

Ref: PJJ/ENV2023/746

Date: 01.12.2023

To,
The Regional Director,
Ministry of Environment, Forest & Climate Change
Regional Office (WZ) E-5,
Kendriya Paryavaran Bhavan
ES – Arera Colony, Link Road-3
Ravishankar Nagar,
Bhopal - 462016

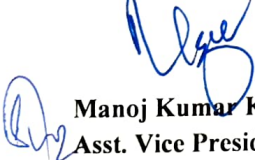
Sub: Six Monthly EC Compliance Report of Prism Johnson Limited, Unit II & Integrated Limestone Mines.
Ref: Environmental Clearance letter No. F. J- 11011/949/2007/IA-II (I) dated 22.09.2008.

Dear Sir,

With reference to above mentioned subject we are herewith submitting the half yearly EC Compliance report (April 2023 – September 2023) related to compliance of accorded Environment Clearance of Prism Cement Unit-II & Integrated Limestone Mines (772.067 Ha, 512.317 Ha, 117.594 Ha and 99.416 Ha).
Baghai limestone mine (512.317 Ha) Environment Clearance capacity has been expanded. Henceforth, separate compliance report submitted to your good self.

Kindly acknowledge the receipt.
Thanking You,

Yours faithfully,
For Prism Johnson Limited



Manoj Kumar Kashyap
Asst. Vice President

Encl: As Above

CC: The Director, MOEF & CC, Delhi
The Member Secretary – MPPCB, Bhopal
The Regional director – CPCB, Bhopal
The Regional Director – CGWB, Bhopal
The Regional Officer – MPPCB, Satna

PRISM JOHNSON 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, Laxmi Niwas Apartments, Ameerpet, Hyderabad - 500 016, India.

w: www.prismjohnson.in, www.cement.prismjohnson.in, E: info@prismjohnson.in

CIN: L26942TG1992PLCQ14Q33

**Compliance Report with Regard to Environment clearance by MoEF&CC vide
letter no. J-11011/949/2007-IA-II(I) Date: 22.09.2008**

S.No.	Conditions	Compliance Status																								
A. Specific Conditions:																										
1.	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Madhya Pradesh Pollution Control Board. 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 ³ .	The gaseous and the particulate matter emissions from various units i.e. Kiln, Coal Mill, Clinker Cooler and Cement Mill are well within the prescribed norms. There is no CPP at our cement plant. The analysis report of emissions from various units is enclosed as Annexure 1 .																								
	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.	Continuous Ambient Air quality monitoring system for Ambient air quality monitoring and Continuous emission monitoring system for particulate emissions and gaseous emissions monitoring from various units, have been installed and the monitored data is displayed at the main gate of the premises by the means of digital display board. Photographs of AAQMS, CEMS & display board is enclosed as Annexure 2 . 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.																								
2	<p>Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored</p> <p>Guidelines/Code of Practice issued by the CPCB in this regard should be followed.</p> <p>The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points. Atomized water spray system with Reclaimer shall be installed in silo used for the storage of ash. Covered conveyer belts shall be used to reduce fugitive emissions.</p> <p>Concreting of all the roads, water sprinkling system at limestone and coal handling area shall be ensured to reduce fugitive emissions</p>	<p>Secondary fugitive emissions are controlled and are maintained well within the prescribed limits by the means of various practices. Atomized sprinklers and water spraying arrangement provided at source of dust generation.</p> <p>Guidelines/Code of Practice issued by the CPCB in this regard are being followed.</p> <p>Details of practices adopted to control fugitive emission are as follows: -</p> <ol style="list-style-type: none"> 1. Covered Sheds and Silos are provided for storage of Raw materials. Details are mentioned below: - <table border="1"> <thead> <tr> <th>S. No</th><th>Name of raw material</th><th>Storage Facility</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Limestone</td><td>Covered Shed</td></tr> <tr> <td>2.</td><td>Coal</td><td>Covered Shed</td></tr> <tr> <td>3.</td><td>Gypsum</td><td>Covered Shed</td></tr> <tr> <td>4.</td><td>Laterite</td><td>Covered Shed</td></tr> <tr> <td>5.</td><td>Clinker</td><td>Silo</td></tr> <tr> <td>6.</td><td>Fly ash</td><td>Silo</td></tr> <tr> <td>7.</td><td>Cement</td><td>Silo</td></tr> </tbody> </table> 2. Flexible curtains and water spray arrangement has been 3. Fog Canon installed Near Stock Pile of Lime stone to control fugitive Emission. 	S. No	Name of raw material	Storage Facility	1.	Limestone	Covered Shed	2.	Coal	Covered Shed	3.	Gypsum	Covered Shed	4.	Laterite	Covered Shed	5.	Clinker	Silo	6.	Fly ash	Silo	7.	Cement	Silo
S. No	Name of raw material	Storage Facility																								
1.	Limestone	Covered Shed																								
2.	Coal	Covered Shed																								
3.	Gypsum	Covered Shed																								
4.	Laterite	Covered Shed																								
5.	Clinker	Silo																								
6.	Fly ash	Silo																								
7.	Cement	Silo																								

		<ol style="list-style-type: none"> 4. Bag filters (114 No. of Bag filters) are installed to control fugitive emission. 5. Dry fly ash is pneumatically unloaded and stored in silo from closed bulkers. 6. 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. 7. Closed conveyor belts are provided for transfer of raw materials within the plant premises. 8. Closed bulkers are used for transfer of fly ash to avoid fugitive emission. 9. Covered trucks are used for transfer of other raw materials and end products. 10. Wet drilling is practiced to prevent secondary fugitive emission. 11. Dense plantation is done along the periphery of roads and in plant and mines premises as measure to control fugitive emission. 12. Concrete road and truck parking area is provided to mitigate secondary fugitive emission. <p>Photographs of various measures to control fugitive emission is enclosed as Annexure 3.</p>
3	Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities.	<p>Ambient Air emission parameters are well within the prescribed norms.</p> <p>Noise levels are also within the norms.</p> <p>Monitoring report of ambient air quality analysis Annexure 4 and noise monitoring is enclosed as Annexure 5</p>
	<p>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.</p> <p>The instruments used for ambient air quality monitoring shall be calibrated time to time.</p>	<p>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.</p> <p>Calibration certificates are attached at -Annexure no. 6</p>
4	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.	<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>Raw materials and end products are transported within the plant premises with the help of closed conveyor belts to reduce impact of transport.</p>




Rail transport system has also been used which also help to reduce impact of transport. Some of them are as follows:






1. All the Roads inside the plant premises are Concreted.
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.
3. 114 No's Bag-filters have been installed to control fugitive emission.
4. Dense plantation is done in Plant & Mines premises.



5.	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	<p>Fly ash is being utilized as per the provisions of Fly ash Notification 1999, subsequently amended in 2003. Fly ash is being transported by the means of closed bulkers and it is stored in Silos and 100 % fly ash is used in cement manufacturing.</p> <p>Consumption of fly ash is as follows:</p> <table><tr><th colspan="2">Yearly Fly Ash Consumption</th></tr><tr><th>Year Qty</th><th>(MT)</th></tr><tr><td>2014-2015</td><td>907848</td></tr><tr><td>2015-2016</td><td>848939</td></tr><tr><td>2016-2017</td><td>810908</td></tr><tr><td>2017-2018</td><td>701922</td></tr><tr><td>2018-2019</td><td>855770</td></tr><tr><td>2019-2020</td><td>808392</td></tr><tr><td>2020-2021</td><td>906630</td></tr><tr><td>2021-2022</td><td>795176</td></tr><tr><td>2022-2023</td><td>923068</td></tr><tr><td>Apr-23 to Sept-23</td><td>490884</td></tr></table>	Yearly Fly Ash Consumption		Year Qty	(MT)	2014-2015	907848	2015-2016	848939	2016-2017	810908	2017-2018	701922	2018-2019	855770	2019-2020	808392	2020-2021	906630	2021-2022	795176	2022-2023	923068	Apr-23 to Sept-23	490884
Yearly Fly Ash Consumption																										
Year Qty	(MT)																									
2014-2015	907848																									
2015-2016	848939																									
2016-2017	810908																									
2017-2018	701922																									
2018-2019	855770																									
2019-2020	808392																									
2020-2021	906630																									
2021-2022	795176																									
2022-2023	923068																									
Apr-23 to Sept-23	490884																									
6.	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.	<p>Permission for utilization of High calorific hazardous waste in the cement kiln has been taken.</p> <p>Copy of same is enclosed as Annexure 07.</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 is as under:</p> <table><tr><th>Category</th><th>Waste Type</th><th>Total (MT)</th></tr><tr><td>I-29-29.1</td><td>Process waste</td><td>57.81</td></tr><tr><td>I-20-20.3</td><td>Distillation Residue</td><td>74.4</td></tr><tr><td>I-28-28.6</td><td>Spent Solvent</td><td>201.285</td></tr><tr><td>I-26-26.4</td><td>Spent Solvent</td><td>84.27</td></tr><tr><td>I-28-28.1</td><td>Process residue</td><td>84.03</td></tr><tr><td>Waste Mix Liquid</td><td>Waste Mix Liquid</td><td>12316.47</td></tr><tr><td colspan="2">Grand Total (MT)</td><td>12818.265</td></tr></table>	Category	Waste Type	Total (MT)	I-29-29.1	Process waste	57.81	I-20-20.3	Distillation Residue	74.4	I-28-28.6	Spent Solvent	201.285	I-26-26.4	Spent Solvent	84.27	I-28-28.1	Process residue	84.03	Waste Mix Liquid	Waste Mix Liquid	12316.47	Grand Total (MT)		12818.265
Category	Waste Type	Total (MT)																								
I-29-29.1	Process waste	57.81																								
I-20-20.3	Distillation Residue	74.4																								
I-28-28.6	Spent Solvent	201.285																								
I-26-26.4	Spent Solvent	84.27																								
I-28-28.1	Process residue	84.03																								
Waste Mix Liquid	Waste Mix Liquid	12316.47																								
Grand Total (MT)		12818.265																								
7.	Total water requirement shall not exceed 2500 m3/day.	<p>Water consumption will not exceed 2500 m3 / day. Details of water consumption is mentioned below:</p> <p>Waste water generated is treated with the help of STP having capacity of 600 KLD and the treated water is being used for the development of green belt. Water consumption details is enclosed as Annexure 8 (a). STP treated water analysis report is enclosed as Annexure 8 (b). Photographs of STP and Green Belt is enclosed as Annexure 8 (c).</p>																								

	<p>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.</p> <p>‘Zero’ discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.</p>	<p>STP of capacity 600 KLD has been installed to treat the domestic waste water generated and the treated waste water is being utilized for green belt development, dust suppression and cooling and the sludge waste so generated from the sewage treatment plant is used as manure in plantation.</p> <p>No effluent discharge from the plant premises is there and has maintained the Zero discharge.</p> <p>Analysis of treated water is enclosed as Annexure 8(b).</p>
8	<p>Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site.</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"> 1. Water harvesting pond of capacity 13 Lac m³ has been constructed in Mines area. 2. 7 Nos. of Roof Top rain water harvesting has been developed to harvest rain water. 3. Runoff Water Harvesting Structure Near Guest House. 4. Ground water recharge with 3 Abandoned bore-wells. 5. Groundwater Recharge Pit Connected with Storm Drain - A Type Colony. 6. Groundwater Recharge Pit Connected with Storm Drain - Near Nursery 7. Ground water recharge with abandoned bore well near steelyard. 8. Recharge Bore Hole for Recharging the Ground Water - 22 Nos 9. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system. 10. Construction of water reservoir at Baghai village for water conservation. <p>Photographs of rain water Harvesting Structure is enclosed as Annexure 09.</p>
	<p>Besides, company must also harvest the rain water from the roof tops and storm water drains to recharge the ground water</p>	<p>There are 12 Nos of Roof top rain water harvesting structures in plant premises These are:</p> <ol style="list-style-type: none"> 1. MRSS building 2. Project Office building 3. School Building. 4. Cement Mill Unit II Load Center 5. Cooler load Center of Unit I 6. Cooler load Center of Unit II 7. Store building. 8. New security barrack 9. Duratech shed 10. Packing plant Unit-1 11. Packing plant Unit-2 12. Mines workshop <p>5 More RWH structures are proposed in FY23-24. Filters have been installed at roof top drain so as to filter out the dust, grits solid contents into bore-wells.</p>

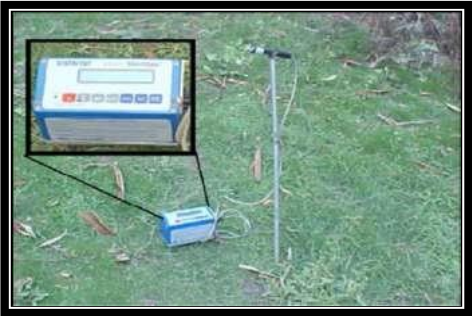

	<p>The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to avoid fresh water requirement.</p>	<p>The company collects rain water in the mined out pits of captive lime stone mine and use the same water for the various activities. The water is used for various activities i.e. spraying On haul roads, crusher hopper, green belt development etc.</p> <p>Rain water harvesting pond with capacity of 13 lac m3 has been developed and the harvested water is used for various purpose which helps conservation of fresh ground water.</p>
	<p>The company shall construct the rain water harvesting and ground water recharge structures outside the plant premises also in consultation with local gram panchayat and Village heads to augment the ground water level.</p> <p>An action plan shall be submitted to Ministry's Regional Office at Bhopal within 3months from date of issue of this letter.</p>	<p>Rain water Harvesting structures have been measures have been implemented in nearby villages are also. Some of them are as follows:</p> <ol style="list-style-type: none"> 1. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system. 2. Construction of water reservoir at Baghai village for water conservation. <p>The action plan is submitted to Ministry's Regional Office at Bhopal.</p> <p>Copy of same is enclosed as Annexure 10.</p>
9.	<p>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°.</p>	<p>We have obtained approval of further Schemes of mining for the leases of PCL as follows:</p> <ol style="list-style-type: none"> 1. 772.067 ha (Hinauti & Sijahata) vide IBM letter no MP/Satna/ Limestone/RMP-39/2019-20 Dt.31.03.2020, 2. 99.416 ha (Hinauti & Sijahata) vide IBM letter no MP/Satna/ Limestone/RMP-50/2021-22 Dt. 20.12.2021 3. 512.317ha (Baghai) vide IBM letter no MP/Satna/Limestone/RMP57/2020-21 Dt.09.04.2021 and 4. 117.594 ha (Mendhi) vide IBM letter no MP/Satna/ Limestone M.Sch-6/16-1 Dt. 04.11.2016 by the Indian Bureau of Mines <p>Copy of approval letter is enclosed as Annexure 11.</p> <p>Dump height and slope has been maintained as per guidelines. The details are enclosed as Annexure 12.</p>
10	<p>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.</p>	<p>The top soil generated during Mining is being stacked at the earmarked site and is used for reclamation of Mined out area by spreading it over the waste rock after backfilling, and for plantation purpose.</p> 
11	<p>The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations</p>	<p>The Surface water bodies in area are observed as Tamas River, which is adjacent to the Hinauti & 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. NarNala falls outside the</p>


		<p>lease area and flanks the Baghai mining lease from the western side.</p> <p>No natural water course is obstructed due to mining & plant operations. The company is taking following measures for Protection of the Tamas River, Magardaha Nala and NarNala (natural water course) which is adjacent to the Hinouti Sijhata and Baghai Limestone Mine in North East & west direction respectively.</p> <ul style="list-style-type: none"> • Solid barrier of minimum 60 m width has been made from the river bank to avoid the flow of surface run off to the River. • Garland drains made along the slope of dumps. • Rain water is channelized to a Settling Tank to eliminate silting of river & then discharged in natural drainage course. • Plantation has been done all along inside safety barrier of Tamas River. • Proper landscape has been developed near the River bank to avoid erosion. <p>There is no proposal for diversion/obstruction/ modification of any natural water course during mining activity.</p>
	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.	The proposal for natural water course protection passing nearby mine area is submitted. Copy is enclosed as Annexure 13 .
12	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.	<p>The inter burden 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. karanj, Alstonia, Neem, Sheesham, Casia etc.</p> <p>Total 30739 number of plantation has been done in Mines area and 7951 no. of plantation has been done in plant and colony premises.</p> <p>In addition to the above we have planted & distributed more than 122800 no. of plants during CSR activities in nearby village area FY 2022-23.</p>
	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.	<p>The total height of the dumps is not exceeding then 30 m and the slope of the dumps are maintained at 28°.</p> <p>Details regarding dumps is enclosed as Annexure 12.</p>
	Monitoring and management of rehabilitated areas should continue until the vegetation becomes self- sustaining.	Monitoring and management of rehabilitated areas will be continued until the vegetation becomes self-sustaining.
	Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal on six monthly bases.	Compliance status is submitted on regular basis to Ministry of Environment & Forests and its Regional Office, Bhopal. Last EC Compliance was submitted vide letter no. PJL/ENV/2023/666 dated 01.06.23 .

