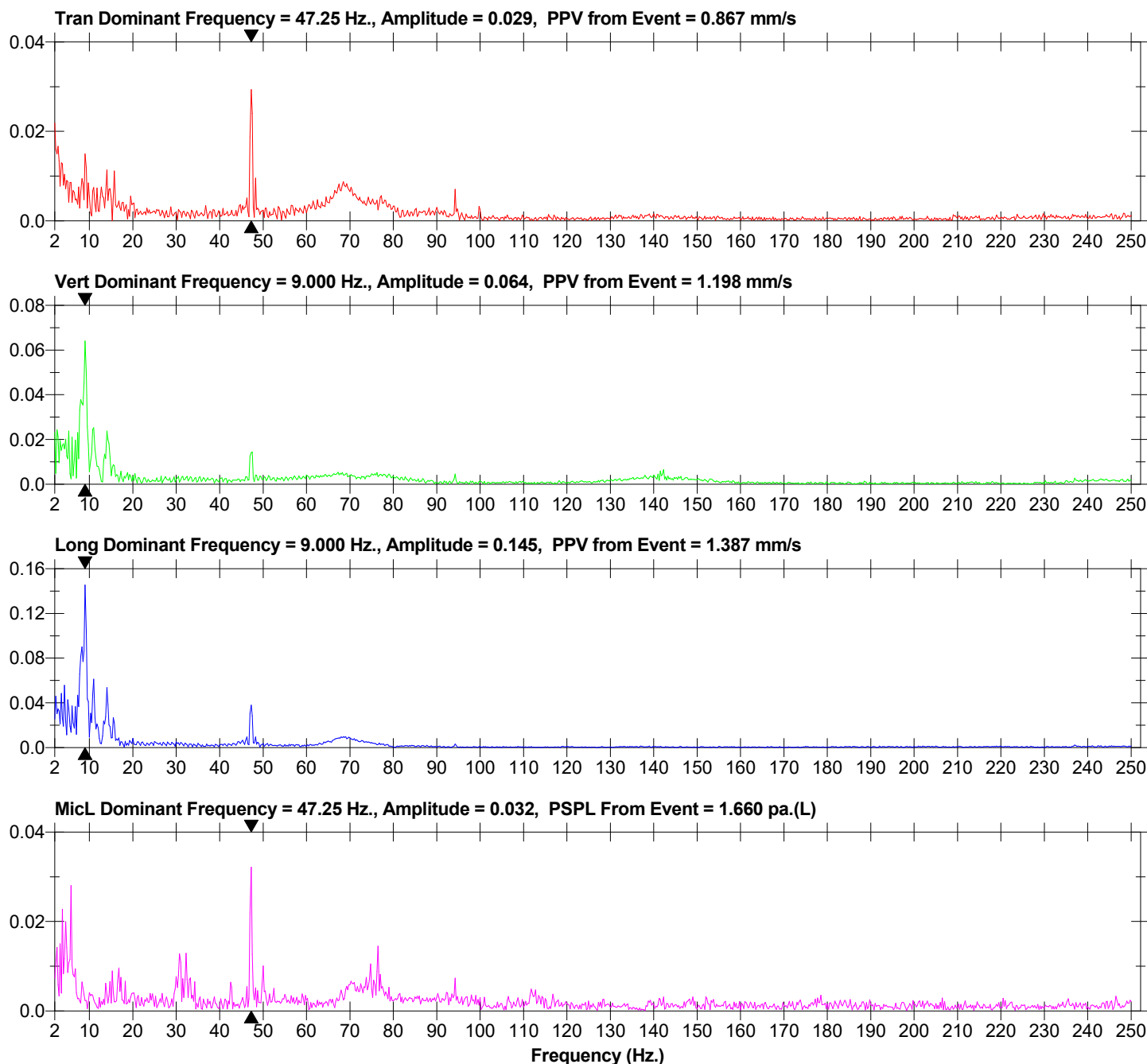
**Date/Time** Vert at 13:55:07 May 14, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec (Auto=7Sec) at 1024 sps  
**Operator/Setup:** Operator/BGM.MMB

**Serial Number** UM8131 V 10-76 Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 29, 2024 by UES New Delhi  
**File Name** UM8131\_20240514135507.IDFW

**Notes**  
 Location: Amalgamated Prism Cement and Bandarkha  
 Client:  
 User Name: PRISM JOHNSON LIMITED  
 General:

**Extended Notes**  
 Amalgamated Prism Cement and Bandarkha Limestone Mine

**Post Event Notes**  
 BDK/1ST BENCH/LS/EAST SIDE  
 Nos. OF Holes 25, Avg. Depth 7.18 Mtrs.,  
 Ch./Delay 35 Kgs., OBSERVATION Dist. 250 Mtrs.



**Date/Time** Tran at 01:34:14 June 29, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 1.5 sec (Auto=7Sec) at 1024 sps  
**Operator/Setup:** Operator/BGM.mmb

**Serial Number** UM8131 V 10-76 Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 29, 2024 by UES New Delhi  
**File Name** UM8131\_20240629013414.IDFW

## Notes

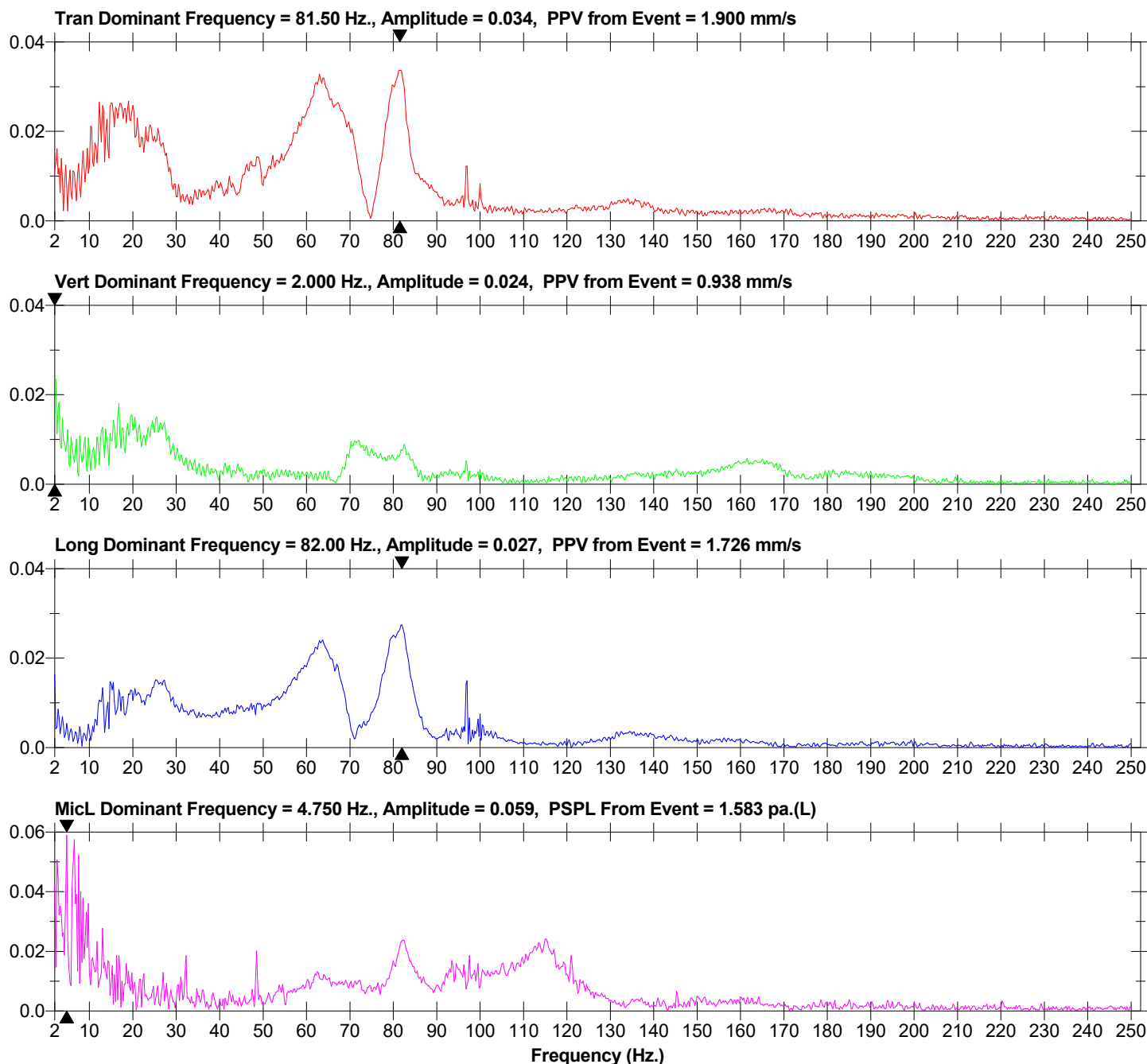
**Location:** Amalgamated Prism Cement & Bandarkha LS  
**Client:**  
**User Name:** PRISM JOHNSON LIMITED SATNA  
**General:**

## Extended Notes

Amalgamated Prism Cement & Bandarkha Limestone Mine

## Post Event Notes

MNK/5th Bench Low MgO, South,  
 No of holes 60 nos, Depth - 5.45 Mtrs.  
 Charge/delay - 28.33 Kgs, Obsevation Distance - 250 m





**Date/Time** Vert at 01:38:19 July 5, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.5 sec (Auto=7Sec) at 1024 sps  
**Operator/Setup:** Operator/BGM.mmb

**Serial Number** UM8131 V 10-76 Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 29, 2024 by UES New Delhi  
**File Name** UM8131\_20240705013819.IDFW

## Notes

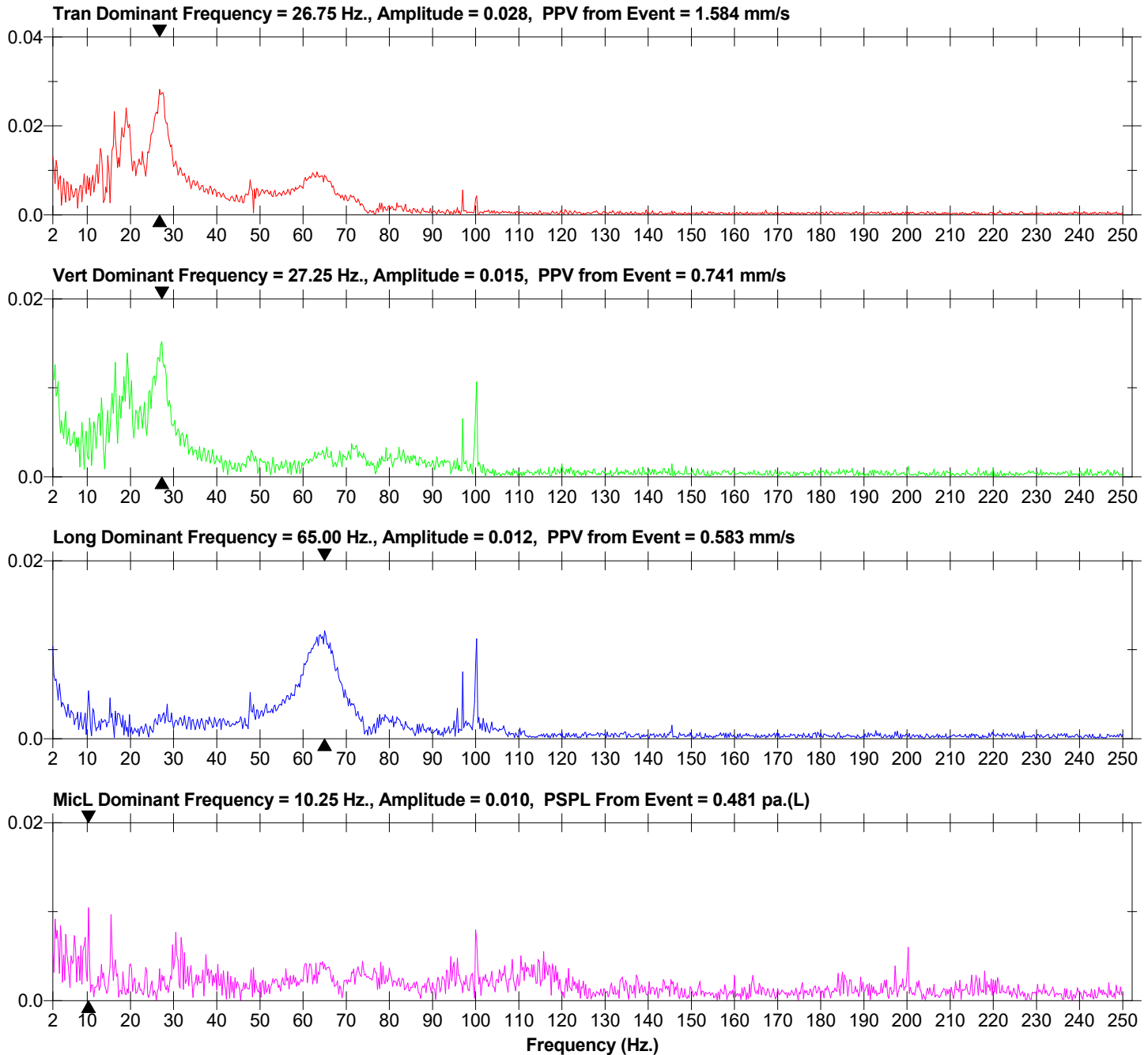
**Location:** Amalgamated Prism Cement & Bandarkha LS  
**Client:**  
**User Name:** PRISM JOHNSON LIMITED SATNA  
**General:**

## Extended Notes

Amalgamated Prism Cement & Bandarkha Limestone Mine

## Post Event Notes

MNK/6 Bench High Mgo,  
 No of holes 21 nos, Avg. Depth - 7.75 Mtrs.  
 Charge/delay -38.10 Kgs., Obsevation Distance - 250 m



**Date/Time** Tran at 01:48:56 August 8, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec (Auto=7Sec) at 1024 sps  
**Operator/Setup:** Operator/BGM.mmb

**Serial Number** UM8131 V 10-76 Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** January 29, 2024 by UES New Delhi  
**File Name** UM8131\_20240808014856.IDFW

## Notes

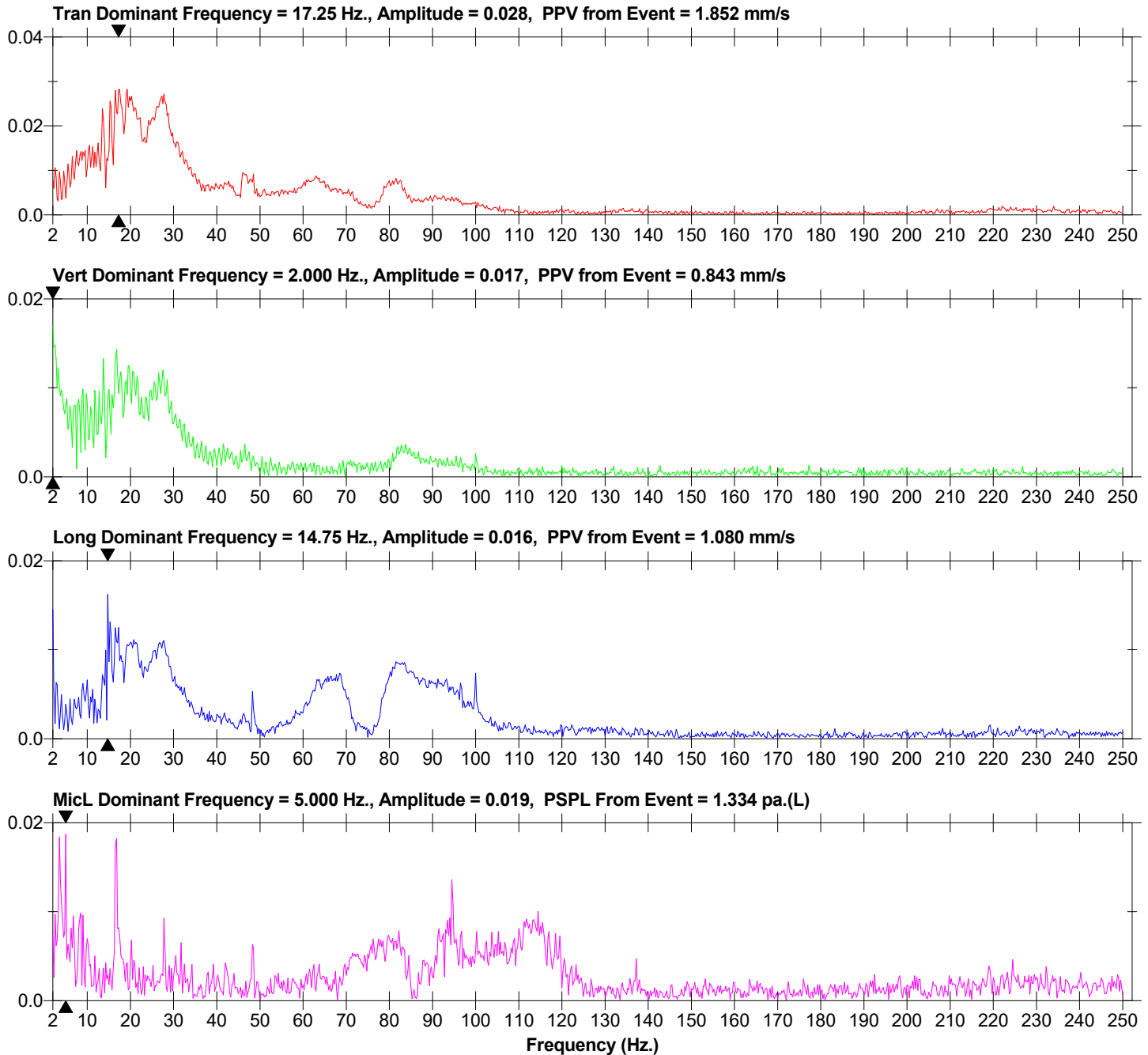
**Location:** Amalgamated Prism Cement & Bandarkha LS  
**Client:**  
**User Name:** PRISM JOHNSON LIMITED SATNA  
**General:**

## Extended Notes

Amalgamated Prism Cement & Bandarkha Limestone Mine

## Post Event Notes

MNK/1st Bench WR,North,  
 No of holes 79 nos, Depth - 5.47 Mtrs.  
 Charge/delay -24.68 Kgs, Observation Distance - 250 m



**Date/Time** Long at 13:56:45 September 21, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 4.5 sec (Auto=7Sec) at 1024 sps  
**Operator/Setup:** Operator/BGM.mmb

**Serial Number** UM8131 V 10-76 Micromate ISEE  
**Battery Level** 3.7 Volts  
**Unit Calibration** January 29, 2024 by UES New Delhi  
**File Name** UM8131\_20240921135645.IDFW

**Notes**  
 Location: Amalgamated Prism Cement & Bandarkha LS  
 Client:  
 User Name: PRISM JOHNSON LIMITED SATNA  
 General:

## Post Event Notes

MNK/East/2nd Bench (HR),  
 No of holes 51 nos, Depth - 5.50  
 Mtrs. Charge/delay - 22.05 Kg/delay, Obsevation Distance - 280 m

## Extended Notes

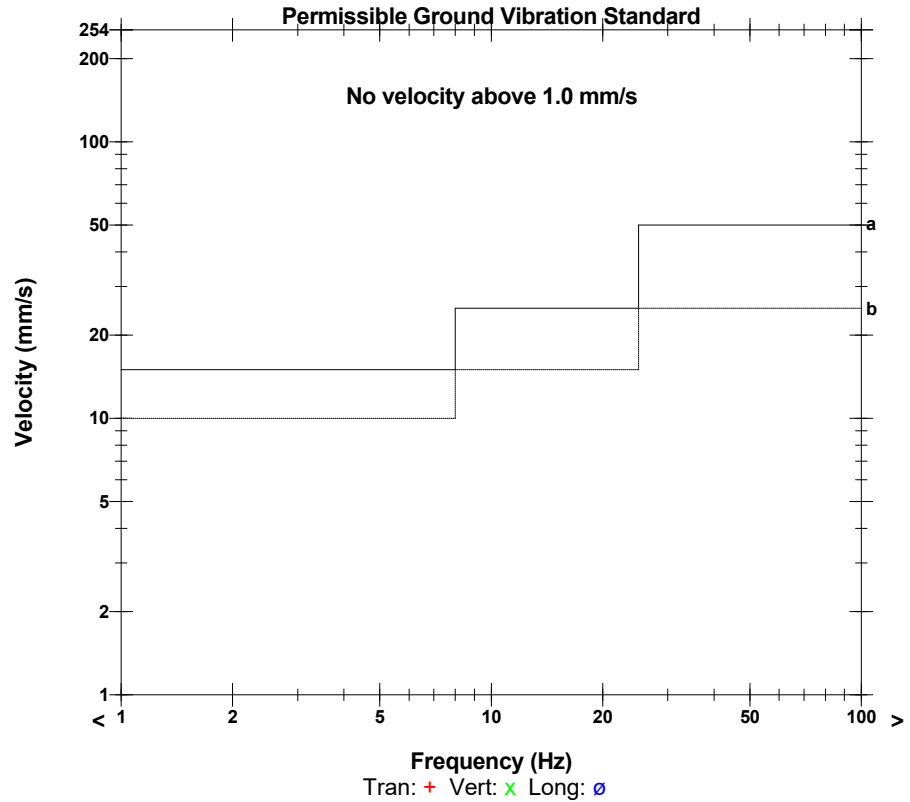
Amalgamated Prism Cement & Bandarkha Limestone Mine

**Microphone** Linear Weighting  
**PSPL** <0.500 pa.(L)  
**ZC Freq** 30 Hz  
**Channel Test** Check (Freq = 0.0 Hz Amp = 0 mv )

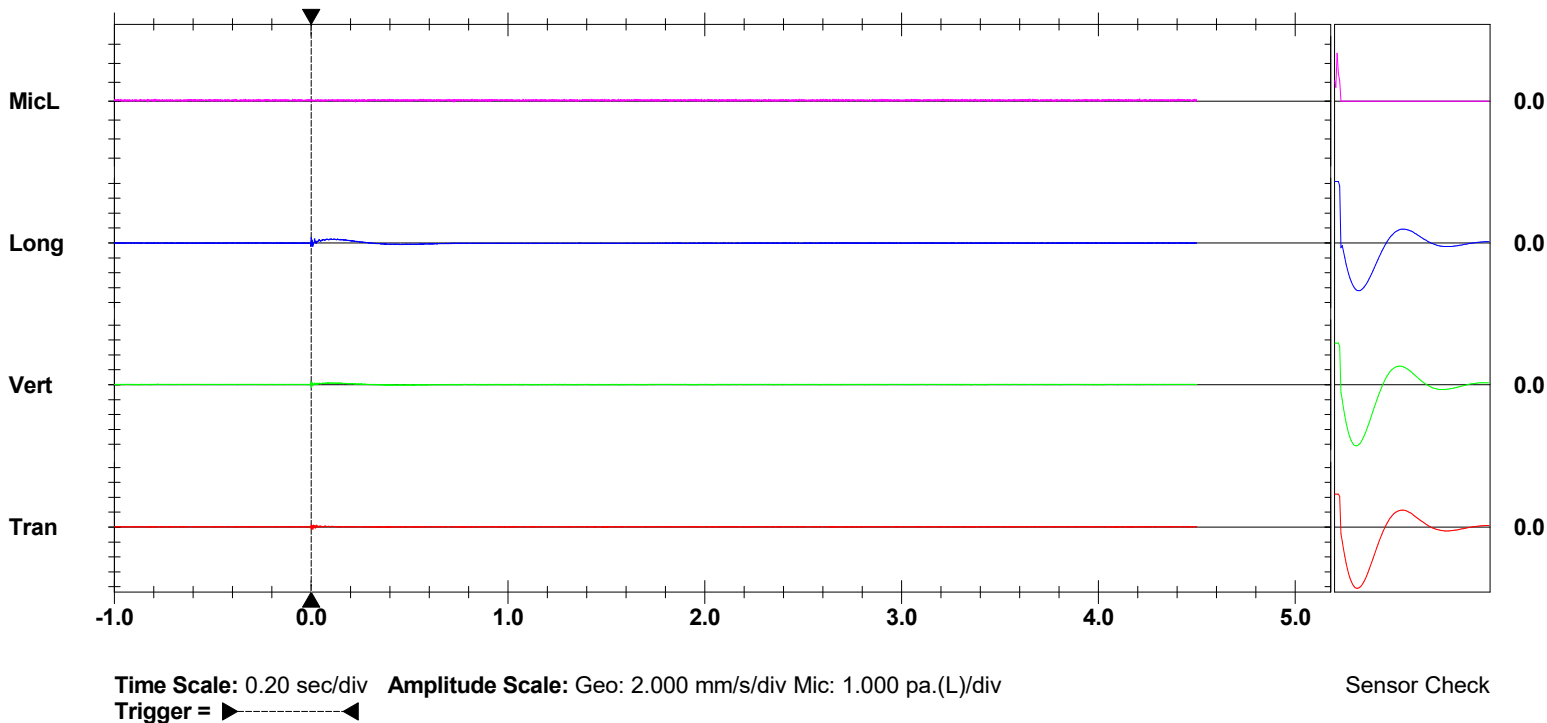
	Tran	Vert	Long	
<b>PPV</b>	0.315	0.410	0.725	mm/s
<b>ZC Freq</b>	>100	85	>100	Hz
<b>Time (Rel. to Trig)</b>	0.000	-0.002	0.000	sec
<b>Peak Acceleration</b>	0.039	0.039	0.070	g
<b>Peak Displacement</b>	0.014	0.020	0.048	mm
<b>Sensor Check</b>	Passed	Passed	Check	
<b>Frequency</b>	7.3	7.7	7.1	Hz
<b>Overswing Ratio</b>	3.6	3.3	3.4	

**Peak Vector Sum** 0.793 mm/s at 0.000 sec  
 N/A: Not Applicable

## DGMS India (B)



a) Industrial buildings  
 b) Domestic houses/structures





***Digital Processing of Mining Leases- ML 772.067 Ha,  
99.416 Ha, & 117.594 Ha, using Remote Sensing Technique for  
fulfillment of EC Compliance of Cement Unit Plant II and Integrated  
Mines for Prism Johnson Ltd. in Satna, Madhya Pradesh.***

***Final Report- 772.067 Ha, 99.416 Ha, & 117.594 Ha.***



**PO No. : 3100210446-P027, dated 13.07.2023**



***Submitted By:***

***SPA GEO TECHNOLOGIES PVT LIMITED***

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***Tel: 91-120-4996793***

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## 1. Introduction

Prism Johnson Limited is professionally managed Company promoted by the Rajan Raheja Group. Prism Johnson Limited is India's largest integrated Building Materials Company with a wide range from cement, ready-mixed concrete, tiles, bath products to kitchens. The Company has three Divisions, viz. Prism Cement, H & R Johnson (India), and RMC Readymix (India). Prism Cement primarily caters to the demand in the Northern Region, mainly in the States of Uttar Pradesh, Bihar and Madhya Pradesh. The capacity expansion has established the Division's brand in new markets and to a larger consumer base. A team of experienced engineers and a dedicated workforce combined with a high level of automation and sophisticated control systems have placed the Division's products in the premium segment.

Prism Johnson Ltd commenced its production in August 1997 and manufactures Portland Pozzollana Cement (PPC) with the brand name 'Champion' and Ordinary Portland Cement (OPC). It has the highest quality standards due to efficient plant operations with automated controls. It caters mainly to markets of UP, MP and Bihar, with an average lead of 340–370 km of its plant at Satna, MP. It has a wide marketing network with about 2,000 dealers serviced from 46 stocking points.

Cement and mining is seventh of the core industries that contribute significantly to the economic development of India . As for environment point of view, Line stone mining and installation of cement plant is a major habitat transforming activity is lead to change in land Use/Land cover. The change have been described as the most significant regional anthropogenic disturbance to the environment and are consistently with mining of natural resources.

Remote sensing and geographic information system (GIS) are important tool for studying the land use pattern and their dynamic . The change detection in Land use /land cover due to natural and human activities can be monitored by using multi date image to evaluate difference in land cover . The mapping of land use of classes and monitoring their changes with time has been widely recognized. The change detection in Land use/ Land cover due to natural and human activities can be monitored by using multi date images to evaluated differences in land cover where lime stone mines **Hinouti & Sijhatta ML 772.067 Ha, 99.416 Ha and Mendhi ML 117.594 Ha** and Cement Unit II are under operation by using multi temporal remote sensing data.

The concept, method and application of land use/land cover studies are introduced to mining area in order to find the land use change and give support to land management and ecological reconstruction. its prerequisite for planning, policy making and developmental program that land use /land cover information its spatial distribution and change in land use pattern is commonly used.



## 1.1 Scope of work

1. Collection of Primary data - Raw satellite data to be obtained from NRSC.
2. Base map to be prepared with help of survey of India Toposheet G44U14, G44V2 and other details.
3. Data processing including following steps with the help of application software
  - a. Geometric correction, rectification and Geo referencing .
  - b. Image enhancement.
  - c. Training set selection.
  - d. Signature generation and classification.
  - e. Validation of classification image.
  - f. Final thematic map preparation.
4. The map to be prepared on scale of 1:50000.
5. Comparative study with respect to land use change in the last three years.

## 1.2. Objectives

The main objective of present study is to understand land use /land cover change in the time and space , with special reference to the cement & mining activities being carried by M/s Prism Johnson Ltd, which is also one of the special condition of the environment clearance issued.