13	The void left unfilled shall be converted into water body.	<p>Agreed.</p> <p>A Rain water harvesting reservoir has been already developed which is having capacity of 13 lakh Cubic meter.</p> <p>The accumulated water is used for industrial purpose at mine and cement plant. Proper landscaping is done around the water body.</p>
	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.	Mined out pit has been terraced and the gentle slope is stabled and planted with adequate vegetation of local species.
	Peripheral fencing shall be carried out along the excavated area.	<p>Fencing is being done around the periphery of Mines excavated area.</p>  
14	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.	<p>Approximately 720 m. of Catch drains along dumps and 02 siltation ponds of appropriate size have been constructed. The catch drains are for inter-burden and Mineral dumps to arrest flow of silt and sediment.</p> <p>Garland drain along lease boundaries of 3.0 Km (cumulative in two locations) has been constructed.</p> <p>Check dams have been made at regular intervals in garland drains to hinder the flow of rain water and to arrest the silt.</p> 

		
		
	<p>The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon, and maintained properly</p>	<p>Complying with.</p> <p>The water so collected is being utilized for watering of Mine area, green belt development etc.</p> <p>The drains are regularly de- silted, particularly after monsoon, and maintained properly</p>
15	<p>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</p>	<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>One additional siltation ponds has been constructed. 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.</p>





	proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de-silted at regular intervals.	
16	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.	Retaining walls and siltation and toe drains are maintained to check runoff and siltation.
17	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>Regular monitoring of ground water level and quality is being carried out by the means of constructed Piezometers at the site in and around Project area. Frequency of monitoring is four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). The monitoring results for Ground water Quality & water level is being submitted to the MoEF, New Delhi, Regional Office of MoEF, Bhopal, Central Ground Water Authority, New Delhi, Central Ground Water Board, Bhopal on regular basis.</p> <p>Analysis report is enclosed as Annexure 14.</p>
18	Blasting operation should be carried out only during the daytime.	Complying with. Blasting operations are carried out during the day time only.
	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented	<p>Controlled blasting is carried out according to the recommendation of Central Institute of Mining and Fuel Research.</p> <p>The salient recommendations are given below:</p> <ul style="list-style-type: none"> The AOP has been recorded within prescribed limits <p>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 Hz. FFT analysis of blast vibration frequencies confirmed that concentration of frequencies is in band of 13.3-40.3 Hz.</p> <p>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"> Propagation equation for the prediction of blast vibration has been established and is given as Equation 1. The permissible explosive weight per

		<p>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.</p> <ul style="list-style-type: none"> • 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. • It is recommended that the existing Nonel initiation systems 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. • It is advisable to use blasting mat 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. <p>Each blast is monitored for vibrations with Minimate and Noissemographs.</p>  <p>Vibration report is enclosed as Annexure 15.</p>
19	The project proponent shall adopt wetdrilling.	<p>Complying with Regular wet drilling is practiced.</p> 
20	As proposed, green belt should be developed in 33% in and around the plant as per the CPCB guidelines.	<p>Total 31299 number of plantation has been done in Mines area and 7951 no. of plantation has been done in plant and colony premises. In addition to the above we have planted & distributed more than 120000 no. of plants during CSR activities in nearby village area FY 2022-23.</p>

21	All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.	Action Plan	Compliance status
		Cement Plant, which are not complying with notified standards shall do the following to meet the standards <ul style="list-style-type: none"> • Augmentation of existing Air Pollution Control Devices : by July 2003 • Replacement of existing Air Pollution Control devices : by July 2003 	Complied with.
		Cement plants located in the critically polluted or urban areas (including 5 Km distance outside urban boundary) will meet 100 Mg/Nm ³ limit of particulate matter by December 2004 and continue working to reduce the emission of the particulate to 50 mg/Nm ³	Complied with. We are achieving the PM emission norms within 50 mg/Nm ³ .
		The new cement kilns to be accorded NOC/ Environmental Clearance w.e.f 01.04.2003 will meet the limit of 30 mg/Nm ³ for particulate matter emissions	Complied.
		CPCB will evolve load based standards by December 2003	-----
		CPCB & NCBM will evolve SO ₂ & NO _x emission standards by June 2004	Not applicable.
		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 limestone and coal storage areas will be decided by the National	Complied Bag Filters installed at all Material transfer points, Water spraying regularly on haul roads. 

		Task Force (NTF). The NTF shall submit its recommendations within three months	
		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.
		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.	Installed continuous monitoring systems (CEMS) in all process stack.
		Trippings in kiln ESP to be minimized by July 2003 as per the recommendation of NTF	Complied.
		Industries will submit the target date to enhance the utilization of waste material by April 2003.	We are using the AFR waste material in our kiln.
		NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003	Not Applicable
		Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003	Agreed.

22	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.	Vehicular emission is kept under control. 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. No vehicle without valid PUC is allowed inside the plant and mines area. The vehicles engaged in transportation of minerals outside the corezone are provided with tarpaulin and no overloading is allowed.
23	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	Complying with. Digital processing of entire lease area using remote sensing technique is being done and copy of same has been submitted to MoEF&CC and its Regional office. Copy is enclosed as Annexure 16.
24	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure, for approval.	The documents will be submitted well before the 5 years of mine closure.
25	The company shall comply with all the commitments made during public hearing on 22 nd May, 2008.	Adhering to the given condition we will strictly Comply with all the commitments made during public hearing on 22 nd May, 2008. The public hearing comments are enclosed as Annexure 17 .
B. General Condition:		
1	The project authority shall adhere to the stipulations made by State Pollution Control Board (SPCB) and State Government.	Cement plant and all the mining operation are carried out with valid consent under air and water act issued by SPCB. The copy of consent is enclosed as Annexure-18 .
2	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry	Agreed, further expansion or modification will be carried only after obtaining the permission from Ministry.
3	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, SO ₂ and NO _x are anticipated in consultation with the SPCB	We are regularly monitor the ambient air quality at different locations in villages.
	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.	Complying with. Data on ambient air quality and stack emissions are being regularly submitted.

4	<p>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.</p>	<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 with capacity of 600 KLD.</p>  <p>Contaminated water generated due to washing of equipment is passed through oil and grease separation tanks. For separation of oil and grease particles from water, prime mover has been provided.</p>  
		 <p>STP treated water analysis report is enclosed as Annexure 8 (b). Mines workshop treated water Analysis Report is enclosed as Annexure 19</p>

5	The overall noise levels in and around the plant area shall be kept well within the standards [85 dB(A)] by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	The overall noise level is within threshold limit of 85 dB(A). To arrest the noise levels all equipment are equipped with acoustic hoods, silencer, enclosures etc. besides that operators have been provided with PPE. Green belt is developed along the plant and mining area to minimize the noise pollution.
	The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dB(A) (day time) and 70 dB(A) (night time).	Ambient Noise levels are maintained well within the prescribed norms under Environmental (Protection) Act, 1986 Rules, 1989. Noise Monitoring report is enclosed as Annexure 5 .
	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	We have already conducted various health surveillance programs whose records are maintained properly. Also sufficient preventive measures are adopted during the plant and mining operation to avoid direct exposure to dust etc. Occupational Health Survey (OHS) 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. b) Welfare Amenities: A well-equipped Dispensary has been provided with Provision of Ambulance, Pathological Laboratory & X-Ray, and Audiometry etc. OHC reports are enclosed as Annexure 20 .
8	The company shall undertake eco-development measures including community welfare measures in the project area.	Various programs per training to eco development and community welfare has been taken up by the company. Various Social, educational, healthcare and environment initiative have been taken by the company. Details of CSR Activities of year 2023-24 (till oct'23) are enclosed as Annexure 21 .
9	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Complying with. We are strictly adhering with the Environment protection measures as stipulated in approved EMP of mines. Environment Management measures adopted in Prism Johnson Limited:- <ol style="list-style-type: none"> 1. Air Pollution Control Measures i.e. bag house, ESP and bag filters installed at all process stack & transfer tower respectively. 2. Truck mounted road sweeping machine for fugitive emission control. 3. CO2 abatement by the way of plantation.

		<ol style="list-style-type: none"> 4. Limiting and minimization of hazardous materials and chemicals during manufacturing and zero disposal of hazardous waste within the boundaries. 5. Fleet and route optimization for energy and fuel saving resulting in a reduction of the CO₂ emission. 6. Installation of Continuous Emission Monitoring System (CEMS) to monitor and analyze the flue gas emitting from the stack and other emission devices. 7. Installation of bag filter, bag house and Electrostatic Precipitators (ESP) to prevent the emission of Particulate Matters. 8. Continuous and regular housekeeping of shop floor and premises to collect the waste generated and put back that waste back into a process which is to target circular economy. Zero waste has been generated through processing; all waste is reused for manufacturing. 9. Rigid pavements have been constructed within the plant and in the vicinity of plant for the transportation of the fleets. 10. Carbon sinks have been made; plantation have been done in the periphery of the establishment under to absorb the CO₂ emitted and to become a carbon neutral. 11. In house Sewage Treatment Plant (STP) of the capacity of 600KLD has been in operation from (1996) and the no all treated water is used in nursery and in manufacturing operations especially for cooling purposes. 12. Various AFRs like carbon black and plastic waste have been used to as a fuel to avoid disposal of the waste. 13. Natural STP has been set up to reuse the leaked or spilled water during the operations and the treated water is used for gardening purposes. 14. All the water pipelines are reviewed and maintained on a regular basis. Leaked taps have been replaced immediately which resulted in saving water resources. 15. Mist Cannons are used to prevent the fugitive emissions occurred during the operations. 16. Installation of Waste Heat Recovery System (WHRS) and Selective Non-Catalytic Reduction (SNCR) has been carrying out to reduce the impact of CO₂ & Nox on the environment respectively. 17. Solar Panels of the capacity of 24.5 MW which is 40% of the total energy required for the entire establishment are being installed.
--	--	---

		18. Waste heat recovery system of capacity 22.5 MW is installed, which is 25% of the total energy required
10	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	Environmental Management Cell is functioning effectively, Structure of which is enclosed as Annexure 22.
11	The capital cost and recurring cost annum earmarked for environmental 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.	Complying with the condition, the capital cost and the recurring cost earmarked for environmental protection are not diverted for any other purpose. Year Wise Recurring Expenditure for Environmental Management is enclosed as Annexure 23.
12	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. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly	Agreed. Full cooperation shall be provided to the officer(s) of the Regional Officer in furnishing the requisite data/ information/ monitoring reports. 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-. PJL/ENV/2023/666 Dated 01.06.23
13	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.	The copy of the intimation of the financial closure Of the project is enclosed as Annexure-24.
14	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made.	Agreed. No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment & Forests.

15	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.	Noise monitoring is carried out on regular basis so as to comply with the prescribed norms. Workers and employees are provided with earmuffs and necessary PPE's.
16	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 19th May, 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	No industrial wastewater is generated as the cement plant is operated on dry process. For domestic wastewater, there is a sewage treatment plant of the state-of-the-art technology. It has the capacity to treat domestic wastewater of 600 KLPD. Contaminated water generated due to washing of equipment is passed through 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.
17	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 contraindications due to exposure to dust and take corrective measures, if needed.	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. Regular Health check-up program is conducted for the workers.
18	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.	The copy of the intimation of the financial closure of the project is enclosed as Annexure-24 .
19	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.	Complied.
20	State pollution control board should display a copy of the clearance letter at the Regional Office, District Industry Centre & Collector's office/ Tehsildar's office for 30 days.	
21	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	Complied. The advertisement regarding issuance of Environment clearance and the copy of same is available at State Pollution Control Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in" was given in two newspapers i.e. Nav swadesh and Desh Bandhu on 25.09.2008.

	<p>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://envfor.nic.in" and a copy of the same shall be forwarded to the Regional Office of this Ministry.</p>	<p>Copy of advertisement is enclosed as Annexure 25.</p>
--	---	---

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

Sample Number: VTL/S/01
Name & Address of Party: M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur
Baghelan, Dist.-Satna (M.P.)

Report No.: VTL/S/2306170001
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 08/06/2023
Location : Cement Mill -II (Unit-II)
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 34 Min. (11:00 to 11:34 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) : 37
Temperature of Stack Gases - Ts (°C) : 99
Velocity of Stack Gases (m/sec.) : 8.36
Flow rate of PM (LPM) : 29
Sampling condition : Isokinetic
Flow rate of Flue Gas : 3.520 (Nm³/sec)
Moisture : 7.22 %
Cross Sectional Area of Stack : 0.72 (M²)
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	18.56	mg/Nm ³	30

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


Checked By



RK Yadav
Lab Incharge


Authorized Signatory

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

Report No.: VTL/S/2306170002
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 08/06/2023
Location : Cement Mill -I (Unit-II)
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 34 Min. (12:10 to 12:44 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) : 37
Temperature of Stack Gases - Ts (°C) : 103
Velocity of Stack Gases (m/sec.) : 8.62
Flow rate of PM (LPM) : 29
Sampling condition : Isokinetic
Flow rate of Flue Gas : 3.959 (Nm3/sec)
Moisture : 7.56 %
Cross Sectional Area of Stack : 0.785 (M²)
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	16.24	mg/Nm3	30

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

Checked By



RK Yadav
Lab Incharge

Authorized Signatory

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

Report No.: VTL/S/2306170003
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 09/06/2023
Location : Coal Mill (Unit-II)
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 32 Min. (08:30 to 09:02 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) : 32
Temperature of Stack Gases - Ts (°C) : 76
Velocity of Stack Gases (m/sec.) : 19.31
Flow rate of PM (LPM) : 31
Sampling condition : Isokinetic
Flow rate of Flue Gas : 44.486 (Nm³/sec)
Moisture : 6.10 %
Cross Sectional Area of Stack : 3.94 (M²)
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	19.78	mg/Nm ³	30

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

Checked By



RK Yadav
Lab Incharge

Authorized Signatory

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

Report No.: VTL/S/2306170004
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 09/06/2023
Location : Cooler (Unit-II)
Stack Attach To : ESP
Sampling duration (Minutes) : 34 Min. (10:00 to 10:34 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) : 36
Temperature of Stack Gases - Ts (°C) : 118
Velocity of Stack Gases (m/sec.) : 8.79
Flow rate of PM (LPM) : 29
Sampling condition : Isokinetic
Flow rate of Flue Gas : 81.722 (Nm3/sec)
Moisture : 6.40 %
Cross Sectional Area of Stack : 15.89 (M²)
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	21.35	mg/Nm3	30

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


Checked By



RK Yadav
Lab Incharge 
Authorized Signatory

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/S/05
Name & Address of Party: M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur
Baghelan, Dist.-Satna (M.P.)

Report No.: VTL/S/2306170005
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 09/06/2023
Location : Raw Mill & Kiln Stack Unit-II
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 34 Min. (15:50 to 16:24 Hrs.)
Make Of Stack : MS
Stack Diameter : 4.75 M.
Stack Height : 110.0 M.
Instrument calibration status : Calibrated
Meteorological Condition status : Clear Sky
Ambient Temperature - Ta (°C) : 40
Temperature of Stack Gases - Ts (°C) : 110
Velocity of Stack Gases (m/sec.) : 19.78
Flow rate of PM (LPM) : 29
Sampling condition : Isokinetic
Flow rate of Flue Gas : 204.862 (Nm³/sec)
Moisture : 5.18 %
Cross Sectional Area of Stack : 17.71 (M²)
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	20.78	mg/Nm ³	30
2.	Sulphur Dioxide (SO ₂)	IS: 11255 (P-2) : 1985, RA 2019	17.26	mg/Nm ³	700
3.	Oxide of Nitrogen (NO ₂)	IS: 11255 (P-7) : RA 2017	514.21	mg/Nm ³	800

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


Checked By



RK Yadav

Lab Incharge


Authorized Signatory

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/S/06
Name & Address of Party: M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur
Baghelan, Dist.-Satna (M.P.)

Report No.: VTL/S/2306170006
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 07/06/2023
Location : Cement Mill-II (Unit-I)
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 43 Min. (10:40 to 11:23 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) : 36
Temperature of Stack Gases - Ts (°C) : 96
Velocity of Stack Gases (m/sec.) : 6.64
Flow rate of PM (LPM) : 23
Sampling condition : Isokinetic
Flow rate of Flue Gas : 2.796 (Nm³/sec)
Moisture : 8.10 %
Cross Sectional Area of Stack : 0.72 (M²)
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	17.51	mg/Nm ³	30

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


Checked By



RK Yadav
Lab Incharge

Authorized Signatory 

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/S/07
Name & Address of Party: M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur
Baghelan, Dist.-Satna (M.P.)

Report No.: VTL/S/2306170007
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 07/06/2023
Location : Cement Mill-I (Unit-I)
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 45 Min. (09:00 to 09:45 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) : 35
Temperature of Stack Gases - Ts (°C) : 98
Velocity of Stack Gases (m/sec.) : 6.50
Flow rate of PM (LPM) : 22
Sampling condition : Isokinetic
Flow rate of Flue Gas : 2.982 (Nm³/sec)
Moisture : 7.89 %
Cross Sectional Area of Stack : 0.785 (M²)
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	19.27	mg/Nm ³	30

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

Checked By



RK Yadav
Lab Incharge

Authorized Signatory

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/S/08
Name & Address of Party: M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur
Baghelan, Dist.-Satna (M.P.)

Report No.: VTL/S/2306170008
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 07/06/2023
Location : Raw Mill & Kiln Stack Unit-I
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 17 Min. (17:00 to 17:17 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) : 37
Temperature of Stack Gases - Ts (°C) : 104
Velocity of Stack Gases (m/sec.) : 17.22
Flow rate of PM (LPM) : 58
Sampling condition : Isokinetic
Flow rate of Flue Gas : 178.313 (Nm³/sec)
Moisture : 4.80 %
Cross Sectional Area of Stack : 17.71 (M²)
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	21.84	mg/Nm ³	30
2.	Sulphur Dioxide (SO ₂)	IS: 11255 (P-2) : 1985, RA 2019	22.12	mg/Nm ³	700
3.	Oxide of Nitrogen (NO ₂)	IS: 11255 (P-7) : RA 2017	560.95	mg/Nm ³	1000

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

Checked By



RK Yadav
Lab Incharge

Authorized Signatory

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

Report No.: VTL/S/2306170009
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 07/06/2023
Location : Coal Mill (Unit-I)
Stack Attach To : Bag Filter
Sampling duration (Minutes) : 19 Min. (15:30 to 15:49 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) : 38
Temperature of Stack Gases - Ts (°C) : 74
Velocity of Stack Gases (m/sec.) : 14.17
Flow rate of PM (LPM) : 52
Sampling condition : Isokinetic
Flow rate of Flue Gas : 32.659 (Nm³/sec)
Moisture : 4.80
Cross Sectional Area of Stack : 3.94 (M²)
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	19.10	mg/Nm ³	30

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

Checked By



RK Yadav
Lab Incharge

Authorized Signatory

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/S/10
Name & Address of Party: M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur
Baghelan, Dist.-Satna (M.P.)

Report No.: VTL/S/2306170010
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 23/06/2023
Period of Analysis: 17- 23/06/2023
Receipt Date: 17/06/2023

Sample Description : STACK EMISSION MONITORING

Sample Collected : VTL Team
Date & Time of Sampling : 07/06/2023
Location : Cooler (Unit-I)
Stack Attach To : ESP
Sampling duration (Minutes) : 48 Min. (12:00 to 12:48 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) : 38
Temperature of Stack Gases - Ts (°C) : 114
Velocity of Stack Gases (m/sec.) : 6.51
Flow rate of PM (LPM) : 21
Sampling condition : Isokinetic
Flow rate of Flue Gas : 60.523 (Nm³/sec)
Moisture : 5.10 %
Cross Sectional Area of Stack : 15.89 (M²)
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	21.53	mg/Nm ³	30

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

Checked By

RK Yadav
Lab Incharge

Authorized Signatory

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

Display Board



Hazardous Waste Display Board

UNIT-I

DISPLAY OF INFORMATION RELATED TO AIR, WATER AND HAZARDOUS WASTE GENERATION

NAME OF THE INDUSTRY/FACILITY WITH CONTACT DETAILS: (AS PER THE CONSENT TO ESTABLISH/OPERATE) **PRISM JOHNSON LIMITED**

DATE OF UPDATE OF DISPLAY: **05.08.2023**

DETAILS OF UPDATES/CONSENT TO OPERATE AND AUTHORIZATION WITH VALIDITY: COT VALIDITY-30.06.2024 HW AUTHORIZATION VALIDITY-30.06.2027

DETAILS OF OPERATIONAL STATUS: OPERATIONAL / NON-OPERATIONAL

VI PRODUCTION DETAILS

S.NO	PRODUCTS MANUFACTURED (INCLUDING RECYCLING UTILIZATION)	DETAILS OF HAZARDOUS CHEMICALS USED WITH QUANTITY AND PURPOSE	TYPE OF HW GENERATED WITH CATEGORY AS PER HWM RULES, 2016	QUANTITY OF HW GENERATED STORED/DISPOSED (IN TONS/MINUTES)	MODE OF TREATMENT AND DISPOSAL (PREPROCESSING/CO-PROCESSING RECYCLING/UTILIZING/REUSE/SL/INCINERATOR ETC)
1	CEMENT	NO	SL/SL	NIL	NIL
2	CEMENT	NO	SL/SL	NIL	NIL

II AIR EMISSION

S.NO	PARAMETER	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PM ₁₀	mg/m ³	5.48 (50-100)	PM-30
2	PM _{2.5}	mg/m ³	1.40 (0.50-1.00)	PM-30
3	SO ₂	ppm	10-15	PM-30
4	NO _x	ppm	10-15	PM-30

III WATER POLLUTION

S.NO	PARAMETER	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

IV EFFLUENT DISCHARGE

S.NO	PARAMETER	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

V WASTE CONNECTIONS

S.NO	WASTE CONNECTIONS	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

VI WASTE CONNECTIONS

S.NO	WASTE CONNECTIONS	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

UNIT-II

DISPLAY OF INFORMATION RELATED TO AIR, WATER AND HAZARDOUS WASTE GENERATION

NAME OF THE INDUSTRY/FACILITY WITH CONTACT DETAILS: (AS PER THE CONSENT TO ESTABLISH/OPERATE) **PRISM JOHNSON LIMITED**

DATE OF UPDATE OF DISPLAY: **05.08.2023**

DETAILS OF UPDATES/CONSENT TO OPERATE AND AUTHORIZATION WITH VALIDITY: COT VALIDITY-30.06.2024 HW AUTHORIZATION VALIDITY-30.06.2027

DETAILS OF OPERATIONAL STATUS: OPERATIONAL / NON-OPERATIONAL

VI PRODUCTION DETAILS

S.NO	PRODUCTS MANUFACTURED (INCLUDING RECYCLING UTILIZATION)	DETAILS OF HAZARDOUS CHEMICALS USED WITH QUANTITY AND PURPOSE	TYPE OF HW GENERATED WITH CATEGORY AS PER HWM RULES, 2016	QUANTITY OF HW GENERATED STORED/DISPOSED (IN TONS/MINUTES)	MODE OF TREATMENT AND DISPOSAL (PREPROCESSING/CO-PROCESSING RECYCLING/UTILIZING/REUSE/SL/INCINERATOR ETC)
1	CEMENT	NO	SL/SL	NIL	SENT TO AUTHORIZED VENDOR
2	CEMENT	NO	SL/SL	NIL	SENT TO AUTHORIZED VENDOR

II AIR EMISSION

S.NO	PARAMETER	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PM ₁₀	mg/m ³	5.48 (50-100)	PM-30
2	PM _{2.5}	mg/m ³	1.40 (0.50-1.00)	PM-30
3	SO ₂	ppm	10-15	PM-30
4	NO _x	ppm	10-15	PM-30

III WATER POLLUTION

S.NO	PARAMETER	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

IV EFFLUENT DISCHARGE

S.NO	PARAMETER	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

V WASTE CONNECTIONS

S.NO	WASTE CONNECTIONS	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5

VI WASTE CONNECTIONS

S.NO	WASTE CONNECTIONS	UNIT	MONITORING DATA	COMPLIANCE STATUS
1	PH		8.01	2.50
2	DO	mg/l	10.5	10.5
3	BOD	mg/l	2.5	2.5
4	COD	mg/l	2.5	2.5



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

Covered Shed



Covered shed



Covered Conveyor Belt & Bag filters

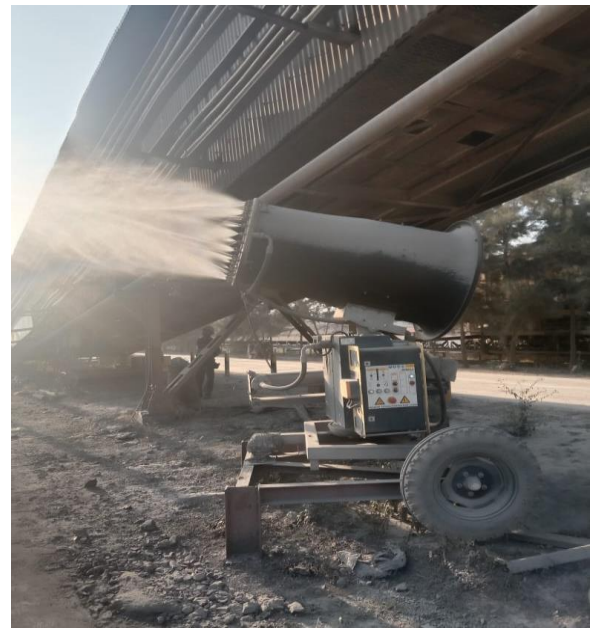


Plantation & Concrete roads





Water Sprinkling for dust suppression





Sample Number : VTL/AA/01

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170021/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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 : 06/06/2023 To 07/06/2023
Time of Monitoring : 11:00 to 11:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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	60.59	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	27.59	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.16	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	7.19	µg/m³	80

*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/AA/01

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170021/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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 : 06/06/2023 To 07/06/2023
Time of Monitoring : 11:00 to 11:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.45	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/04

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170022/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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 : 07/06/2023 To 08/06/2023
Time of Monitoring : 12:10 to 12:10 Hrs.
Ambient Temperature (°C) : Min.29° Max 42°
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	61.58	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.72	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.01	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.40	µg/m³	80

*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/AA/04

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170022/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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 : 07/06/2023 To 08/06/2023
Time of Monitoring : 12:10 to 12:10 Hrs.
Ambient Temperature (°C) : Min.29° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.46	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com



VIBRANT

"Experience the unimaginable"

Sample Number : VTL/AA/02

TEST REPORT



TC-11227

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170023/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Temple
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.001108 & 24.560603
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 11:30 to 11:30 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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	55.41	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	27.16	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.88	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.69	µg/m³	80

*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/AA/02

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170023/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Temple
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.001108 & 24.560603
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 11:30 to 11:30 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.49	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com



VIBRANT

"Experience the unimaginable"

TEST REPORT



TC-11227

Sample Number : VTL/AA/03

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170024/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Steel Yard
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 80.997380 & 24.561715
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2023 To 08/06/2023
Time of Monitoring : 11:40 to 11:40 Hrs.
Ambient Temperature (°C) : Min.29° Max 42°
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	77.15	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.48	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.04	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.59	µg/m³	80

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

End of Report



[Signature]

Checked by



RK Yadav
Lab Incharge
Authorized Signatory

[Signature]



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/AA/03

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170024/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Steel Yard
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 80.997380 & 24.561715
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2023 To 08/06/2023
Time of Monitoring : 11:40 to 11:40 Hrs.
Ambient Temperature (°C) : Min.29° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.63	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/01

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170025/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 21/06/2023

Period of Analysis : 15/06/2023-21/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Crusher Unit -II
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 80.99117 & 24.56758
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2023 To 08/06/2023
Time of Monitoring : 14:00 to 14:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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	82.42	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	44.26	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	24.39	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	13.44	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	4.11	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	15.26	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	0.25	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	*BLQ (**LOQ 0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	*BLQ (**LOQ 5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ	ng/m³	1



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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"

Sample Number : VTL/AA/01

TEST REPORT



Report No. : VTL/A/2306170025/A

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
11	Phase Only		0.2)		

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

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/AA/01

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170025/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 21/06/2023

Period of Analysis : 15/06/2023-21/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Crusher Unit -II
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 80.99117 & 24.56758
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2023 To 08/06/2023
Time of Monitoring : 14:00 to 14:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.69	mg/m ³	4

*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

TC-11227

Sample Number : VTL/AA/03

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170001/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauti (Chulhi Majiyar Mine)

Sample Collected By : VTL Team

Sampling Equipment used : RDS/FPS

Instrument Code : VTL/RDS/FPS/03

Coordinates : 81.002441 & 24.587488

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 06/06/2023 To 07/06/2023

Time of Monitoring : 13:00 to 13:00 Hrs.

Ambient Temperature (°C) : Min.28° Max 41°

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	60.42	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.80	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.43	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



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/AA/03

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170001/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauti (Chulhi Majiyar Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 81.002441 & 24.587488
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 13:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.55	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

**VIBRANT**

"Experience the unimaginable"

TEST REPORT

TC-11227

Sample Number : VTL/AA/17

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170002/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Malgaon (Chulhi Majiyar Mine)

Sample Collected By : VTL Team

Sampling Equipment used : RDS/FPS

Instrument Code : VTL/RDS/FPS/02

Coordinates : 81.004569 & 24.605146

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 11/06/2023 To 12/06/2023

Time of Monitoring : 14:50 to 14:50 Hrs.

Ambient Temperature (°C) : Min.31° Max 42°

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	58.62	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	25.43	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.05	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.08	µg/m ³	80

*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/AA/17

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170002/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Malgaon (Chulhi Majiyar Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.004569 & 24.605146
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 14:50 to 14:50 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.65	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

**VIBRANT**

"Experience the unimaginable"

TEST REPORT

Sample Number : VTL/AA/22

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170003/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Majhiyar (Chulhi Majhiyar Mine)

Sample Collected By : VTL Team

Sampling Equipment used : RDS/FPS

Instrument Code : VTL/RDS/FPS/01

Coordinates : 81.006206 & 24.600534

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 13/06/2023 To 14/06/2023

Time of Monitoring : 15:00 to 15:00 Hrs.

Ambient Temperature (°C) : Min.30° Max 44°

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	66.79	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	28.63	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.49	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.26	µg/m ³	80

*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/AA/22

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Majhiyar (Chulhi Majhiyar Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 81.006206 & 24.600534
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2023 To 14/06/2023
Time of Monitoring : 15:00 to 15:00 Hrs.
Ambient Temperature (°C) : Min.30° Max 44°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.45	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/20

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Chulhi (Hinauti & Sijahata PCL Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.002619 & 24.594461
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 15:20 to 15:20 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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	67.55	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	24.79	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.35	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.18	µg/m³	80

*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/AA/20

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170004/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Chulhi (Hinauti & Sijahata PCL Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.002619 & 24.594461
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 15:20 to 15:20 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.47	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/21

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170005/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Kulhari (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 81.034753 & 24.567341
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 17:30 to 17:30 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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	58.70	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.46	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.24	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.69	µg/m³	80

*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/AA/21

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170005/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Kulhari (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 81.034753 & 24.567341
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 17:30 to 17:30 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.50	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/20

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170006/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Chulhi (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.002619 & 24.594461
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 15:20 to 15:20 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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	61.20	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	24.79	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	13.82	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.52	µg/m³	80

*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/AA/20

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170006/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Chulhi (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.002619 & 24.594461
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 15:20 to 15:20 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.47	mg/m ³	4

*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



TC-11227

Sample Number : VTL/AA/19

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170007/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauta (Bandarkha Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/01
 Coordinates : 80.985206 & 24.569934
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 12/06/2023 To 13/06/2023
 Time of Monitoring : 14:30 to 14:30 Hrs.
 Ambient Temperature (°C) : Min.32° Max 43°
 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	67.06	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	30.21	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.00	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.00	µg/m³	80

*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

Sample Number : VTL/AA/19

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170007/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauta (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 80.985206 & 24.569934
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 14:30 to 14:30 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.55	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/18

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170008/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Badarkha (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 80.982443 & 24.584626
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 16:40 to 16:40 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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	72.90	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.55	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.97	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.68	µg/m³	80

*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/AA/18

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170008/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Badarkha (Bandarkha Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 80.982443 & 24.584626
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 16:40 to 16:40 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.59	mg/m ³	4

*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/AA/17

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170009/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/02
Coordinates : 81.004574 & 24.605147
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 14:50 to 14:50 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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	57.29	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	25.43	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.05	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.24	µg/m³	80

*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/AA/17

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170009/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/02
Coordinates : 81.004574 & 24.605147
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 14:50 to 14:50 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.65	mg/m ³	4

*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/AA/15

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170010/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/03
Coordinates : 81.031055 & 24.575677
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 16:00 to 16:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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	83.26	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	41.25	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.29	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.28	µg/m³	80

*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/AA/15

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170010/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/03
Coordinates : 81.031055 & 24.575677
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 16:00 to 16:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.72	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/14

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170011/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/02
Coordinates : 81.041406 & 24.513958
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 14:20 to 14:20 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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	78.38	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	38.33	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.91	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.18	µg/m³	80

*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/AA/14

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170011/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/02
Coordinates : 81.041406 & 24.513958
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 14:20 to 14:20 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.69	mg/m ³	4

*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

Sample Number : VTL/AA/16

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170012/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Naj 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 : 11/06/2023 To 12/06/2023
Time of Monitoring : 13:50 to 13:50 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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	74.48	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.86	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.37	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.59	µg/m³	80

*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/AA/16

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170012/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Naj 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 : 11/06/2023 To 12/06/2023
Time of Monitoring : 13:50 to 13:50 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.67	mg/m ³	4

*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



TC-11227

Sample Number : VTL/AA/13

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170013/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Nr. Boundary Pillar No.64, Baghai (Baghai Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 81.043743 & 24.577705
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 13:20 to 13:20 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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	61.44	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	30.93	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.00	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.17	µg/m³	80

*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/AA/13

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170013/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Nr. Boundary Pillar No.64, Baghai (Bhaghai Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 81.043743 & 24.577705
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 13:20 to 13:20 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.69	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/10

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170014/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : South Side of working pit (Baghai Mines)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 81.044145 & 24.561192
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 12:50 to 12:50 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
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	79.69	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	38.89	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.42	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.59	µg/m³	80

*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

Sample Number : VTL/AA/10

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170014/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : South Side of working pit (Baghai Mines)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 81.044145 & 24.561192
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 12:50 to 12:50 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.71	mg/m ³	4

*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

Sample Number : VTL/AA/11

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170015/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : At Baisan Tola (Nr. Baghai ML Area)(Bhaghai Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.051734 & 24.559126
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 13:40 to 13:40 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
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	63.46	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.00	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.09	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.24	µg/m³	80

*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

Sample Number : VTL/AA/11

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170015/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : At Baisan Tola (Nr. Baghai ML Area)(Bhaghai Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 81.051734 & 24.559126
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 13:40 to 13:40 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.68	mg/m ³	4

*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

Sample Number : VTL/AA/12

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170016/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Adiwasi Tola (Nr. Baghai ML Area)(Baghai Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 81.053377 & 24.564937
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 15:30 to 15:30 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
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	77.27	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.06	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.06	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.67	µg/m³	80

*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

Sample Number : VTL/AA/12

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170016/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Adiwasi Tola (Nr. Baghai ML Area)(Baghai Mine)
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 81.053377 & 24.564937
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 15:30 to 15:30 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.64	mg/m ³	4

*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

Sample Number : VTL/AA/09

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170017/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/03
Coordinates : 81.021389 & 24.576411
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 14:40 to 14:40 Hrs.
Ambient Temperature (°C) : Min.28° Max 42°
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	67.95	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.44	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.44	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.77	µg/m³	80

*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

Sample Number : VTL/AA/09

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170017/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/03
Coordinates : 81.021389 & 24.576411
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 14:40 to 14:40 Hrs.
Ambient Temperature (°C) : Min.28° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.58	mg/m ³	4

*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

Sample Number : VTL/AA/03

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170018/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/03
Coordinates : 81.002441 & 24.587458
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 13:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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	67.06	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.81	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.43	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.59	µg/m³	80

*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

Sample Number : VTL/AA/03

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170018/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/03
Coordinates : 81.002441 & 24.587458
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 13:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.55	mg/m ³	4

*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

Sample Number : VTL/AA/08

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170019/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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 : 08/06/2023 To 09/06/2023
Time of Monitoring : 13:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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	59.14	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.05	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.37	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.11	µg/m³	80

*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

Sample Number : VTL/AA/08

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170019/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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 : 08/06/2023 To 09/06/2023
Time of Monitoring : 13:00 to 13:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.55	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/07

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170020/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/01
Coordinates : 80.99725 & 24.575807
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 12:10 to 12:10 Hrs.
Ambient Temperature (°C) : Min.28° Max 42°
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	55.18	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	28.99	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.49	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.34	µg/m³	80

*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

Sample Number : VTL/AA/07

M/s PRISM JOHNSON LIMITED

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

Name & Address of the Party :

Report No. : VTL/A/2306170020/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

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/01
Coordinates : 80.99725 & 24.575807
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 12:10 to 12:10 Hrs.
Ambient Temperature (°C) : Min.28° Max 42°
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)	Lab SOP no. VTL/STP/02:2022, STP-08	0.59	mg/m ³	4

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

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

bd@vibranttechnolab.com

www.vibranttechnolab.com



VIBRANT
"Experience the unimaginable"

TEST REPORT



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/2306170021/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 : 06/06/2023 To 07/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
Surrounding Activity : Human, Vehicular & Plant Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.7	41.8

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

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

Sample Number : VTL/AN/222

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

Report No. : VTL/N/2306170022/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 Temple
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
Surrounding Activity : Human, Vehicular & Plant Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	48.1	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

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

Sample Number : VTL/AN/23

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/2306170023/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/06/2023
Receipt Date : 17/06/2023
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Near Steel Yard
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2023 To 08/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 42°
Surrounding Activity : Human, Vehicular & Plant Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	54.3	43.8

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

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

Sample Number : VTL/AN/24

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/2306170024/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/06/2023
Receipt Date : 17/06/2023
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Near Admin Building
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2023 To 08/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 42°
Surrounding Activity : Human, Vehicular & Plant Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.8	39.0

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.