## 1.3. Software Used

1. ArcGIS 10.3
2. ERDAS Imagine
3. Microsoft Office

## 1.4. Study Area

The study area lies in Tehsil-Rampur baghelan and kotar, Satna district (MP) where cement Plant. The area is well connected to broad gauge line of central railway Linking ,satna with Rewa. The nearest major railhead is Satna on the jabalpur- Allahabad board guge section of central railway and is well connected to the major cities of the country. There is a good network of roads, there is an all weather motor able road up to project site. Location of Integrated Plant is 22 km from Satna City. from Satna city and 3 Km. from Satna - Rewa highway.

**The details of the Mine lease areas are listed in the Table 1:**

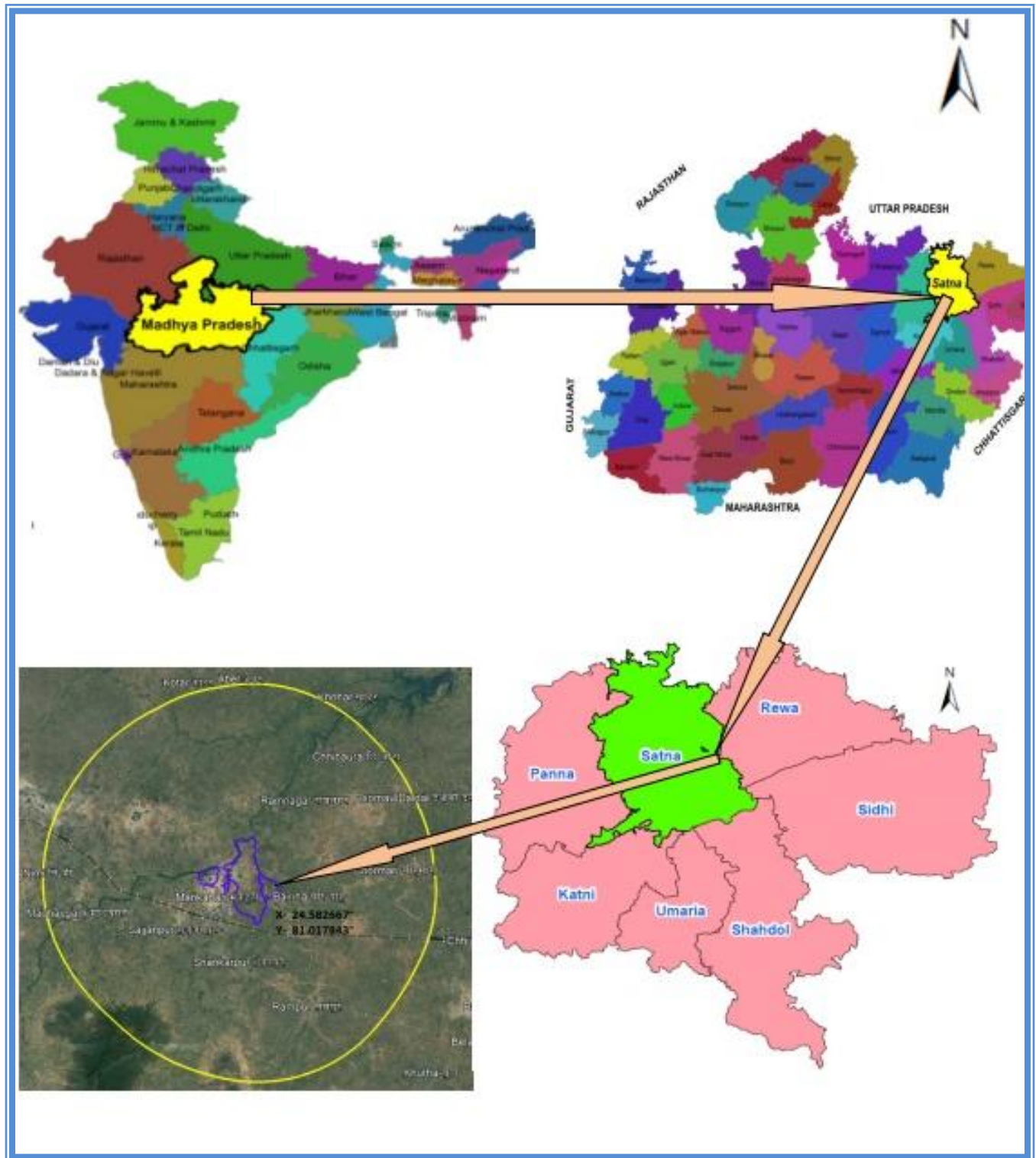
**Table - 1**

Details	Hinouti, Sijhatta and Mendhi Limestone Mine:	Integrated Cement Plant	Limestone Mine 772.067 Ha, 99.416 and 117.594		
Village	Hinouti, Sijhatta and Mendhi	Mankhari	Hinouti & Sijhatta	Mendhi	Baghai
Tehsil	Kotar	Rampur, Baghelan	Rampur, Baghelan	Rampur, Baghelan	Rampur, Baghelan
District	Satna	Satna	Satna	Satna	Satna
State	Madhya Pradesh	Madhya Pradesh	Madhya Pradesh	Madhya Pradesh	Madhya Pradesh

Toposheet No.	G44U14 & G44V2	G44U14 & G44V2	G44V2	G44V2
National Highway	N.H. - 39 Gwalior to Rewa			
Nearest River	Tamas River 2.15 Km.	Adjecnt to the boundary (In NW direction)	Tamas River 3.5 Km. (NW of Baghai)	Tamas River: 4 Km. (NW of Baghai)
Latitude	24°33'32.3"N	24°33'20.71"N	24°34'15.3."N	24°33'20.71"N
Longitude	80°59'34.12"E	80°59'20"E	81°02'26.1"E	81°04'47.8"E
Nearest Town	Satna (21 km)	Satna (18 Km) Towards west	Satna (24 Km) Towards west	Satna (23 Km) Towards west
Nearest Railway station	Satna railway station (20Km.)	Satna on the jabalpur-Allahabad board gauge section of west central Railway (18 KM.)	Satna on the jabalpur-Allahabad board gauge section of west central Railway (22 KM.)	Satna on the jabalpur-Allahabad board gauge section of west central Railway (20 KM.)
Nearest Airport	Khajuraho (120 Km.)	Khajuraho (120 Km.)		

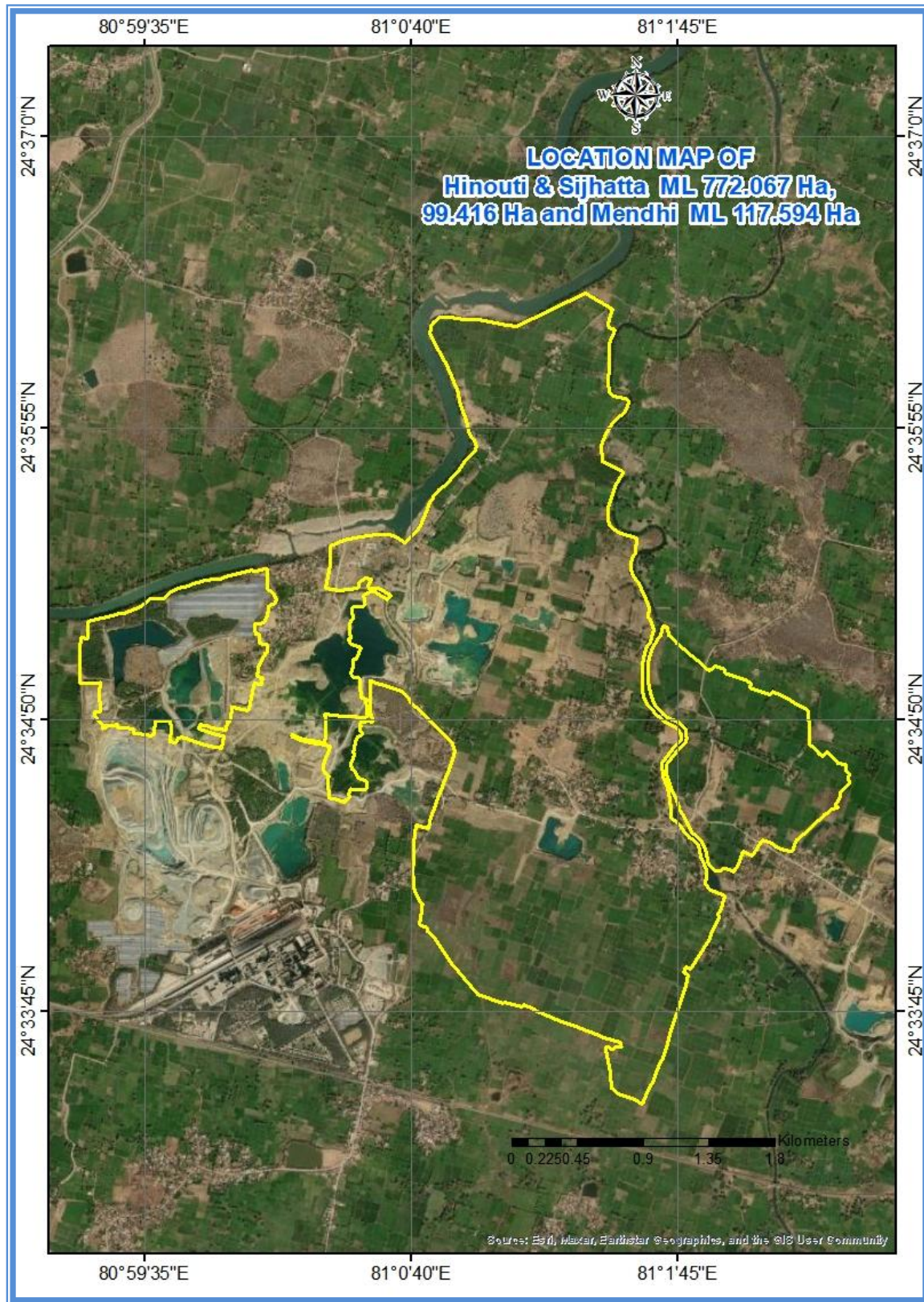
## 1.5. Location Map

**LOCATION MAPS OF Hinouti & Sijhatta ML 772.067 Ha, 99.416 Ha and Mendhi ML 117.594 Ha**





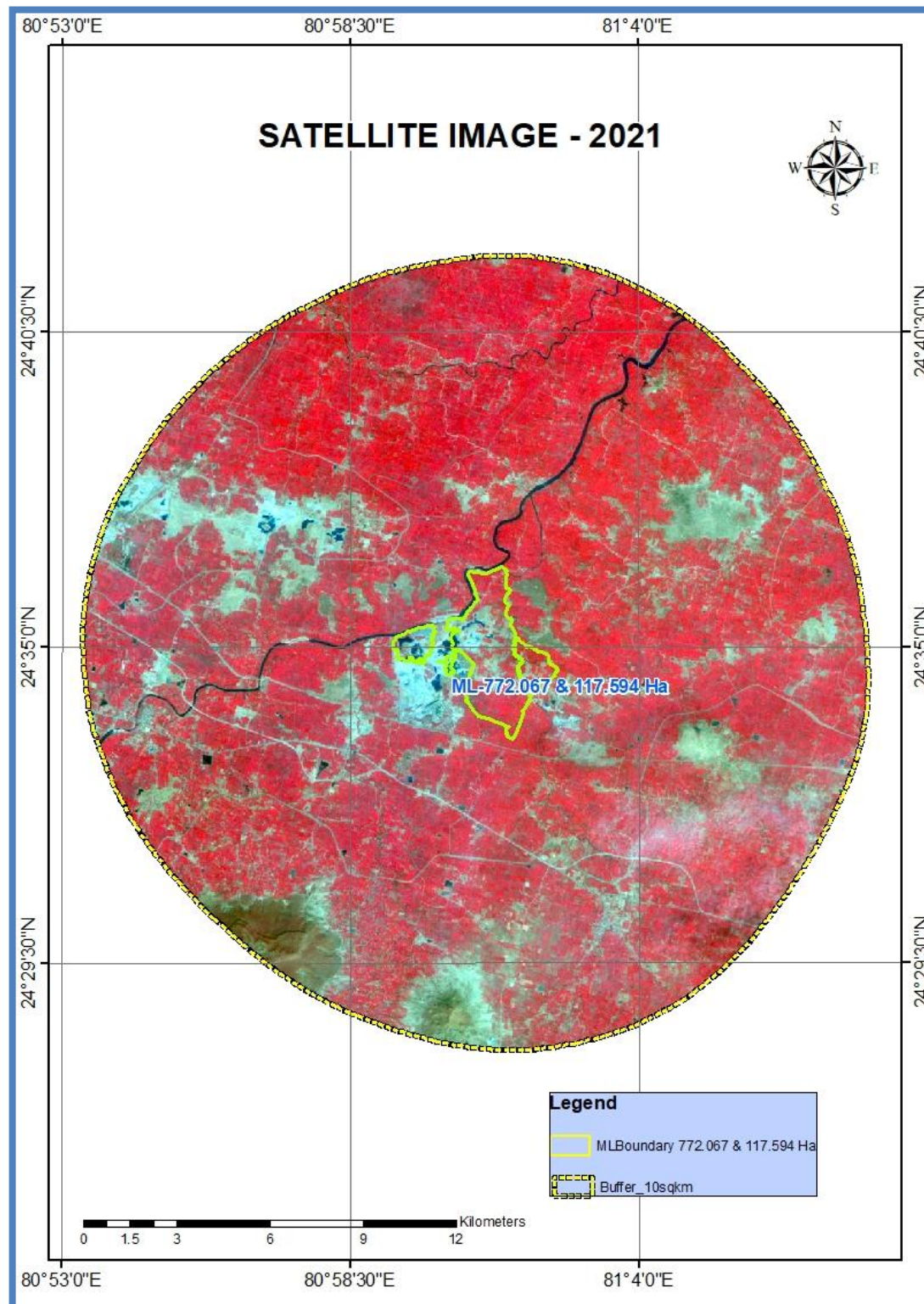
**ML BOUNDARY MAP : Hinouti & Sijhatta ML 772.067 Ha, 99.416 Ha and Mendhi ML 117.594 Ha**



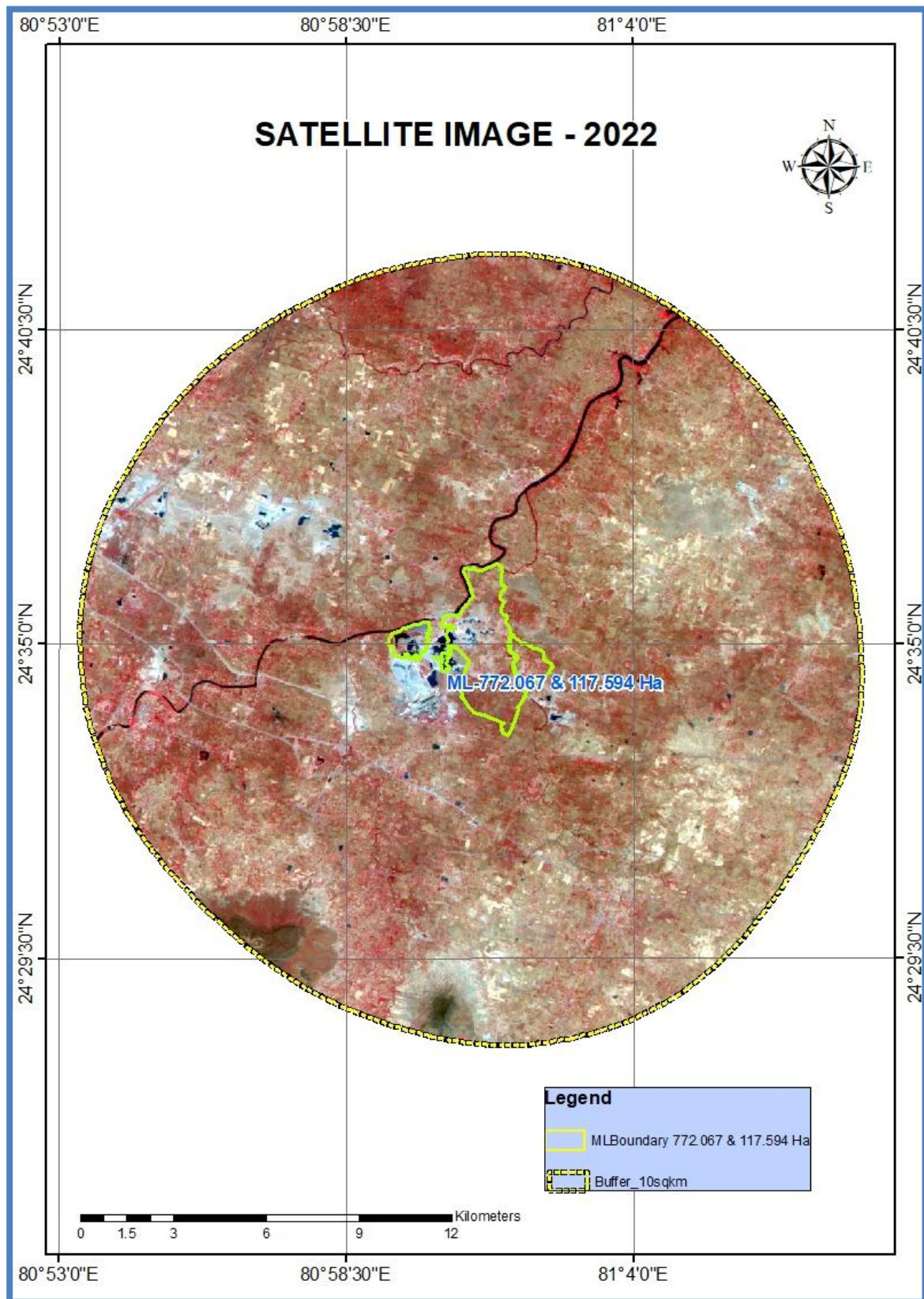


## 1.6. False Color Composites-FCC- Satellite Image of Study Area-2021-2022 and 2023

### 1.6.1 Satellite Image data-2021

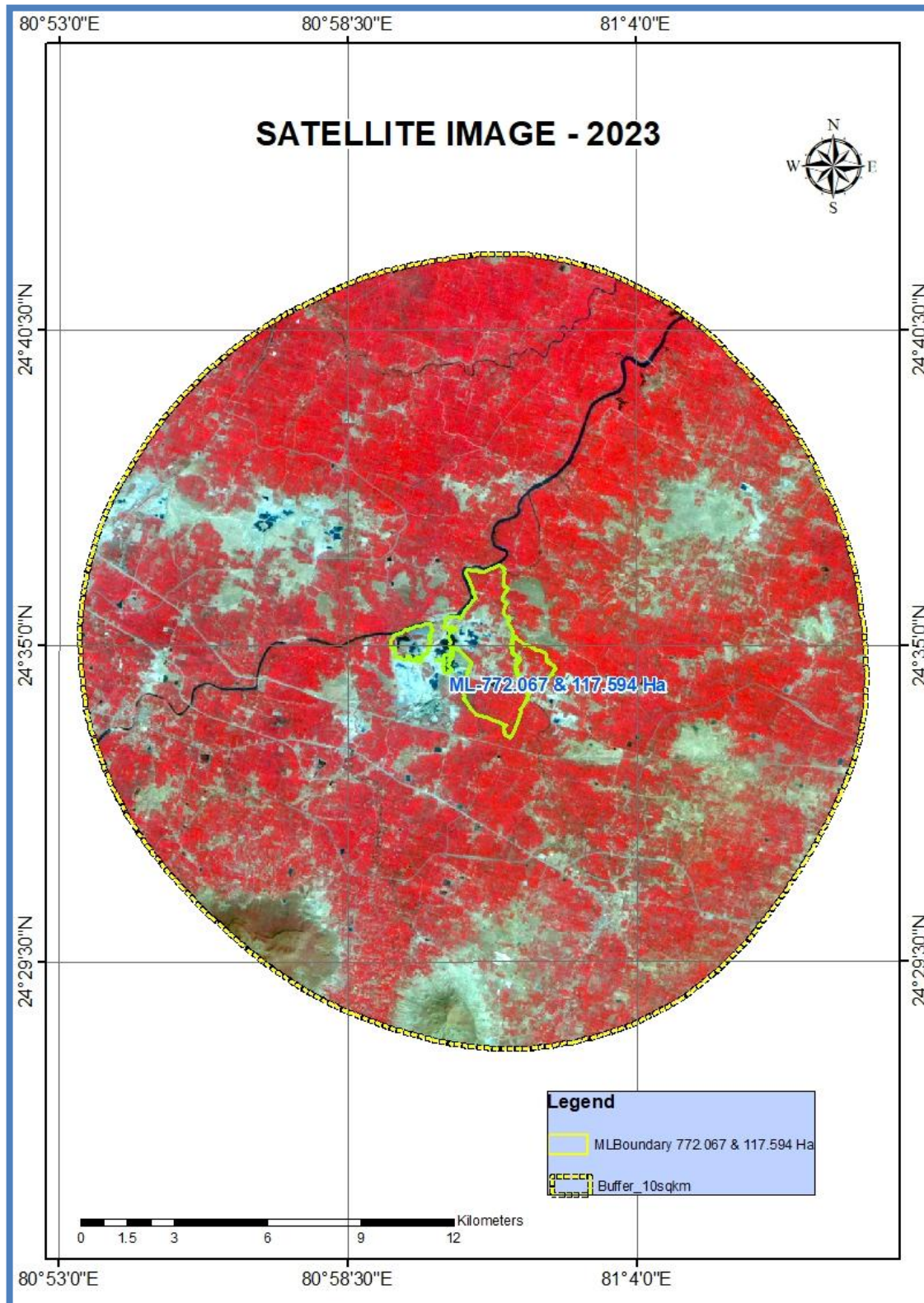


## 1.6.2 Satellite Image data-2022





### 1.6.3 Satellite Image data-2023



## 2. APPROACH & METHODOLOGY

Indian remote sensing satellite LISS-III MSS & PAN geocoded data were used to analyze the land use/land cover pattern. The present study utilizes multi-spectral/multi-temporal data of the Indian remote sensing satellite LISS-III MSS & PAN for thematic mapping. Survey of India toposheet G44U14 & G44V2 on scale 1:50,000 were used for preparation of base map which was overlay on the LISS-III for land use /land cover mapping through visual interpretation. Visual interpretation of satellite imagery lead to the identification of fifteen land use/land cover categories. The ground truth verification was carried out in the key areas to rectify the errors in generated maps and then land use/land cover maps were finalized.

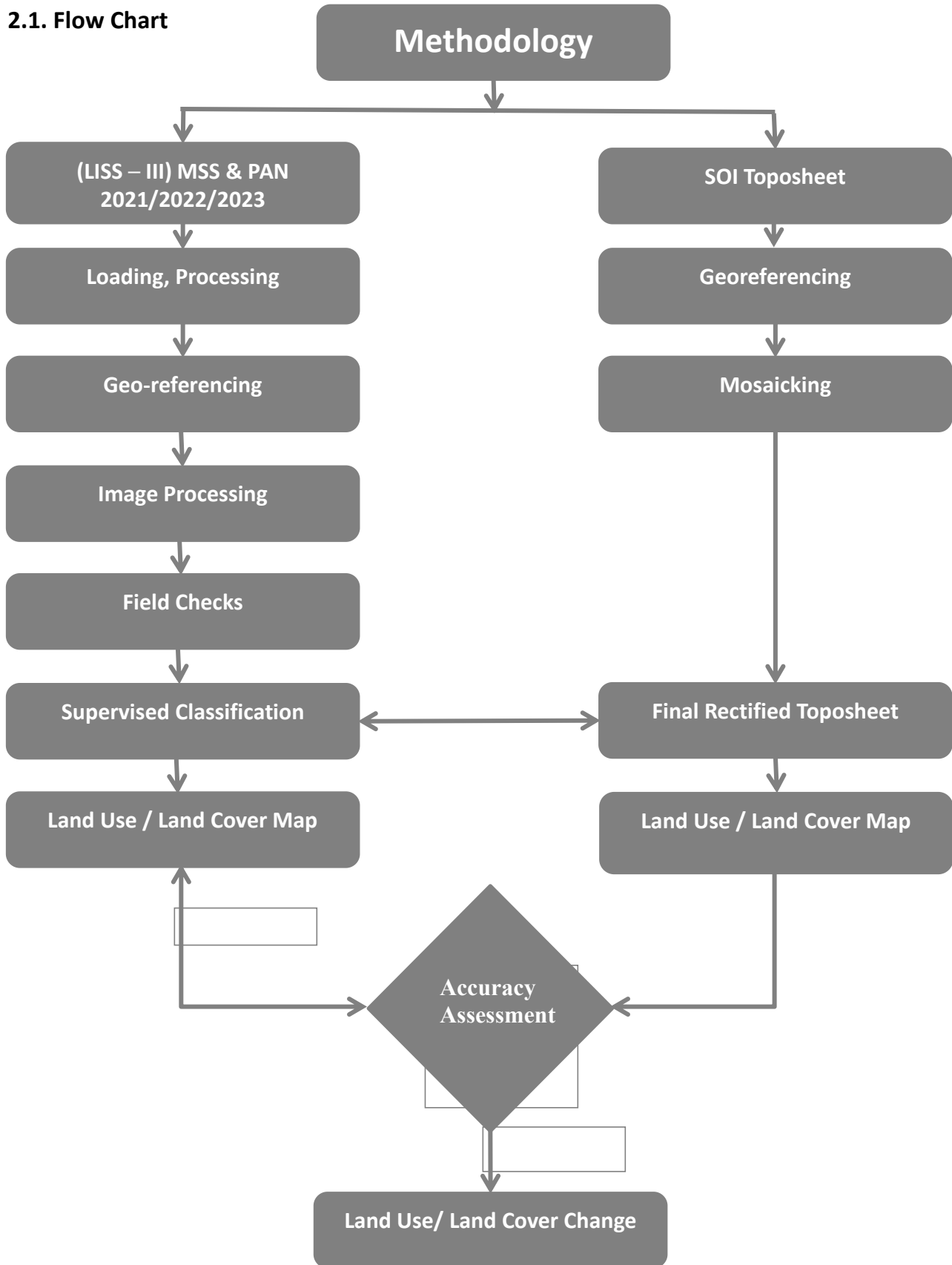
Data available gives uniform spectral and radiometric characteristics and minimize the seasonal variation. The survey of India topographic sheets No. G44U14 & G44V2 on scale 1:50,000 were used for preparation of base map. Secondary data obtained from published material. Visual interpretation is the effective method for classifying land use/land cover especially when the analyst is familiar with the area being classified from satellite data.

These categories were identify on the basis of visual interpretation of satellite data and ground truth verification were done in the key areas for editing and authentication. On screen digitization technique has been carried out to digitize the maps using Arc Map 10.3 software for land use analysis.

There are number of steps involved between RAW satellite data procurement and preparation of final maps. National Remote sensing Centre (NRSC). Hyderabad, being the nodal agency for satellite data supply in India , Provides only RAW digital satellite data , which needs further digital image processing for extracting the information and map preparation before uploading the same in the website. Methodology for land reclamation is given table no.2

With the invent of remote sensing and Geographical Information System (GIS) techniques, land use/cover mapping has given a useful and detailed way to improve the selection of areas designed to agricultural, urban and/or industrial areas of a region. Application of remotely sensed data made possible to study the changes in land cover in less time, at low cost and with better accuracy in association with GIS that provides suitable platform for data analysis, update and retrieval. The advent of high spatial resolution satellite imagery and more advanced image processing and GIS technologies, has resulted in a switch to more routine and consistent monitoring and modeling of land use/land cover patterns. Remote-sensing has been widely used in updating land use/cover maps and land use/cover mapping has become one of the most important applications of remote sensing.

## 2.1. Flow Chart





## **2.2. Data Procurement:**

After browsing the data quality and date of pass on internet, supply order for data is placed to NRSC. Secondary data like leasehold boundary, Toposheet are procured for creation of vector database.

## **2.3. Satellite Data Processing:**

Satellite data are processed using *DIGITAL IMAGE PROCESSING SOFTWARE*. Mythology involves the following major steps.

## **2.4. Rectification & Geo-referencing:**

Inaccuracies in digital imagery may occur to *systematic errors* attributes to earth curvature and ration as well as *non systematic errors* attributes to satellite receiving station itself. RAW digital contain geometric distortions, which make them unusable as maps. Therefore, Geo-referencing is required for correction of image data using ground control points (GCP) to make it compatible to SOI toposheet.

## **2.5. Image enhancement:**

To improve the interpret-ability of the raw data, image enhancement is necessary. Local operations modify the value of each pixel based on brightness pixels using *DIGITAL IMAGE PROCESSING SOFTWARE* and enhance the image quality for interpretation.

## **2.6. Classification and Accuracy assessment:**

Image classification is carried out using the maximum likelihood algorithm. The classification proceeds through the following steps :

(A) calculation of statistics for the identified training area, and correlation matrix. After evaluating the statistical parameters of the training sets is conducted by measuring the statistical separation between the classes that resulted from computing divergence matrix. The overall accuracy of the classification was finally reference to ground truth data.

## **2.7. Area Calculation:**

The area of each land use class in the leasehold is determined using *DIGITAL IMAGE PROCESSING SOFTWARE*.

## **2.8. Overlay of Vector data base:**

Vector data base created based on secondary data. Vector layer like drainage, railway line, Lease boundary, mines area, forest boundary water body etc.

## 2.9. Field Survey:

Field survey was carried out by taking selective traverses in order to collect the ground information (or reference data).





Digital Processing of Lease Area of Prism Johnson Ltd., Satna, Madhya Pradesh





Digital Processing of Lease Area of Prism Johnson Ltd., Satna, Madhya Pradesh



## 2.10. Finding of Study:

### 2.10.1. Hinouti & Sijhatta Lime Stone Mine (772.067 Ha, 99.416 ha).

Land use /land cover information derived from IRS LISS-III 2021, 2022 & 2023 (Table 2). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area **Hinouti & Sijhatta Lime Stone Mine (772.067 Ha, 99.416 ha).**

**Table - 2 Hinouti & Sijhatta Lime Stone Mine Land use Details (772.067 Ha, 99.416 ha) (Fig.1,2 & 3)**

Description	2021 (Area In Ha)	2022 (Area In Ha)	2023 (Area In Ha)
<i>Crop Land</i>	4.4034	6.9873	6.9873
<i>Agriculture-Fallow</i>	632.2615	627.3555	625.4855
<i>Built up Land</i>	53.8391	54.7602	54.9121
<i>Dumping Land</i>	6.3650	6.9400	7.3158
<i>Limestone Quarry</i>	114.4890	115.5595	116.0687
<i>Solar Power Panel</i>	21.2207	21.2207	21.2207
<i>Water Body</i>	8.7948	8.7948	9.2059
<i>Afforestation Land</i>	30.1095	29.8650	30.2870
<b>Total</b>	<b>871.483</b>	<b>871.483</b>	<b>871.483</b>

### 2.10.2. Mendhi Lime Stone Mine (117.594 Ha).

Land use /land cover information derived from IRS LISS-III 2021, 2022 & 2023 (Table 2). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area **Mendhi Lime Stone Mine (117.594 Ha).**

**Table - 3 Mendhi Lime Stone Mine Land use Details (117.594 Ha). (Fig.4, 5 & 6)**

Description	2021 (Area In Ha)	2022 (Area In Ha)	2023 (Area In Ha)
<i>Crop Land</i>	4.0231	3.6853	3.6808
<i>Agriculture-Fallow</i>	99.0252	100.0569	99.3934
<i>Built up Land</i>	4.5268	4.5819	4.7912
<i>Dumping Land</i>	0.7238	0.81327	0.9733
<i>Limestone Quarry</i>	3.6971	3.9429	4.2416
<i>Afforestation Land</i>	5.598	4.5137	4.5137
<b>Total</b>	<b>117.594</b>	<b>117.594</b>	<b>117.594</b>

### 2.10.3. Land Use/Land Cover Map Of Buffer Zone with 10 Sq.km. (772.067 Ha, 99.416 ha & 117.594 ha)

Land use /land cover information derived from IRS LISS-III 2020, 2021 & 2023 (Table 2). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area.

Table - 3 Land Use Details of Buffer Zone Hinouti & Sihhatta Mines 772.067 Ha, 99.416 ha & 117.594 ha (Fig. 7, 8 & 9)			
Description	2021 (Area in Ha)	2022 (Area in Ha)	2023 (Area in Ha)
Cement plant unit II Boundary	116.8283	116.8283	116.8283
Agriculture Fallow	39046.7118	38935.7413	38858.3309
Dense Forest	1696.36692	1696.3669	1696.3669
Lime Stone Quarry	118.1862	119.5024	124.9645
Open Scrub	2056.7392	2103.0081	2138.6382
Plantation	364.4824	367.2455	370.0884
River/Water Body	1,258.9811	1273.6135	1268.4563
Waste Land	15.3318	15.3318	15.3318
Solar Power Panel Area	33.77038	33.7703	33.7703
Crop Land	207.2149	246.8293	253.8772
Plant Area	17.5111	17.5111	17.5111
Reserved Forest	336.5917	336.5917	336.5917
Open Mix Jungle	136.7960	136.7960	136.7960
Other Quarry Land	361.5830	361.5830	373.6997
Afforestation	34.132653	34.4534	34.950145
BUILT UP LAND	3687.7487	3693.1390	3707.8936
Road	49.5155	49.5155	49.5155
Dumping Land	96.58963	97.25415	101.4707
<b>TOTAL</b>	<b>49635.0813 Ha</b>	<b>49635.0813 Ha</b>	<b>49635.0813 Ha</b>



### 3. Conclusion

The Present study reveals that mining and industrial activities around Prism Johnson Ltd. are the main forces responsible for land use land cover change during years from commencement of their operation. The mining has increased manifold that has resulted in change land use in terms of cultivated land and water bodies in the area.

Exploitation on natural resource in the area is going on due to the expansion of limestone mining activities, and other industrial activities. This report focuses on LU/LC changes in the Mine lease areas and buffer areas in and around to Prism Johnson Limited, Satna India, using remote sensing data and GIS technology. Our results clearly show that LU/LC changes were summarized during the period of **2021, 2022 & 2023 in the Table no-3**. On the other hand there is minor change in agricultural area, water spread area, and forest areas. This study clearly indicates the significant impact of environmental and its development activities on LU/LC change. This study proves that integration of GIS and remote sensing technologies is effective tool for change detection. The quantification of LU/LC changes of Prism Johnson Ltd. area is very useful for environmental management groups, policy makers and for public to better understand the surrounding.

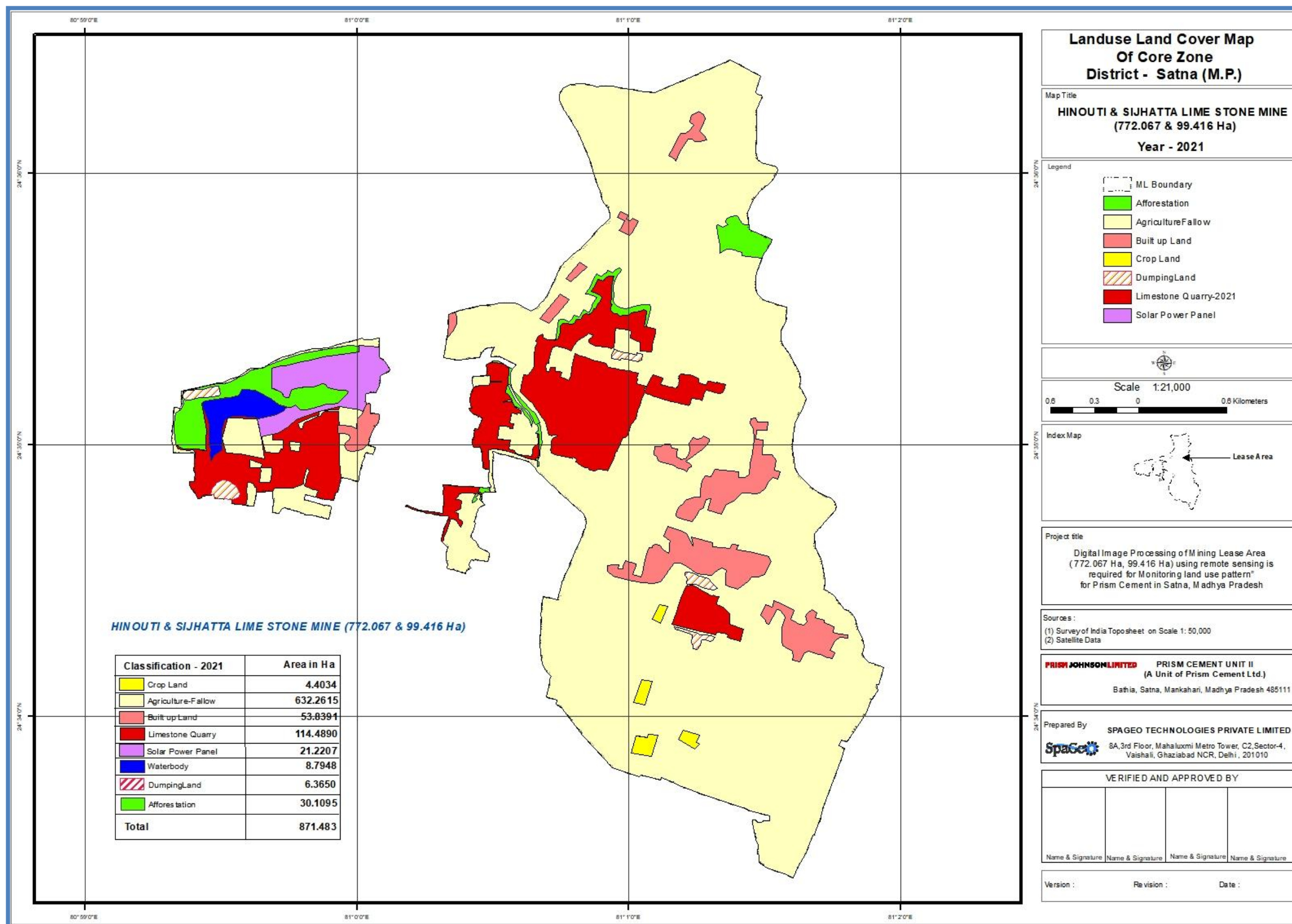


Fig:- 1 Hinouti & Sihhatta Lime stone Mine Land use Details 2021 (772.067 Ha, 99.416 ha)

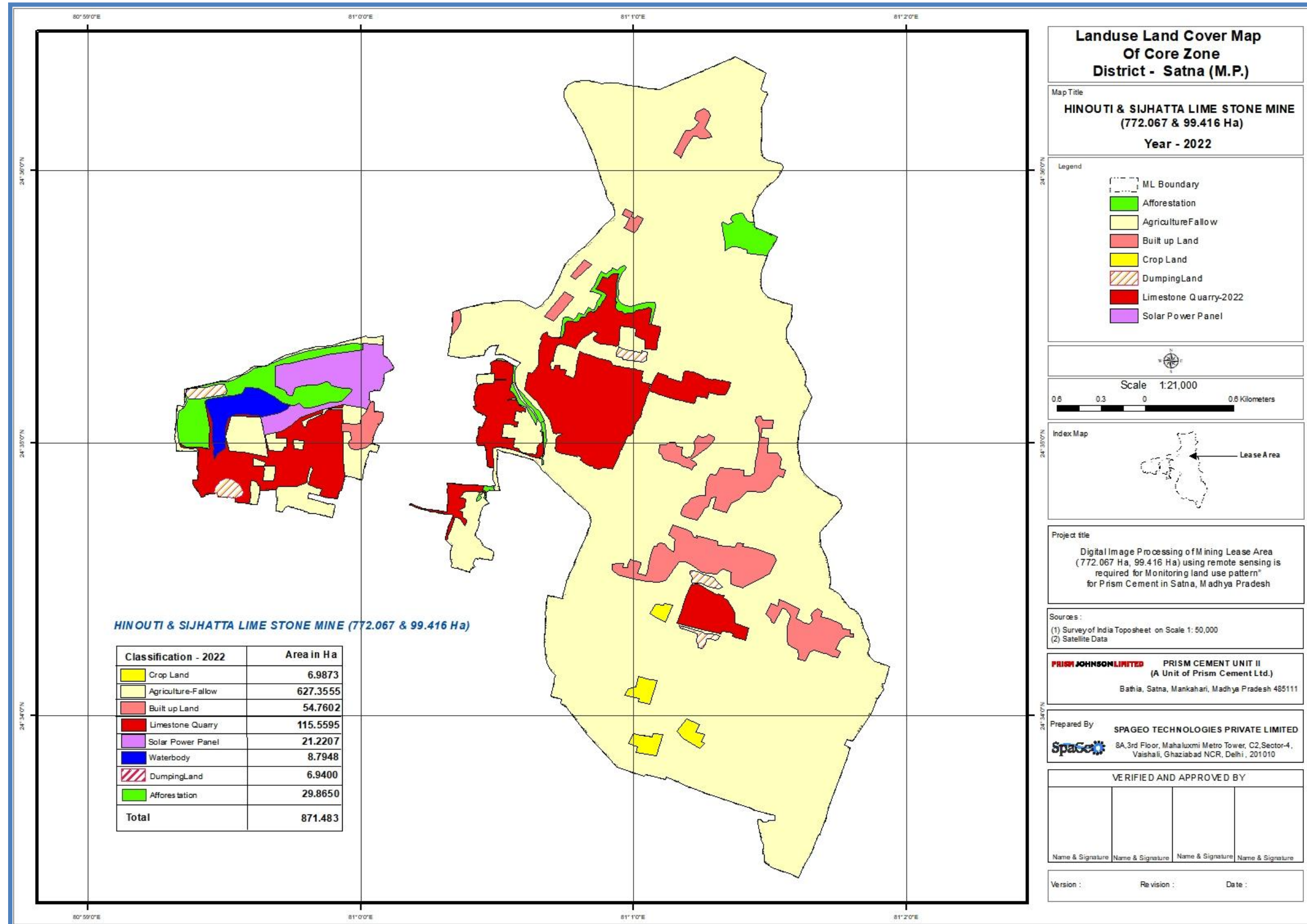


Fig:-2 Hinouti & Sijhatta Lime stone Mine Land use Details 2022 (772.067 Ha, 99.416 Ha)



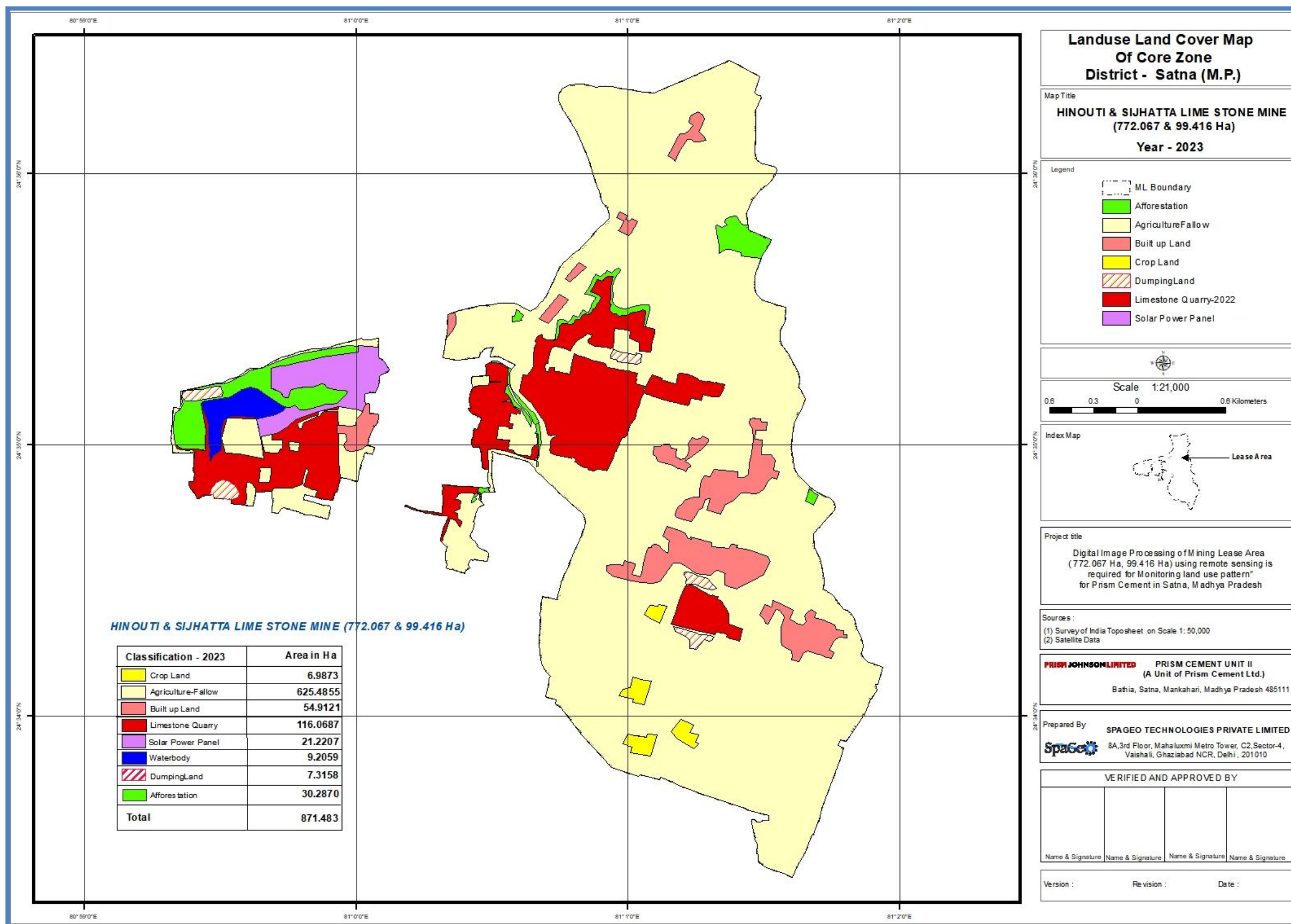


Fig:- 3 Hinouti & Sihhatta Lime stone Mine Land use Details 2023 (772.067 Ha, 99.416 Ha)

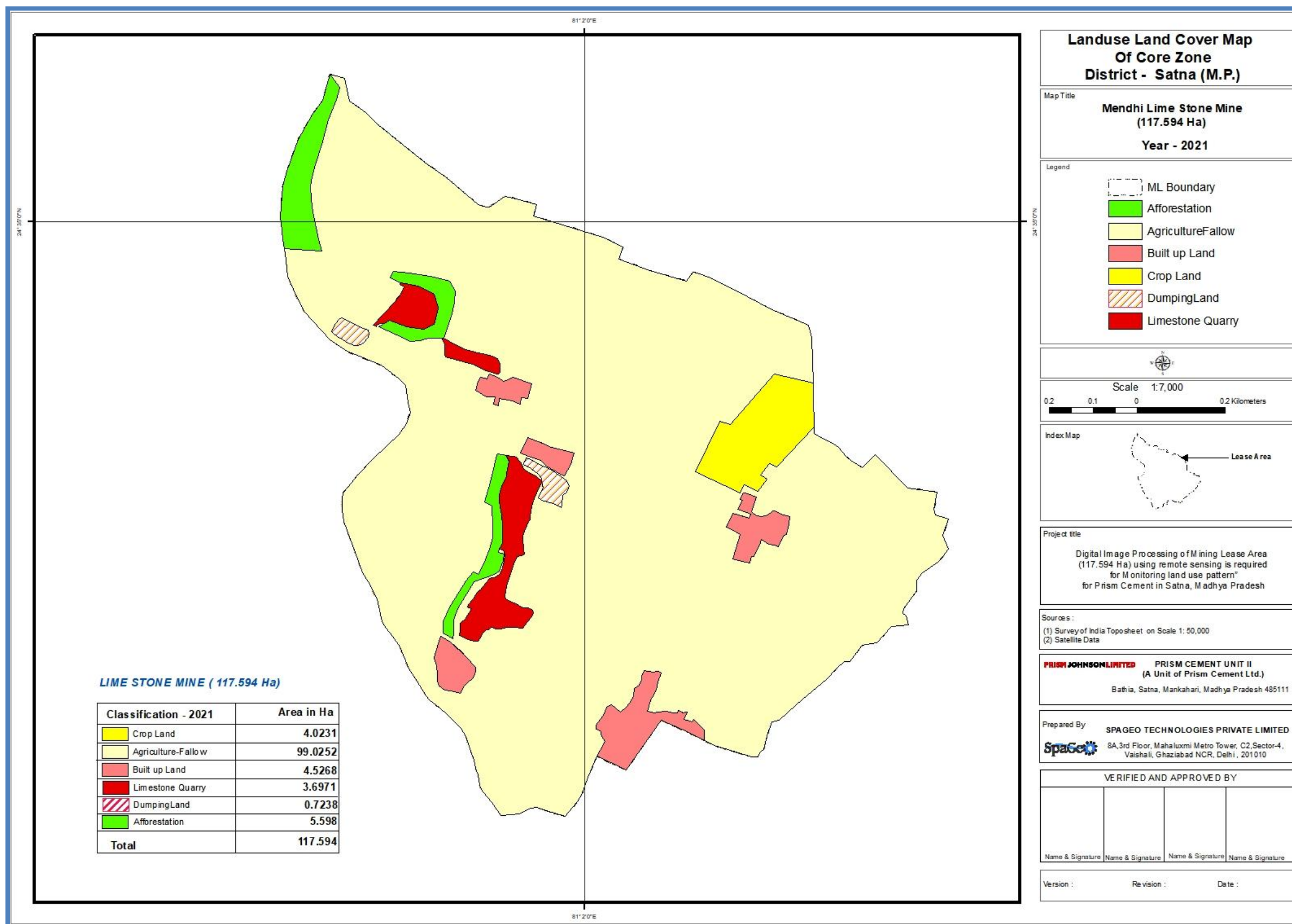


Fig:- 4 Mendhi Lime stone Mine Land use Details 2021 (117.594 Ha)

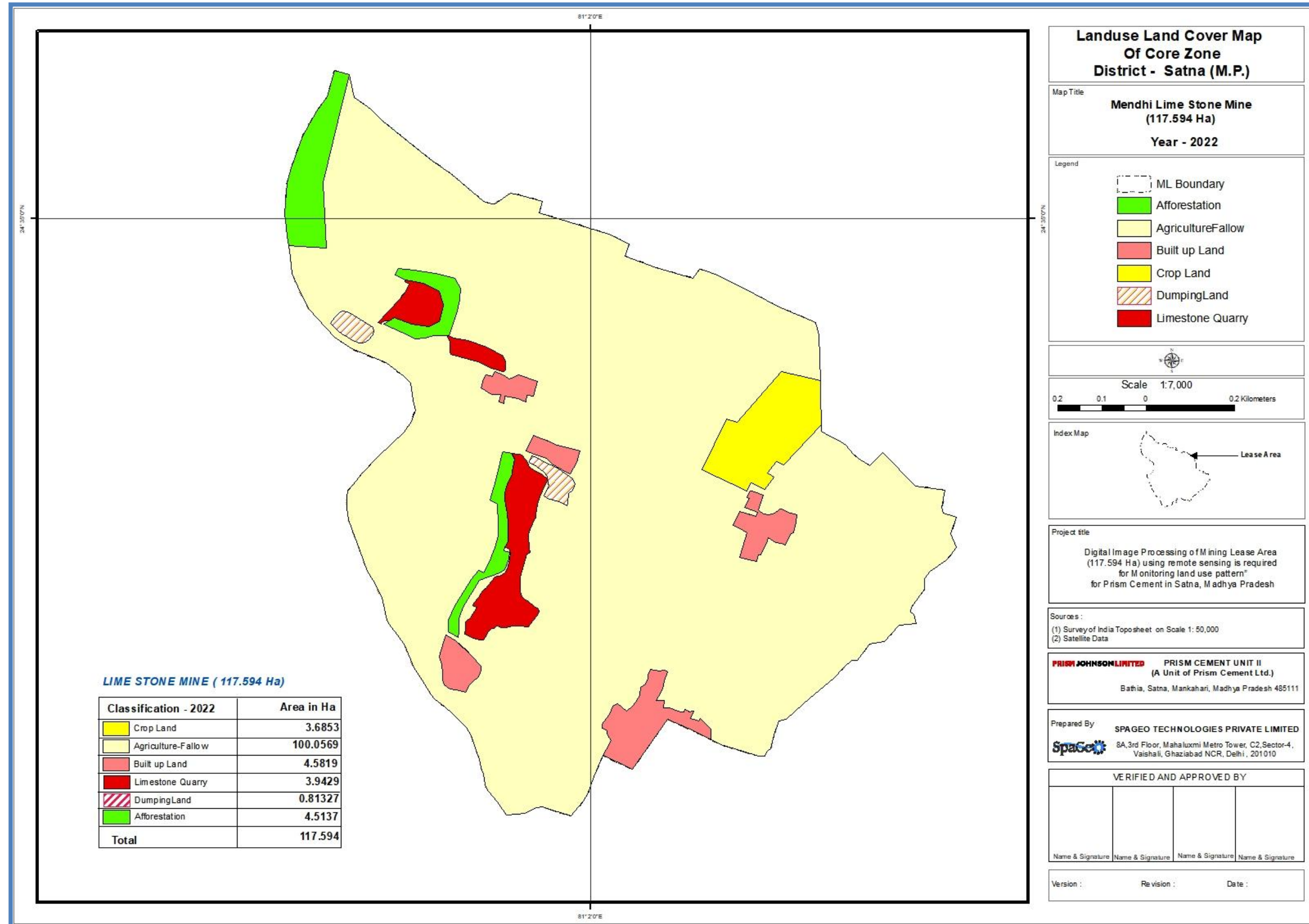


Fig:- 5 Mendhi Lime stone Mine Land use Details 2022 (117.594 Ha)