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



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/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/2306170001/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	58.1	46.2

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

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



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/2306170002/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 & Sijahata PCL Mine)
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	54.7	41.9

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

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



TC-11227

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/2306170003/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min. 25° Max 41°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.1	40.5

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



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



TC-11227

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/2306170004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	50.9	39.7

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

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/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/2306170005/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 Baghai ML Area) (Baghai Mine)
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.3	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

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

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/2306170006/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 Baghai ML Area) (Baghai Mine)
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.8	41.6

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



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



TC-11227

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/2306170007/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 (Bhaghai Mine)
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/06/2023 To 10/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 44°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

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

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

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/2306170008/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 Baghai (Bhaghai Mine)
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	48.1	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

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



TC-11227

Sample Number : VTL/AN/09

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

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

Report No. : VTL/N/2306170009/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 Nala Bridge (Medhi Mine)
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	49.6	39.2

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

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

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/2306170010/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2023 To 11/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	50.1	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

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



TC-11227

Sample Number : VTL/AN/11

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/2306170011/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/06/2023
Receipt Date : 17/06/2023
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

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 : 10/06/2023 To 11/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	48.1	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

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



TC-11227

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/2306170012/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 : 11/06/2023 To 12/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	46.1	40.4

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

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



TC-11227

Sample Number : VTL/AN/13

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

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

Report No. : VTL/N/2306170013/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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- Badarkha (Bandarkha Mine)

Instrument Code : VTL/SLM/03

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 11/06/2023 To 12/06/2023

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

Ambient Temperature (°C) : Min.31° Max 42°

Surrounding Activity : Human, Vehicular & Other Activities

Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	50.6	39.2

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

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

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/2306170014/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 (Bandarkha Mine)
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.1	40.5

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



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/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/2306170015/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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- Culhi (Bandarkha Mine)
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	52.3	41.8

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

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

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/2306170016/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 (Bandarkha Mine)
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	47.3	37.9

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

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

Sample Number : VTL/AN/17

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

Report No. : VTL/N/2306170017/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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- Chulhi (Chulhi Majiyar Mine)
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2023 To 13/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.32° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	54.1	38.8

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

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



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/2306170018/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

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 (Chulhi Majiyar Mine)
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2023 To 14/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.30° Max 44°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	53.1	38.6

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



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/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/2306170019/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/06/2023
Receipt Date : 17/06/2023
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Village- Malgaon (Chulhi Majiyar Mine)
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2023 To 12/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.31° Max 42°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.9	40.4

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

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



TC-11227

Sample Number : VTL/AN/20

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/2306170020/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/06/2023
Receipt Date : 17/06/2023
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Village- Hinauti (Chulhi Majiyar Mine)
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.28° Max 41°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.1	40.5

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



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



LATA ENVIROTECH SERVICES-CENTRE FOR CALIBRATION LABORATORY

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site -5, Kasna, Greater Noida, Gautam Budh Nagar - 201310 (U.P.)
E-mail : lescccl307@gmail.com, lescccllab@gmail.com, Cell No.: 9911766898, 9821735177, 9355384939
Website : www.lescccllab.com



CC-1051

CALIBRATION CERTIFICATE

ULR No.	CC105123000000922F	Cali. Field - Fluid Flow	Page No. - 1 of 2
Certificate No.	LES-CCL/FF/PM/SC/109		
Calibration Date	03.08.2023	Suggested Date of Next Calibration	02.08.2024
Customer Name :- Address :-	M/s Prism Johnson Limited Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (M.P)		
S.R.F No.	2023/17	S.R.F Date	22.06.2023
Date of DUC Receipt	03.08.2023	Calibration Performed At	Site
Location of Performance for Calibration	On Site	Condition of DUC	OK

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Fine Particulate Sampler	Thermo	TEI - 121	216 - TEF - 21

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration	
Make/Model	Honey well / BK - G1.6	Temperature (°C) :- 25 ± 10 °C	24.2
SI.No.	1807079405	Relative Humidity (%) :- 45-75 %	54.2
Cal. Range / Resolution	16.67 lpm (±2%) / 0.0002 m3	Barometric Pressure (mmHg)	744.20

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.No.	Traceability
1	LFE Gas Flow Calibrator	0.5 - 50 lpm	0416 / LES-CCL/R/4901	PI Calibration Lab, Mumbai
2	Digital Stop Watch	10 Sec. - 59 min	LES-CCL/R/14510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date	Valid Up to	
1	PICAL/0922/F/032	05.09.2022	04.09.2023	
2	LES-CCL/ET/SW/931	15.09.2022	14.09.2023	

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2.The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- This certificate shall not be reproduced, except in full without the written permission of LES-CCL,Kasna, Greater Noida (U.P.)
- Reference used are directly traceable to national standard through unbroken chain of calibration.
- Results reported are valid at the time of and under the stated conditions of measurement
- This Certificate refers only to the particular item calibrated.
- Decision rule required - No
- Our NABL certificate no. is CC-1051 valid up to 18.05.2025
- Calibration status - Sticker indicating CAL, STATUS in affixed on the instruments



Authorized By

SHIVSHANKER SINGH
(Chief Executive Officer)



LES-Centre for Calibration Laboratory



CC-1051

ULR No.	CC105123000000922F		PageNo. - 2 of 2
Calibration Date	03.08.2023	Suggested Date of Next Calibration	02.08.2024
Certificate No.	LES-CCL/FF/PM/SC/109		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC) Measured Flow (lpm)	Reference True Flow rate (lpm)	Error (%)
1	16.58	16.324	1.568
2	16.59	16.313	1.698
3	16.58	16.360	1.345
4	16.63	16.340	1.775
5	16.62	16.320	1.838

Type A standard Uncertainty
for repeated data (1-5)

± 0.0081 lpm

Expanded uncertainty in Actual flow
measurement, U (k=2)

± 0.9018 lpm ± 2.43 % Rdg

Note:- Final Readings of Dry Gas Meter at the end of Calibration: 9.0884 m³

Uncertainty Contributing factor :-

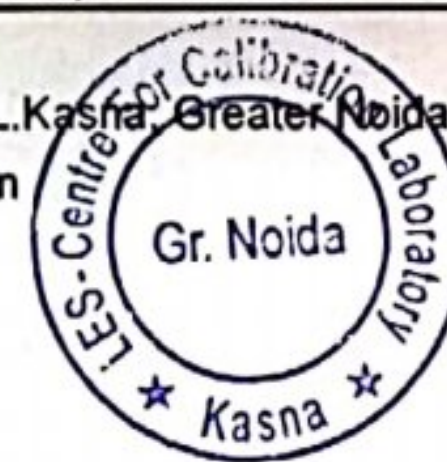
1. Repeatability (based on five measurement)
2. Uncertainty of master instruments
3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor $k = 2$, for degrees of freedom $= \infty$ and confidence level is 95 % for Normal distribution.

Calibration Place:- Calibration done of M/s Prism Johnson Limited, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (M.P)

Notes :-

1. This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)
2. Reference used are directly traceable to national standard through unbroken chain of calibration
3. Results reported are valid at the time of and under the stated conditions of measurement
4. This Certificate refers only to the particular item calibrated.
5. Decision rule required - No
6. Our NABL certificate no. is CC-1051 valid up to 18.05.2025
7. Calibration status - Sticker indicating CAL, STATUS in affixed on the instruments



Authorized By

SHIVSHANKER SINGH
(Chief Executive Officer)

****End of Calibration Certificate****



LATA ENVIROTECH SERVICES-CENTRE FOR CALIBRATION LABORATORY

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site -5, Kasna, Greater Noida, Gautam Budh Nagar - 201310 (U.P.)
E-mail : lesccl307@gmail.com, lesccllab@gmail.com, Cell No.: 9911766898, 9821735177, 9355384939
Website : www.lesccllab.com



CC-1051

CALIBRATION CERTIFICATE

ULR No.	CC105123000000923F		Calibration. Field - Fluid Flow		Page No.- 1 of 2	
Certificate No.	LES-CCL/FF/RF/SC/419					
Calibration Date	03.08.2023	Suggested Date of Next Calibration			02.08.2024	
Customer Name :- Address :-	M/s Prism Johnson Limited Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (M.P)					
S.R.F. No.	2023/17	S.R.F. Date	22.06.2023	Issue Date	22.08.2023	
Date of DUC Receipt	03.08.2023	Calibration Performed At	Site	Condition of DUC	OK	
Location of Performance for Calibration		On Site				

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Fine Particulate Sampler	THERMO	TEI - 121	216 - TEF - 21

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Resolution	1.0 lpm	Temperature (°C) :- 25 ± 10 °C	26.5
SI.No.	B21544	Relative Humidity (%) :- 45-75 %	56
Cal. Range	16.67 lpm (± 2 %)	Barometric Pressure (mmHg)	738.80

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID.No.	Traceability
LFE GAS FLOW CALIBRATOR	0.5 -50 lpm	0416 / LES-CCL/R/4901	PI Calibration Laboratory, Mumbai
Certificate No.	Calibration Date	Valid Up to	
PICAL/0922/F/032	05.09.2022	04.09.2023	

04. Calibration Procedure LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2.The Flowrate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :- 1. This certificate shall not be reproduced, except in full without the written permission of LES-CCL.Kasna, Greater Noida (U.P.) 2. Reference used are directly traceable to national standard through unbroken chain of calibration . 3. Results reported are valid at the time of and under the stated conditions of measurement 4. This Certificate refers only to the particular item calibrated. 5. Decision rule required - No 6. Our NABL certificate no. is CC-1051 valid up to 18.05.2025 7. Calibration status - Sticker indicating CAL, STATUS in affixed on the instruments	Authorized By SHIVSHANKER SINGH (Chief Executive Officer)
--	---





LES-Centre for Calibration Laboratory



CC-1051

ULR No.	CC105123000000923F		Page No.- 2 of 2
Calibration Date	03.08.2023	Suggested Date of Next Calibration	02.08.2024
Certificate No.	LES-CCL/FF/RF/SC/419		

05. Calibration Results for Flow of Rotameter

S.No.	Test meter (DUC) Measured Flow (lpm)	Reference True Flow rate (lpm)	Error (%)	Calibration Factor
1	16.70	16.388	1.904	0.981
2	16.70	16.354	2.116	0.979
3	16.70	16.377	1.972	0.981
4	16.70	16.380	1.954	0.981
5	16.70	16.386	1.916	0.981

Type A standard Uncertainty
for repeated data (1-5)

± 0.0061 lpm

Expanded uncertainty in Actual flow
measurement, U (k=2)


± 0.8909 lpm ± 2.30 % Rdg

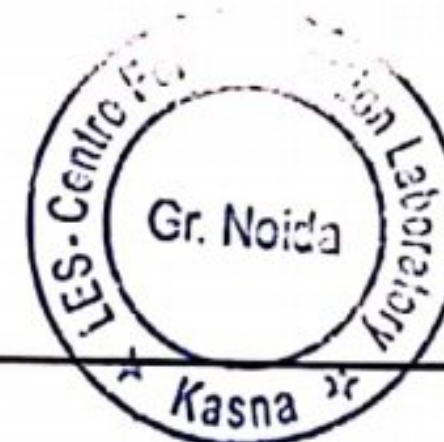
Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)
2. Uncertainty of master instruments
3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor $k = 2$, for degrees of freedom $= \infty$ and confidence level is 95 % for Normal distribution.

Calibration Place:- Calibration done of M/s Prism Johnson Limited, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (M.P)

Notes :-	Authorized By
1. This certificate shall not be reproduced, except in full without the written permission of LES-CCL.Kasna, Greater Noida (U.P.)	 SHIVSHANKER SINGH (Chief Executive Officer)
2. Reference used are directly traceable to national standard through unbroken chain of calibration.	
3. Results reported are valid at the time of and under the stated conditions of measurement	
4. This Certificate refers only to the particular item calibrated.	
5. Decision rule required - No	
6. Our NABL certificate no. is CC-1051 valid up to 18.05.2025	
7. Calibration status - Sticker indicating CAL, STATUS in affixed on the instruments.	



****End of Calibration Certificate****



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-Expansion
Validity-(A/W): 30/06/2023
(H): 30/06/2027

CONSENT NO: ***

PCB ID: 13880

Outward No:116260,19/08/2022

Consent No:AWH-56533

To,
The Occupier,
M/s. Prism Johnson Ltd.,
(Cement Division Unit-II),
Village-Mankahari, P.O. Bathia,
Tehsil-Rampur Baghelan,
Distt. Satna-485111 (M.P.)

Subject: Grant of Consent to Operate for Expansion under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016

Ref: Your Application Receipt No. 1168487 Dt. 29/07/2022 and last communication received on Dt. 06/08/2022

With reference to your above application for consent to operate for expansion has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 30/06/2023 & authorisation up to 30/06/2027 for 1st stage for co-processing of Liquid Hazardous wastes & Liquid Non-Hazardous waste in cement plant (as industry has developed the facility for Liquid Hazardous wastes only) & for operation of low cost additive feeding system (i.e. limestone) in cement mill along with shredding system and AFR material storage yard, subject to the fulfillment of the terms & conditions incorporated in CCA-Expansion-AW outward no. 115047 dt. 25/03/2022, CTE-Expansion-AW outward no. 115822 dt. 20/06/2022 & as enclosed with this letter.

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. **Location:** Village-Mankahari, P.O. Bathia, Tehsil-Rampur Baghelan, Distt. Satna-485111 (M.P.)
- b. **The capital investment in lakhs:** Rs. 132800
- c. **Product & Production Capacity:**

Product	CTE Qty./Year	CCA Qty./Year	Applied Qty./Year
Cement	6700000.000 M.T.	6700000.000 M.T.	6700000.000 M.T.
Clinker	3000000.000 M.T.	3000000.000 M.T.	3000000.000 M.T.
Generation of Electricity for captive use by DG-Set-1x 6 MWH	6.000 MWH	6.000 MWH	6.000 MWH

Note:- For any change in above industry shall obtain fresh consent from the Board.

The Validity of the consent is up to 30/06/2023, authorization up to 30/06/2027 and has to be renewed before expiry of consent/authorisation 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
- * Conditions under Hazardous Rules
- * General conditions



Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 19/08/2022 10:15:53 AM

Achyut mishra

ACHYUT ANAND MISHRA
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 9NWLD94DHS



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 generation shall not exceed 0.000 KL/day, and the daily quantity of generation of sewage shall not exceed 200.000 KL/day

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	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₅ Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform (FC) MPN/100ml	Not exceed	1000

Note: Reuse/Recycling of treated effluent shall be encouraged and in cases where part of the treated effluent is reused and recycled involving possibility of human contact, standards as specified above shall apply.

Sr.	Water Code (Qty. in klpd.)	WC : 1290.000	WWG : 200.000	Water Source
1	Cooling Water	1000.000	0.000	Mine Water
2	Domestic Purpose	290.000	200.000	Bore well

3. The sewage 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. 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

5. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a monthly Discharge Monitoring report on line through the link "Periodic Compliances" provided on XGN.

6. 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.

7. 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.

8. Industry shall submit the information online through the link "Periodic Compliances" provided on XGN in reference to compliance of consent conditions.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall operate air pollution control system and maintain continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Stack height (mtrs.)	Fuel	Control equipment to be installed	P.M, SO _x , NO _x (mg/Nm ³)
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
Raw Mill Kiln	110	Coal/Petcoke	Bag Filter	30, 700, 800
D.G. Sets (1x6 MWH)	58	F.O.	Acoustic Enclosure	150, NA, NA

Note:- SO₂ 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 Coal in D.G. Sets.



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

The applicant shall observe the following fuel pattern:

Name of Fuel	Quantity
Furnace Oil	35

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 $\mu\text{g}/\text{m}^3$ (PM10 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 $\mu\text{g}/\text{m}^3$ (PM2.5 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 $\mu\text{g}/\text{m}^3$

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 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.

6. Industry shall take effective steps for extensive tree plantation of the local tree species within or around the industry/unit premises for general improvement of environmental conditions and a target of 5000 plantation during 2022-23 shall be achieved.

7. Reporting of Monitoring Results:- Monitoring Information required by this Consent shall be summarized and reported by submitting a monthly emission Monitoring report on line to the Board through the link “**Periodic Compliances**” provided on XGN

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 maintain the pneumatic system for the handling of AFR. The industry is permitted to use of Biomass-120MT, Carbon Black-18000MT, Polythene waste/Plastic waste/Pouches etc.-2105MT & Rice Husk -15000MT, Waste mix liquid-30000MT per annum as AFR and chemical Gypsum-75000MT, chemical waste gypsum-36000MT per annum as raw material.
- The industry is permitted to use Pet Coke-210000 MT/Annum as feed stock or in the manufacturing process. 4. 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.
- Arrangements shall be made for the covered storage of Coal/ Pet coke, laterite/bauxite/Red Ochre, Fly ash, Gypsum, and Clinkers. 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

CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

[See rule 6 (2)]

FORM-2

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

- Number of authorisation and date of issue : ,
- Reference of application (No. and date) : **COE-1168487, dt: 29/07/2022**

Consent No:AWH-56533



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

3. COE-1168487, dt: 29/07/2022 of M/s. Prism Johnson Ltd. (Cement Division Unit- II) is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in xgn) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Village-Mankahari, P.O. Bathia, Tehsil-Rampur Baghelan, Distt. Satna-485111 (M.P.)

Details of Authorisation

Sr.	Category of Hazardous Waste as per the Schedules I of these rules	Catg.	Quantity (ton/annum)	Authorized mode of disposal
1	Spent pickling liquor	I -13.1	6000.000-M.T	Co – Processing in the Cement Plant
2	Spent Catalyst	I -18.1	1650.000-M.T	Co – Processing in the Cement Plant
3	Sludge Containing Oil	I -2.2	3300.000-M.T	Co – Processing in the Cement Plant
4	Drilling mud containing oil	I -2.3	6000.000-M.T	Co – Processing in the Cement Plant
5	Spent Solvents	I -20.2	25000.000-M.T	Co – Processing in the Cement Plant
6	Distillation Residues	I -20.3	6600.000-M.T	Co – Processing in the Cement Plant
7	Spent solvent	I -21.2	550.000-M.T	Co – Processing in the Cement Plant
8	Process Waste Sludge/Residues Containing Acid, Toxic Metals, Organic compounds	I -26.1	6000.000-M.T	Co – Processing in the Cement Plant
9	Spent acid	I -26.3	25000.000-M.T	Co – Processing in the Cement Plant
10	Spent solvent	I -26.4	25000.000-M.T	Co – Processing in the Cement Plant
11	Process Residue and wastes	I -28.1	8250.000-M.T	Co – Processing in the Cement Plant
12	Spent Catalyst	I -28.2	1100.000-M.T	Co – Processing in the Cement Plant
13	Spent Solvents	I -28.6	16500.000-M.T	Co – Processing in the Cement Plant
14	Process wastes or residues	I -29.1	25000.000-M.T	Co – Processing in the Cement Plant
15	Spent solvents	I -29.4	25000.000-M.T	Co – Processing in the Cement Plant
16	Spent acids	I -29.6	3000.000-M.T	Co – Processing in the Cement Plant
17	Ballast Water Containing Oil From Ships	I -3.4	3300.000-M.T	Co – Processing in the Cement Plant
18	Oily Sludge or Emulsion	I -4.1	3300.000-M.T	Co – Processing in the Cement Plant
19	Spent Catalyst	I -4.2	3300.000-M.T	Co – Processing in the Cement Plant
20	Slop Oil	I -4.3	3300.000-M.T	Co – Processing in the Cement Plant
21	Spent Clay Containing Oil	I -4.5	3300.000-M.T	Co – Processing in the Cement Plant
22	Wastes or residues containing oil	I -5.2	1752.500-M.T	Co – Processing in the Cement Plant
23	Acid from used batteries	I -9.3	12000.000-M.T	Co – Processing in the Cement Plant
24	Used or Spent Oil	I -5.1	45.000-M.T *	To be sold to authorized Recycler/ Reprocessor authorized by CPCB/ SPCB

Note:- * = Self generated Consolidated Quantity for Cement plant & DG sets.