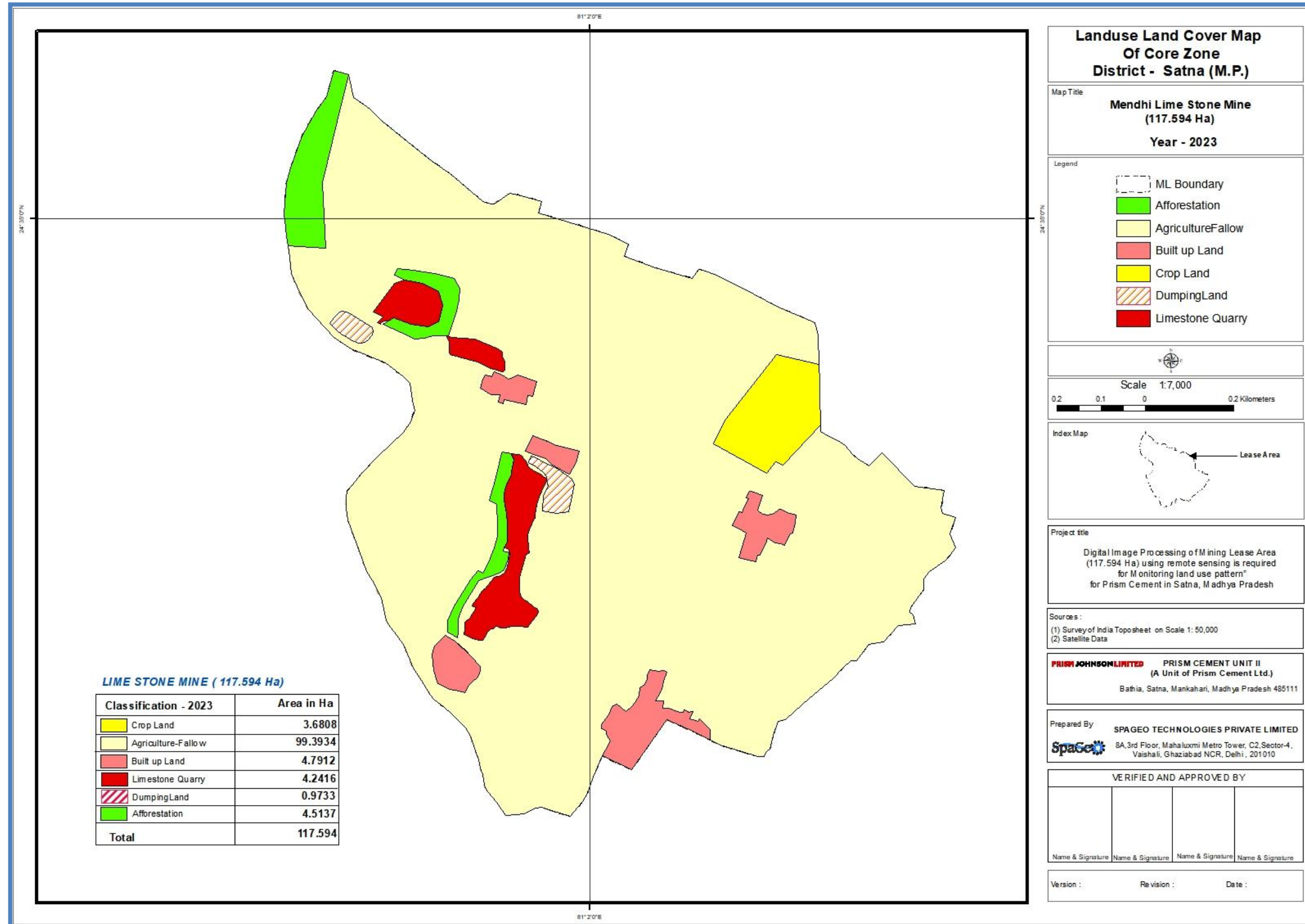
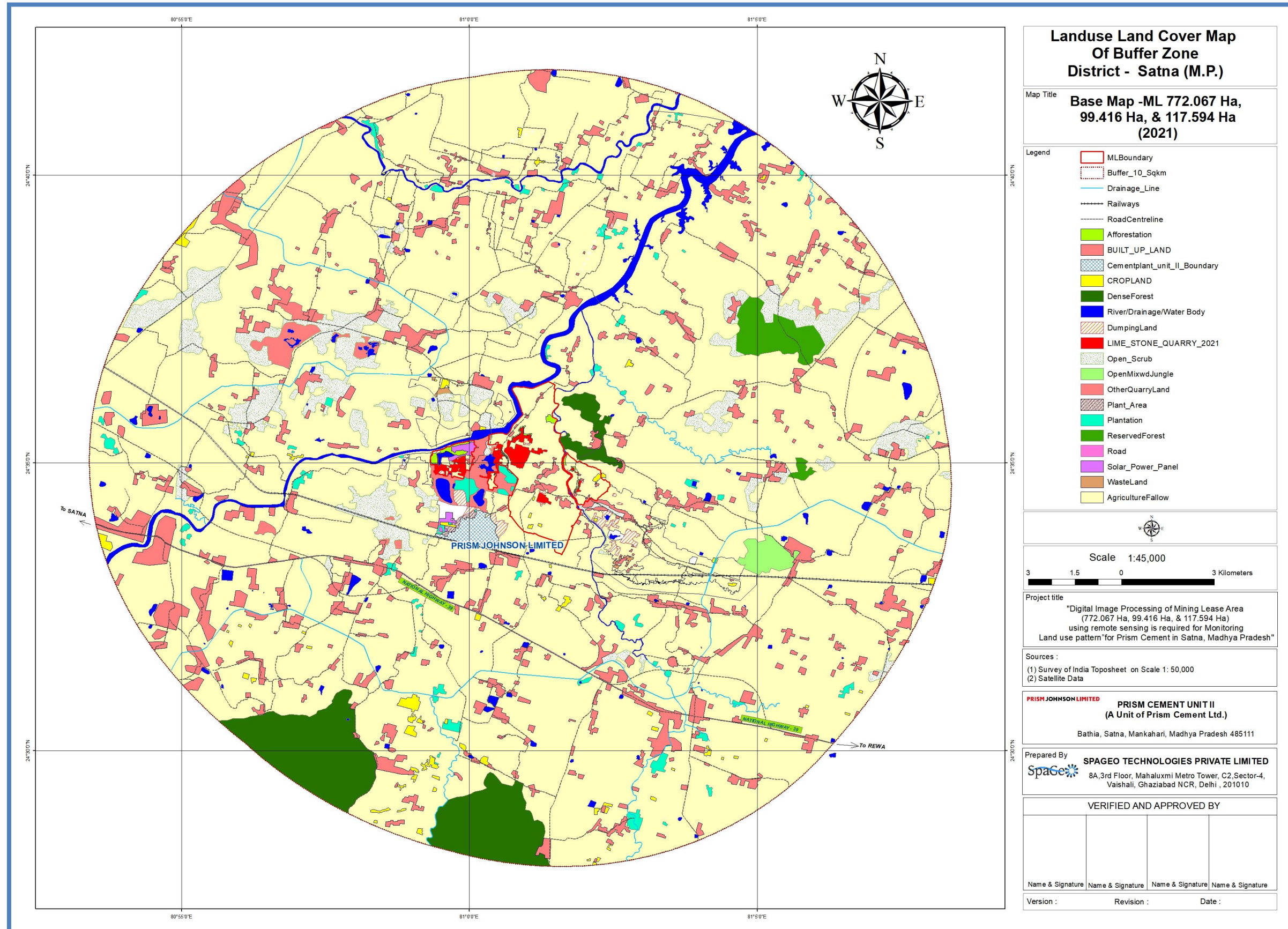
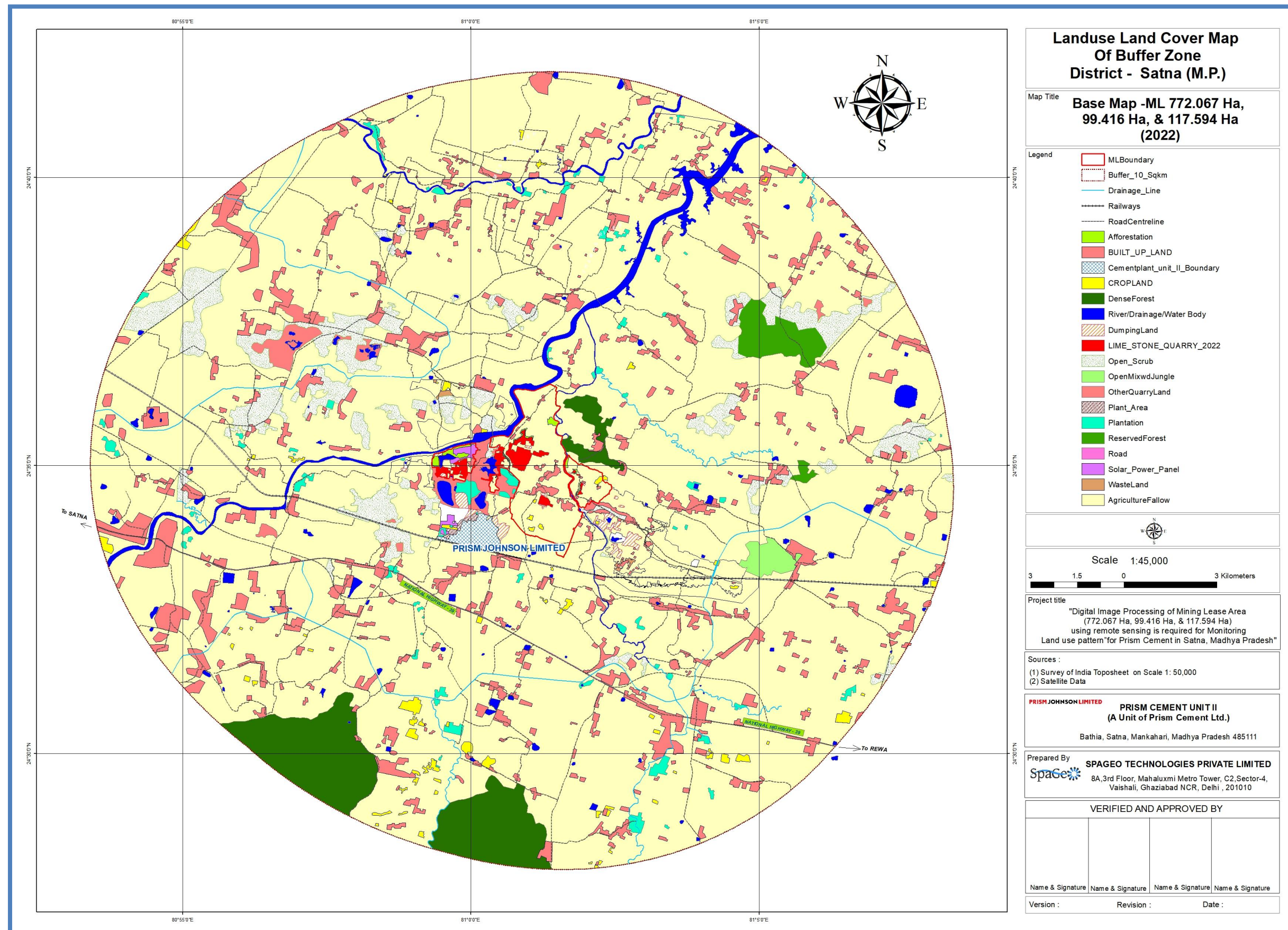


Fig:- 6 Mendhi Lime stone Mine Land use Details 2023 (117.594 Ha)



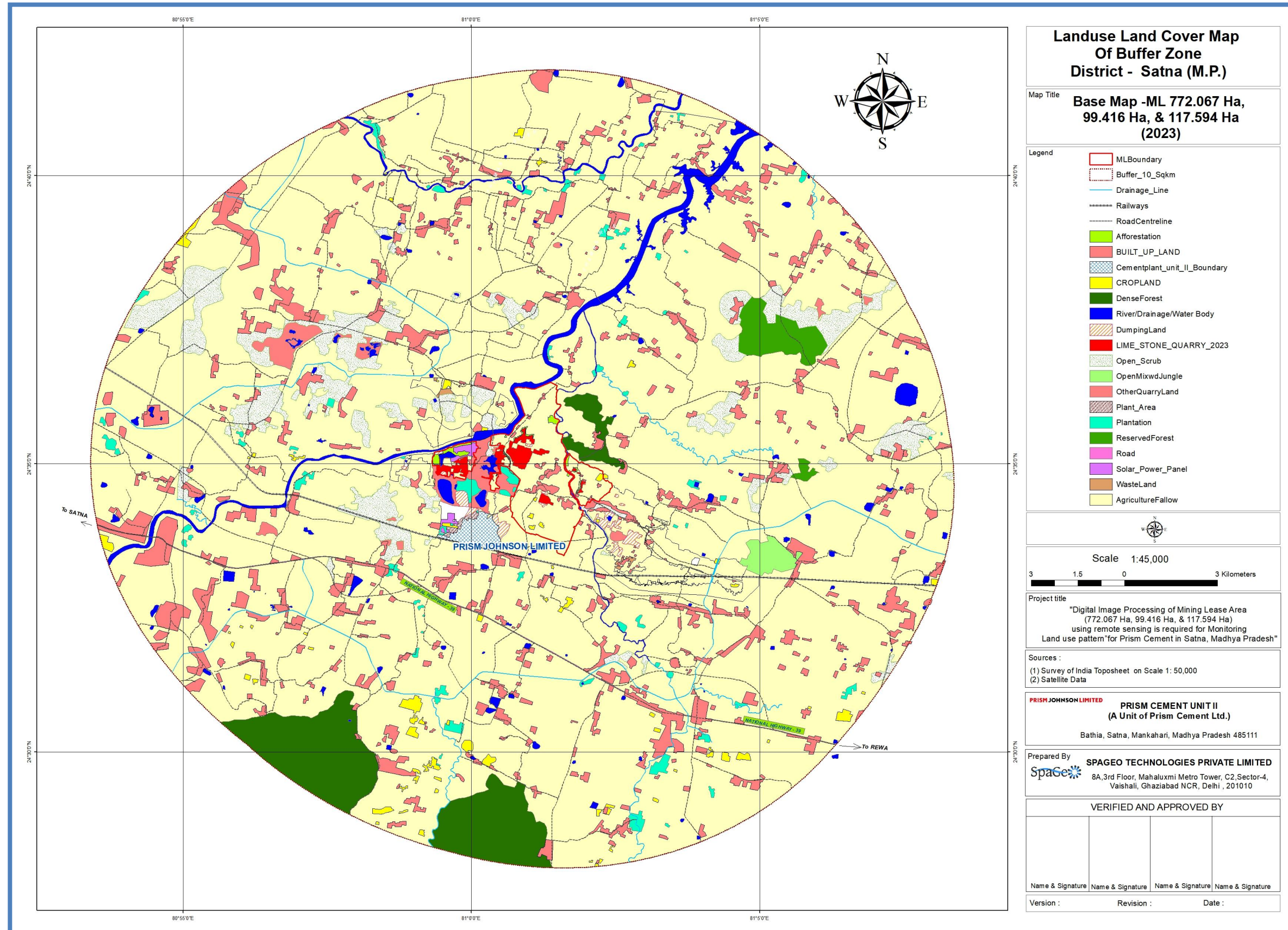
**Fig: 7 Hinouti & Sijhatta and Mendhi Land use/Land Cover Map Of Buffer Zone-2021 (772.067 Ha, 99.416 Ha, 117.594Ha )**





**Fig: 8 Hinouti & Sijhatta and Mendhi Land use/Land Cover Map Of Buffer Zone-2022 (772.067 Ha, 99.416 Ha, 117.594Ha )**












**Fig: 9 Hinouti & Sijhatta and Mendhi Land use/Land Cover Map Of Buffer Zone-2023 (772.067 Ha, 99.416 Ha, 117.594Ha )**








## STATUS OF COMMITMENTS MADE DURING PUBLIC HEARING ON 22.05.2008

S.No .	Name of Candidate	Suggestions & Points Raised	Reply of Project proponent	Present Status
1	Mrs. Guddi Devi, Chairperson "Garib Sangh Samiti" Bamhauri, Satna	a) Admission on merit and free of fee for admission.	Provision for proper facilities will be considered.	Admission is given to the students of surrounding villages as per availability of seats and guidelines of the company. 25% seats have been reserved in the School for local villagers. Present strength of local students from surrounding villigages is 37%
		b) Plantation to be done from plant gate to Mahuracch Junction.	Agreed, plantation will be done during rainy season.	Plantation has been done on road side and around the Mankahari pond. Every year we distribute plantation to villagers and also do planation in surrounding areas. Photographs of roadside plantation is given below:
		<div></div> <div></div>		
		c) Street light facility from plant gate to Mahuracch junction.	Work will be taken up by the management as per financial position of the company.	10 nos of Street lights up to Mahuracch junction is installed. Photographs of the solar lights are given Below
<div></div> <div></div> <div></div> <div></div> <div></div>				



				
		d) Permanent employment to affected person.	Employment will be granted as per rules and regulations of company.	Employment and other facilities are being provided to affected persons as per a requirement and eligible criteria
2	'Sarpanch' village Panchayat - Bathia, Satna	Employment to local villagers of Bamhauri	Employment will be granted as per rules and regulations of company.	Currently More than 80% employment has been given to local residents of MP. Preference is being given to the locals based of their eligibility and skills. Moreover, company conducts skill development programs in area of driving, beautician, stitching, bag making, agarbatti making, candle making etc. The company extends support for formation self help groups & in obtaining benefit of Govt/ Non Govt. schemes.
3	Mithilesh - (Student) Bamhauri, Satna	Appeal of Pollution Control Industry	All pollution control acts will be complied with	<p>All due provisions have been made to combat pollution likely to be caused. Details of APCE's are as under</p> <ol style="list-style-type: none"> <li>1. Raw mill/kiln - RABH (1)</li> <li>2. Cooler - ESP (1)</li> <li>3. Coal Mill - Bag House (1)</li> <li>4. Cement mills - Bag House (2)</li> <li>5. 114 Bag filters installed to cover all the transfer points.</li> <li>6. Arrangement of water sprinkling at crusher hopper and limestone conveyor belt.</li> </ol>

				7. Water Sprinkling on haul roads through tankers. 8. Greenbelt_plantation has been done as per EC condition
4	Mr. Triloki Singh Baghel, Village - Bamhauri, Satna	a) Priority to employment for eligible persons.	Employment will be granted as per rules and regulations of company.	Employment is being given to eligible persons as per the requirement. Moreover, company conducts skill development programs in area of driving, beautician, stitching, bag making, agarbatti making, candle making etc. The company extends support for formation self help groups & in obtaining benefit of Govt/ Non Govt. schemes.
		b) Construction of stadium in the ground of Higher Secondary School.	Action will be taken.	The construction Stadium is complete now and the a photograph is enclosed below. Apart from that all the play grounds of the nearby villages has been developed. Fewo pictures of the stadium is enclosed below
<div></div>				



		c) Permanent water & electricity supply in school.	Adequate action will be taken	Water & Electricity supply are available at school.
		d) Admission for village children to Prism Bhawan School.	Admission will be granted as per rules and regulation of company.	Admission is being given to village students as per availability of seats.
		e) To & Fro school bus facility to Satna for the students of villages.	Provision for proper facilities will be considered.	School bus service has been provided to students commuting between Satna to School.
		f) Distribution of sports material to Panchayat.	Adequate action will be taken.	Study and sports materials are being distributed to village students regularly thorough panchayat.
5	Mrs. Kalawati Singh, Bamhauri, Satna	Provision of facilities from Prism Cement for the land sellers to company	Adequate action will be taken as per rules & regulation of company.	All the possible services are being provided to land losers like Medical, Skill development, help in formation of self help group, loan from govt schemes and employments as per eligibility and requirement free of cost.
6	Mr. Ajit Khureshi, National Civil Human Right Association, Country Head Quarter Delhi, Camp Satna.	Point raised on possible pollution and consequent impact of pollution.	All pollution control acts will be complied with	Regular monitoring of all the pollutants are conducted regularly as per the statutory guidelines and permissions. All the parameters are kept well within the prescribed limit. The reports of the same are shared regularly with the concerned authorities. All due provisions have been made to combat pollution likely to be caused. Details of APCE's are as under 1. Raw mill/kiln - RABH (1) 2. Cooler - ESP (1)



				<p>3. Coal Mill - Bag House (1)</p> <p>4. Cement mills - Bag House (2)</p> <p>5. 114 Bag filters installed to cover all the transfer points.</p> <p>6. Arrangement of water sprinkling at crusher hopper and limestone conveyor belt.</p> <p>7. Water Sprinkling on haul roads through tankers.</p> <p>8. Greenbelt plantation has been done as per EC condition</p>
7	Mr. Shankar Singh, Rtd. Commissioner, (Milk & Dairy Dept), 31 Rachna Nagar, Bhopal	Employment should be provided to effected villagers.	Employment will be granted as per rules & regulations of company.	Currently More than 80% employment has been given to local residents of MP. Preference is being given to the locals based of their eligibility and skills. Moreover, company conducts skill development programs in area of driving, beautician, stitching, bag making, agarbatti making, candle making etc. The company extends support for formation self help groups & in obtaining benefit of Govt/ Non Govt. schemes.
8	Mr. Ramadhar Prasad, Sarpanch, Village - Hinauti, Satna	Necessary assistance & help will be extended by him for the establishment of industry with the protection of environment from pollution	Thanks & All pollution control acts will be complied with	
9	Sarpanch, Village Panchayat - Mankahari, Satna	Expressed his consent to establish the industry	Thanks & Agreed	
10	Sarpanch, Village Panchayat - Sijahata, Satna	Expressed his consent to establish the industry	Thanks & Agreed	
11	Sarpanch, Village Panchayat - Sijahata, Satna	Suggested to plant 10000 saplings, seek help to improve health, sanitation facilities in villages and employment for educated persons.	Agreed, Plantation will be done during rainy season, health, sanitation and employment will be considered as per rules and regulation of company.	<p>Improving green cover in and around plant premises is always company's utmost priority. Saplings are also distributed to village students to promote plantation &amp; to make awareness. 608130 nos of plantation has been done in plants and mines, in addition to this 439422 nos of plant has been planted and distributed in surrounding villages and available barren areas.</p> <p>Villagers seeking medical attention also have easy access to medical centre of Prism Cement Plant free of cost. Apart from this, free medical camps are</p>

				<p>also being regularly organised in nearby villages.</p> <p>Employment is given as per eligibility and requirement. At presesnt at the beginning of this financial year more than 50% work force is local.</p>
12	Mr. Diwakar Pd. Mishra , Mr Shankhadhar Mishra Panch - Village Bamhauri, Satna	Expressed his consent to establish the industry	Thanks & Agreed	-----
13	Mr. Sobha Nath Tiwari, Village - Bamhauri, Satna	Plantation to be done on road side & water spraying on roads.	Agreed.	<p>Plantation is in continuous practice. Saplings are also distributed to villagers.</p> <p>Dedicated water tanker has been engaged on regular basis for water sprinkling roads with higher traffic density</p>
14	Mr. Tejpal Singh Parihar & Mr Shankhadhar Mishra, Village - Hinauti, Satna	Eradication of diseases & pollution from village Hinauti.	Best efforts and assistance will be extended.	Medicals camps and other awareness programmes are being organised by the company.
15	Mr. Ramesh Kumar Tiwari & Sarpanch Village Mankahari, Satna	Expressed his consent to establish the industry	Thanks & Agreed	-----
16	Mr. Girija Prasad Tiwari & Others, Village Panchayat Baghai.	Improvement in tree plantation, health, education, drinking water, employment & setting up of worship places.	All demands will be considered as per rules and regulations of company.	<p>Plantation is in continuous practice. Saplings are also distributed to villagers.</p> <p>Villagers seeking medical attention also have easy access to medical centre of Prism Cement Plant. Apart from this, free medical camps are also being regularly organised in nearby villages.</p> <p>Study materials, bags, uniforms etc. are being distributed to the students of nearby villages.</p> <p>Free drinking water is being supplied through tankers during summer season as per requirement.</p> <p>Renovation of Jabala Baba Temple, construction of Ghat and Yagya Shala has been done by the company.</p>



दूर की सोच

दिनांक: 15.02.2022

प्रति,

सरपंच महोदय  
ग्राम पंचायत मनकहरी  
रामपुर बाघेलान, जिला सतना (म.प्र.)

विषय: सामाजिक उत्तरदायित्व के तहत सरदार वल्लभभाई पटेल स्टेडियम मनकहरी में कराये गये निर्माण कार्यों की सुपुर्दगी बावत।

महोदय,

प्रिज्म जॉनसन लिमिटेड मनकहरी द्वारा सामाजिक उत्तरदायित्व के तहत ग्राम पंचायत मनकहरी में स्थित सरदार वल्लभभाई पटेल में निम्न निर्माण कार्य कराये गये हैं-

1. पवेलियन का निर्माण (मंच, प्रसाधन एवं हाल)
2. 02 मिनी गैलरी का निर्माण
3. स्वागत गेट मय दरवाजा का निर्माण
4. मैदान के चारों तरफ बाउण्ड्रीवाल का निर्माण
5. पीने के पानी हेतु बोरवेल सबमर्सिबल पम्प के साथ

प्रिज्म जॉनसन लिमिटेड द्वारा उक्त निर्मित सुविधायें आज से ग्राम पंचायत मनकहरी को सुपुर्द की जाती हैं।

कृपया प्राप्ति विवरण प्रदान करें।

धन्यवाद

*for*

भवदीय

वास्ते प्रिज्म जॉनसन लिमिटेड

देवेन्द्र मिश्रा

एजीएम. सीएसआर एंड पब्लिक रिलेशंस

*ज.प. बाघे*

*Prady*

ग्राम पंचायत मनकहरी  
ज.प. रामपुर बाघे, जिला सतना (म.प्र.)

**PRISM JOHNSON LIMITED**

(FORMERLY PRISM CEMENT LIMITED)  
(Cement Division)

Works: Village Mankahari, P.O - Bathia, Dist. Satna - 485 111 (M.P.) India T. +91-07672-275301 / 302600

Corres. Add. - 'Rajdeep', Rewa Road, Satna - 485 001 (M.P.) India. T. +91-07672-402726

Registered Office: Prism Johnson Limited, 305, Lakmi Niwas Apartments, Ameerpet, Hyderabad - 500 016, India.

www.prismjohnson.in, www.cement.prismjohnson.in, E: info@prismjohnson.in

CIN: L26942TG1992PLC014033



## कार्यालय ग्राम पंचायत - मनकहरी

जनपद पंचायत- रामपुर बाघेलान, जिला - सतना (म.प्र.)

प्रधान

श्री रामनाथ साकेत

मोबा. : 8982629350, 9685700159



निवास : ग्राम- मनकहरी

पोस्ट- बठिया (रामवन)

तहसील- रामपुर बाघेलान

जिला - सतना (म.प्र.)

क्रमांक .....

दिनांक .....

दिनांक: 23.02.2022

प्रति,

प्रिज्म जॉनसन लिमिटेड  
मनकहरी, सतना (म.प्र.)

विषय: सामाजिक उत्तरदायित्व के तहत सरदार वल्लभभाई पटेल स्टेडियम मनकहरी में कराये गये निर्माण कार्यों की सुपुर्दगी बावत।

महोदय,

प्रिज्म जॉनसन लिमिटेड मनकहरी द्वारा सामाजिक उत्तरदायित्व के तहत ग्राम पंचायत मनकहरी में स्थित सरदार वल्लभभाई पटेल में निम्न निर्माण कार्य कराये गये हैं-

1. पवेलियन का निर्माण (मंच, प्रसाधन एवं हाल)
2. 02 मिनी गैलरी का निर्माण
3. स्वागत गेट मय दरवाजा का निर्माण
4. मैदान के चारों तरफ बाउण्ड्रीवाल का निर्माण
5. पीने के पानी हेतु बोरवेल सबमर्सिबल पम्प के साथ

ग्राम पंचायत मनकहरी प्रिज्म जॉनसन लिमिटेड का उक्त सुविधायों के निर्माण के लिये हृदय से आभारी है। आशा करता है भविष्य में भी ऐसे समाजोपयोगी कार्यों हेतु कंपनी का सहयोग प्राप्त होता रहेगा।

धन्यवाद

भवदीय

रामनाथ साकेत  
ग्राम पंचायत मनकहरी  
रामपुर बाघेलान, जिला सतना (म.प्र.)





## Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

CONSENT NO: \*\*\*

PCB ID: 13880

Outward No: 120159, 30/04/2024

Consent No: AW-60065

The Occupier,

M/s. Prism Johnson Ltd. (Cement Division Unit- II),

Village - Mankahari, P O Bathia,

Mankahari, Tal : Rampur Baghelan,

Dist : Satna (M.P) – 485111.

**Subject:** Grant of **Renewal of Consent to Operate** under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

**Ref:** Your **Renewal of Consent to Operate** Application Receipt No. 1346031 Dt. 19/02/2024 and last communication received on Dt. 04/03/2024.

With reference to your above application for renewal of consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant renewal of consent up to **30/06/2025**, subject to the fulfillment of the terms & conditions, enclosed with this letter and.

### SUBJECT TO THE FOLLOWING CONDITIONS :-

a. Location: Village - Mankahari, P O Bathia, Rajdeep Rewa Road Satna, Tehsil - Rampur Baghelan, District - Satna  
SIDC : I/A Bamori Mankahari, Latitude : 24.5649, Longitude : 81.0043.

b. The capital investment in Crs: Rs. 1408.32

c. Product & Production Capacity:

Product	Qty / year
Cement	6.70 million M.T/Year (Six point Seven million metric ton per year)
Clinker	3.0 million M.T/Year (Three million metric ton per year)
Electricity from DG set (1 X 6 MW)	6 MWH

Note:- 1. The Industry is permitted for Co-Processing of Hazardous wastes (in cement kiln as per the Guidelines and SOP issued by the CPCB) of such type, quantity and conditions mentioned in authorization issued to the industry under Rule -9 of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 vide this office order outward no 115350 dated 15-12-2023.

2. For any change in above industry shall obtain fresh consent from the board.

The Validity of the consent is up to **30/06/2025** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* General conditions

By the order of Chairman, MPPCB

Signature Not Verified

Digitally Signed by : A. A  
Mishra, Member Secretary

Date: 30/04/2024 06:18:10 PM

ACHYUT ANAND MISHRA

Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)

The Certificate generated from mp.nic.in are valid and does not require physical signatures, the certificate can be validated online from xgn.mp.nic.in using "TPAV" Number.

TPAV # D69CB121A



## Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

### **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent of the unit shall not exceed **0.00 KL/day**, and the daily quantity of sewage of the unit shall not exceed **200 KL/day**.

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

**2. Sewage Treatment :-** The applicant shall operate and maintain the STP so as to achieve following standards as notified vide GSR No. 1265(E) Dt. 13.10.2017:

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

3. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

4. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 1290	WWG : 200	Water Source
1	Cooling Water	1000	10.0	Mine Water
2	Domestic Purpose	290	200	Borewell

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent.

7. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **8. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge. ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

### **9. Recording of Monitoring Activities & Results-**

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- The date, exact place and time of sampling
- The dates on which analysis were performed
- Who performed the analysis?
- The analytical techniques or methods used and
- The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.



## Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

### 10. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

### 11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

### 13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

### 14. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

### 15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

### 16. Prohibition of Bypass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- where unavoidable to prevent loss of life or severe property damage, or
- Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

### CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall operate and maintain air pollution control system to achieve the level of pollutants to the following standards:-

Name of section	Stack height(mtrs)	Fuel	Control equipment to be installed	P.M, SOX, NOX(mg/NM3)
Cement Mill	49	---	Bag Filter	30,NA,NA
Coal Mill	65	---	Bag Filter	30,NA,NA
Cooler Exit	50	---	E.S.P	30,NA,NA
D.G. Sets (1x6 MWH)	58	Furnace oil – 350 lit/hr	Acoustic Enclosure	As per MoEF, CC notification &CPCB guidelines
Raw Mill Kiln	110	Coal/Petcoke	Bag Filter	30,700,800

Note:- SO<sub>2</sub> emission norms for Raw Mill Kiln has been incorporated as per the MoEF&CC notification dated 9th May, 2016, the industry shall prepare the action plan for phasing out the use of FO in the DG Sets.

2. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.





## Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele : 0755-2466191, Fax-0755-2463742

- All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.
- The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises.
- All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.
- Industry shall take effective steps for extensive tree plantation preferably in rows of the local tree species with minimum spacing within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

### **Additional Air condition:-**

- The continuous online monitoring system with all emission sources shall be connected with Environment Surveillance Centre, M.P. Pollution control board Bhopal with online remote calibration facility for real time remote surveillance.
- The industry shall provide pneumatic system for the handling of AFR and permitted the use of non hazardous waste as AFR/ raw material with annual maximum quantity as follows (as per CTE outward no 115822 dated 20-06-2022)
 

(1) Biomass-792000 MT,	(2) Dolachar-10000 MT,	(3) FGD Gypsum-130000 MT,
(4) Jarosite (Non-Hazardous)-6000 MT,	(5) MSW/RDF waste-20000 MT,	(6) Non-Haz FMCG waste-3500 MT
(7) Rice Husk-396000 MT,	(8) Tire Chips-26400MT,	(9) Waste cloths cotton waste-20000,
(10) Carbide lime sludge-20650MT,	(11) ETP Bio solids from soft drink industry-2000MT,	(12) Spent carbon from soft drink ind-15000mt
(13) Waste mix liquid 30000MT,	(14) WTP sludge from soft drink Industry-7500MT,	(15) Waste Mix Solid-10000MT,
(16) Synthetic Gypsum-12000MT,	(17) Carbon Black - 18000 MT,	(18) Polythene /Plastic Waste/Pouches - 2105 MT,
(19) Chemical Gypsum – 75000 MT,	(20) Chemical waste Gypsum - 36000 MT	
- The industry is permitted to use Pet Coke-210000 MT/Annum as feed stock or in the manufacturing process.
- The industry shall furnish the online monthly patrak through XGN separately for indigenous /imported pet coke showing the balance quantity at the start of month, quantity procured during the month, the quantity consumed during the month as feedstock or in the manufacturing Process and the balance quantity in the end of the month.
- Arrangements shall be made for the covered storage of Coal/ Pet coke, laterite/bauxite/Red Ochre, Fly ash, Gypsum, Clinkers and AFR. In no case these raw materials shall be stored in open.
- The industry shall maintain the record of co-processing, generation and disposal of the hazardous wastes in the pass book provided by the Board and same shall be produced before the officers of Pollution Control Board during inspection or visit.
- The industry shall dispose the hazardous waste through co-processing as mentioned in the authorization as per SOPs of CPCB guidelines limited to the quantity authorised by the Board.
- The industry shall strictly comply with directions issued by CPCB/SPCB/MoEFCC/Hon'ble NGT from time to time.

### **GENERAL CONDITIONS:**

- The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

#### **Non Hazardous Solid wastes:- (If any)**

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc	Record should be maintained	Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

- The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:
  - To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.



## Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele :  
0755-2466191, Fax-0755-2463742

- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
  - c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
  - d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
  - e. To sample at reasonable times any discharge or pollutants.
3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.
  4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
  5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional.
  6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.
  7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.
  8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorization.
  9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
  10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
  11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
  12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
    - (a) Violation of any terms and conditions of this Consent.
    - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
    - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
  13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.
  14. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.
  15. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.
  16. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis.
  17. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month.

### **Additional condition:-**

1. The industry shall operate the Outdoor HD Industrial grade IP (Internet Protocol) Cameras with pan-Tilt-Zoom (PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point shall be kept operational & in working order and connect the same with Environment Surveillance Centre of MP Pollution control board Bhopal for remote surveillance.
2. Industry shall ensure regular operation and maintenance of canyons water foggers installed in the plant. They must be kept in working condition at all times.



## Consent Order



M.P. Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 16 MP, Tele :  
0755-2466191, Fax-0755-2463742

3. Industry shall obtain valid registration under PWM Rules 2016 as amended and Register on the EPR portal of CPCB as per applicable Rules.
4. The industry shall strictly comply with directions issued by CPCB/SPCB/MoEFCC/Hon'ble NGT from time to time.
5. The industry shall install separate Digital Water meter with digital flow recording connectivity with server of Environment Surveillance Centre, M P Pollution Control Board Bhopal for remote surveillance.
6. The industry shall provide Rain water harvesting system for ground water conservation and recycle treated waste water in plantation And flushing.
7. Industry shall obtain NOC from Central Ground Water Authority (CGWA) for extraction of Ground water.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorization. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

**For and on behalf of  
M.P. Pollution Control Board**

**By the order of Chairman, MPPCB**

**ACHYUT ANAND MISHRA**  
**Member Secretary**



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*This Certificate signed by [xgn.mp.nic.in](http://xgn.mp.nic.in) are valid and does not require physical signatures, the certificate can be validated online from [xgn.mp.nic.in](http://xgn.mp.nic.in) using "TPAV" Number.*

TPAV # D69CBF121A

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**Consent No:AW-60065**





# M.P. Pollution Control Board

E-5, Arera Colony Paryavaran Parisar, Bhopal - 16 MP Tele : 0755-2466191, Fax-0755-2463742



## Consent Order

RED-LARGE

CCA-Renewal

PCB ID: 19633

To, **Outward No. 121040-23/09/2024**

Consent No:AW-61070

**M/s. Prism Johson Ltd. Lime Stone Mines (Hinauti, Saijahata Area 99.416 Hect.),**

**Village- Hinauti, Saijahata II, Tehsil- Rampur Baghelan,  
Dist. -Satna, (M.P.) Latitude : 24.5845 Longitude : 81.0098**

**Subject: Grant of Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981**

**Ref: Renewal of Consent Application R No. 1396496 Dt. 20/08/2024 and last communication received on Dt.04/09/2024**

With reference to your above application for Renewal of Consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/01/2027**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location:** Area:99.416Hect., Village- Hinauti, Saijahata II, Tehsil- Rampur Baghelan, Dist. -Satna, (M.P.)
- Mining Lease area:** 99.416 Hect.
- Product & Production Capacity:**

Activity / Product	Qty / year
Mining Of Limestone	75,000 Metric Tons Per Year

- For any change in above industry shall obtain fresh consent from the Board.
- PP shall ensure that mining is done in sanctioned lease area as per valid mining plan approved by Regional Controller of Mines IBM Jabalpur for period till 31.03.2027 vide letter No. RMP-50 /2021-22 dated 20.12.2021 & in compliance of the conditions laid in EC granted by MoEF&CC GOI New Delhi vide No. J-11011/949/2007/IA-II(I) dated 22.09.2008.
- The project proponent shall follow the mitigation measures as provided in the MoEFCC GoI OM No. Z-11013/5712014-IA.II(M) dated 29<sup>th</sup> October 2014, titled ' Impact of mining activities on habitations - issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations & villages are surrounded by the mine lease area.' PP shall also have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in EC granted by the MoEF&CC /SEIAA regarding providing offset from the roads (kuchha or pucca) and development of plantations/green belt.
- PP shall have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in the EC granted by the MoEF&CC / SEIAA, pertaining to distance of mining activity from any residential/public buildings, inhabited sites, National/State Highways/district roads, Railway lines/area, ropeways, bridges, dams /reservoirs or any other water body. Mining to be done as per the site specific guidelines of the DGMS & Explosives department of the GOI . The regulations for danger zone (500 Metres) prescribed by Directorate General of Mines Safety shall also be complied compulsorily and necessary measures should be taken to minimise the impact of mining generated dust,noise and vibrations on the environment.
- Solid waste generated during mining process shall be stacked at earmarked site which shall be properly surrounded by garland drains & settling pits of adequate sizes so that no Soil/Silt/waste rock is discharged outside the mine lease area/ nearby water body blocking the natural flow of any nallah/river/pond. Top Soil / OB dump shall be biologically reclaimed.
- Evacuation of mineral shall not be through any village or forest area. PP shall provide pucca (Concreted/Ashphalted) approach road from main road to the mine site & ensure thick plantation on both side of this road to prevent dust/noise pollution.
- The dust generated during transportation of mineral & deposited on Approach/Haul roads shall be regularly removed by the road sweeping machines & suppressed by intermittent sprinkling of water on roads using pressurized water tankers of adequate capacity. PP shall practice regular compaction of loose material of haulage road & regular water sprinkling shall be done for control of generated fugitive emissions. Main haulage Road shall be provided with mist forming permanent water sprinklers on both sides to ensure control of dust during mineral transportation.

The Validity of the consent is up to **31/01/2027** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

### **Enclosures:-**

**\* Conditions under Water Act\* Conditions under Air Act\* General conditions**

CC to :-

- District Mining Officer, (Mining Section), Collector office, **Satna Dist. Satna (M.P.)** for information.
- Director, Geology & Mining Khanij Bhawan 29-A, Arera Hills, , Bhopal (M.P.) for necessary action please.
- Regional officer, Regional office, MPPCB,**Satna (M.P.)**

By the order of Chairman, MPPCB

Signature Not Verified  
Digitally Signed by : A. A  
Mishra, Member Secretary  
Date: 23/09/2024 12:17:49 PM

**ACHYUT ANAND MISHRA**  
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # X23VDFWQ1C

## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

### **Sector Specific Water condition:-**

- 1 Mines shall take effective steps to check the soil erosion from waste material dumping area to prevent siltation problem in near by nalla/river pond during rainy season. All the slopes of external dumps of over burden should be maintained at a maximum of 28 degrees. The check bunds shall be constructing for control of surface run off .
- 2 a. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road.  
b. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks of suitable sizes shall be provided.  
c. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into nearby nallah/ river/ pond during the rainy season. Mine shall have to inform about the progress regularly to the Board.  
d. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and other beneficial purposes..  
e. Regular de-silting of drains and pits should be carried out. Adequate provisions of water for irrigating the plantations shall be made by PP.
- 3 Water sprinkling with adequately designed nozzle which produces tiny droplets of water should be provided during raw materials unloading.
- 4 a. **Blasting shall be done preferably** on holiday / week end. No blasting to be done within 200 meters of any residential housing establishment. PP shall ensure that blasting is done in compliance of various directives issued by Department of Explosives Govt. Of India.  
b. Controlled blasting should be practiced with use of delay detonators only during day time between 10.0 AM to 4.0 PM.  
c. To avoid vibration, no overcharging shall be carried out during blasting, and muffle blasting shall be adopted.  
d. Top soil/solid waste shall be stacked with proper slope and adequate safeguards; it shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area.  
e. Top soil shall be separately stacked for biological reclamation and shall not be stacked along with over burden. Top soil shall be simultaneously used for plantations within lease area and no OB/waste shall be stacked outside the lease area.

**1. The daily quantity of trade effluent of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 0.600 KL/day.**

#### **2. Trade Effluent Treatment:-**

The applicant shall operate and maintain effluent treatment system properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD <sub>3</sub> Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

#### **3. Sewage Treatment :-** The applicant shall operate and maintain Sewage Treatment System properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD <sub>3</sub> Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 6.000	WWG : 0.600	Water Source	Remark
1	Domestic Purpose	1.000	0.600	Tankers	Eff .treated through Septic Tank Soak pit.
2	Dust Suppression	5.000	0.000	Mine Water	Mine pit water to be used on priority.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

**Consent No:AW-61070**

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent
7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area
8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

**9. Compilation of Monitoring data-**

- i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge. ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

**10. Recording of Monitoring Activities & Results-**

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
- (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

**11. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

**12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

**13. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

**14. Disposal of Collected Solid waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludge, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

**15. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

**16. Prohibition of Bypass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.



**CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall operate and maintain air pollution control system to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Control equipment to be installed	SPM/RSPM/SO <sub>2</sub> /NO <sub>x</sub> (Time weighted Average)* (µg/Nm <sup>3</sup> )
Loading-unloading, Haul road, Transportation etc,	Fugitive Emission	Dust Collector, Dust Suppressor, Green Belt, Water Sprinkler, Wind Breaking Wall,	Annual average : 430 / 215/80/80 24 hour average : 600/300/120/120

2. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

8. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

**Sector Specific Air condition:-**

1 Controlled blasting should be practiced with the use of delay detonators and only during daytime. The meditative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented. Only wet drilling of holes shall be practiced.

2 Extensive tree plantation shall be carried out in open area available within and around the mine premises and also over burden dumps in consultation with expert agency; Good housekeeping practice shall be adopted.

3 The mine management shall take preventive measures to control Fugitive dust emission from all the sources should be controlled effectively and duly monitored.

4 Water spraying arrangement on haul roads, dump trucks (loading & unloading) point should be provided and properly maintained.

5 Mines management shall have to make suitable arrangement for handling and disposal of solid waste, over burden etc.

6 Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.

## **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc		Re-Use/Sale to M.P. Pollution Control Board's authorized party

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. This consent may not be taken as a measures of proof that mine has not violated pollution control law at any period of time in the past.

11. Mine Management shall comply with all the relevant Acts/Rules, directions, guidelines issued by MoEF/CPCB/ MPPCB from time to time as required and (if applicable).

12. Mine Management shall comply with the direction of Hon'ble Supreme Court, National Green Tribunal & Hon'ble High Court issued in the relevant writ petitions.

13. Mine shall have to close down the mining activities in case there is any public complaint regarding health & environmental degradation and Board find the facts correct and direct the mine to do so at any time.

14. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

**Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.**

For and on behalf of  
M.P. Pollution Control Board



**ACHYUT ANAND MISHRA**  
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # X23VDFWQ1C

**Consent No:AW-61070**



# M.P. Pollution Control Board

E-5, Arera Colony Paryavaran Parisar, Bhopal - 16 MP Tele : 0755-2466191, Fax-0755-2463742



## Consent Order

RED-LARGE

CCA-Renewal

PCB ID: 19634

To,

The Occupier,

Outward No: M2075425/1612024  
M.P. Pollution Control Board Ltd. Medhi Lime Stone Mines, Area 117.594 Hect,

Consent No:AW-60542

Village- Medhi, Tehsil - Rampur Baghelan,  
Distt. -Satna (M.P.)Latitude : 24.5751 Longitude : 81.0314

Subject: Grant of Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Renewal of Consent Application R No. 1372753 Dt. 10/06/2024 and last communication received on Dt.14/06/2024

With reference to your above application for Renewal of Consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/12/2025**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Area:117.594 ha. at Village- Medhi, Tehsil - Rampur Baghelan, Distt. -Satna (M.P.)
- Mining Lease area: 117.594 ha
- Product & Production Capacity:

Product / Activity	Qty / year
Mining of Limestone	19,00,000 Metric Ton per year

- For any change in above industry shall obtain fresh consent from the Board.
- PP shall ensure that mining is done in sanctioned lease area as per valid mining plan approved by Regional Controller of Mines IBM Jabalpur for period till 31.03.2026 and mining shall be done in compliance of the conditions laid in EC granted by MoEF & CC vide letter No. J-11011/949/2007/IA-II(I)dated 22.09.2008.
- The project proponent shall follow the mitigation measures as provided in the MoEFCC GoI OM No. Z-11013/5712014-IA.II(M) dated 29<sup>th</sup>October 2014, titled ' Impact of mining activities on habitations - issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations & villages are surrounded by the mine lease area.' PP shall also have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in EC granted by the MoEF&CC /SEIAA regarding providing offset from the roads (kuchha or pucca) and development of plantations/green belt.
- PP shall have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in the EC granted by the MoEF&CC / SEIAA, pertaining to distance of mining activity from any residential/public buildings, inhabited sites, National/State Highways/district roads, Railway lines/area, ropeways, bridges, dams /reservoirs or any other water body. Mining to be done as per the site specific guidelines of the DGMS & Explosives department of the GOI . The regulations for danger zone (500 Metres) prescribed by Directorate General of Mines Safety shall also be complied compulsorily and necessary measures should be taken to minimise the impact of mining generated dust,noise and vibrations on the environment.
- Solid waste generated during mining process shall be stacked at earmarked site which shall be properly surrounded by garland drains & settling pits of adequate sizes so that no Soil/Silt/waste rock is discharged outside the mine lease area/ nearby water body blocking the natural flow of any nallah/river/pond. Top Soil / OB dump shall be biologically reclaimed.
- Evacuation of mineral shall not be through any village or forest area. PP shall provide pucca (Concreted/Ashphalted) approach road from main road to the mine site & ensure thick plantation on both side of this road to prevent dust/noise pollution.
- The dust generated during transportation of mineral & deposited on Approach/Haul roads shall be regularly removed by the road sweeping machines & suppressed by intermittent sprinkling of water on roads using pressurized water tankers of adequate capacity. PP shall practice regular compaction of loose material of haulage road & regular water sprinkling shall be done for control of generated fugitive emissions. Main haulage Road shall be provided with mist forming permanent water sprinklers on both sides to ensure control of dust during mineral transportation.

The Validity of the consent is up to **31/12/2025** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

### Enclosures:-

\* Conditions under Water Act\* Conditions under Air Act\* General conditions

CC to :-

- District Mining Officer, (Mining Section), Collector office, **Satna** Dist. **Satna** (M.P.) for information.
- Director, Geology & Mining Khanij Bhawan 29-A, Arera Hills, , Bhopal (M.P.) for necessary action please.
- Regional officer, Regional office, MPPCB, **Satna** (M.P.)

By the order of Chairman, MPPCB

Signature Not Verified  
Digitally Signed by : A. A  
Mishra, Member Secretary  
Date: 25/06/2024 05:48:49 PM

ACHYUT ANAND MISHRA  
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # HOXQGG402D



**CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

**Sector Specific Water condition:-**

1 Mines shall take effective steps to check the soil erosion from waste material dumping area to prevent siltation problem in near by nalla/river pond during rainy season. All the slopes of external dumps of over burden should be maintained at a maximum of 28 degrees. The check bunds shall be constructing for control of surface run off .

2 a. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road.

b. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks of suitable sizes shall be provided.

c. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into nearby nallah/ river/ pond during the rainy season. Mine shall have to inform about the progress regularly to the Board.

d. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and other beneficial purposes..

e. Regular de-silting of drains and pits should be carried out. Adequate provisions of water for irrigating the plantations shall be made by PP.

3 Water sprinkling with adequately designed nozzle which produces tiny droplets of water should be provided during raw materials unloading.

4 a. Blasting shall be done once in 15 days, preferably on holiday / week end. PP shall ensure that blasting is done in compliance of various directives issued by Department of Explosives Govt. Of India.

b. Controlled blasting should be practiced with use of delay detonators and only during day time between 10.0 AM to 4.0 PM.

c. To avoid vibration, no overcharging shall be carried out during blasting, and muffle blasting shall be adopted.

d. Top soil/solid waste shall be stacked with proper slope and adequate safeguards; it shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area.

e. Top soil shall be separately stacked for biological reclamation and shall not be stacked along with over burden. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area.

1. The daily quantity of trade effluent of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 7.000 KL/day

2. Trade Effluent Treatment:-

The applicant shall operate and maintain effluent treatment system properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
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For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

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Suspended Solids	Not exceed	100 mg/l.
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Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 30.500	WWG : 7.000	Water Source	Remark
1	Domestic Purpose	0.500	7.000	Tankers	Eff .treated through Septic Tank Soak pit.
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6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working

**Consent No:AW-60542**

order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

**9. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge. ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

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- (i) The date, exact place and time of sampling
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iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

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Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

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The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

**CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall operate and maintain air pollution control system to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Control equipment to be installed	SPM/RSPM/SO <sub>2</sub> /NO <sub>x</sub> (Time weighted Average)* (µg/Nm <sup>3</sup> )
Loading-unloading, Haul road, Transportation etc,	Fugitive Emission	Dust Collector, Dust Suppressor, Green Belt, Water Sprinkler, Wind Breaking Wall,	Annual average : 430 / 215/80/80 24 hour average : 600/300/120/120

2. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

8. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

**Sector Specific Air condition:-**

1 Controlled blasting should be practiced with the use of delay detonators and only during daytime. The meditative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented. Only wet drilling of holes shall be practiced.

2 Extensive tree plantation shall be carried out in open area available within and around the mine premises and also over burden dumps in consultation with expert agency; Good housekeeping practice shall be adopted.

3 The mine management shall take preventive measures to control Fugitive dust emission from all the sources should be controlled effectively and duly monitored.

4 Water spraying arrangement on haul roads, dump trucks (loading & unloading) point should be provided and properly maintained.

5 Mines management shall have to make suitable arrangement for handling and disposal of solid waste, over burden etc.

6 Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc		Re-Use/Sale to M.P. Pollution Control Board's authorized party

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. This consent may not be taken as a measure of proof that mine has not violated pollution control law at any period of time in the past.

11. Mine Management shall comply with all the relevant Acts/Rules, directions, guidelines issued by MoEF/CPCB/ MPPCB from time to time as required and (if applicable).

12. Mine Management shall comply with the direction of Hon'ble Supreme Court, National Green Tribunal & Hon'ble High Court issued in the relevant writ petitions.

13. Mine shall have to close down the mining activities in case there is any public complaint regarding health & environmental degradation and Board find the facts correct and direct the mine to do so at any time.

14. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

By the order of Chairman, MPPCB  
For and on behalf of  
M.P. Pollution



**ACHYUT ANAND MISHRA**  
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # HOXQGG402D

**Consent No:AW-60542**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE Outward No:119666,04/02/2024	CCA-Renewal	CONSENT NO: *** Consent No:AW-59615	PCB ID: 19429
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To,  
The Occupier,  
M/s. Prism Johnson Ltd. Lime Stone Mines,  
Area- 772.067 ha., Latitude : 24.5500 Longitude : 80.9900  
Village- Hinauti, Sijahata, Tehsil- Rampur Baghelan, Distt- Satna (M.P.)

Subject: Grant of Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Renewal of Consent Application RNo. 1334778 Dt. 27/12/2023 and last communication received on Dt.05.01.2024

With reference to your above application for Renewal of Consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/05/2025**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

## **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location: Village- Hinauti, Sijahata, Tehsil- Rampur Baghelan, Distt- Satna (M.P.)
- Mining Lease area: 772.067 ha,
- Product & Production Capacity:

Activity / Product	Qty / year
Mining of Lime Stone	0.825 Million Tons per year

- For any change in above industry shall obtain fresh consent from the Board.
- PP shall ensure that mining is done in sanctioned lease area as per valid mining plan approved by Regional Controller of Mines IBM Jabalpur for period till 31.03.2025 vide letter No. RMP-39/19-20 dated 31.03.2020 & in compliance of the conditions laid in EC granted by MoEF & CC GOI New Delhi vide L. No. J-11011/949/20007-IA.II (I) dated 22.09.2008.
- PP shall ensure that area within 50 meters from kachcha road & within 100 meters from pucca road/ residential area shall be reserved for development of plantations and demarcation of such area shall be done by the Revenue Officials in presence of Distt. Mining Authorities.
- As per the directions given by Hon. NGT in OA No. 304/2019, PP shall ensure that no mining is done within 100 meters of any residential/public buildings, inhabited sites, protected monuments, heritage sites, National/State highways/District Roads, Railway lines/area, ropeways, bridges, dams/ reservoirs or any other water body; and mining between 100 - 200 meters of aforesaid structures shall be done without use of explosives using rock breakers etc. The regulations for danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimise the impact on environment. Muffled blasting using delay detonator techniques to minimise the ill effects of basting shall be done preferably on holidays.
- Solid waste generated during mining process shall be stacked at earmarked site which shall be properly surrounded by garland drains & settling pits of adequate sizes so that no Soil/Silt/waste rock is discharged outside the mine lease area/ nearby water body blocking the natural flow of any nallah/river/pond. Top Soil / OB dump shall be biologically reclaimed.
- Evacuation of mineral shall not be through any village or forest area. PP shall provide pucca (Concreted/Ashphalted) approach road from main road to the mine site & ensure thick plantation on both side of this road to prevent dust/noise pollution.
- The dust generated during transportation of mineral & deposited on Approach/Haul roads shall be regularly removed by the road sweeping machines & suppressed by intermittent sprinkling of water on roads using pressurized water tankers of adequate capacity. PP shall practice regular compaction of loose material of haulage road & regular water sprinkling shall be done for control of generated fugitive emissions. Main haulage Road shall be provided with mist forming permanent water sprinklers on both sides to ensure control of dust during mineral transportation.

The Validity of the consent is up to **31/05/2025** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

## **Enclosures:-**

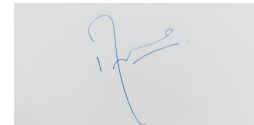
\* Conditions under Water Act\* Conditions under Air Act\* General conditions

- CC to :-
- 1.District Mining Officer, (Mining Section), Collector office, Satna Dist. Satna (M.P.) for information.
  2. M.P. State Mining Corporation, Arera Hills, Jail Road, Bhopal (M.P.) for necessary action please.
  3. Regional officer, Regional office, MPPCB, Satna (M.P.)

By the order of Chairman, MPPCB



Signature Not Verified  
Digitally Signed by : Avinash  
Lavania, IAS  
Date: 04/02/2024 12:47:01 PM



**AVINASH LAVANIA**  
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 127848463C

**CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 2.000KL/day.

2. Trade Effluent Treatment:-

The applicant shall operate and maintain effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD <sub>3</sub> Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

TDS	Not exceed	2100 mg/l.
Chlorides	Not exceed	1000 mg/l.

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. Sewage Treatment :- The applicant shall operate and maintain sewage treatment facility to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 43.500	WWG : 2.000	Water Source	Remark
1	Domestic	3.500	2.000	Borewell	Treated through septic tank Soak pit
2	Dust suppression / Plantation	40.000	0.000	Mine Water	Water stored in mine pit to be used.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

**9. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.



#### **10. Recording of Monitoring Activities & Results-**

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### **11. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### **12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### **13. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### **14. Disposal of Collected Solid waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludge, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

#### **15. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### **16. Prohibition of Bypass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

18. The mine management shall maintain zero discharge condition.

19. Mine management shall made arrangements for ground water recharge.

20. Mine management shall ensure that the silt shall not flow to the nearby water body.

21. Toilets for the labors should be provided

**CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall operate and maintain air pollution control system to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Control equipment to be installed	SPM/RSPM/SO <sub>2</sub> /NO <sub>x</sub> (Time weighted Average)* (µg/Nm <sup>3</sup> )
Loading-unloading, Haul road, Transportation, Crusher etc,	Fugitive Emission	Dust Collector, Dust Suppressor, Green Belt, Water Sprinkler, Wind Breaking Wall,	Annual average : 430 / 215/80/80 24 hour average : 600/300/120/120

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

7. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

8. Mine management shall install CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and in the vicinity. The mine management shall provide suitable connectivity of CAAQMS with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.

9. PP shall ensure that the approach road from mine to the cement plant shall be made concreted / or tarred in time bound manner with in period of 1 year .

10. Drills shall be wet operated to reduce the fugitive emission.

11. Mining area should be surrounded by green belt having thick canopy of the tree cover.

12. Progressive afforestation plan shall be implemented at the end of mining, which include reclaimed external OB dump area, internal OB dump area and green belt and in township located outside the lease.

13. Sufficient number of water tanker for water sprinkling shall be provided for the control of fugitive emission from road transportation.

**GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

**Non Hazardous Solid wastes:-**

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc		Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

**Additional condition:-**

1. The Mine shall optimize the water abstraction from the surface water source by utilizing the mine discharge for spraying on haul roads, mine area and loading - unloading area after proper treatment.

2. No effluent shall be discharged outside the Mine premises in any circumstances; hence Zero discharge condition shall be maintained.

3. Adequate & effective precautionary measures shall be taken before and during operation, maintenance and cleaning of pollution control system to avoid any accidental hazard.

4. Extensive tree plantation shall be carried out in open areas available within and around the mine premises in consultation with expert agency. Good housekeeping practice shall be adopted.

5. Overburden dumps shall be stored at the earmarked location along with proper stabilization arrangements and retaining wall. Keeping the overall slope as 28° filled. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into nearby nallah/ river/ pond during the rainy season.

6. The Over Burden dumps shall be backfilled and scientifically vegetated with suitable native species to prevent erosion and surface runoff. Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt / sediment flow from soil or OB dumps.

**Consent No:AW-59615**

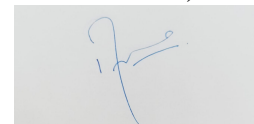


7. Mine Management shall construct Garland drain of appropriate size, gradient and length and sump capacity shall be designed keeping 50% safely margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. The garland drain shall be stone pitched / lined to prevent the soil erosion. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
8. Top soil shall be scraped & separately stacked with proper slope and adequate safeguards; it shall be utilized for carpeting over the backfilled area and rehabilitation of mined out area
9. Mine management shall provide artificial recharger measures, rain water harvesting system.
10. The Mine shall improve their existing pollution control facilities and maintain the same properly so that the emission could be maintained within the prescribed standards.
11. Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
12. Mine management shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
13. Mine shall ensure compliance of all the conditions mentioned in Environmental Clearance order.
14. Mine shall comply with the provisions of all the relevant Acts/Rules/Directions/Guidelines issued by MoEF/ CPCB/ MPPCB time to time as required and if applicable.
15. Mine shall comply with the Directions/ Orders issued by Hon'ble Supreme Court/ High Court/ NGT time to time in the relevant Writ Petitions.
16. Mine management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source.
17. Mine management shall establish suitable connectivity of IP-Camera with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.

**Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.**

**For and on behalf of  
M.P. Pollution Control Board**

**By the order of Chairman, MPPCB**



**AVINASH LAVANIA  
Member Secretary**



**(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 127848463C**

**Consent No:AW-59615**

Sample Number : VTL/WW/03

M/s PRISM JOHNSON LIMITED  
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

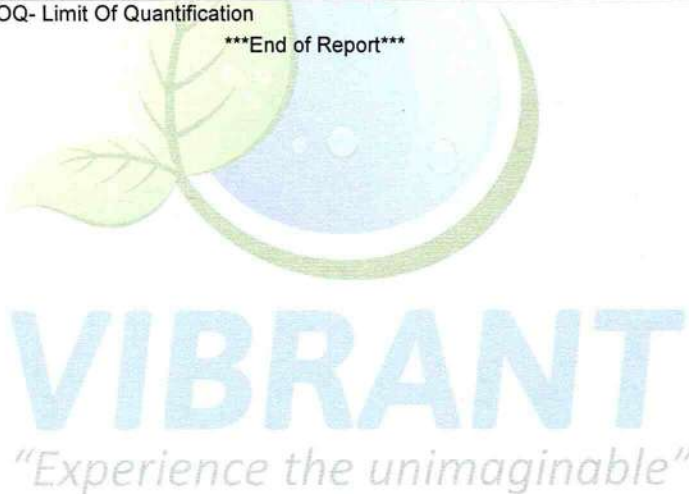
Sample Description : Waste Water  
Sampling Location : Mine Workshop  
Sample Collected By : VTL Team  
Preservation : Suitable Preservation  
Method of sampling : IS :3025

ULR No. : TC1122724000001314F  
Report No. : VTL/WW/2406280003/A  
Format No : 7.8 F-01  
Party Reference No : NIL  
Report Date : 06/07/2024  
Period of Analysis : 28/06/2024-06/07/2024  
Receipt Date : 28/06/2024  
Sampling Date : 27/06/2024  
Sampling Type : Grab  
Sample Quantity : 2 Ltr.  
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.42	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	30.4	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 2023	941.0	mg/l	2100
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C )	IS: 3025 (P-44): 2023	10.0	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	42.69	mg/l	250

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory



Page No. 1/1

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/WW/03

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name &amp; Address of the Party :

Sample Description : Waste Water

Sampling Location : Mine Workshop

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/WW/2406280003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 06/07/2024

Period of Analysis : 28/06/2024-06/07/2024

Receipt Date : 28/06/2024

Sampling Date : 27/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 &amp; 24.564754

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	APHA: 9221 C: 2023	29	MPN/100 ml	---

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Quantification

\*\*\*End of Report\*\*\*

**VIBRANT***"Experience the unimaginable"*

Checked by



RK Yadav

Lab Incharge

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# **Management Information System Various Medical Parameters Of Employees at**

**PRISM JOHSON LIMITED  
MANKAHARI,PO:BATHIA  
DIS:SATNA,MADHYA PRADESH  
SPUTUM SUMMARY**

**DATE: 11 DEC 2023 TO 18 DEC 2023**

**Conducted and Compiled**

**By**

**Dr. Deepak P. Deotale**

**M.B.B.S.A.F.I.H**

**Reg. No. (48366)**

**(Associated fellow of industrial health)Reg.No.48366**

**Clinic: Vinayak Apt.3<sup>rd</sup> floor Dhantoli Lokmat Chowk Nagpur.**

**(Clinic Reg. No. 699) Ph. no; 9860204241**

**Email ID:- deotaledeepak19577@gmail.com**

**PRISM JOHNSON LIMITED**  
**MANKAHARI,PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
**SPUTUM SUMMARY**  
**CHECK UP DATE: 11 DEC 2023 TO 18 DEC 2023**

SR.NO	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
1	1	503423	Bhai Lal Adiwasi	Blasting Helper	55	6267662162	Male	Mines	PCL	NEGATIVE
2	2	503478	Ranjeet Singh	HEO/Explosive van	48	9575670668	Male	Mines	PCL	NEGATIVE
4	4	503430	Gore Lal Kol	Excavator Operator	49	7509528446	Male	Mines	PCL	NEGATIVE
5	5	503424	Ram Vishwas Kol	HEO/Excavator Operator	44	6261714334	Male	Mines	PCL	NEGATIVE
6	6	503451	Subhkaran Singh	HEO/Excavator Operator	56	7869941173	Male	Mines	PCL	NEGATIVE
7	7	503343	Ganesh Pratap Singh	Mech. Helper/Mech.	46	9425885696	Male	Mines	PCL	NEGATIVE
9	9	102235	Nagesh Dhawai	Dy. Manager. Mines	55	9424318644	Male	Mines	PCL	NEGATIVE
11	11	504327	Roshan Lal Basor	Diesel Tanker Helpe	44	8370030344	Male	Mines	PCL	NEGATIVE
12	12	503218	Dharmendra Kumar	Drill Operator	48	9630564713	Male	Mines	PCL	NEGATIVE
13	13	503314	Rajendra Singh	Helper	48	8964836373	Male	Mines	PCL	NEGATIVE
14	14	503627	Mukesh Kumar Singh	Mech. Helper	44	9522034540	Male	Mines	PCL	NEGATIVE
15	15	503662	Heeralal Singh	Helper	48	9575947553	Male	Mines	PCL	NEGATIVE
17	17	503798	Sundar Lal Sahu	Dumper Operator	46	7024526337	Male	Mines	PCL	NEGATIVE
18	18	503755	Sarju Rawat	Haywa/JCB Operator	47	9685946335	Male	Mines	PCL	NEGATIVE
19	19	503060	Vishnu Pati Tiwari	Drill Operator	48	7803978806	Male	Mines	PCL	NEGATIVE
20	20	503830	Nand Kishore Sen	Dumper/Excavator Opt.	48	9893907458	Male	Mines	PCL	NEGATIVE
21	21	503597	Ram Khelawan Kumhar	Mech. Helper	47	8989521129	Male	Mines	PCL	NEGATIVE
22	22	503912	Rajesh Singh	Dumper Operator	41	8959859570	Male	Mines	PCL	NEGATIVE
23	23	101870	Rajesh Kumar Singh	A G Manager Maint.	52	9584464086	Male	Mines	PCL	NEGATIVE
24	24	103746	Umesh Singh	Mining Mate	45	9630420451	Male	Mines	PCL	NEGATIVE
25	25	103759	Pradeep Kumar Singh	Mining Mate	39	9140882898	Male	Mines	PCL	NEGATIVE
27	27	103844	Shubham Kumar Umarvaishya	Sr Executive Mech.	26	7618885816	Male	Mines	PCL	NEGATIVE
28	28	503859	Pushpraj Singh	Helper	57	9936876145	Male	Mines	PCL	NEGATIVE
29	29	102983	Anoop Kumar Mishra	Mine Foreman	51	9755659859	Male	Mines	PCL	NEGATIVE
30	30	503256	Rajlalan Singh	Dumper/Excavator Opt.	46	8839694888	Male	Mines	PCL	NEGATIVE
31	31	504298	Gyani Raidas	Excavator Operator	51	9754805520	Male	Mines	PCL	NEGATIVE

**PRISM JOHNSON LIMITED**  
**MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
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SRL NO	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
32	32	503311	Akshya Vishwakarma	Dumper Operator	43	9575844659	Male	Mines	PCL	NEGATIVE
33	33	503264	Ramkaran Singh	Helper	47	7067667268	Male	Mines	PCL	NEGATIVE
35	35	503254	Govind Singh	HEO/Excavator Operator	50	7828426209	Male	Mines	PCL	NEGATIVE
36	36	503116	Pawan Kumar Shukla	HEO/Excavator Operator	56	7489150565	Male	Mines	PCL	NEGATIVE
37	37	503099	Tejmani Singh Patel	HEO/ Dumper /Helper	54	9479510577	Male	Mines	PCL	NEGATIVE
38	38	503791	Virendra Pratap Singh	HEO/ Dumper Operator	51	7067140280	Male	Mines	PCL	NEGATIVE
39	39	503981	Pritam Prasad Mishra	Dumper Operator	46	9522294340	Male	Mines	PCL	NEGATIVE
40	40	103166	Jai Prakash Narayan Singh	Sr.Manager Mines	52	9584461454	Male	Mines	PCL	NEGATIVE
41	41	103036	Shashi Kant Dwivedi	Mining Mate	49	9424374757	Male	Mines	PCL	NEGATIVE
42	42	104102	Praveen Kumar Singh	Dy. G M (HEMM)	54	9589868194	Male	Mines	PCL	NEGATIVE
43	43	503416	Phoolchandra Sahu	Mech. Helper	56	8109706432	Male	Mines	PCL	NEGATIVE
44	44	102457	Sunil Pratap Singh Baghel	Asst. Officer	51	9165088221	Male	Mines	PCL	NEGATIVE
45	45	104841	Nitesh Ishwar Jumna	Mech. HEMM	35	9975727199	Male	Mines	PCL	NEGATIVE
46	46	8063	Mushtaq Ahmad Ansari	Dozar Opt. HEMM	59	8227286471	Male	Mines	PCL	NEGATIVE
47	47	104860	Himanshu Tiwari	Trainee HEMM	29	8959575257	Male	Mines	PCL	NEGATIVE
48	48	104861	Shivam Mishra	Trainee HEMM	28	9792870001	Male	Mines	PCL	NEGATIVE
49	49	104959	Mohanlal Patel	Jr. Officer HEMO	40	6264863157	Male	Mines	PCL	NEGATIVE
50	50	104961	Ranjeet Kumar Jana	Trainee HEMO	35	9981526240	Male	Mines	PCL	NEGATIVE
51	51	104967	Chandra Prakash Lodhi	Jr. Officer HEMO	39	9926425899	Male	Mines	PCL	NEGATIVE
52	52	104966	Rajesh Singh	Jr. Officer HEMO	40	7067652294	Male	Mines	PCL	NEGATIVE
54	54	104970	Roshan Lal Kewat	Jr. Officer HEMO (Cat)	41	8827029841	Male	Mines	PCL	NEGATIVE
55	55	104971	Rajesh Tiwari	Jr. Officer HEMO (Cat)	41	9649425124	Male	Mines	PCL	NEGATIVE
56	56	104974	Vikash Yadav	Jr. Officer HEMO (Cat)	28	9828874250	Male	Mines	PCL	NEGATIVE
58	58	104975	Gaurav Singh	Mech. HEMM	30	8819942515	Male	Mines	PCL	NEGATIVE
59	59	104987	Hari Shankar Yadav	Jr. Officer HEMO (Cat)	30	6262386569	Male	Mines	PCL	NEGATIVE
60	60	104977	Chandrabhan Kushwaha	Jr. Officer HEMO (Cat/ EX.)	35	7879534099	Male	Mines	PCL	NEGATIVE



**PRISM JOHNSON LIMITED**  
**MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
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SR.NO	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
61	61	104989	Abhishek Kumar Shukla	Executive mines	26	7974256025	Male	Mines	PCL	NEGATIVE
62	62	105003	Akash Dubey	EDT	20	9685091178	Male	Mines	PCL	NEGATIVE
63	63	105004	Suraj Kumar Nawait	EDT	21	9685091175	Male	Mines	PCL	NEGATIVE
64	64	105014	Pappu Ram	Mine Foreman	23	9001708032	Male	Mines	PCL	NEGATIVE
65	65	105028	Anukul Shrivastava	EDT	24	9517201917	Male	Mines	PCL	NEGATIVE
66	66	105026	Yuvraj Pandey	EET	21	7880129168	Male	Mines	PCL	NEGATIVE
67	67	105029	Prabhakar Dubey	EDT	21	9630790960	Male	Mines	PCL	NEGATIVE
68	68	105052	Govind Singh	Jr.Officer	31	8432644409	Male	Mines	PCL	NEGATIVE
69	69	105053	Ranjeet Singh	Dozar Operator	38	9602338695	Male	Mines	PCL	NEGATIVE
70	70	105025	Divyanshi Mishra	EPGT	23	7566097286	Female	Mines	PCL	NEGATIVE
71	71	104982	Vikky Das Manikpuri	EMT	25	7828987393	Male	Mines	PCL	NEGATIVE
72	72	105065	Prakash Kumar	Jr.Officer	30	8349765873	Male	Mines	PCL	NEGATIVE
73	73	105072	Ananya Singh	EET	24	7880103711	Female	Mines	PCL	NEGATIVE
74	74	105085	Harish Singh	Jr.Officer	33	7976675102	Male	Mines	PCL	NEGATIVE
75	75	105096	Gyan Prakash	Jr.Officer	27	8349284191	Male	Mines	PCL	NEGATIVE
76	76	105123	Mahajan Kathat	Dozer/CAT OPERATOR	25	7976833648	Male	Mines	PCL	NEGATIVE
77	77	105124	Rohit Kumar Gautam	Jr.Officer	28	6266236740	Male	Mines	PCL	NEGATIVE
78	78	105131	Yugesh Kumar	Jr.Officer	31	7389468315	Male	Mines	PCL	NEGATIVE
79	79	503650	Lalit kumar	Jr.Officer	55	9425885772	Male	Mines	Bandarkha	NEGATIVE
80	80	503360	Beerendra Singh		49	7354258053	Male	Mines	Bandarkha	NEGATIVE
81	81	503461	Mathura Pd. Vishwakarma	Diesel Mechanic	50	9575505729	Male	Mines	Bandarkha	NEGATIVE
82	82	503332	Ramayan Singh	Machine Attender	56	9407017937	Male	Mines	Bandarkha	NEGATIVE
83	83	504258	Mahendra Pd. Patel	Helper	48	6264320954	Male	Mines	Bandarkha	NEGATIVE
84	84	102986	Shivendra Singh Baghel	Surveyor	52	9755983157	Male	Mines	Bandarkha	NEGATIVE
85	85	104774	Kamal Kumar Vishwkarma	Mech. HEMM	36	9424528446	Male	Mines	Bandarkha	NEGATIVE
87	87	103906	Santosh Kumar	Sr Manager-Mines	43	9584460242	Male	Mines	Chulhi-Majhiyar	NEGATIVE

**PRISM JOHNSON LIMITED**  
**MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
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Sr.No	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
88	88	102860	Rajesh Kumar Sinha	Sr. Manager	55	9425885772	Male	Mines	Chulhi-Majhiyar	NEGATIVE
89	89	103856	Dharmendra Kumar Singh	Mines Manager (GM)	55	9425995577	Male	Mines	Chulhi-Majhiyar	NEGATIVE
90	90	104948	Om Prakash Rajak	Asst Manager	27	9406781759	Male	Mines	Chulhi-Majhiyar	NEGATIVE
91	91	104444	Gajbhiye Prashant Prabhakar	AGM	51	8109706432	Male	Mines	Chulhi-Majhiyar	NEGATIVE
92	92	101632	Rangnath Rai	Dy General Manager	47	9584460221	Male	Mines	Baghai	NEGATIVE
93	93	103155	Chandra Shekher Pandit	Sr GM- Mines	50	9584464621	Male	Mines	Baghai	NEGATIVE
94	94	102870	Premal Singh	Mines Foreman	50	9993763840	Male	Mines	Baghai	NEGATIVE
95	95	504133	Vijay Shankar Patel	Helper	54	9179571538	Male	Mines	Baghai	NEGATIVE
96	96	504146	PREMBABU SHUKLA	Helper	51	7309245034	Male	Mines	Baghai	NEGATIVE
97	97	104892	Rahul Meena	Sr Executive-Mines	29	9001188189	Male	Mines	Baghai	NEGATIVE
98	98	105020	Vinod Meghwal	ASSST OFFICER	26	8871772343	Male	21-Feb	Baghai	NEGATIVE
99	99	105027	Abhishek Urmaliya	EET	36	7415136740	Male	Mines	Baghai	NEGATIVE
101	101	2	Dilraj Singh	SUPERVISOR	31	9617895757	Male	Mines	GRW,PCL	NEGATIVE
102	102	4	Ramsajivan Vishwakarma	MECH .WELDER	57	9203868785	Male	Mines	GRW,PCL	NEGATIVE
103	103	7	Ravi Shankar Singh	SITE-IN CHARGE	44	8839546778	Male	Mines	GRW,PCL	NEGATIVE
104	104	8	Bharat Uraw	DRILL Operator	32	8002365366	Male	Mines	GRW,PCL	NEGATIVE
105	105	17	Satyam Mishra	Mech.Incharge	40	9713348772	Male	Mines	GRW,PCL	NEGATIVE
106	106	107	Pankaj Sharma	Supervisor	26	9131435259	Male	Mines	GRW,PCL	NEGATIVE
107	107	108	Sanjeev soni	Loader Operator	33	9617212552	Male	Mines	GRW,PCL	NEGATIVE
108	108	109	Sachin Sahu	Helper	24	9399047099	Male	Mines	GRW,PCL	NEGATIVE
109	109	111	Shivam Sahu	Helper	21	9753453233	Male	Mines	GRW,PCL	NEGATIVE
110	110	112	Ramadhan Sahu	Helper	22	9602968593	Male	Mines	GRW,PCL	NEGATIVE
111	111	115	Rajkaran Singh	Driver	41	8461095071	Male	Mines	GRW,PCL	NEGATIVE
112	112	120	Ramadhar Kol	Driver	40	7024957161	Male	Mines	GRW,PCL	NEGATIVE
113	113	123	Sukhendra Rawat	DRIVER	31	7722927782	Male	Mines	GRW,PCL	NEGATIVE
114	114	124	Rajman Prajapati	OPERATOR	29	9009779729	Male	Mines	GRW,PCL	NEGATIVE

DR.DEEPAK.P.DEOTALE

Dr. Deepak Deotale  
MBBS, AFIH  
Reg. No. 48366

**PRISM JOHNSON LIMITED**  
**MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
**SPUTUM SUMMARY**  
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Sr.No	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
115	115	127	Ramnihor Kol	DRIVER	48	8370090752	Male	Mines	GRW,PCL	NEGATIVE
116	116	133	Rajbahadur Singh	DRIVER	34	9016161541	Male	Mines	GRW,PCL	NEGATIVE
117	117	134	Sukhendra Yadav	driver	35	9109231924	Male	Mines	GRW,PCL	NEGATIVE
119	119	173	Prashant Singh Parihar	SUPERVISOR	33	9340605816	Male	Mines	GRW,PCL	NEGATIVE
120	120	140	MD Abdul	Dozer/CAT OPERATOR	25	7070546066	Male	Mines	GRW,PCL	NEGATIVE
121	121	141	Sarfaraj Hussain	Helper	21	9973256518	Male	Mines	GRW,PCL	NEGATIVE
122	122	143	MD Jalal Uddin	OPERATOR	36	8759546044	Male	Mines	GRW,PCL	NEGATIVE
124	124	145	Gulab Singh	DRIVER	42	7898170848	Male	Mines	GRW,PCL	NEGATIVE
125	125	146	Dinesh kumar Saket	DRIVER	45	7415726650	Male	Mines	GRW,PCL	NEGATIVE
126	126	147	Hemraj Sen	DRIVER	38	9753244561	Male	Mines	GRW,PCL	NEGATIVE
127	127	149	Shailendra Dahiya	driver	30	6263055879	Male	Mines	GRW,PCL	NEGATIVE
128	128	150	Hariram Dahiya	DRIVER	27	9981941757	Male	Mines	GRW,PCL	NEGATIVE
130	130	153	Rammanohar Kol	DRIVER	38	7024955369	Male	Mines	GRW,PCL	NEGATIVE
131	131	155	Pravin Pandey	DRIVER	27	8103034788	Male	Mines	GRW,PCL	NEGATIVE
132	132	156	Amarjeet Saket	DRIVER	49	8109363653	Male	Mines	GRW,PCL	NEGATIVE
134	134	158	Rahul Saket	DRIVER	31	6260621291	Male	Mines	GRW,PCL	NEGATIVE
135	135	159	Mahasagar Kewat	DRIVER	25	7447317734	Male	Mines	GRW,PCL	NEGATIVE
136	136	161	Ramnaresh Singh	DRIVER	50	889546408	Male	Mines	GRW,PCL	NEGATIVE
137	137	162	Yadvendra Singh	DRIVER	40	8818987060	Male	Mines	GRW,PCL	NEGATIVE
139	139	164	Dadan Bunkar	DRIVER	30	9753440561	Male	Mines	GRW,PCL	NEGATIVE
140	140	165	Ramraj Kol	DRIVER	29	7470339636	Male	Mines	GRW,PCL	NEGATIVE
141	141	166	Dhaneshwar Singh	DRIVER	30	8878427034	Male	Mines	GRW,PCL	NEGATIVE
142	142	167	Achchelal Kol	DRIVER	42	6265926996	Male	Mines	GRW,PCL	NEGATIVE
143	143	168	Pintu Kasyap	DRIVER	28	8349983603	Male	Mines	GRW,PCL	NEGATIVE
144	144	169	Sushil Singh	DRIVER	35	9340361201	Male	Mines	GRW,PCL	NEGATIVE
145	145	170	Ramprakash Daiya	driver	33	8641008010	Male	Mines	GRW,PCL	NEGATIVE



**PRISM JOHNSON LIMITED**  
**MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
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SRLNO	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
146	146	171	Dheerendra Singh	OPERATOR	43	8889739600	Male	Mines	GRW,PCL	NEGATIVE
148	148	175	Ankit Singh Parihar	SUPERVISOR	31	626873990	Male	Mines	GRW,PCL	NEGATIVE
149	149	176	Jagendra Singh	SUPERVISOR	42	7898184556	Male	Mines	GRW,PCL	NEGATIVE
150	150	177	Achchelal Pal	DRILL OPERATOR	27	7828310319	Male	Mines	GRW,PCL	NEGATIVE
151	151	178	Ajeet Dahiya	Helper	21	9343436761	Male	Mines	GRW,PCL	NEGATIVE
153	153	180	Pushpendra Patel	Helper	38	8821008185	Male	Mines	GRW,PCL	NEGATIVE
154	154	181	Shrikant Yadav	Helper	20	7509324539	Male	Mines	GRW,PCL	NEGATIVE
155	155	182	Pushpraj Singh	DRIVER	23	7509707151	Male	Mines	GRW,PCL	NEGATIVE
156	156	183	Narendra Vishwakarma	OPERATOR	44	8120418743	Male	Mines	GRW,PCL	NEGATIVE
157	157	118	Ramashrya sahu	DRIVER	53	8349739400	Male	Mines	GRW,Baghai	NEGATIVE
158	158	124	Suresh Pal	Driver	36	9826497225	Male	Mines	GRW,Baghai	NEGATIVE
159	159	125	Neelesh Singh	HYWA OPERATOR	37	7566679994	Male	Mines	GRW,Baghai	NEGATIVE
160	160	129	Ravilal Saket	DRIVER	47	9589265357	Male	Mines	GRW,Baghai	NEGATIVE
162	162	135	Ramkalesh Saket	DRIVER	38	7024300138	Male	Mines	GRW,Baghai	NEGATIVE
163	163	136	Manoj Kol	DRIVER	41	7869311368	Male	Mines	GRW,Baghai	NEGATIVE
164	164	3	Vijay Raj Yadav	Machine OPRATOR	35	9669344880	Male	Mines	Pratiksha,PCL	NEGATIVE
167	167	12	Kamalbhan Bhunkar	DRIVER	34	9171424679	Male	Mines	RS Cargo,Chulhi	NEGATIVE
168	168	9	Indrabhan Singh	DRIVER	36	9522641812	Male	Mines	RS Cargo,Chulhi	NEGATIVE
169	169	10	Ramkailash Pal	DRIVER	30	8349467530	Male	Mines	RS Cargo,Chulhi	NEGATIVE
170	170	13	Satyam Varma	DRIVER	24	6260224432	Male	Mines	RS Cargo,Chulhi	NEGATIVE
171	171	7	Rajesh Singh	SUPERVISOR	46	9617683039	Male	Mines	RS Cargo,Chulhi	NEGATIVE
172	172	6	Shiv Bahadur Singh	SUPERVISOR	35	8226012925	Male	Mines	RS Cargo,Chulhi	NEGATIVE
173	173	158	Komal Singh	OPERATOR	24	6264710320	Male	Mines	RS Cargo,Baghai	NEGATIVE
174	174	159	Rajiv Pandey	OPERATOR	34	8878806228	Male	Mines	RS Cargo,Baghai	NEGATIVE
175	175	160	Rajneesh Singh	OPERATOR	30	6260154015	Male	Mines	RS Cargo,Baghai	NEGATIVE
176	176	21	Ashish Mishra	SUPERVISOR	39	9522201701	Male	Mines	RS Cargo,Baghai	NEGATIVE

**PRISM JOHNSON LIMITED**  
**MANKAHARI,PO: BATHIA, DIST: SATNA, MADHYA PRADESH**  
**SPUTUM SUMMARY**  
**CHECK UP DATE: 11 DEC 2023 TO 18 DEC 2023**

SR.NO	CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
177	177	157	Rajesh Tiwari	DRIVER	36	9301750719	Male	Mines	RS Cargo,Baghai	NEGATIVE
178	178	127	Dilip Dwevedi	driver	38	6232649787	Male	Mines	RS Cargo,Baghai	NEGATIVE
179	179	162	Satyanarayan Yadav		38		Male	Mines	RS Cargo,Baghai	NEGATIVE
180	180	161	Kundan Singh	DRIVER	52	9981350232	Male	Mines	RS Cargo,Baghai	NEGATIVE
182	182	165	Amarjeet Mudaha	DRIVER	40	9575217435	Male	Mines	RS Cargo,Baghai	NEGATIVE
183	183	162	Dhirendra Kol	DRIVER	34	7697070122	Male	Mines	RS Cargo,Baghai	NEGATIVE
184	184	118	Pramod Kol	DRIVER	33	6261557169	Male	Mines	RS Cargo,Baghai	NEGATIVE
185	185	121	Pushpraj Dwevedi	DRIVER	38	7869848583	Male	Mines	RS Cargo,Baghai	NEGATIVE
186	186	171	Babual Kol	DRIVER	44	9179500972	Male	Mines	RS Cargo,Baghai	NEGATIVE
188	188	87	Chitra Bahadur Tiawi	OPERATOR	38	8319672111	Male	Mines	RS Cargo,Baghai	NEGATIVE
189	189	88	Dharmendra Kewat	DRIVER	32	8120836158	Male	Mines	RS Cargo,Baghai	NEGATIVE
190	190	178	Yogendra Mishra	SUPERVISOR	40	9179571538	Male	Mines	RS Cargo,Baghai	NEGATIVE
191	191		Mithal KOL		27	9589986277	Male	Mines	Kanha,PCL	NEGATIVE
192	192		Ajay Singh		28		Male	Mines	Kanha,PCL	NEGATIVE
193	193		Ram prakash		39		Male	Mines	Kanha,PCL	NEGATIVE
196	196	177	Santosh Rawat		30	9794402347	Male	Mines	Kanha,PCL	NEGATIVE
197	197	178	Ashish Singh		31	9589222059	Male	Mines	Kanha,PCL	NEGATIVE
198	198	179	Mithelesh Rawat		23	9589986277	Male	Mines	Kanha,PCL	NEGATIVE
199	199		Raveev Rawat		20	8058720377	Male	Mines	Kanha,PCL	NEGATIVE
208	208		Ram pratap Kewat	Drill Operator	28	8461927809	Male	Mines	RS Enterprises, PCL	NEGATIVE
209	209		Satendra kewat	Drill helper	18	7828794310	Male	Mines	RS Enterprises, PCL	NEGATIVE
210	210	3	RAM BHUAN	OPERATOR	56	8462896400	Male	Mines	RS Enterprises, PCL	NEGATIVE
211	211	4	BRAJBHOOSHAN DAHAYANT	DRILL OPERATOR	45	6269575159	Male	Mines	SAI ENTERPRISES ,PCL	NEGATIVE

  
**DR.DEEPAK.P.DEOTALE**

**Dr. Deepak Deotale**  
**MBBS, AFIM**  
**Reg. No. 48366**

# PRISM JOHNSON LIMITED

MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH  
SPUTUM SUMMARY

CHECK UP DATE: 11 DEC 2023 TO 18 DEC 2023

CERTIFICATE NO	EMP CODE	EMPLOYEES NAME	DESIGNATION	AGE	CONTACT NO	GENDER	DEPARTMENT	CONTRACTOR NAME	SPUTUM AFB
212	5	MANBAHOR YADAV	Helper	30	7898802829	Male	Mines	SAI ENTERPRISES ,PCL	NEGATIVE
213		SHIV PAL DAHIYA	DRILL OPERATOR	26		Male	Mines	R&pn engineering	NEGATIVE
214		ram naresh adiwasi	drill operator	51	8357998405	Male	Mines	R&pn engineering	NEGATIVE
215		PAVAN KUMAR SINGH	DRILL OWNER	25	9424975310	Male	Mines	R&pn engineering	NEGATIVE
216		ROHIT KUMAR KOL	Helper	31	9009239243	Male	Mines	R&pn engineering	NEGATIVE
217		harilal sahu	Helper	22	8319158376	Male	Mines	GRW ,PCL	NEGATIVE
218		REVA PRASAD KEVAT	OPERATOR	28	8964034719	Male	Mines	RS Enterprises, PCL	NEGATIVE
219		BHAGWAN DEEN DWIVEDI	DRIVER	39	9179838513	Male	Mines	RS Enterprises, PCL	NEGATIVE
220	104448	KAKARLA LAHARISHN BABU	ASST. MANAGER	29	7893403645	Male	Mines	PCL	NEGATIVE
221	103745	SHIVENDRA KUMAR TIWARI	ASST.OFFICER	45	8435845318	Male	Mines	PCL	NEGATIVE
222	105143	NARAYAN PRASAD SHUKLA	DY.MANAGER(GEOLOGIST)	37	8103595928	Male	Mines	Bandarkha	NEGATIVE
223		RAJJAN SINGH	Helper	37	9516639464	Male	Mines	KANHA ,PCL	NEGATIVE
224	1	ANUJ KUMAR PANDEY	SUPERVISOR	32	8719075123	Male	Mines	PCL. PRATIKSHA	NEGATIVE

8  
DR.DEEPAK.P.DEOTALE

Dr. Deepak Deotale  
MBBS, AFH  
Reg. No. 48366



# Deotale Diagnostic

(we care)

Consultation      Diagnostics      Health Check- Ups      Immunization.

Clinic: Vinayak Apt. 3<sup>rd</sup> floor Dhantoli Lokmat Chowk Nagpur

For any assistance call at : 9860204241, 0712-2424868

Email ID : deotaledeepak19577@gmail.com

## MEDICAL CHECK-UP

SR.NO	82
CERTIFICATE NO.	82
EMPLOYEES CODE	503332
DESIGNATION	Machine Attender
DEPARTMENT	Mines
CONTRACTOR NAME	PCL
MOB NO	9407017937
CHECK-UP DATE	13-12-2023

EMPLOYEES NAME : Ramayan Singh

Gender: Male      Age: 56 Yrs.      Ht: 163 cms      Wt: 70 Kg      BMI: 26.35

Company Address: PRISM JOHNSON LIMITED, MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH

Personal H/O      ALCOHOL: NO      TABACCO: YES      SMOKING: NO      GUTKHA: NO

General Exam:- Teeth: N. / Tonsils: N. / Nails: N. / Tongue: N. / L. Glands: N.

BP.: 110/70 mmHg	Pulse: 82 bps
C.V.S.: N	R/S: N      CNS: N      SP/LIVER: N/P

Abdomen: Soft

## BLOOD TEST

Random Blood Sugar: 139 mg/dl	BLOOD GROUP: O+ve	Hb %: 14.2 gm/dl	ESR: 5 MM/Hr
TLC: 8100 /Cumm	N.: 67 %	L.: 27 %	E.: 2 %      M.: 4 %
S. Cholesterol: 179 mg/dl	Triglyceride: 148 mg/dl	HDL: 44.1 mg/dl	
LDL: 105.3 mg/dl	VLDL: 29.6 mg/dl	CHO/HDL Ratio: 4.1	
Sr. Urea: 24 mg/dl		Sr. Creatinine: 0.8 mg/dl	
Urine Pus Cell: NIL	Urine ALB: NIL	Urine Sugar: NIL	

ECG: WNL	SPIROMETRY: WNL
Colourblindness: NORMAL	X-RAY: WNL
AUDIOMETRY: RT. WNL	LF. WNL
Vision:	Unaided - Dist. Rt -6/12      Dist. Lf -6/12
	Unaided - Near Rt -N/24      Near Lf -N/24
	With Spect Dist. Rt -      With Spect Dist. Lf -
	With Spect Near. Rt -      With Spect Near. Lf -
MEDICAL CHECK - UP:- NORMAL	
	Refractive error can be corrected by spectacle

DR. DEEPAK P. DEOTALE  
M.B.B.S. A.F.I.H. (Reg. No. 48366)

Dr. Deepak Deotale  
MBBS, AFIH  
Reg. No. 48366

(FORM - O)  
(See rule 29F (2) and 29L)  
Report of medical examination under rule 29B (To be issued in triplicate)

\*\* Certificate No..... Certified that Shri/Shrimati\*... Ramayan Singh.....  
employed as mach helper In Banarkela mines..... mine,  
Form B No. 30..... has been examined for an initial/periodical medical  
examination. He/she\* appears to be 56..... years of age.