- (1) The authorisation shall be **valid for a period of five years (i.e. from 1/07/2022 to 30/06/2027)**
- (2) 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).
- (3) The industry shall comply with the provisions of SOP issued by the CPCB.

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.

Consent No:AWH-56533



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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.

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 the Hazardous Waste is allowed to the industry.
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 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.

Consent No:AWH-56533



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 is 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.
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 arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution
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.
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 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.
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 Water Act or 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:
 - (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.
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.

Consent No:AWH-56533



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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.
3. 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/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 and the Authorization under Hazardous & Other Wastes (Management & 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 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.



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 9NWLD94DHS

ACHYUT ANAND MISHRA
Member Secretary

Consent No:AWH-56533

Water Consumption April-23 to Sept-23

Month	Unit-II (KL)
April-23	29505
May-23	31131
June-23	27077
July-23	19041
Aug-23	20657
Sept-23	19201

Sample Number : VTL/WW/01

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 Inlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/WW/2306170001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Result	Unit
1	pH	IS: 3025 (P-11): 2022	6.82	-
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	156.00	mg/l
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1562.10	mg/l
4	Oil & Grease	IS:3025 (P-39): 2021	7.00	mg/l
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	61.40	mg/l
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	280.0	mg/l

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

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/01

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 Inlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/WW/2306170001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Result	Unit
1	Fecal Coliform	IS 1622, 2009	192.0	

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report

**VIBRANT**
"Experience the unimaginable"
Checked byRK 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



TC-11227

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

Report No. : VTL/WW/2306170002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

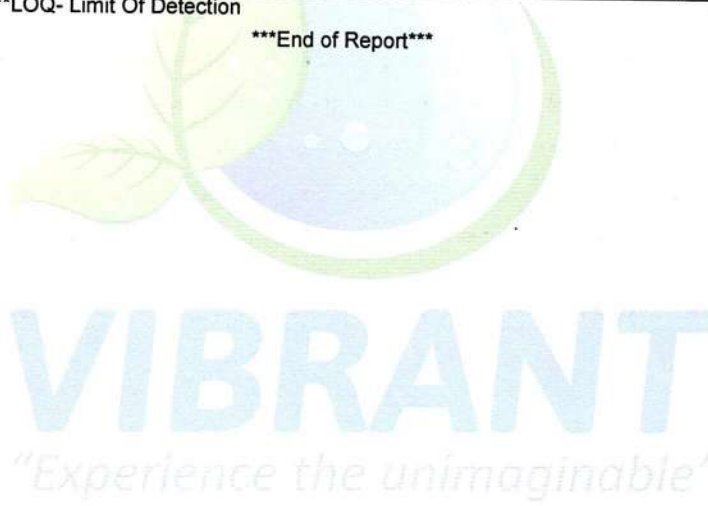
Sampling Date : 12/06/2023

Parameter Required : As per work Order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.50	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	35.2	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	958.0	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): 1993, RA: 2019	15.10	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	70.0	mg/l	250

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

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/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

Report No. : VTL/WW/2306170002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Parameter Required : As per work Order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	IS 1622, 2009	120.0		--

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

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



TC-11227

Sample Number : VTLWW/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 Inlet

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122723000000166F

Report No. : VTLWW/2309140002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

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	6.75	-
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	148.0	mg/l
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1498.0	mg/l
4	Oil & Grease	IS:3025 (P-39): 2021	6.4	mg/l
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	58.14	mg/l
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	275.00	mg/l

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by



RK Yadav

Lab Incharge

Authorized Signatory



Term & conditions P10

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

Page No. 1/1

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/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 Inlet
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/WW/2309140002/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit
1	Fecal Coliform	IS 1622, 2009	220.0	MPN/100 ml

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by 



RK Yadav
Lab Incharge
Authorized Signatory 

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

Page No. 1/1

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



TC-11227

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 : STP Outlet

Sample Collected By : VTL Team

Coordinates : 81.998838 & 24.564754

ULR No. : TC1122723000000167F

Report No. : VTL/WW/2309140003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

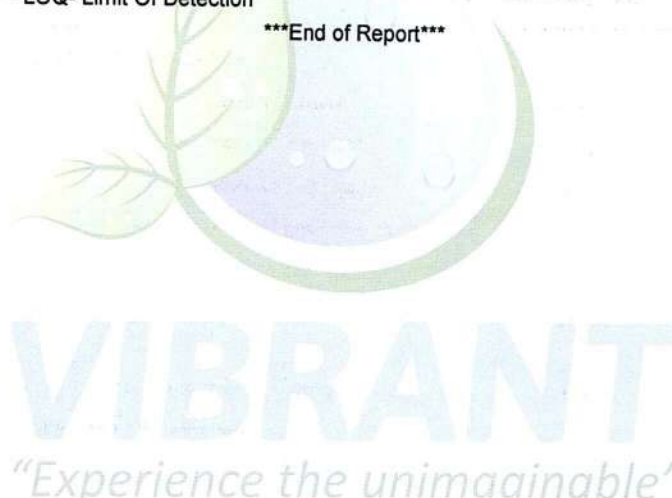
Sampling Date : 12/09/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.52	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	36.14	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	947.0	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): 1993, RA: 2019	14.25	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	75.61	mg/l	250

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



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

Page No. 1/1

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 : VTLWW/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 : STP Outlet

Sample Collected By : VTL Team

Coordinates : 81.998838 & 24.564754

Report No. : VTLWW/2309140003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	IS 1622, 2009	110.0	MPN/100 ml	<1000

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by



RK Yadav

Lab Incharge

Authorized Signatory

Approved & Certified

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

Page No. 1/1

Vibrant Techno Lab Pvt. Ltd.

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

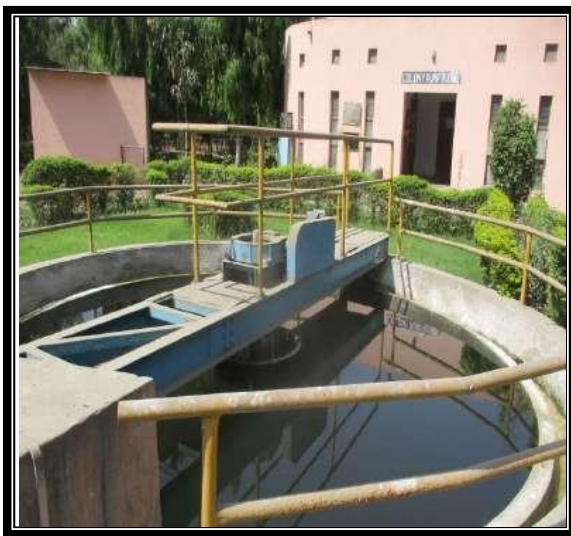
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sewage Treatment Plant
Capacity : 600 KLD

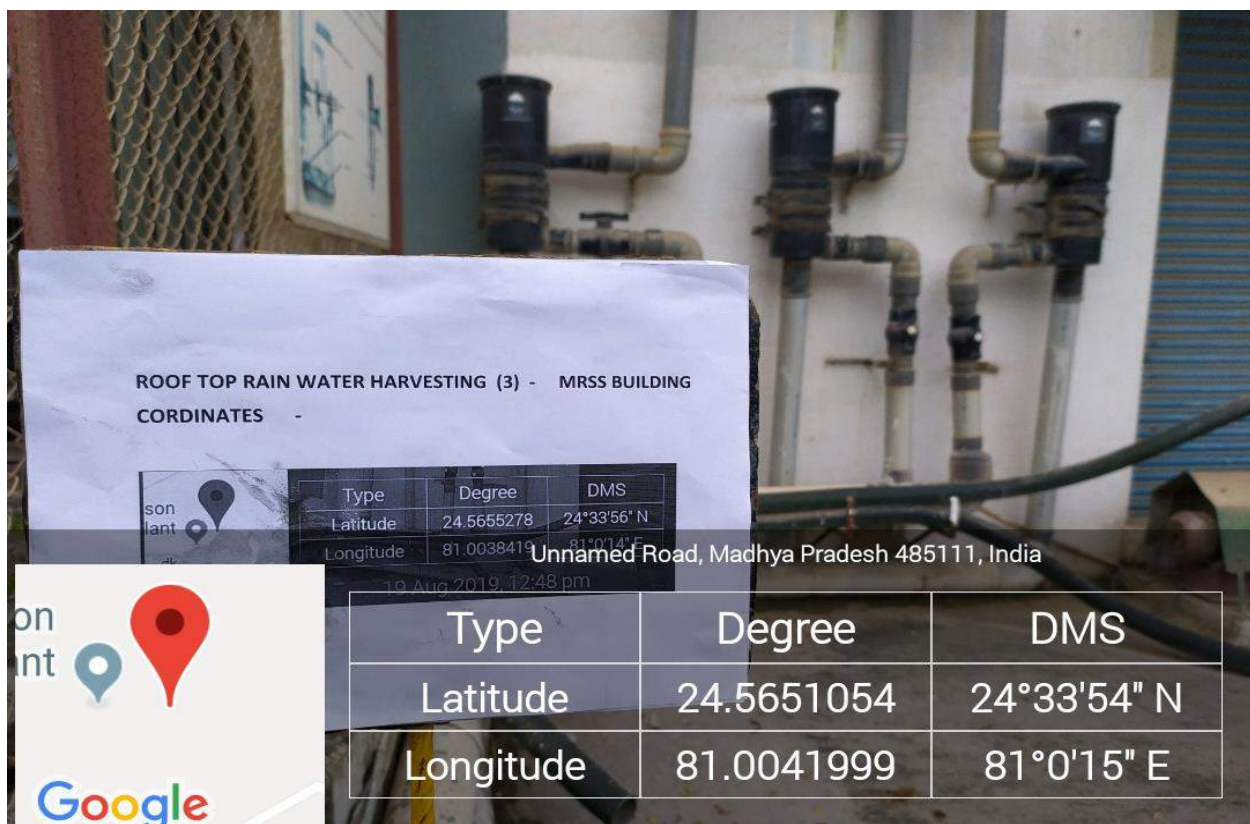


Green Belt development





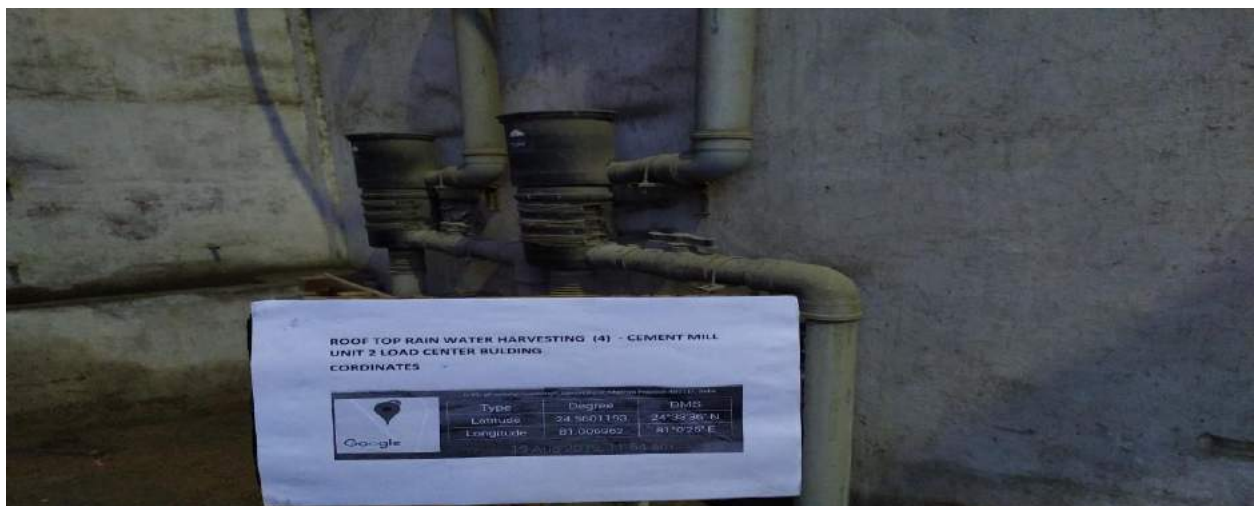
RHH 1 – Roof top Rain water Harvesting - Project Office



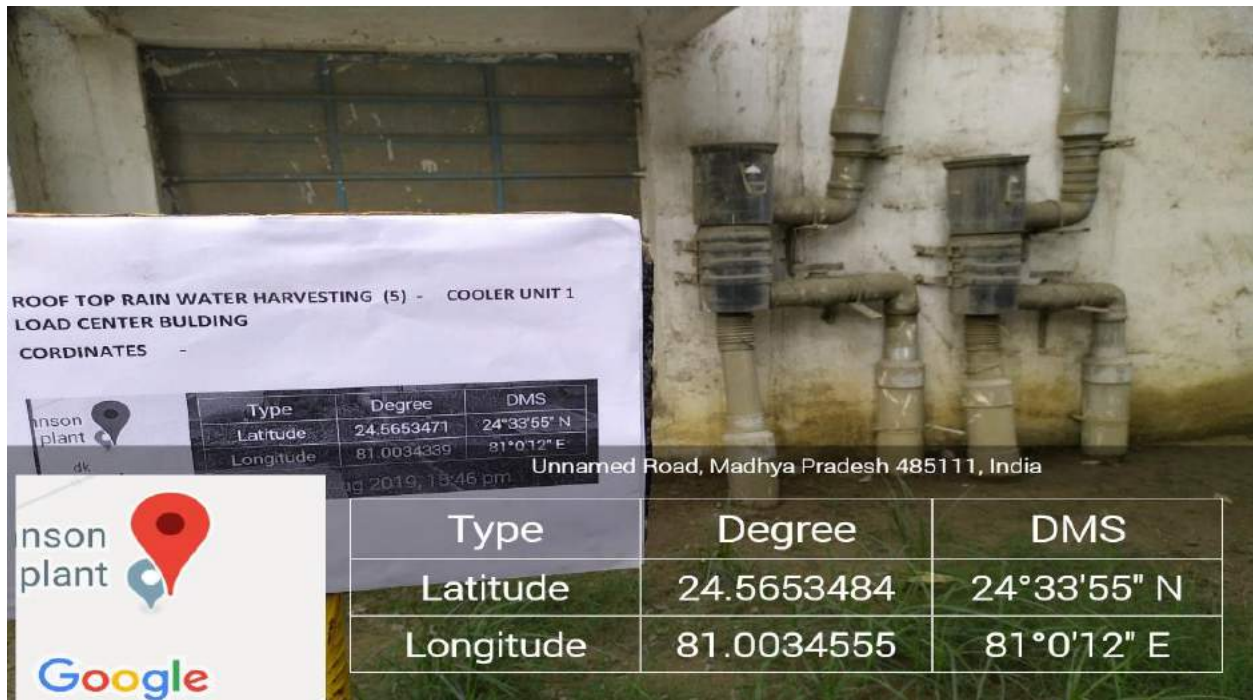
RWH 3 - Roof top rain water harvesting – MRSS Building



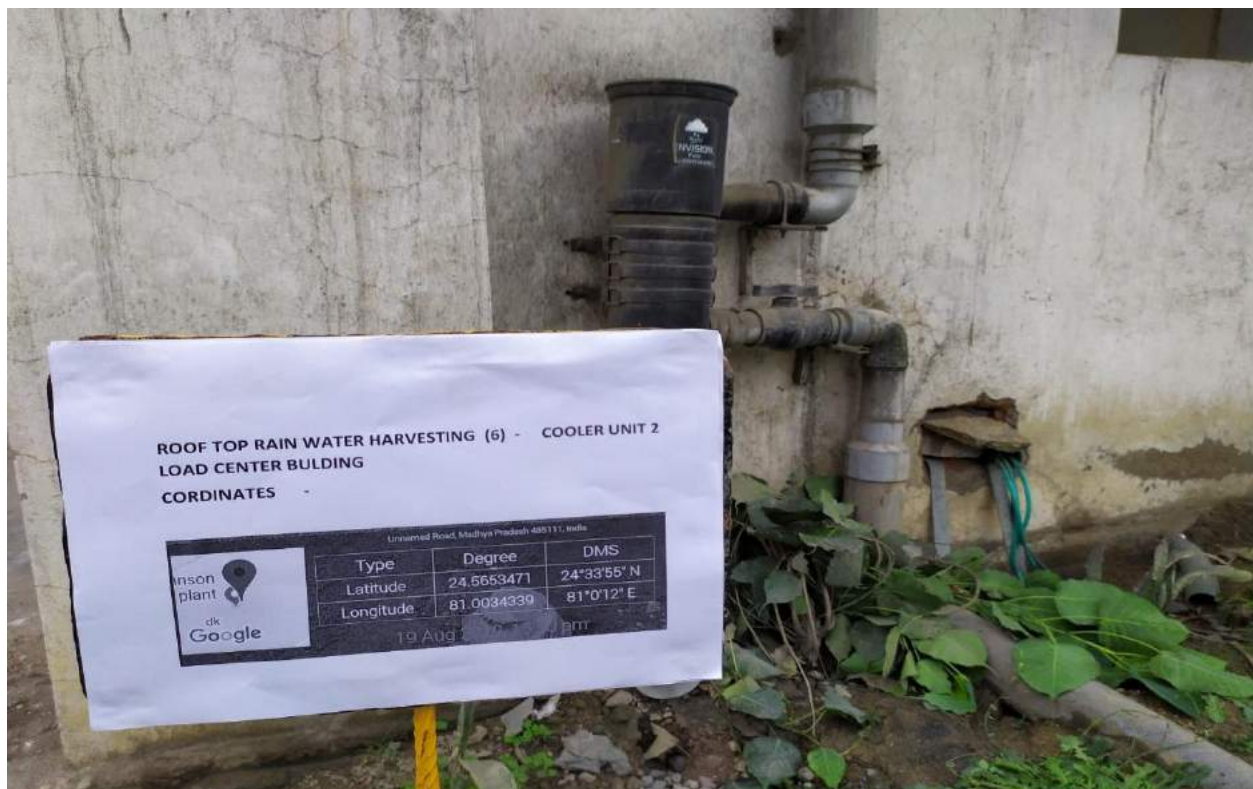
RWH 2 roof top Rain Water Harvesting - School Building



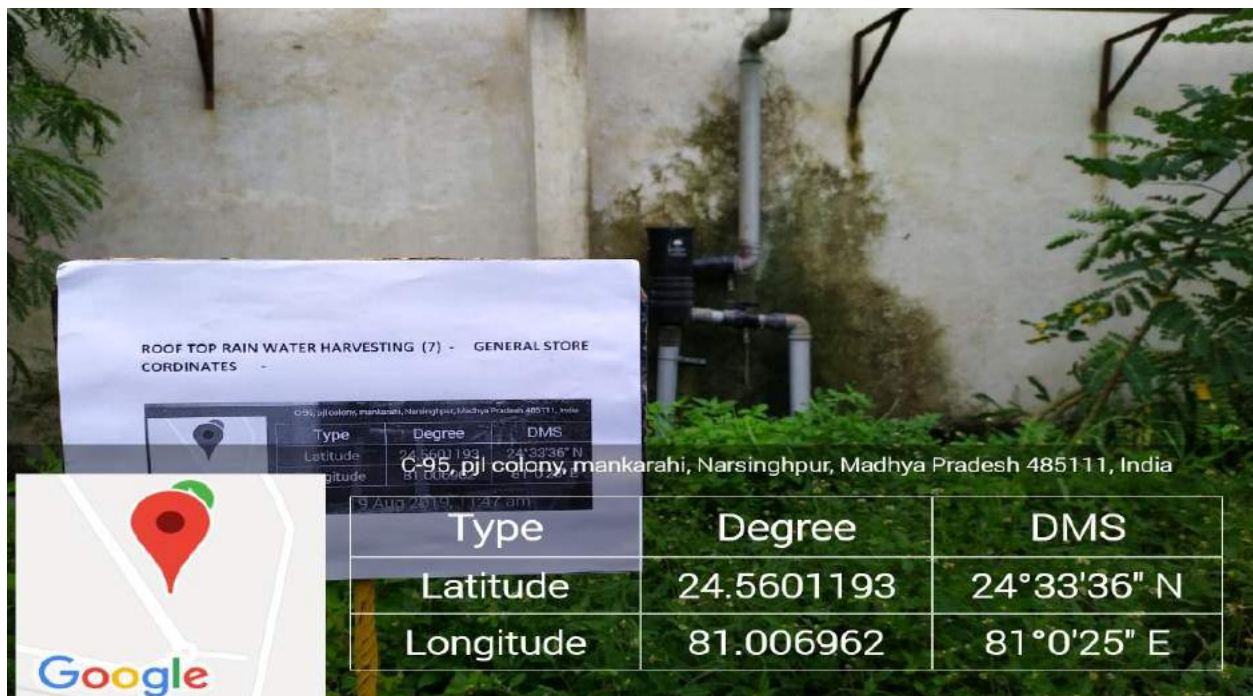
RWH 4 – Roof Top rain water harvesting - Cement Mill Unit 2 Load Center Building



RWH 5 – Roof Top Rain Water Harvesting Cooler Unit 1 Load Center Building



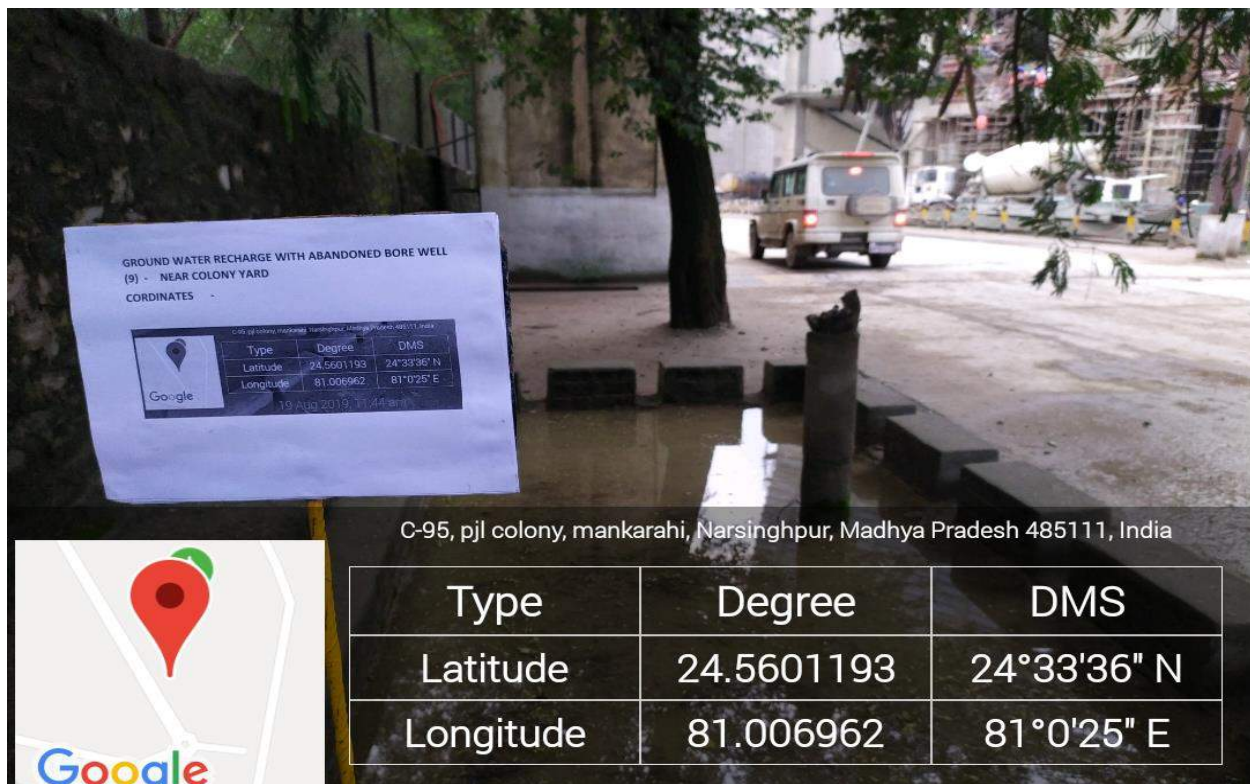
RWH 6 – Roof Top Rain Water Harvesting Cooler Unit 2 Load Center Building



RWH 7 – Roof Top Rain Water Harvesting General Store Building



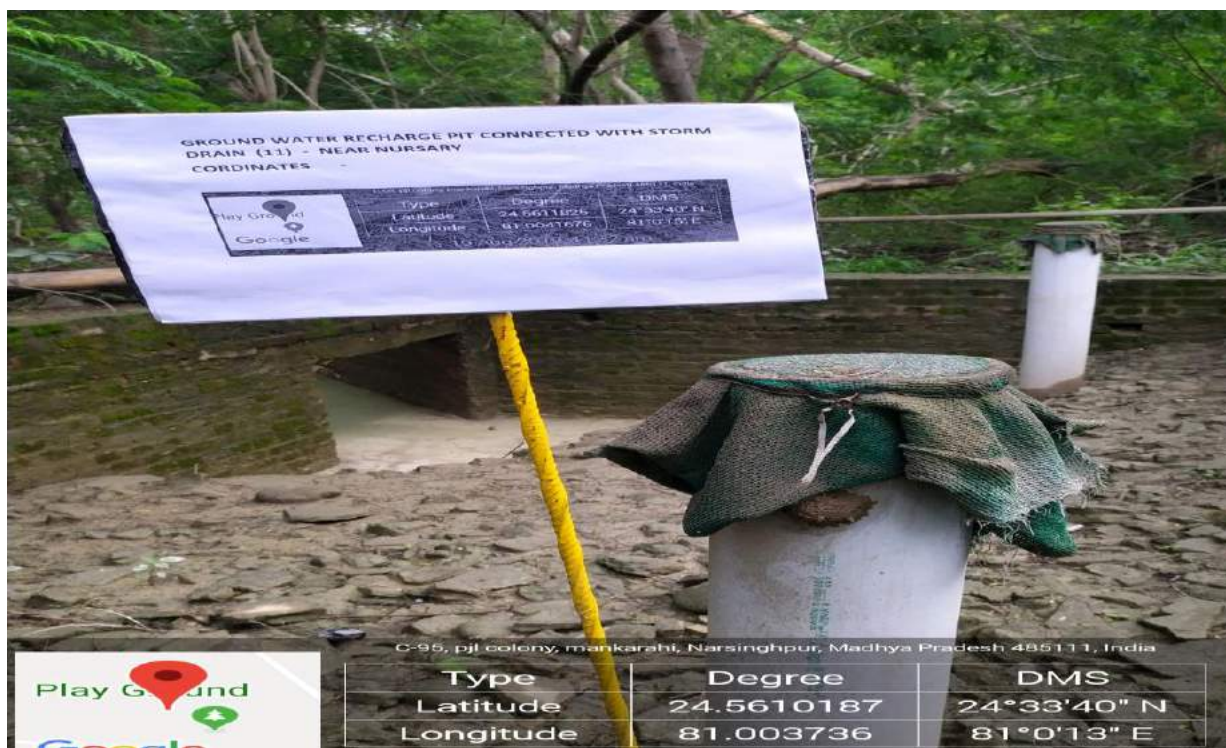
RWH 8 – Runoff Rain Water Harvesting- Near Guest House



RWH 9 – Ground Water Recharge Pit with abandoned Bore well Near colony yard



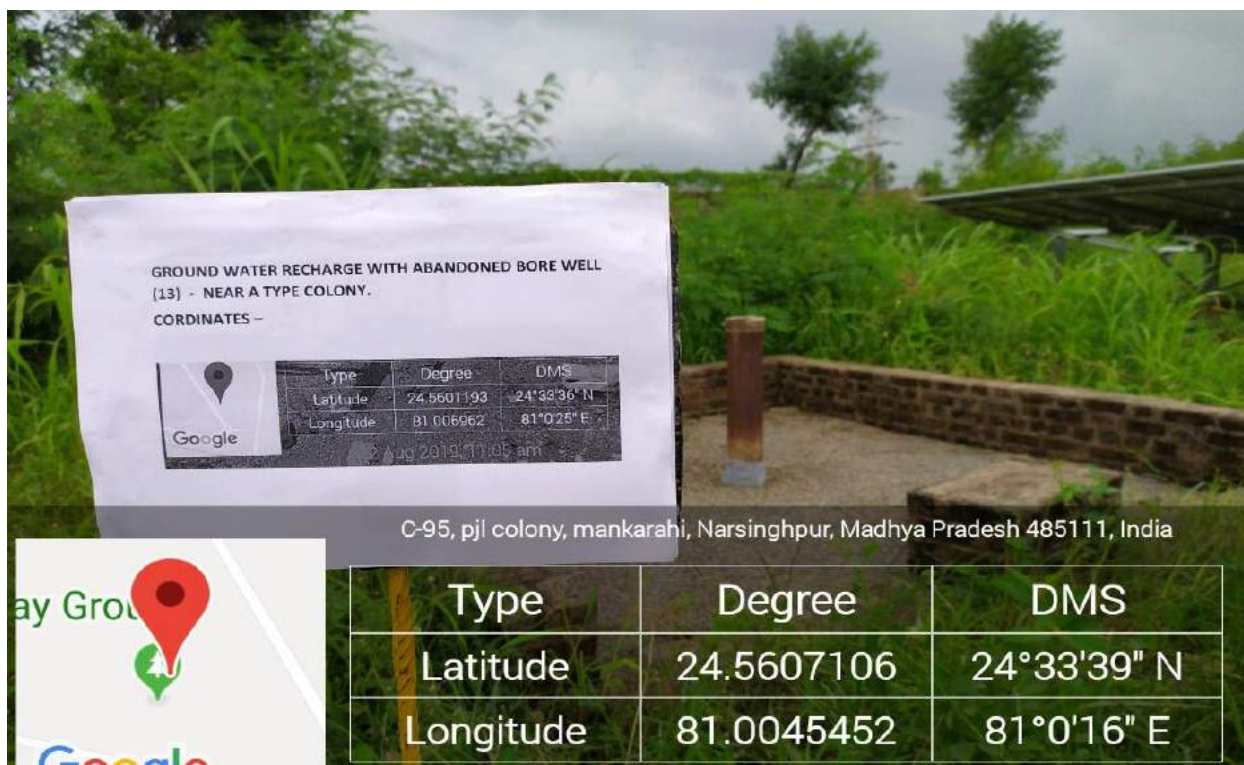
RWH 10 – Ground Water Recharge pit connected with Storm Drain Near A type colony



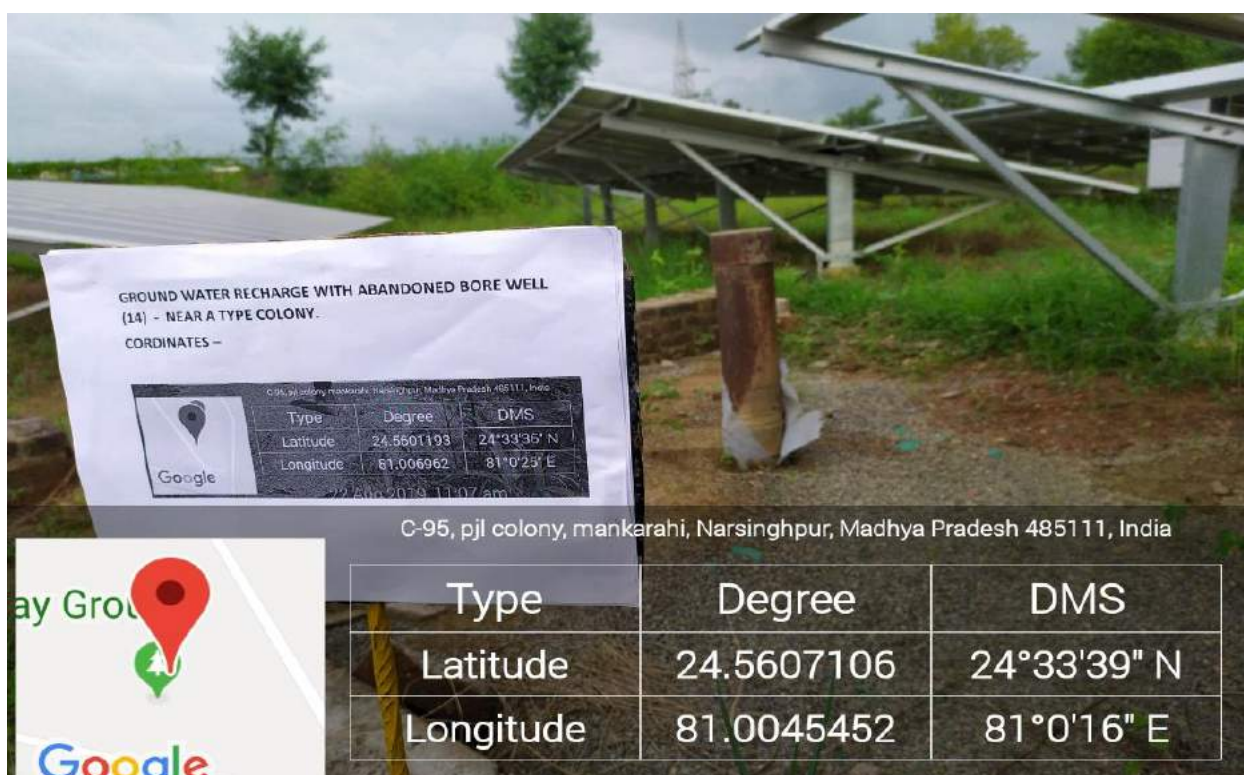
RWH11 - Ground Water Recharge pit connected with Storm Drain Near Nursery



RWH 12 - Ground Water Recharge pit with abandoned Bore well – Near steel yard



RWH 13 - Ground Water Recharge pit with abandoned Bore well – Near A type Colony



RWH 14 - Ground Water Recharge pit with abandoned Bore well – Near A Type Colony

S. No.	Land use type	Area M2	Rainfall (M)	Runoff Coefficient (As per CGWB Guidelines)	Quantity of Rainfall Runoff Generated (Available for Harvesting / Artificial Recharge)	
			Apr 22 - Sep 22		Apr 22 - Sep 22	
1	Roof - Project office	386	0.93704	0.85	307	
2	Roof - School	1150	0.93704	0.85	916	
3	Roof of MRSS	1900	0.93704	0.85	1513	
4	Roof of Cement Mill Load Center U2	1100	0.93704	0.85	876	
5	Roof General Store	2000	0.93704	0.85	1593	
6	Cooler Load Centre U1	1100	0.93704	0.85	876	
7	Cooler Load Centre U2	1000	0.93704	0.85	796	
8	Runoff Water Harvesting Structure Near Guest House	30000	0.93704	0.3	8433	
9	Groundwater Recharge with Unused Bore well - 1	10000	0.93704	0.3	2811	
10	Groundwater Recharge with Unused Bore well - 2	10000	0.93704	0.3	2811	
11	Groundwater Recharge with Unused Bore well - 3	2500	0.93704	0.85	1991	
12	Groundwater Recharge Pit Connected with Storm Drain - A type Colony	9746	0.93704	0.85	7763	
		17307	0.93704	0.3	4865	
13	Groundwater Recharge Pit Connected with Storm Drain - Near Nursery	22828	0.93704	0.85	18182	
		47748	0.93704	0.3	13423	
14	Ground water recharge with Unused bore well near steel yard	40000	0.93704	0.85	31859	
15	New security Barrack	10000	0.93704	0.85	7965	
16	Durtech shed	800	0.93704	0.3	225	
		30000	0.93704	0.85	23895	
17	Packing Plant Unit I	375	0.93704	0.85	299	New Added
18	Packing Plant Unit II	1500	0.93704	0.85	1195	New Added
19	Mines Workshop	468	0.93704	0.85	373	New Added
20	Behind Club (Old Colony E&G)	104900	0.93704	0.65	63892	
21	New Security Barrack	83000	0.93704	0.65	50553	New Added
	Total Recharge				132967	

	Roof top rainwater harvesting structures
	Unused Bore
	Ground water recharge/pit -Storm Drain

भारत सरकार
खान मंत्रालय
भारतीय खान भूरो
क्षेत्रीय खान नियंत्रक का कार्यालय



रजिस्टर्ड पारसि द्वारा
GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
AND THE REGIONAL CONTROLLER OF MINES

फा0 सं0 - MP/Satna/Limestone/RMP-57/2020-21
प्रति,

जबलपुर, दिनांक : 09/04/2021

मेसर्स प्रिज्म जॉनरान लि0
राजगीप रीवासोन्न सतना
जिला सतना (गोपू0) 485111

विषय- गोपू0 राज्य के सतना जिले में स्थित आपकी बगहई लाइमस्टोन खान (क्षेत्र 512.317 हे0) के एमरीआर- 2018 के नियम 17 (1) के अंतर्गत जमा किए गए खनन योजना के पुनर्विलोकन का अनुमोदन।

- संदर्भ :- (1) आपका/क्यू पी0 का पत्र क्रमांक - PJI/MINE/2021-790, दि0 18/01/2021 एवं जमा प्रक्रिया शुल्क की रसीद संख्या जे 257 दि0 22/01/2020।
(2) इस कार्यालय का समसंख्या संवीक्षा-पत्र दि0- 12/03/2020।
(3) आपका/क्यू पी0 का पत्र क्रमांक - PJI/MINE/BG/2021-809 दि0 19/03/2021।

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 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. 5,12,43,000/- (Rs. Five crore Twelve Lakh Forty Three Thousand only) is valid up to 31/03/2026 and next Financial Assurance shall be submitted on or before 31/03/2026.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2021-22 to 2025-26 with validity up to 31/03/2026, 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 01/10/2025.
- 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,
(पुखराज नेणवाल)
09-4-2021
(पुखराज नेणवाल)
क्षेत्रीय खान नियंत्रक
भारतीय खान भूरो, जबलपुर

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" 2nd 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.