The findings of the examining authority are given in the attached sheet. It is considered  
that Shri/Shrimati\*..... Ramayan Singh.....

✓(a)\* is medically fit for any employment in mines.

(b)\* is suffering from..... and is medically unfit for  
(i) any employment in mine; or  
(ii) any employment below ground; or  
(iii) any employment or work.....

(c)\* is suffering from..... is should get this disability\* cured/controlled  
and should be again examined within a period of ..... months. He/She will appear  
for re-examination with the result of test of ..... and the opinion of .....  
Specialist from ..... He/She may be permitted/not\* permitted to carry on his  
duties during this period.



Dr. Deepak Deotale  
MBBS, AFIH  
Reg. No. 48366

Signature of the examining authority  
Name and designation in Block letters

Place : Satna  
Date : 13-12-23

\* Delete whatever is not applicable.

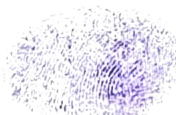
\*\* One copy of the certificate shall be handed over to the person concerned and  
another copy shall be sent to the manager of the mine concerned by registered post;  
and the third copy shall be retained by the examining authority,

Report of the examining authority

(to be filled in for every medical examination whether initial or periodical or re -  
examination or after cure/control of disability).

Annexure to Certificate No. 82..... as result of medical examination on .....

Identification Mark.....



Left thumb impression of the candidate

1. General development- Good/Fair/Poor

2. Height ..... 163 ..... Cms.

3 Weight ..... 70 ..... kg.

4 Eyes : (i) Visual acuity-Distant vision (with or without glasses).

Right eye..... 6/12 N/24 Left eye..... 6/12 N/24

(ii) any organic disease of eyes NO

(iii) night blindness NO

(iv) Colour blindness NO

(v) Squint (\* to be tested in special cases)

Inserted vide notification No.GSR 656 dated 5.6.1980 NO

5 Ears : Hearing : Right ear..... WNL Left ear ..... WNL...

Any organic diseases. NO

6.Respiratory system. Chest measurement : (i) After full inspiration ..... 38 .....cms.  
(ii) After full expiration..... 40 .....cms.

7. Circulatory system: (i) Blood Pressure ..... (ii) Pulse .....

8. Abdomen : Tenderness ..... NO  
Liver. .... NO  
Spleen. .... NP  
Tumour. .... NO

9. Nervous system:

History of fits or epilepsy ..... NO

Paralysis ..... NO

Mental health. .... Good

10.Locomotory system : ..... N

11. Skin. : ..... N

12. Hydrocele. : ..... NO

13. Hernia. : ..... NO

14. Any other abnormality : ..... NO

15. Urine : Reaction. .... N  
Albumin..... NO  
Sugar..... NO

16. Skiagram of chest. : NAD

17. Any other test considered necessary by the examining authority. : —

18. Any opinion of specialist considered necessary. —

Place: Satna

Signature of the examining authority

Dr. Deepak Deotale

MBBS, AFIH

Reg. No. 48366



**Report of Medical Examination under Mines Rule 29B**  
(To be used in continuation with Form O)

Certificate No.

82

Name :

Ramaya Singh

Identification Marks: Blacemole on chest

**Result of Lung Function Test (Spirometry)**

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	02.88	04.16	144
Forced Vital Capacity FEV1	02.21	04.16	188
FEV 1/ FVC	76.74	100.00	130
Peak Expiratory Flow	07.79	07.09	091

Spirometry Report enclosed.

Dr. Deepak Deotale  
MBBS, AFH  
Reg No. 48366

Signature of the Examination Authority

**Report of Medical Examination as per the recommendations of National Safety**  
**Conferences in Mines**  
(To be used in continuation with Form O)

Certificate No.

82

Name :

Ramayan Singh

Identification Marks:

**1. Cardiological Assessment**

Auscultation	S1	N	Performed Value	% of Predicted
	S2	N		
	Additional Sound			
FEV1/ FVC				
Electrocardiograph(12leads) findings			Normal/Abnormal	Normal

Enclosed ECG

**2. Neurological Assessment**

Findings	Normal/Abnormal
Superficial Reflexes	Normal
Deep Reflexes	Normal
Peripheral Circulation	Normal
Neurological Syndromes	Normal

### 3. ILO Classification of Chest Radiograph

Profusion of Pneumoconiotic Opacities	Grades	Types
Present /Absent		

Enclosed Chest Radiograph

### 4. Audiometry Findings:

Conduction Type	Left Ear	Right Ear
Ear Conduction	✓ Normal/Abnormal	✓ Normal/Abnormal
Bone Conduction	✓ Normal/Abnormal	✓ Normal/Abnormal

Enclosed Audiometry Report

### 5. Pathological/Microbiological Investigations:

S.No.	Tests	Findings
1.	Blood-Tc,Dc,Hb,ESR,Platelets	✓ WNL/Abnormal
2.	Blood Sugar-Fasting & P.P.	✓ WNL/Abnormal
3.	Lipid Profile	✓ WNL/Abnormal
4.	Blood Urea, Creatinine	✓ WNL/Abnormal
5.	Urine Routine	✓ WNL/Abnormal
6.	Stool Routine	WNL/Abnormal

Enclosed Investigation Reports

### 6. Special Tests for Mn Exposure:

Behavioral Disturbances		Present/Not Present
Neurological Disturbances	Speech Defect	Present/Not Present ✓
	Tremor	Present/Not Present ✓
	Adiadocokinesia	Present/Not Present ✓
	Emotional Changes	Present/Not Present ✓

Enclosed ECG

### 7. Any other Special Tests Required:

Dr. Deepak Deotale

MBBS, AFIH

Reg. No. 48366

Signature of the Examination Authority  
Seal



AMAYAN SINGH

Sex: Male

DOB:

ID: 82P

Acq. Date: 13-Dec-23

Acq. Time: 12:04:50 PM

Exp. Index: 659

R

15cm

CHEST

HA

W: 4096, 0:12048

Scale: 0.13

MAYA DIAGNOSTICS

MAYA DIAGNOSTICS

Scale: 0.13

MAYA DIAGNOSTICS

Lavox

Relax



Allengers Global Healthcare Pvt Ltd.,

1810037955 / 92 RAMAYAN SINGH / 56 Yrs / M / 163Cms. / 70Kgs. / Non Smoker

1 Lead: Rate: 77 bpm / Tested On: 13-Dec-23 15:33:22 / HF 0.05 Hz / LF 100 Hz / Notch 50 Hz / SN 1.00 cm/mV / SW 25 mm/s

ECG

WIR  
ACUPL



Dr. Deepak Neerale

MBBS / FII

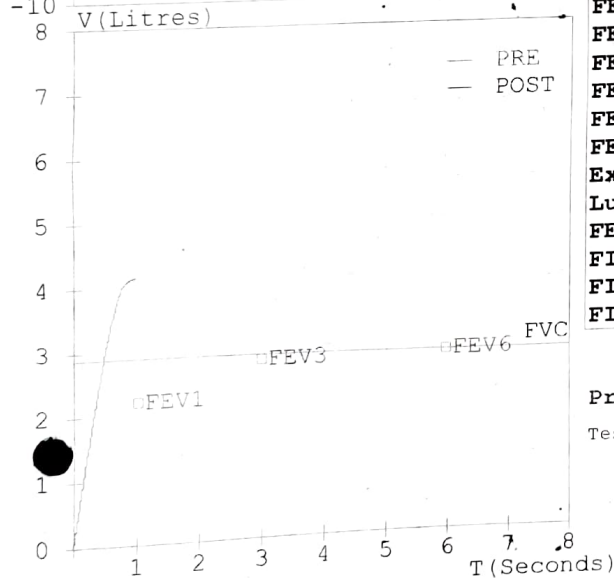
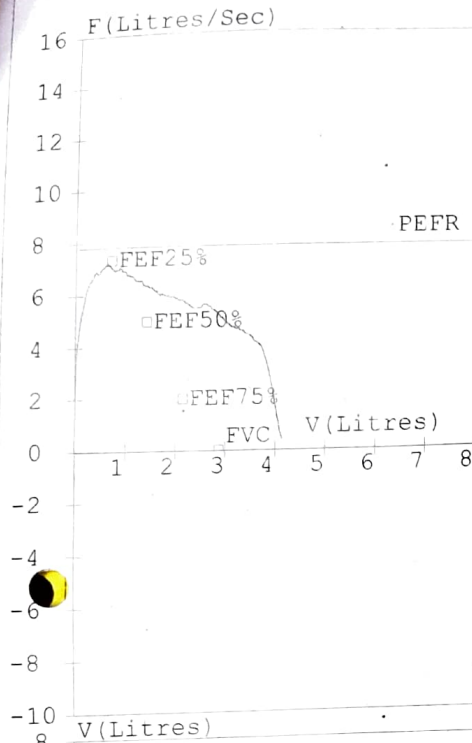
Reg. No. 48366

# DEOTALE DIAGNOSIS CENTRE

VINAYAK APARTMENT, 3RD FLOOR, DHANTOLI, NAGPUR

Patient: RAMAYAN SINGH  
Refd. By:  
Pred. Eqns: RECORDERS  
Date : 13-Dec-2023 03:20 PM

Age : 56 Years Gender : Male  
Height : 163 Cms Smoker : Yes  
Weight : 70 Kgs Eth. Corr: 100  
ID: 82C Temp :



FEV1 %Pred	COPD SEVERITY
150	
125	OBS
100	
75	MODERATE
50	SEVERE
25	VERY SEVERE
0	RES
	25 50 75 100 125 150
(FEV1/FVC) %Pred	

FVC %Pred	Interpretation
150	
125	OBS
100	
75	
50	
25	MIXED
0	RES
	25 50 75 100 125 150
(FEV1/FVC) %Pred	

## Spirometry (FVC Results)

Parameter	Pred	M. Pre	%Pred	M. Post	%Pred	%Imp
FVC (L)	02.88	04.16	144	-----	----	---
FEV1 (L)	02.21	04.16	188	-----	----	---
FEV1/FVC (%)	76.74	100.00	130	-----	----	---
FEF25-75 (L/s)	03.09	05.67	183	-----	----	---
PEFR (L/s)	07.79	07.09	091	-----	----	---
FIVC (L)	-----	-----	---	-----	----	---
FEV.5 (L)	-----	03.03	---	-----	----	---
FEV3 (L)	02.79	04.16	149	-----	----	---
PIFR (L/s)	-----	-----	---	-----	----	---
FEF75-85 (L/s)	-----	04.44	---	-----	----	---
FEF.2-1.2 (L/s)	05.44	06.68	123	-----	----	---
FEF 25% (L/s)	07.32	06.68	091	-----	----	---
FEF 50% (L/s)	04.96	05.71	115	-----	----	---
FEF 75% (L/s)	01.97	04.70	239	-----	----	---
FEV.5/FVC (%)	-----	72.84	---	-----	----	---
FEV3/FVC (%)	96.88	100.00	103	-----	----	---
FET (Sec)	-----	01.00	---	-----	----	---
ExptTime (Sec)	-----	00.06	---	-----	----	---
Lung Age (Yrs)	056	007	012	-----	----	---
FEV6 (L)	02.88	-----	---	-----	----	---
FIF25% (L/s)	-----	02.48	---	-----	----	---
FIF50% (L/s)	-----	02.48	---	-----	----	---
FIF75% (L/s)	-----	02.48	---	-----	----	---

## Pre Test COPD Severity

Test within normal limits

Pre Medication Report Indicates  
Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.

Dr. Deepak Deotale  
MBBS, AFH  
Reg. No. 48366

# Deotale Diagnostic Centre (we care)

Consultation Diagnostics Health Check-Up Immunization.

Clinic: Vinayak Apt. 3<sup>rd</sup> floor Dhantoli Lokmat Chowk Nagpur

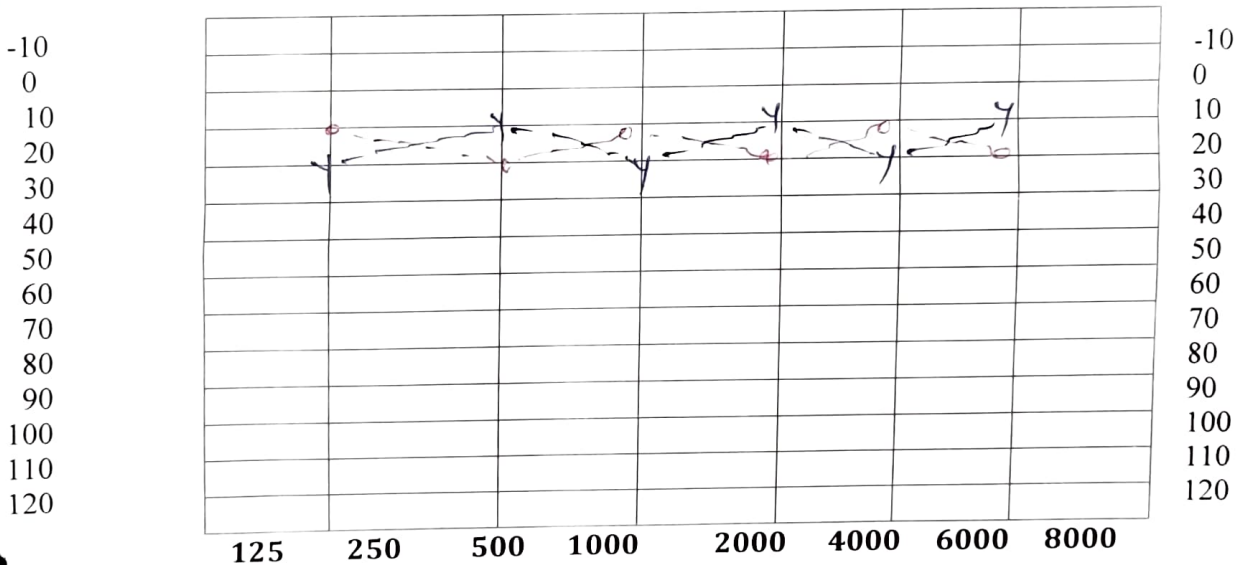
Resi:- 1B, Prashant Nagar Wardha-Road Nagpur (Clinic Reg. No. 699)

For any assistance call at . 9860204241, 0712-6610595

Date: 13-12-2023

## AUDIOLOGICAL EVALUATION

1. SR.NO:82	CERTIFICATE NO: 82	2. EMPLOYEES CODE: 503332
3. DEPARTMENT: Mines		4. DESIGNATION: Machine Attender
5. NAME : Ramayan Singh		6. CONTRACTOR NAME: PCL
7. SEX : Male		8. AGE: 56 yrs
9. ADDRESS : PRISM JOHNSON LIMITED, MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH		
10. DIAGNOSIS: LT: WNL	11. RT: WNL	



### TEST FREQUENCY

Air O	= LEFT EAR :	<u>WNL</u>
Y	= RIGHT EAR :	<u>WNL</u>
Masking		
No Response: Audiologists Remarks		

Dr. DEEPAK DEOTALE  
M.B.B.S. A.F.I.H.  
Reg. No. 48366

Dr. Deepak Deotale  
MBBS, AFH  
Reg. No. 48366





82

TEST NO

82

# MAYA HOSPITAL & RESEARCH INSTITUTE

Add.: Plot .P 78, Opposite State Bank of India, MIDC  
Butibori (Nagpur)  
Ph 07103-684885

Deotale Diagnostic Center We Care

Consultation Diagnostics Health Check-Ups Immunization

Dr. Deepak P. Deotale M.B.B.S., A.F.I.H. (Associated fellow Of industrial health) Certifying Surgeon Reg .No. 48366	SR.NO	82
	CERTIFICATE NO	82
	EMPLOYEES CODE	503332
	NAME	Ramayan Singh
Clinic : Vinayak Apt. 3 <sup>rd</sup> floor Dhantoli, Lokmat Chowk ,Nagpur (Clinic Reg. No. 699)	GENDER	Male
	DEPARTMENT	Mines
	DESIGNATION	Machine AttenderMachine Attender
	Check Up Date	13-12-2023
Mob. No .8007771341	MOB NO	9407017937
Email ID: deotaledeepak19577@gmail.com	Company Name: PRISM JOHNSON LIMITED, MANKAHARI,PO: BATHIA, DIST: SATNA, MADHYA PRADESH	

# Deotale Diagnostic Centre (we care)

Consultation      Diagnostics      Health Check- Ups      Immunization.

Clinic: Vinayak Apt. 3<sup>rd</sup> floor Dhandoli Lokmat Chowk Nagpur

For any assistance call at : 9860204241, 0712-2424868

Email ID : deotaledeepak19577@gmail.com

## MEDICAL CHECK-UP

SR.NO	92
CERTIFICATE NO.	92
EMPLOYEES CODE	101632
DESIGNATION	Dy General Manager
DEPARTMENT	Mines
CONTRACTOR NAME	PCL
MOB NO	9584460221
CHECK-UP DATE	12-12-2023

EMPLOYEES NAME : Rangnath Rai

Gender: Male      Age : 47 Yrs.      Ht: 177 cms      Wt: 77 Kg      BMI : 24.58

Company Address: PRISM JOHNSON LIMITED, MANKAHARI, PO: BATHIA, DIST: SATNA, MADHYA PRADESH

Personal H/O      ALCOHOL : NO      TABACCO : NO      SMOKING : NO      GUTKHA : NO

General Exam:- Teeth : N. / Tonsils : N. / Nails : N. / Tongue : N. / L. Glands: N.

BP : 133/98 mmHg      Pulse : 72 bps  
C.V.S.: N      R/S : N      CNS: N      SP/LIVER : N/P

Abdomen : Soft

## BLOOD TEST

Random Blood Sugar: 169 mg/dl	BLOOD GROUP: B+ve	Hb %: 12.4 gm/dl	ESR: 5 MM/Hr
TLC: 6200 /Cumm	N.: 68 %	L.: 24 %	E.: 5 %
S. Cholesterol: 170 mg/dl	Triglyceride: 153 mg/dl	HDL: 46 mg/dl	M.: 3 %
LDL: 101.6 mg/dl	VLDL: 30.6 mg/dl	CHO/HDL Ratio : 3.9	
Sr. Urea: 24 mg/dl		Sr. Creatinine: 0.8 mg/dl	
Urine Pus Cell : +	Urine ALB : NIL	Urine Sugar : NIL	

ECG: WNL	SPIROMETRY : WNL
Colour blindness: NORMAL	X-RAY : WNL
AUDIOMETRY : RT. WNL	LF : WNL
Vision:	Unaided - Dist. Rt - 6/6
	Unaided - Near Rt - N/8
	With Spect Dist. Rt -
	With Spect Near. Rt -
	Dist. Lf - 6/6
	Near Lf - N/8
	With Spect Dist. Lf -
	With Spect Near. Lf -
MEDICAL CHECK - UP:- NORMAL	
Refractive error can be corrected by spectacle	

DR. DEEPAK P. DEOTALE  
M.B.B.S. A.F.I.H. (Reg. No. 48366)

Dr. Deepak P. Deotale  
M. B. B. S.  
Reg. No. 48366

(FORM - O)  
(See rule 29F (2) and 29L)

Report of medical examination under rule 29B (To be issued in triplicate)

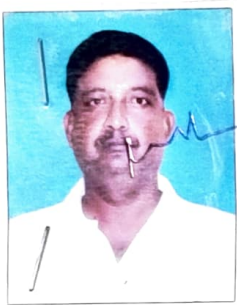
\*\* Certificate No. .... Certified that Shri/Shrimati\* Ragnath Rai  
employed as muchang In Baghai mine,  
Form B No. 1 has been examined for an initial/periodical medical  
examination. He/she\* appears to be 47 years of age.

The findings of the examining authority are given in the attached sheet. It is considered  
that Shri/Shrimati\* .....

(a)\* is medically fit for any employment in mines.

(b)\* is suffering from ..... and is medically unfit for  
(i) any employment in mine; or  
(ii) any employment below ground; or  
(iii) any employment or work .....

(c)\* is suffering from ..... is should get this disability\* cured/controlled  
and should be again examined within a period of ..... months. He/She will appear  
for re-examination with the result of test of ..... and the opinion of .....  
Specialist from ..... He/She may be permitted/not\* permitted to carry on his  
duties during this period.



Dr. Deepak Deotale  
MBBS, AFIH  
Reg. No. 48366

Signature of the examining authority  
Name and designation in Block letters

Place :

Date : 12-12-23

\* Delete whatever is not applicable.

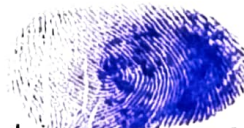
\*\* One copy of the certificate shall be handed over to the person concerned and  
another copy shall be sent to the manager of the mine concerned by registered post;  
and the third copy shall be retained by the examining authority,

Report of the examining authority

(To be filled in for every medical examination whether initial or periodical or re -  
examination or after cure/control of disability).

Appendix to Certificate No. 92 as result of medical examination on .....

Identification Mark .....



Left thumb impression of the candidate



1. General development- Good/Fair/Poor

2. Height ..... 177 ..... Cms.

3 Weight ..... 77 ..... kg.

4 Eyes : (i) Visual acuity-Distant vision (with or without glasses).

Right eye..... 6/6 N/8 ..... Left eye..... 6/6 N/8 .....

(ii) any organic disease of eyes NO

(iii) night blindness NO

(iv) Colour blindness NO

(v) Squint (\* to be tested in special cases)

Inserted vide notification No.GSR 656 dated 5.6.1980 NO

5 Ears : Hearing : Right ear..... W N' L ..... Left ear .....

Any organic diseases. NO

6.Respiratory system. Chest measurement : (i) After full inspiration ..... 38 ..... cms.  
(ii) After full expiration..... 5 ..... cms.

7. Circulatory system: (i) Blood Pressure ..... (ii) Pulse .....

8. Abdomen : Tenderness ..... NO .....  
Liver. .... NO .....  
Spleen. .... NO .....  
Tumour. .... NO .....

9. Nervous system:

History of fits or epilepsy ..... NO .....

Paralysis ..... NO .....

Mental health. .... Good .....

10.Locomotory system : ..... N .....

11. Skin. : ..... N .....

12. Hydrocele. : ..... NO .....

13. Hernia. : ..... NO .....

14. Any other abnormality : ..... NO .....

15. Urine : Reaction. .... N .....  
Albumin..... NO .....  
Sugar..... NO .....

16. Skiagram of chest. : ..... N/A .....

17. Any other test considered necessary by the examining authority.

18. Any opinion of specialist considered necessary.

Place: Satna

Signature of the examining authority

Dr. Deepak Deotale

MBBS, AFIH

Reg. No. 48386

**Report of Medical Examination under Mines Rule 29B**  
(To be used in continuation with Form O)

Certificate No.

92

Name :

Rangnath Rai

Identification Marks:

mole on right hand

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	03.70	03.22	087
Forced Vital Capacity FEV1	02.96	03.19	108
FEV 1/ FVC	80.00	99.07	124
Peak Expiratory Flow	09.10	05.01	055

Spirometry Report enclosed.

Dr. Deepak Deotale

MBBS, AFIH

Reg. No. 48366

Signature of the Examination Authority

**Report of Medical Examination as per the recommendations of National Safety**  
**Conferences in Mines**  
(To be used in continuation with Form O)

Certificate No.

92

Name :

Rangnath Rai

Identification Marks:

1. Cardiological Assessment

Auscultation	S1	N	Performed Value	% of Predicted
	S2	N		
	Additional Sound	NO		
FEV1/ FVC	80.00		99.07	124
Electrocardiograph(12leads) findings	Normal/Abnormal		Normal	

Enclosed ECG

2. Neurological Assessment

Findings	Normal/Abnormal
Superficial Reflexes	Normal
Deep Reflexes	Normal
Peripheral Circulation	Normal
Vibrational Syndromes	Normal

### 3. ILO Classification of Chest Radiograph

Profusion of Pneumoconiotic Opacities Present /Absent	Grades	Types
--	--------	-------

Enclosed Chest Radiograph

### 4. Audiometry Findings:

Conduction Type	Left Ear	Right Ear
Ear Conduction	✓ Normal/Abnormal	✓ Normal/Abnormal
Bone Conduction	✓ Normal/Abnormal	✓ Normal/Abnormal

Enclosed Audiometry Report

### 5. Pathological/Microbiological Investigations:

S.No.	Tests	Findings
1.	Blood-Tc,Dc,Hb,ESR,Platelets	✓ WNL/Abnormal
2.	Blood Sugar-Fasting & P.P.	✓ WNL/Abnormal
3.	Lipid Profile	✓ WNL/Abnormal
4.	Blood Urea, Creatinine	✓ WNL/Abnormal
5.	Urine Routine	✓ WNL/Abnormal
6.	Stool Routine	WNL/Abnormal

Enclosed Investigation Reports

### 6. Special Tests for Mn Exposure:

Behavioral Disturbances		Present/Not Present ✓
Neurological Disturbances	Speech Defect	Present/Not Present ✓
	Tremor	Present/Not Present ✓
	Adiadocokinesia	Present/Not Present ✓
	Emotional Changes	Present/Not Present ✓

Enclosed ECG

### 7. Any other Special Tests Required:

**Dr. Deepak Deotale**  
MBBS, AFIH

Reg. No. 48366

Signature of the Examination Authority  
Seal

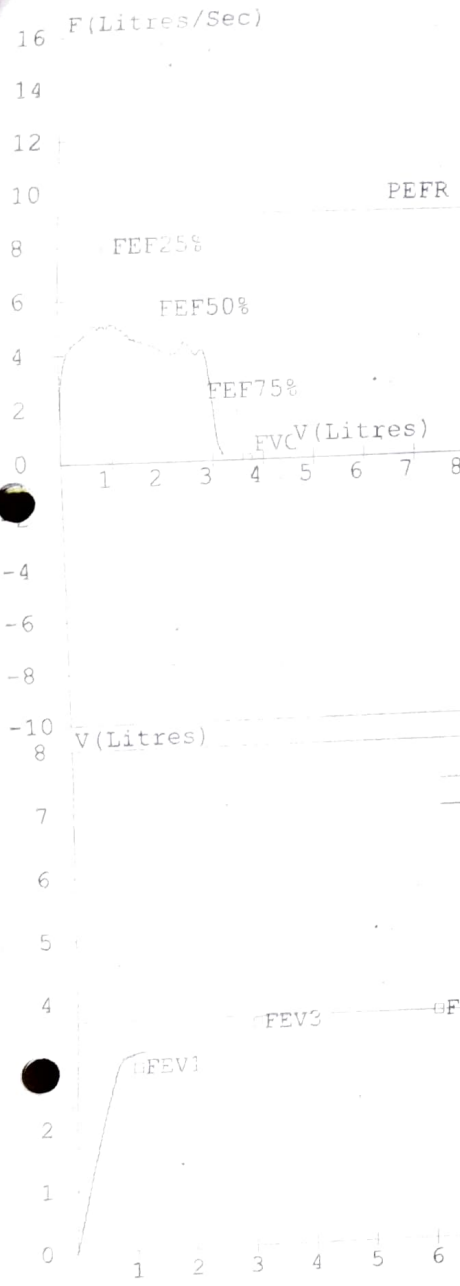


# DEOTALE DIAGNOSIS CENTRE

VINAYAK, APARTMENT, 3RD FLOOR, DHANTOLI, NAGPUR

Ant: Rangnath rai  
d. By:  
red. Eqns: RECORDERS  
Date : 12-Dec-2023 09:30 AM

Age : 47 Years Gender : Male  
Height : 177 Cms Smoker : Yes  
Weight : 77 Kgs Eth. Corr: 100  
ID: 92c Temp :



150	FEV1 %Pred	COPD SEVERITY	150	FVC%Pred	Interpretation
125	OBS	NORM	125	OBS	NORM
100			100		
75	MODERATE		75		
50	SEVERE		50		
25	VERY SEVERE	RES	25	MIXED	RES
0			0		
25 50 75 100 125 150			25 50 75 100 125 150		
(FEV1/FVC) %Pred			(FEV1/FVC) %Pred		

## Spirometry (FVC Results)

Parameter	Pred	M. Pre	%Pred	M. Post	%Pred	%Imp
FVC (L)	03.70	03.22	087	-----	---	---
FEV1 (L)	02.96	03.19	108	-----	---	---
FEV1/FVC (%)	80.00	99.07	124	-----	---	---
FEF25-75 (L/s)	03.76	04.36	116	-----	---	---
PEFR (L/s)	09.10	05.01	055	-----	---	---
FIVC (L)	-----	-----	---	-----	---	---
FEV.5 (L)	-----	02.29	---	-----	---	---
FEV3 (L)	03.59	03.22	090	-----	---	---
PIFR (L/s)	-----	-----	---	-----	---	---
FEF75-85 (L/s)	-----	03.95	---	-----	---	---
FEF.2-1.2 (L/s)	06.77	04.69	069	-----	---	---
FEF 25% (L/s)	07.98	04.90	061	-----	---	---
FEF 50% (L/s)	05.59	04.39	079	-----	---	---
FEF 75% (L/s)	02.53	04.16	164	-----	---	---
FEV.5/FVC (%)	-----	71.12	---	-----	---	---
FEV3/FVC (%)	97.03	100.00	103	-----	---	---
FET (Sec)	-----	01.27	---	-----	---	---
ExptTime (Sec)	-----	00.14	---	-----	---	---
Lung Age (Yrs)	047	043	091	-----	---	---
FEV6 (L)	03.70	-----	---	-----	---	---
FIF25% (L/s)	-----	02.00	---	-----	---	---
FIF50% (L/s)	-----	02.00	---	-----	---	---
FIF75% (L/s)	-----	02.00	---	-----	---	---

Pre Test COPD Severity  
Test within normal limits

Pre Medication Report Indicates  
Early Small Airway Obstruction as FEF 25-75 %Pred or PEFr %Pred < 70  
Spirometry within normal limits as (FEV1/FVC) %Pred > 95 and FVC %Pred > 80.