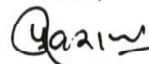
महोदय,

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,


(पुखराज नेगवाल)
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो, जबलपुर

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
O/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/यू 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/यू 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 March, 2020

(रजनीश पुरोहित)
क्षेत्रीय खान नियंत्रक
भारतीय खान भूरो, जबलपुर

भारत सरकार
खानमंत्रालय
भारतीय खानभूरो
क्षेत्रीय खाननियंत्रक कार्यालय



रजिस्टर्ड / साधारण डाक
GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
O/O THE REGIONAL CONTROLLER OF MINES

No. : MP/Satna/Limestone /M.Sch-6/16-17

Jabalpur, dt. 4/11/2016

To

M/s Prism Cement Ltd.,
Rajdeep, Rewa Road, Satna,
District Satna (MP) 485001

विषय- मध्य प्रदेश राज्य के सतना जिले में स्थित आपकी मैडी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594 हे०) के एमसीडीआर-1988 के नियम 12 के अंतर्गत जमा किए गए माइनिंग स्कीम का अनुमोदन।

संदर्भ- 1) आपके द्वारा जमा किया गया प्रक्रिया शुल्क के रसीद संख्या J/170 दि०- 30/05/2016, आपका पत्र क्रमांक कुछ नहीं दि० 23/05/2016 एवं 19/09/2016।

2) इस कार्यालय का समसंख्यक पत्र दि०-12/09/2016।

महोदय,

खनिज संरक्षण एवं विकास नियमावली, 1988 के नियम 12 के उपनियम (4) के द्वारा प्रदत्त शक्तियों के अधीन एतद द्वारा मध्य प्रदेश राज्य के सतना जिले में स्थित आपकी मैडी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594 हे०) की माइनिंग स्कीम का अनुमोदन प्रदान करता हूँ। यह अनुमोदन निम्नलिखित शर्तों के अधीन है-

- 1 The Scheme of mining 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 Scheme of Mining 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 Mineral Concession Rules, 1960 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 16,25,000 (Rs. Sixteen Lakh Twenty Five Thousand only) valid up to 31/03/2021 and next Financial Assurance shall be submitted on or before 31/03/2021.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2016-17 to 2020-21 validity up to 31/03/2021 from the date of approval, subject to all other statutory clearances.
- 8 The next scheme of mining will be due for submission on 01/12/2020.
- 9 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.
- 10 If the approval conflict with any other law or court order/direction under any statute, it shall be revoked immediately.

संलग्न-अनुमोदित माइनिंग स्कीम की एक प्रति के साथ।

भवदीय

4.11.2016

(रजनीश पुरोहित)
क्षेत्रीय खान नियंत्रक
भारतीय खान भूरो, जबलपुर

Table no. 1. ML area 772.067 Ha. (Hinauti & Sijahata)
Present Dumps status

Dump No.	Location of Dump	Present Height of Dump (m)
S1	300E to 400E and 80N to 220N	2.0
S2	410E to 880E and 210N to 50N	6.0
S3	920E to 1010E and 320N to 360N	4.0
S4	1060E to 1220E and -60N to 320N	6.0

Table no. 2. ML area 99.416 Ha. (Hinauti & Sijahata)
Present Dumps status

Dump No.	Location of Dump	Present Height of Dump (m)
D1	1720E to 1810E and -1130N to -1155N	6.0
D2	1670E to 1720E and -1240N to -1120N	6.7

Table no. 3. ML area 512.317 Ha. (Baghai)
Present Dumps status

Dump No.	Location of Dump	Present Height of Dump (m)
S1	644E to 685E and 2092N to 2317N	3.5
S2	848E to 915E and 1432N to 1500N	15.0
S3	927E to 959E and 1242N to 1356N	4.0
S4	1060E to 1220E and -60N to 320N	3.5
S5	1112 E to 1162 E and 997 N to 1187 N 4.0	
S6	1478 E to 1540 E and 1307 N to 1438 N	4.0
WS1	635E to 692E and 2338N to 2397N	3.0
WS2	879E to 904E and 2292N to 2323N	3.0
WS4	790E to 868E and 1477N to 1753N	13.0
WS5	1400E to 1538E and 1354N to 1531N	13.0

Table no. 4. ML area 117.594 Ha. (Mendhi)

Present Dumps status:-Nil

photographs of Dumps:



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

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	425.75	0.88
Total	48310.49	100

(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

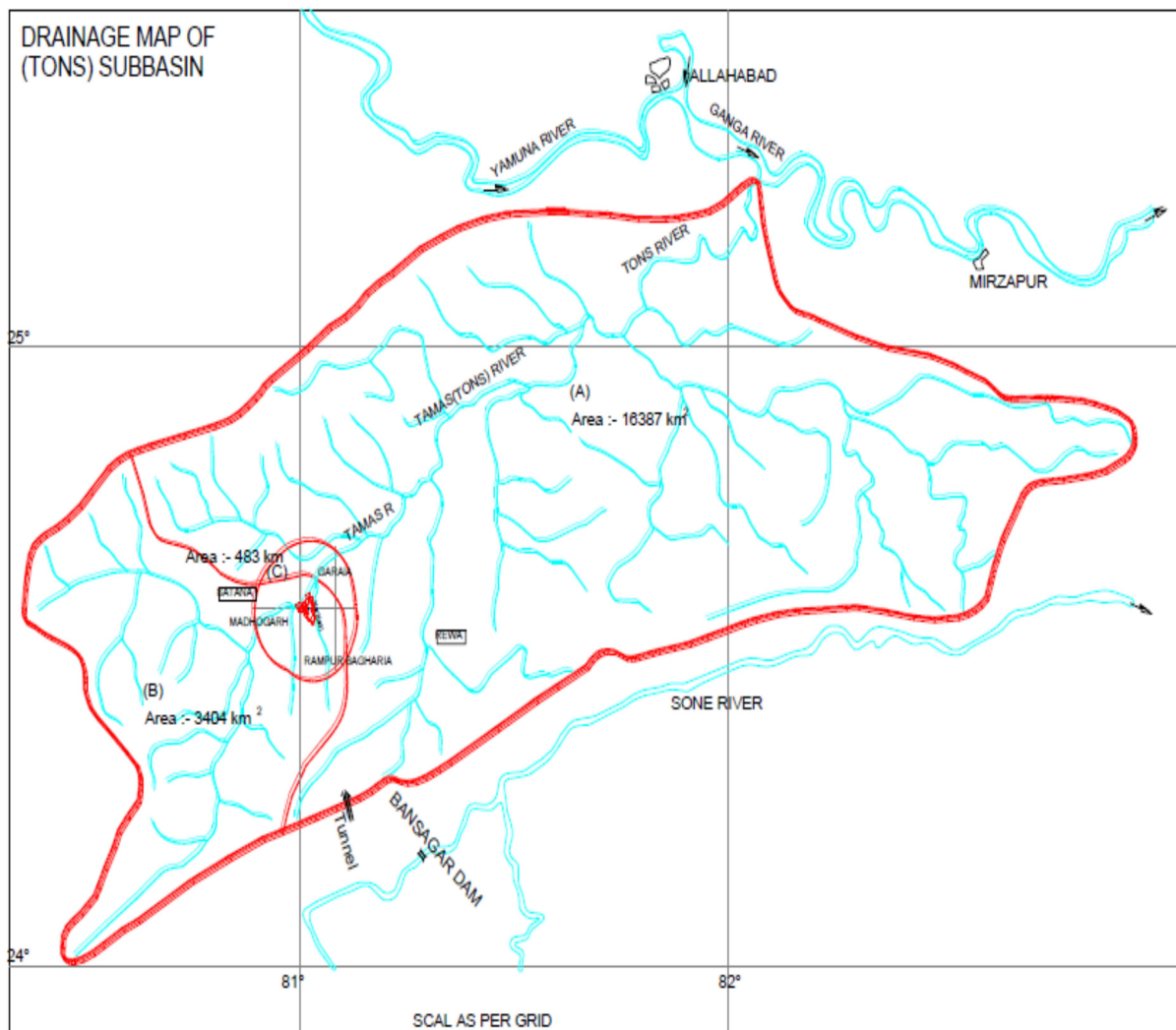


FIGURE-3

DRAINAGE MAP OF BUFFER ZONE

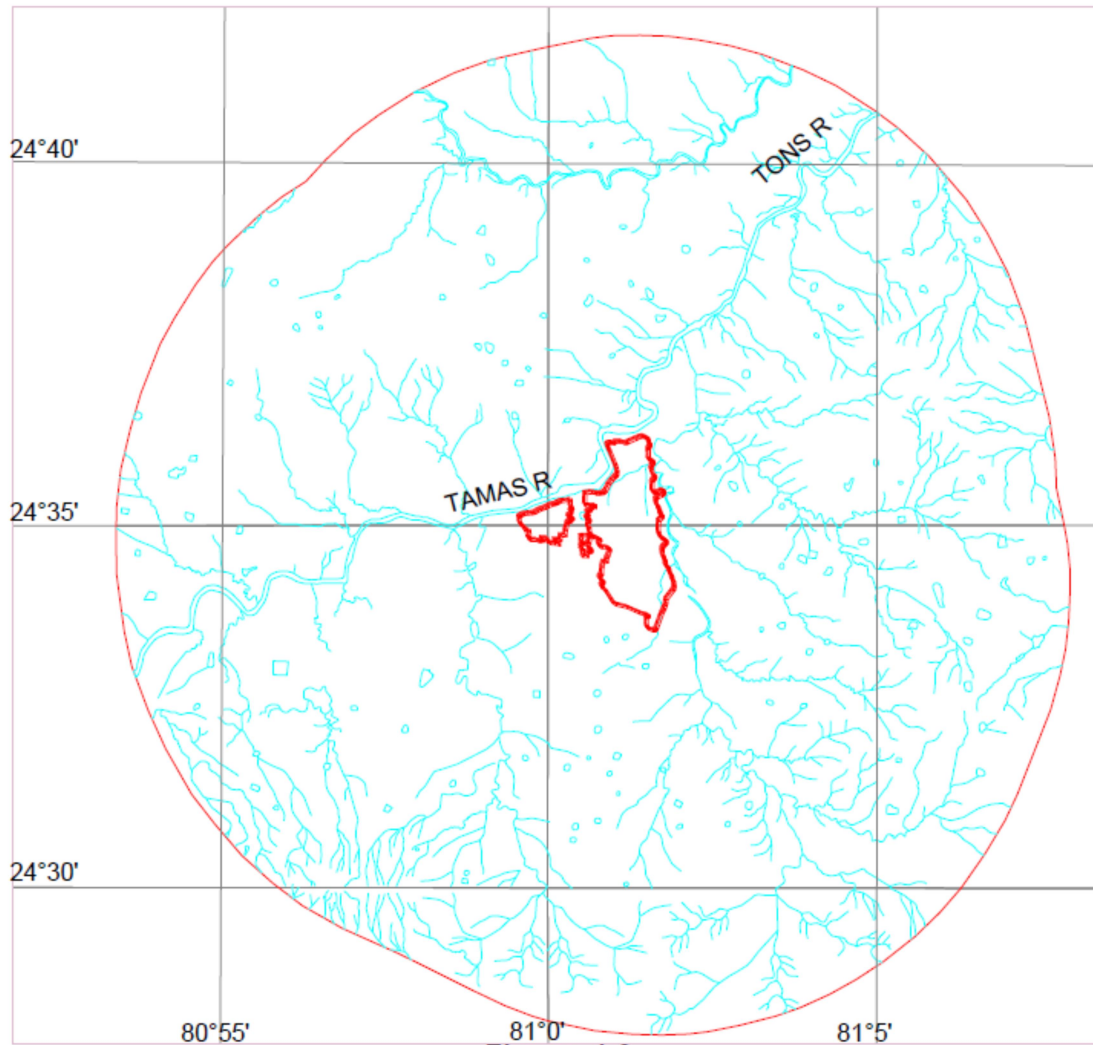


Figure 1.3

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	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 & 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° . 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 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 km² (7.72 km² + 2.53 km²). 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

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

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.



VIBRANT
"Experience the unimaginable"

TEST REPORT



TC-11227

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 : Sijhata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	255.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.11	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	218.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	138.79	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	27.95	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	545.20	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	89.32	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 ₃)	IS: 3025 (P-34): 1988	16.18	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	1.0
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	0.38	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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



TC-11227

Sample Number : VTL/W/01

Report No. : VTL/W/2306170001/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/W/01**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Sample Description :** Water Sample**Sampling Location :** Sijhata - Village (Borewell)**Sample Collected By :** VTL Team**Preservation :** Suitable Preservation**Method of sampling :** IS :3025**Report No. :** VTL/W/2306170001/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



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.)

Report No. : VTL/W/2306170002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Sample Description : Water Sample

Sampling Location : Packing Plant -Unit-II

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	7.32	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	285.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	62.12	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	228.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	141.66	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	31.59	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	685.20	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	93.20	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.56	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	17.89	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.30	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	1.0
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	0.41	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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"

Sample Number : VTL/GW/02

TEST REPORT



TC-11227

Report No. : VTL/W/2306170002/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/02**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Sample Description :** Water Sample**Sampling Location :** Packing Plant -Unit-II**Sample Collected By :** VTL Team**Preservation :** Suitable Preservation**Method of sampling :** IS :3025**Report No. :** VTL/W/2306170002/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



TC-11227

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/2306170003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.58	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	200.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	52.10	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	199.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	144.53	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	17.01	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	624.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	67.31	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.57	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	16.58	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	1.0
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	0.15	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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

TC-11227

Sample Number : VTL/GW/03

Report No. : VTL/W/2306170003/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



 Checked by

 RK Yadav
 Lab Incharge
 Authorized Signatory
 


Page No. 2/2

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/GW/03**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Report No. :** VTL/W/2306170003/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.**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	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



TC-11227

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 Sijatali

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.43	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	185.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	48.10	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	180.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	131.13	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	15.79	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	556.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	58.25	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.27	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	15.20	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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

TC-11227

Sample Number : VTL/GW/04

Report No. : VTL/W/2306170004/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by

RK Yadav
Lab Incharge
Authorized Signatory

Page No. 2/2

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/GW/04**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Sample Description :** Water Sample**Sampling Location :** Mine Site Office Hinauti Sijatali**Sample Collected By :** VTL Team**Preservation :** Suitable Preservation**Method of sampling :** IS :3025**Report No. :** VTL/W/2306170004/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

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

End of Report


Checked byRK 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

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170005/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	290.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	68.14	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	223.25	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	89.97	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	29.16	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	715.20	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	90.61	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.50	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	14.61	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav

Lab Incharge

Authorized Signatory



Page No. 1/2

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"

Sample Number : VTL/GW/06

TEST REPORT



TC-11227

Report No. : VTL/W/2306170005/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/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**Sample Collected By :** VTL Team**Preservation :** Suitable Preservation**Method of sampling :** IS :3025**Report No. :** VTL/W/2306170005/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

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

End of Report


Checked byRK 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

TC-11227

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

Report No. : VTL/W/2306170006/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.58	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	280.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	66.13	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	218.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	88.06	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	27.95	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	701.30	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	84.14	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.55	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	12.57	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	1.0
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	0.21	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



 Checked by

 RK Yadav
 Lab Incharge
 Authorized Signatory


Page No. 1/2

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"

Sample Number : VTL/GW/05

TEST REPORT

TC-11227

Report No. : VTL/W/2306170006/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by

RK Yadav
Lab Incharge
Authorized Signatory

Page No. 2/2

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/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

Report No. : VTLW/2306170006/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



TC-11227

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. : VTLW/2306170007/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Sample Description : Water Sample

Sampling Location : Bandakha 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	7.39	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	250.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	82.16	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	199.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	48.81	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	10.94	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	611.30	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	75.08	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.29	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	13.03	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	1.0
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	0.23	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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"

Sample Number : VTL/GW/07

TEST REPORT



TC-11227

Report No. : VTLW/2306170007/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/07**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Sample Description :** Water Sample**Sampling Location :** Bandakha Village - Borewell**Sample Collected By :** VTL Team**Preservation :** Suitable Preservation**Method of sampling :** IS :3025**Report No. :** VTLW/2306170007/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



TC-11227

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 : Malagaon Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170008/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.30	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	245.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	60.12	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	209.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	46.90	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	23.09	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	602.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	45.31	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 ₃)	IS: 3025 (P-34): 1988	12.57	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.19	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



[Signature]

Checked by



RK Yadav
Lab Incharge
Authorized Signatory

[Signature]



Page No. 1/2

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"

Sample Number : VTL/GW/08

TEST REPORT



TC-11227

Report No. : VTL/W/2306170008/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/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 : Malagaon Village - Hand Pump
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2306170008/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/06/2023
Period of Analysis : 17/06/2023-23/06/2023
Receipt Date : 17/06/2023
Sampling Date : 12/06/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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/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/2306170009/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.58	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	190.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	54.11	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	180.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	39.24	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	13.36	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	480.40	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	50.49	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.48	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	8.82	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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/GW/09

Report No. : VTL/W/2306170009/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/09**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- 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/2306170009/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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

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/2306170010/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Sample Description : Water Sample
Sampling Location : Plant Pump House
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	7.51	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	195.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	52.10	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	209.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	48.81	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	15.80	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	568.70	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	66.02	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.30	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	12.83	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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/GW/10

Report No. : VTLW/2306170010/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



[Signature]

Checked by



RK Yadav
Lab Incharge
Authorized Signatory

[Signature]



Page No. 2/2

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/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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170010/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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

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/2306170011/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/06/2023
Period of Analysis : 17/06/2023-23/06/2023
Receipt Date : 17/06/2023
Sampling Date : 12/06/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.