Dr. Deepak Deotale  
MBBS, AFIR  
Reg. No 48366



Dr. Dipak Nath

Ray No 46366

ATHI RAI

Male

Age:

22P

Acq. Date: 12-Dec-23  
Acq. Time: 11:04:51 AM  
Exp. Index: 690

R

16cm

CHEST

PA

W: 4096, C: 2048

Scale: 0.13

MAYA DIAGNOSTICS



# Deotale Diagnostic Centre (we care)

☒ Consultation ☒ Diagnostics ☒ Health Check- Up: ☒ Immunization.  
Clinic: Vinayak Apt. 3<sup>rd</sup> floor Dhantoli Lokmat Chowk Nagpur

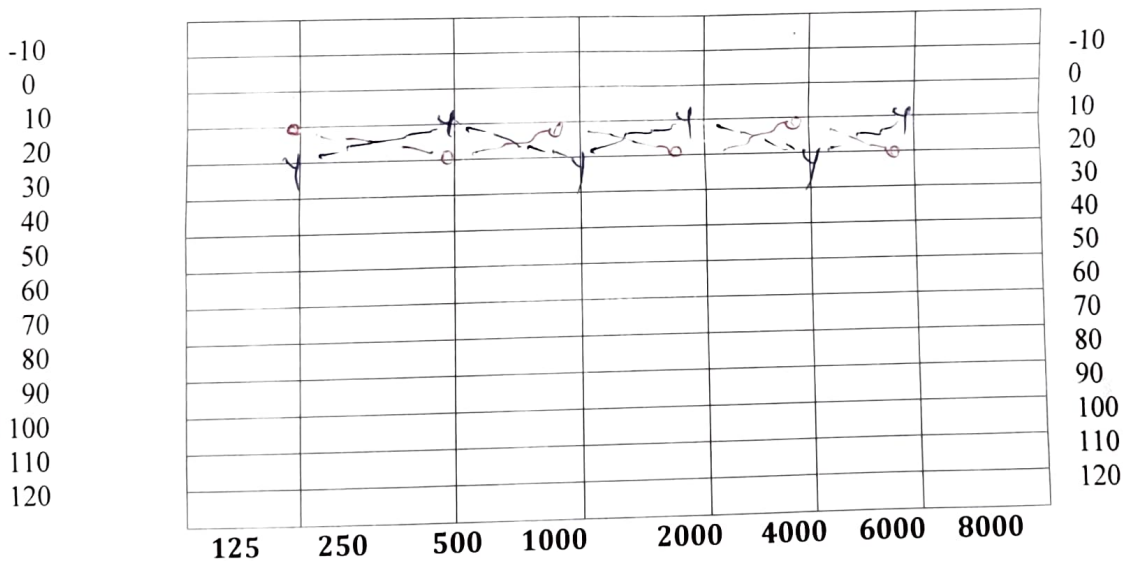
Resi:- 1B, Prashant Nagar Wardha-Road Nagpur (Clinic Reg. No. 699)

For any assistance call at . 9860204241, 0712-6610595



Date: 12-12-2023

## AUDIOLOGICAL EVALUATION

1. SR.NO:92	CERTIFICATE NO: 92	2. EMPLOYEES CODE: 101632
3. DEPARTMENT: Mines		4. DESIGNATION: Dy General Manager
5. NAME : Rangnath Rai		6.CONTRACTOR NAME: PCL
7. SEX : Male		8. AGE: 47 yrs
9. ADDRESS : PRISM JOHNSON LIMITED, MANKAHARI,PO: BATHIA, DIST: SATNA, MADHYA PRADESH		
10. DIAGNOSIS: LT: WNL	11.RT: WNL	



## TEST FREQUENCY

Air O	= LEFT EAR :		<u>WNL</u>
Y	= RIGHT EAR :		<u>WNL</u>
Masking			
No Response: Audiologists Remarks			

Dr. DEEPAK DEOTALE Dr. Deepak Deotale  
M.B.B.S. A.F.I.H. MBBS, AFIH  
Reg. No. 48366 Reg. No. 48366



92

TEST NO

92

# MAYA HOSPITAL & RESEARCH INSTITUTE

Add.: Plot .P 78, Opposite State Bank of India, MIDC  
Butibori (Nagpur)  
Ph 07103-684885

Deotale Diagnostic Center We Care

= Consultation = Diagnostics Health = Check-Ups = Immunization

Dr. Deepak P. Deotale  
M.B.B.S., A.F.I.H.  
(Associated fellow Of industrial  
health)  
Certifying Surgeon Reg .No. 48366

Clinic : Vinayak Apt. 3<sup>rd</sup> floor  
Dhantoli,  
Lokmat Chowk ,Nagpur  
(Clinic Reg. No. 699)

Mob. No .8007771341

Email ID:

deotaledeepak19577@gmail.com

SR.NO	92
CERTIFICATE NO	92
EMPLOYEES CODE	101632
NAME	Rangnath Rai
GENDER	Male
DEPARTMENT	Mines
DESIGNATION	Dy General ManagerDy General Manager
Check Up Date	12-12-2023
MOB NO	9584460221

Company Name: PRISM JOHNSON LIMITED, MANKAHARI, PO: BATHIA,  
DIST: SATNA, MADHYA PRADESH

**PRISM JOHNSON LTD.**  
**CSR Activities Status and Expense Summary FY 2024-25 (Cement)**

Sl. No.	CSR Project Name/ Activities Undertaken	Item from the list of activities in Schedule VII of the Act	Location of the Project			Implementation Schedule during FY 2024-245 in crore					Amount Spent In the Project or Programs (Rs. in Crore)	Mode of Implementation on Direct: Yes/No	Mode of Implementation - Through Implementing Agency	
			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
A.	Availability of drinking water Schedule VII (i))													
1	Drinking water supply through Water Tanker at nearby villages in summer season	Availability of drinking water Schedule VII (i))	Yes	Madhya Pradesh	Satna	0.02	0	0	0.01	0.03	0.02	Yes	-	-
2	Drilling of a 300-foot bore well with 1 HP submersible water pump installation at Khambha Baba Mankahari	Availability of drinking water Schedule VII (i))	Yes	Madhya Pradesh	Satna	0	0	0	0	0.00	0.01	Yes	-	-
3	Installation of new hand pump at Sijahata	Availability of drinking water Schedule VII (i))	Yes	Madhya Pradesh	Satna	0	0.015	0	0	0.02	0.00	Yes	-	-
4	Installation of new Hand pump with bore well at nearby villages Baghai	Availability of drinking water Schedule VII (i))	Yes	Madhya Pradesh	Satna	0	0	0	0	0.00	0.00	Yes	-	-
5	Installation of new hand pump at Bathiya	Availability of drinking water Schedule VII (i))	Yes	Madhya Pradesh	Satna	0	0	0	0	0.00	0.00	Yes	-	-
			Sub Total			0.02	0.02	0.00	0.01	0.05	0.03			
B.	Environment, water Conservation and Promoting renewable energy													
6	Road side plantation with tree guards at Baghai and Medhi (65)	Plantation for Environment Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0	0.02	0	0	0.02	0.02	Yes	-	-
7	Survival of 53000 saplings at Khamhariya Forest Land plantation	Plantation for Environment Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0.04	0.03	0.03	0.04	0.14	0.05	Yes	-	-
8	Survival of 20000 saplings at Chulhi Jamodi Forest Land plantation under CSE/CSR redencification Scheme	Plantation for Environment Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0.03	0	0	0	0.03	0.03	No	Divisional Forest Officer Satna	CSR00033247
9	Distribution of 5200 Fruit Plants to villagers at Mankhari, Malgaon, Mahurachh, Bahelia Bhat, Baghai, Narsinghpur, Hinauti, Ghunghunehai, Sailanpur	Plantation for Environment Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0	0.01	0	0	0.01	0.01	Yes	-	-
10	Desilting of 145 M waterways channel at Bamhauri	Conservation of Natural Resources Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0.01	0.02	0	0	0.03	0.02	Yes	-	-



**PRISM JOHNSON LTD.**  
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			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
11	Construction of Single Bore shaft water harvesting structures at Selhana Baijanaha	Water Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0.01	0	0	0	0.01	0.00	Yes	-	-
12	Construction of Single Bore shaft water harvesting structures at Padkhuri	Water Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0	0.02	0	0	0.02	0.00	Yes	-	-

**PRISM JOHNSON LTD.**  
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			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
13	Construction of 50 perforated drum based water harvesting structures at Tapa	Water Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0	0.02	0	0	0.02	0.00	Yes	-	-
14	Construction of 50 perforated drum based water harvesting structures at Bairiha	Water Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0	0.02	0	0	0.02	0.01	Yes	-	-
15	Construction of 50 perforated drum based water harvesting structures at Bathiya	Water Conservation Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0	0.03	0	0	0.03	0.00	Yes	-	-
			Sub Total			0.09	0.17	0.03	0.04	0.33	0.14			
C.	Health & Hygiene Schedule VII (i)													
16	Free consultation & medicines distribution to ----- patients from PCL Medical centre Out door patient to nearby villagers from Mankahari, Hinauta, Hinauti, Pithaipur, Badarakha, Sijahata, Medhi, Jhanjhar, Mugwari, Baghai, Bathiya, Bamhauri, Mahurachh, Narsinghpur, Chulhi, Majhiyar, Bairiha & Chormari	Health & Hygiene Schedule VII (i)	Yes	Madhya Pradesh	Satna	0.01	0.01	0.01	0.01	0.04	0.04	Yes	-	-
17	Providing of free ambulance services to --- patients from Mankahari, Hinauta, Hinauti, Pithaipur, Badarakha, Sijahata, Medhi, Jhanjhar, Mugwari, Baghai, Bathiya, Bamhauri, Mahurachh, Narsinghpur, Chulhi, Majhiyar, Bairiha & Chormari	Health & Hygiene Schedule VII (i)	Yes	Madhya Pradesh	Satna	0.02	0.02	0.02	0.02	0.08	0.03	Yes	-	-
18	Organisation of Mega Medical Camps in nearby villages (4 Nos.)	Health & Hygiene Schedule VII (i)	Yes	Madhya Pradesh	Satna	0	0	0.02	0.01	0.03	0.00	Yes	-	-
19	Operation & Maintenance of Sulabh Complex at Mahurachh Turning (12 months)	Health & Hygiene Schedule VII (i)	Yes	Madhya Pradesh	Satna	0.00075	0.00075	0.00075	0.00075	0	0.00	Yes	-	-

**PRISM JOHNSON LTD.**  
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			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
20	Providing sanitary machines and awareness training in Baghai, Bairiha and Sijahata villages	Health & Hygiene Schedule VII (i)	Yes	Madhya Pradesh	Satna	0	0.01	0	0	0.01	0.00	Yes	-	-
			Sub Total			0.03	0.04	0.05	0.04	0.16	0.07			



**PRISM JOHNSON LTD.**  
**CSR Activities Status and Expense Summary FY 2024-25 (Cement)**

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			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
D.	Promoting Education Schedule VII (ii)													
21	Renovation of Government Middle School Chulhi	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0.01	0.02	0	0.03	0.00	Yes	-	-
22	Painting of Govt. Degree College Rampur Baghelan	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0.01	0.01	0	0.02	0.00	Yes	-	-
23	Renovation of Government Middle School Bardadih	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0	0.01	0.01	0.02	0.00	Yes	-	-
24	Construction of 179 M Boundary wall at Government Primary School Medhi	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0.03	0.03	0.02	0.04	0.12	0.00	Yes	-	-
25	Renovation and support to Anganvadi at Bamhauri villages	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0	0.01	0.01	0.02	0.00	Yes	-	-
26	200 Awareness Wall paintings and slogans writing pertaining to different social themes at Mahurachh, Karmau, Bairiha and Tapa	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0.01	0	0	0	0.01	0.01	Yes	-	-
27	Distribution of stationery and Bag to 500 students from Govt Schools Hinauti, Sijahata and Baghai and Vaccume Cleaner to Govt Middle School Malgaon	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0.01	0.01	0	0.02	0.00	Yes	-	-
28	Scholarship to 36 Meritorious (1st, 2nd and 3rd rank holder) Students from Government Higher Secondary School Sijahata and Bamhauri, Government Girls Middle School Sijahata, Government Middle School Mankahari, Hinauti, Baghai, Malgaon and Chulhi	Promoting Education Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0.01	0	0	0.01	0.01	Yes	-	-
			Sub Total			0.04	0.07	0.08	0.06	0.25	0.02			
E.	Rural Infrastructure Development Schedule VII (X)													
29	Construction of 2.5KM*4M WBM road at Chulhi	Rural Infrastructure Development Schedule VII (X)	Yes	Madhya Pradesh	Satna	0.01	0.01	0	0	0.02	0.00	Yes	-	-

**PRISM JOHNSON LTD.**  
**CSR Activities Status and Expense Summary FY 2024-25 (Cement)**

Sl. No.	CSR Project Name/ Activities Undertaken	Item from the list of activities in Schedule VII of the Act	Location of the Project			Implementation Schedule during FY 2024-245 in crore					Amount Spent In the Project or Programs (Rs. in Crore)	Mode of Implementation on Direct: Yes/No	Mode of Implementation - Through Implementing Agency	
			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
30	135 meters Pathway construction along with pond at Mankahari	Rural Infrastructure Development Schedule VII (X)	Yes	Madhya Pradesh	Satna	0	0.01	0.02	0	0.03	0.04	Yes	-	-
31	Construction of 100 running meter drainage at Chulhi	Rural Infrastructure Development Schedule VII (X)	Yes	Madhya Pradesh	Satna	0	0.02	0.02	0	0.04	0.00	Yes	-	-
32	Construction of 100 running meter drainage at Baghai	Rural Infrastructure Development Schedule VII (X)	Yes	Madhya Pradesh	Satna	0	0.02	0.02	0	0.04	0.00	Yes	-	-
33	Construction of devighat at Hinauti	Rural Infrastructure Development Schedule VII (X)	Yes	Madhya Pradesh	Satna	0	0.02	0.02	0	0.04	0.00	Yes	-	-
			Sub Total			0.01	0.08	0.08	0.00	0.17	0.04			
<b>F.</b>	<b>Social Welfare Schedule VII (iii, iv &amp; vi)</b>													
34	Support to Old Age Home, Dr. Lalta Prasad Khare Charitable Trust, Nimi Babupur	Social Welfare Schedule VII (iii)	Yes	Madhya Pradesh	Satna	0.02	0.02	0.01	0.01	0.06	0.03	No	Dr. Lalta Prasad Khare Public Charitable Trust Chandrashaya Sakariya Road Nimi Satna Mob: 9425172747	CSR00000455
35	Assistance Measures for development of societies, war widows, social weaker section of society, promoting art and culture etc.	Social Welfare Schedule VII (iii)	Yes	Madhya Pradesh	Satna	0	0	0.01	0	0.01	0.00	Yes	-	-
36	Fodder arrangement for 100 cows at Gaushala Mahurachh	Animal Welfare Schedule VII (iv)	Yes	Madhya Pradesh	Satna	0.02	0.01	0	0	0.03	0.03	Yes	-	-
			Sub Total			0.04	0.03	0.02	0.01	0.10	0.06			
<b>G.</b>	<b>Vocational Skill Development Schedule VII (ii)</b>													
37	Training program for driver with license making for 50 persons	Vocational Skill Development Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0	0.01	0	0.01	0.00	Yes	-	-
38	Training program for Stitching for 33 persons from nearby villages.	Vocational Skill Development Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0	0.02	0.01	0.03	0.00	Yes	-	-
39	Training program for farmers for organic farming and NADEP from nearby villages training to 50 farmers	Livelihood Assistance Schedule VII (ii)	Yes	Madhya Pradesh	Satna	0	0	0.01	0	0.01	0.00	Yes	-	-

**PRISM JOHNSON LTD.**  
**CSR Activities Status and Expense Summary FY 2024-25 (Cement)**

Sl. No.	CSR Project Name/ Activities Undertaken	Item from the list of activities in Schedule VII of the Act	Location of the Project			Implementation Schedule during FY 2024-245 in crore					Amount Spent In the Project or Programs (Rs. in Crore)	Mode of Implementation on Direct: Yes/No	Mode of Implementation - Through Implementing Agency	
			Local Area (Yes/No)	State	District	Q1	Q2	Q3	Q4	Total			Name	CSR Registration No.
			Sub Total			0.00	0.00	0.04	0.01	0.05	0.00			
			Grand Total			0.23	0.41	0.30	0.17	1.11	0.36			

Prakash Pandey  
Prepared By

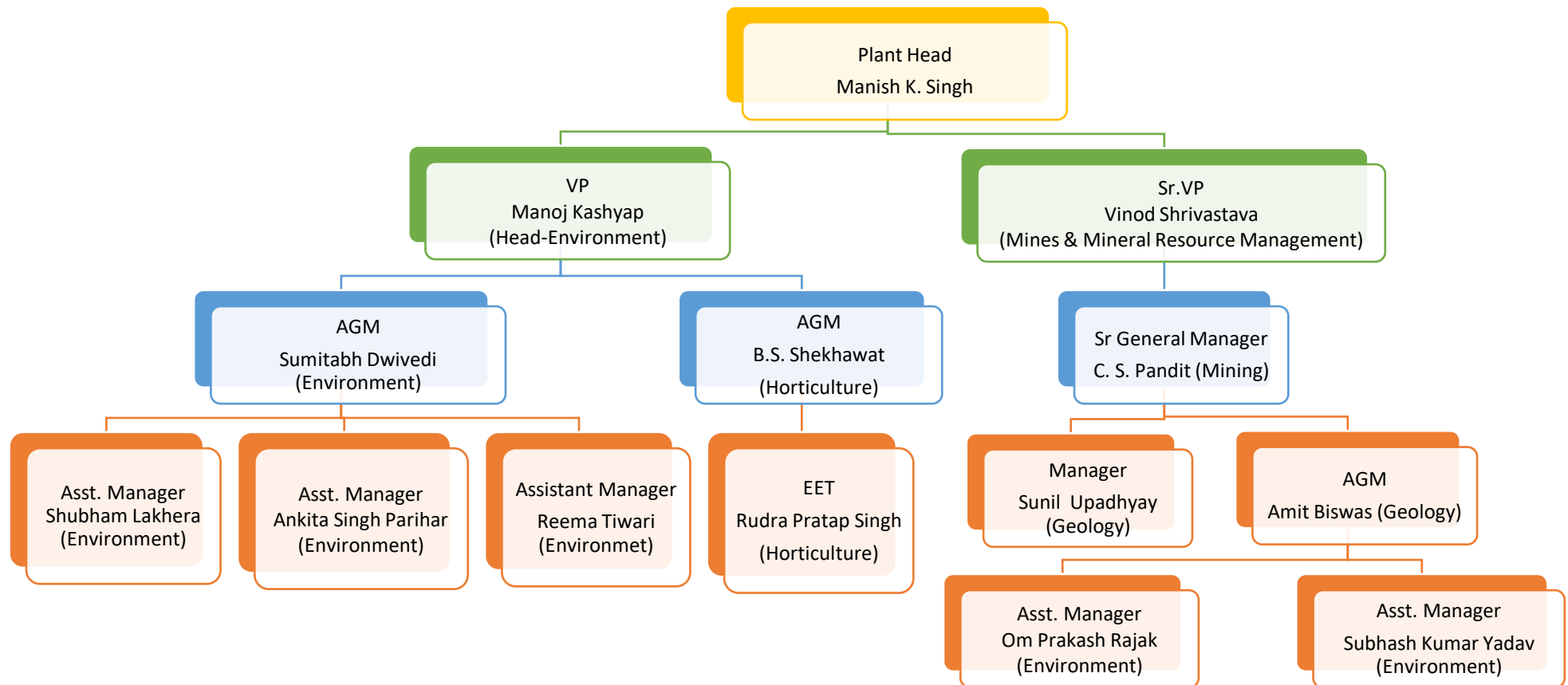
Devendra Mishra  
Checked By

M. K. Sinha  
Functional Head



# Prism Johnson Limited

## ENVIRONMENT MANAGEMENT CELL



Apr-24 to Sept-24			
Particulars	Expenditure (Rs)		
	Unit-1	Unit-2	Total
Maintenance cost for operating air pollution controlling equipment's	14,500,032.45	2,192,473.50	16,692,505.95
APCE power consumption Cost	20,821,820.80	55,524,310.83	76,346,131.63
STP Operation & maintenance	733,671.93		733,671.93
House Keeping	2,587,537.05		2,587,537.05
Plantation, Maintenance & survival	894,802.00		894,802.00
Environmental Study/Audit	865,530.00		865,530.00
Environmental monitoring & Compliance	688,017.50	1,948,935.00	2,636,952.50
License/Permission	2,118,700.00		2,118,700.00
Others (RWH structure maintenance, Poster/Slogan etc)	479,420.30		479,420.30
CEMS/ AAQMS Maintenance Cost	1,500,000.00		1,500,000.00
Expenditure for Environment Protection Mine Leases.	4,609,368.00		4,609,368.00
<b>Total</b>			<b>104,148,474.91</b>



**PRISMA CEMENT LIMITED**

Works : Vill-Vaishankar, P.O.-Indira, Dist.-Sagar - 485111 (M.P.) India  
Tel. : 007672 275203-2, 275211-22, Fax : 275201  
Corps. Addl. : 'Rajkesh', Resr. Road, Sagar - 485001 (M.P.) India  
Tel. : 007672 902726, Fax : 402710



Ref: PCU/ENV/2011/31/U2

Date: 11.04.2011

To,  
Regional Director,  
Ministry of Environment & Forests  
Regional Office, Western Region  
Ravishankar Nagar, Bhopal

Dear Sir,

Sub: Intimation of financial closure of the project

Your Ref: I-11011/949/2007-IA-II (I) Date 22.09.2008

With reference to above mentioned subject and letter, we would like to inform you that the date of financial closure / commercial production is 01.01.2011. A certificate in this regard is attached.

Thanking you,

Yours faithfully,  
For PRISM CEMENT LIMITED

**D.K. Singh**  
Jt. General Manager (Environment)

Enc: as above



मध्यप्रदेश शासन  
जिला व्यापार एवं उद्योग केन्द्र, सतना

क्रमांक/जि.व्या.उके-सत/बृहद उद्योग/2011/

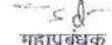
सतना दिनांक :-

उत्पादन प्रमाण पत्र

प्रमाणित किया जाता है कि मेसर्स प्रिज्म सीमेंट यूनिट- 2 (ए यूनिट आफ प्रिज्म सीमेंट लि0) ग्राम मनकहरी पो0 बठिया जिला-सतना (म0प्र0) को भारत सरकार उद्योग मंत्रालय से आई0ई0एम0 पार्ट बी जारी किया गया है जिसका नं0 3406/ आईआईएम/ पीआरओडी/2011 न्यू देहली दिनांक 27-1-11 है। इसमें वर्णित उत्पाद का नाम वार्षिक स्थापित क्षमता एवं उत्पादन दिनांक निम्नानुसार है :-

क्र0	आईएम कोड	उत्पाद का नाम	स्टाल कैपिसिटी	व्यवसायिक उत्पादन दिनांक
1-	3242	आल वैसइटीज आफ पोर्टलैण्ड सीमेंट	3600000 टन	1-1-2011
2-	3241	सीमेंट क्लिंकर	2300000 टन	1-1-2011

उपरोक्तानुसार एवं इकाई द्वारा प्रस्तुत किये गये अभिलेखों के आधार पर सीमेंट क्लिंकर की वार्षिक उत्पादन क्षमता 2300000 टन एवं आल वैसइटीज आफ पोर्टलैण्ड सीमेंट की वार्षिक उत्पादन क्षमता 3600000 टन के लिये, व्यवसायिक उत्पादन दिनांक 1-1-2011 है।


  
महाप्रबंधक

जिला व्यापार एवं उद्योग केन्द्र,  
सतना(म0प्र0)

क्रमांक/जि.व्या.उके-सत/बृहद उद्योग/2011/ 65/5-  
प्रतिलिपि :-

सतना दिनांक :- 31/3/11

मेसर्स प्रिज्म सीमेंट यूनिट- 2 (ए यूनिट आफ प्रिज्म सीमेंट लि0) ग्राम मनकहरी पो0 बठिया जिला-सतना (म0प्र0)।

  
महाप्रबंधक  
जिला व्यापार एवं उद्योग केन्द्र,  
सतना(म0प्र0)

नव स्वदेश, दिनांक 25.07.2008  
सतना

### आम सूचना

सर्वसाधारण को यह सूचित किया जाता है कि प्रिज्म सीमेंट (यूनिट-II) क्लिंकर प्रोडक्शन 3.0MTPA, सीमेंट प्रोडक्शन 6.7MTPA और माइन्स (हिनीती और सिजहटा 772.067 हे., हिनीती और सिजहटा 99.416 हे. मेढी 117.594 हे. और बगहाई - 512.317 हे.) मनकहरी, पोस्ट-बठिया जिला सतना (म.प्र.) का पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की वेब साइट [Ltp://entor.nic.in](http://entor.nic.in) पर उपलब्ध है।

सीएम 3630

देशबन्धु, सतना  
दिनांक 25.07.2008

### आम सूचना

सर्व साधारण को यह सूचित किया जाता है कि प्रिज्म सीमेंट (यूनिट-II) क्लिंकर प्रोडक्शन 3.0 एम टी पी ए, सीमेंट प्रोडक्शन 6.7 एम टी पी ए और माइन्स (हिनीती और सिजहटा 772.067 हे., हिनीती और सिजहटा 99.416 हे., मेढी 117.594 हे. और बगहाई 512.317 हे.) मनकहरी, पोस्ट बठिया जिला सतना (म.प्र.) का पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की वेब साइट <http://entor.nic.in> पर उपलब्ध है।

प्रबंधक  
प्रिज्म सीमेंट लि.  
मनकहरी, जिला सतना म.प्र.



भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
Government of India  
Ministry of Environment & Forests  
(IA Division)

Speed post

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi - 110 003  
E-mail: [hsmalviya@gmail.com](mailto:hsmalviya@gmail.com)  
Telephone: 011: 2436 7076

F. No. J-11011/949/2007-IA-II(I)

Dated : September 22, 2008

To

M/s Prism Cement Limited  
Village Makahari,  
Post Bathia,  
District Satna, M.P.

[dk Singh@prismcement.com](mailto:dk Singh@prismcement.com)

Sub: Clinker Production Unit (3.0 MTPA), Cement (6.7 MTPA) and Mines (Hinouti & Sijhata I - 772.067, Hinouti & Sijhata II - 99.416, Mendhi - 117.594 ha. and Bagahai 512.317 ha) at Makahari, PO Bathia, District Satna, MP by M/s Prism Cement Ltd (Line-II) - Environmental Clearance reg.

Sir,

Kindly refer your letter no. nil dated 27<sup>th</sup> May 2008 alongwith EIA/EMP and public Hearing report for seeking environmental clearance under the EIA Notification, 2006 and subsequent communication vide your letter dated 25<sup>th</sup> July 2008.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that the proposal is for environment clearance for setting up of Clinker Production Unit (3.0 MTPA), Cement (6.7 MTPA) and Mines (Hinouti & Sijhata I - 772.067, Hinouti & Sijhata II - 99.416, Mendhi - 117.594 ha. and Bagahai 512.317 ha) at Makahari, P.O. Bathia, District Satna, M.P. by M/s Prism Cement Ltd (Line-II). Consent for establishment of CPP (32 MW) is obtained from M. P. Pollution Control Board. Proposed unit of cement plant will be adjacent to its existing plant. The mines are located nearby the plant. Total plant area of existing & proposed set up is around 244 acres. Out of this, total colony area is 104 acres. The existing and proposed production lines will be in 144 acres. 85.40 Acres land is earmarked for plantation & green belt. River Tamash flows along the boundary of mines. The estimated cost of project will be Rs.1000 Crores.

3.0 Bag houses, ESPs & Bag filters will be installed for control of air pollution. Operational efficiency of all the pollution control equipments will be more than 99.98% to maintain emission of PM within 50mg/Nm<sup>3</sup>. Rain water stored in pits of existing mined out area will be used for industrial as well as drinking water purpose. Total water demand for line II will be around 2500 m<sup>3</sup>/day. No process effluent will be discharged from the manufacturing process. The domestic sewage from residential colony will be treated separately in a sewage treatment plant installed (already) with state of art technology having design capacity of 600 m<sup>3</sup>/day.

4.0 Public hearing meeting was held on 22<sup>nd</sup> May 2008.

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Page 1 of 6

प्रधान  
ग्राम पंचायत  
ज.पं. रामपुर बाघे; जिला (म.प्र.)





भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
Government of India  
Ministry of Environment & Forests  
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*[Handwritten signature]*

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सरपंच  
ग्राम पंचायत हिनौत  
ज.प. रामपुर बाघे; जिला सतना



भारत सरकार  
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बाला पंचायत मन्त्रकहरी  
ज.पं. रामपुर बाघे, जिला सतना (म.प्र.)



Speed post



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ज.प. रामपुरा, जिला सतना (म.प्र.)