Sample Description : Water Sample
Sampling Location : Borewell at Project Office
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	7.56	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	220.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	64.13	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	242.25	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	53.60	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	14.58	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	634.70	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	88.03	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 ₃)	IS: 3025 (P-34): 1988	14.01	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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/GW/11

Report No. : VTLW/2306170011/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/11**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Sample Description :** Water Sample**Sampling Location :** Borewell at Project Office**Sample Collected By :** VTL Team**Preservation :** Suitable Preservation**Method of sampling :** IS :3025**Report No. :** VTL/W/2306170011/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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

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. : VTLW/2306170012/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/06/2023
Period of Analysis : 17/06/2023-23/06/2023
Receipt Date : 17/06/2023
Sampling Date : 12/06/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.

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	7.35	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	180.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.11	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	171.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	52.64	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	9.72	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	583.20	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	66.02	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.30	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	12.17	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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/GW/12

Report No. : VTL/W/2306170012/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



[Signature]

Checked by



RK Yadav
Lab Incharge
Authorized Signatory

[Signature]



Page No. 2/2

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/GW/12

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 : Limestone Mine Site office D. Water
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2306170012/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/06/2023
Period of Analysis : 17/06/2023-23/06/2023
Receipt Date : 17/06/2023
Sampling Date : 12/06/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

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

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number : VTL/GW/12

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 : Baghi Limestone Mine Site office D. Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170013/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	205.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	46.09	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	175.75	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	28.71	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	21.87	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	486.60	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	40.13	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.28	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	13.09	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	1.0
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	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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"

Sample Number : VTL/GW/12

TEST REPORT



TC-11227

Report No. : VTLW/2306170013/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/12

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 : Baghi Limestone Mine Site office D. Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170013/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



TC-11227

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/2306170014/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Sample Description : Water Sample

Sampling Location : Plant Site 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	7.63	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	265.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	62.12	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	194.75	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	44.03	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	26.73	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	606.10	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	56.96	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.55	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	15.99	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	1.0
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	0.21	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



[Signature]

Checked by



RK Yadav
Lab Incharge
Authorized Signatory

[Signature]



Page No. 1/2

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/GW/14

Report No. : VTLW/2306170014/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/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 Borewell

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170014/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



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.)

Report No. : VTLW/2306170015/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.49	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	235.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	58.12	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	190.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	55.51	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	21.87	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	596.60	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	67.31	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.43	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	19.28	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	1.0
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	0.25	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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/GW/15

Report No. : VTLW/2306170015/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/15**Name & Address of the Party :** M/s PRISM JOHNSON LIMITEDVillage- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)**Report No. :** VTLW/2306170015/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 23/06/2023**Period of Analysis :** 17/06/2023-23/06/2023**Receipt Date :** 17/06/2023**Sampling Date :** 12/06/2023**Sampling Type :** Grab**Sample Quantity :** 2 Ltr.**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)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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



TC-11227

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. : VTLW/2306170016/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.39	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	245.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	64.13	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	185.25	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	56.47	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	20.65	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	622.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	94.50	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 ₃)	IS: 3025 (P-34): 1988	13.89	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.30	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	1.0
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	0.26	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/2

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/GW/16

Report No. : VTLW/2306170016/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
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	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	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	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



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 2/2

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/GW/16

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 : Chulhi Village - Borewell

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2306170016/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*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

Date/Time Vert at 13 35 43 June 15, 2023
 Trigger Source Geo: 0.500 mm/s, Mic: 2.000 pa (L)
 Range Geo: 254.0 mm/s
 Record Time 3.0 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 December 24, 2022 by UES New Delhi
 File Name UM8131_20230615133543.IDFW

Notes

Location:
 Client:
 User Name: PRISM JOHNSON LIMITED
 General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting
 PSPL 0.621 pa (L) at 0.005 sec
 ZC Freq >100 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1299 mv)

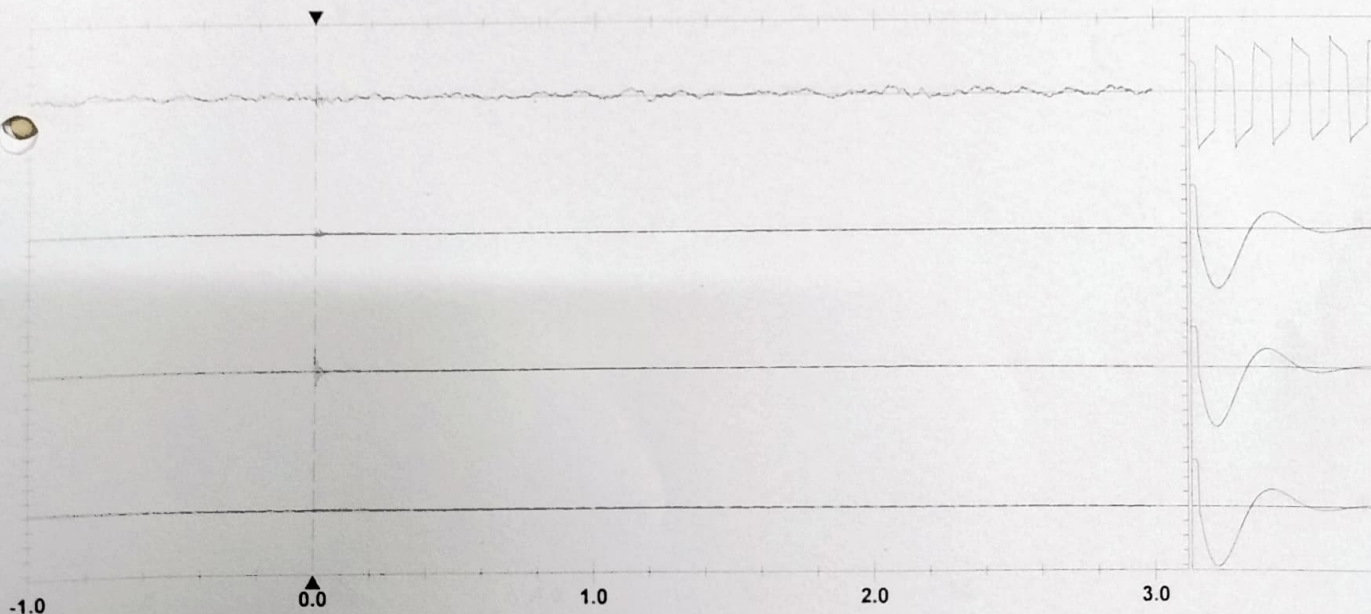
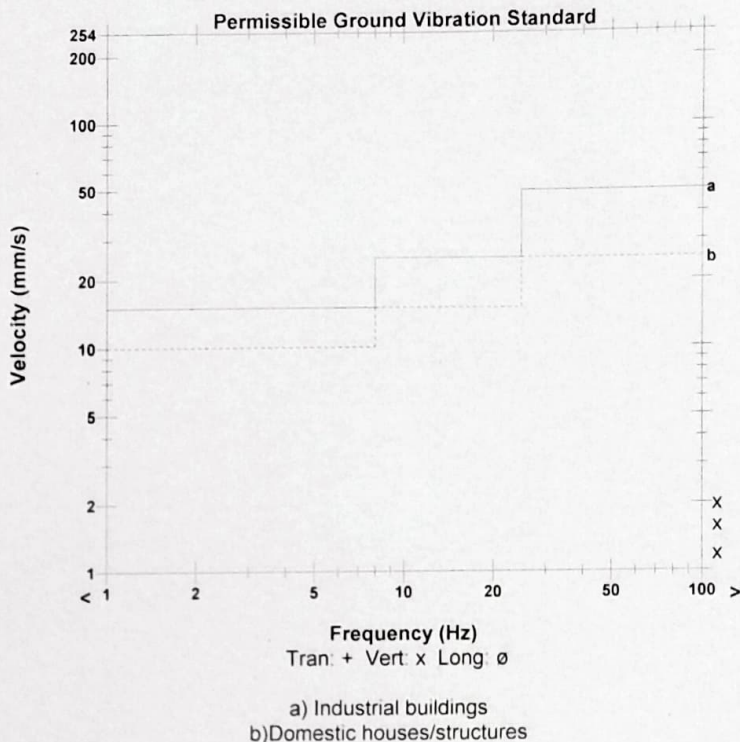
	Tran	Vert	Long	
PPV	0.331	3.358	0.828	mm/s
ZC Freq	N/A	N/A	85	Hz
Time (Rel. to Trig)	-0.932	0.001	0.015	sec
Peak Acceleration	0.024	0.184	0.053	g
Peak Displacement	0.090	0.090	0.051	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.5	3.3	3.7	

Peak Vector Sum 3.359 mm/s at 0.001 sec
 N/A: Not Applicable

Post Event Notes

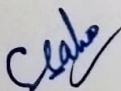
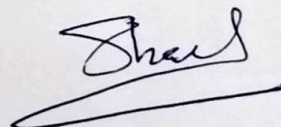
MNK/3rd Bench Shale., No of holes 27 nos, Depth - 10.5 Mtrs.
 Charge/delay - 71.95 Kg/delay, Observation Distance - 250 m

DGMS India (B)



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa (L)/div
 Trigger =

Sensor Check

Date/Time Vert at 13:59:33 July 7, 2023
Trigger Source Geo: 0.500 mm/s, Mic: 2.000 pa.(L)
Range Geo: 254.0 mm/s
Record Time 3.5 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 December 24, 2022 by UES New Delhi
File Name UM8131_20230707135933.IDFW

Notes

Location:
Client:
User Name: PRISM JOHNSON LIMITED
General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting
PSPL 1.908 pa (L) at 0.003 sec
ZC Freq >100 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1330 mv)

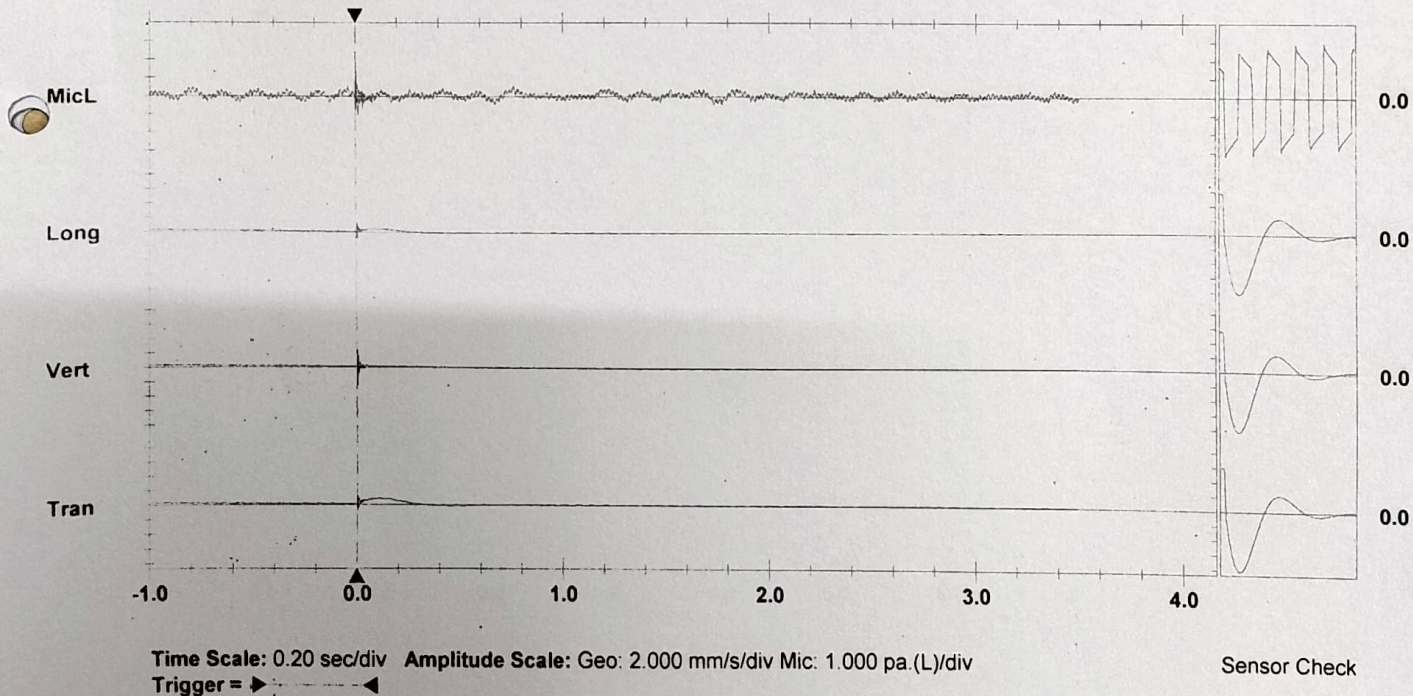
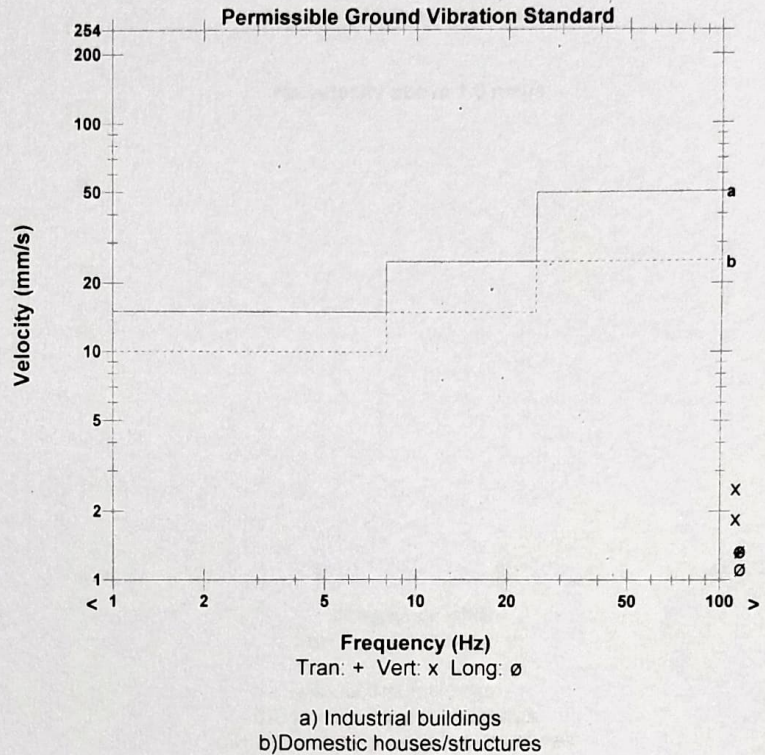
	Tran	Vert	Long	
PPV	1.308	2.522	1.340	mm/s
ZC Freq	>100	>100	>100	Hz
Time (Rel. to Trig)	0.004	0.004	0.005	sec
Peak Acceleration	0.119	0.318	0.129	g
Peak Displacement	0.111	0.115	0.075	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.6	3.4	3.7	

Peak Vector Sum 3.054 mm/s at 0.004 sec

Post Event Notes

MNK/3rd Bench Shale, No of holes 28 nos, Depth - 10.25 Mtrs.
 Charge/delay -70.99 Kg/delay, Obsevation Distance - 250 m

DGMS India (B)



Sheel

Sheel

Date/Time Long at 10:31:07 August 12, 2023
 Trigger Source Geo: 0.500 mm/s, Mic: 2.000 pa (L)
 Range Geo: 254.0 mm/s
 Record Time 7.012 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 December 24, 2022 by UES New Delhi
 File Name UM8131_20230812103107.IDFW

Notes
 Location: PRISM CEMENT LIMESTONE MINES
 Client:
 User Name: PRISM JOHNSON LIMITED
 General:

Extended Notes
 PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting
 PSPL 0.962 pa (L) at 0.007 sec
 ZC Freq >100 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1338 mv)

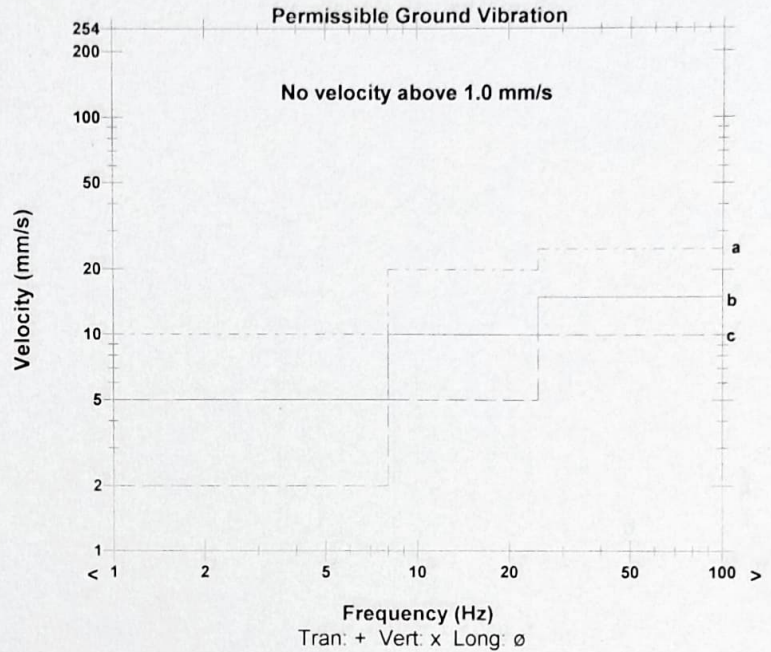
	Tran	Vert	Long	
PPV	0.757	0.315	0.883	mm/s
ZC Freq	>100	N/A	>100	Hz
Time (Rel. to Trig)	0.004	-1.000	0.005	sec
Peak Acceleration	0.082	0.005	0.094	g
Peak Displacement	0.017	0.231	0.009	mm
Sensor Check	Passed	Check	Passed	
Frequency	7.3	1024.0	7.1	Hz
Overswing Ratio	3.5	0.0	3.7	

Peak Vector Sum 0.977 mm/s at 0.004 sec
 N/A: Not Applicable

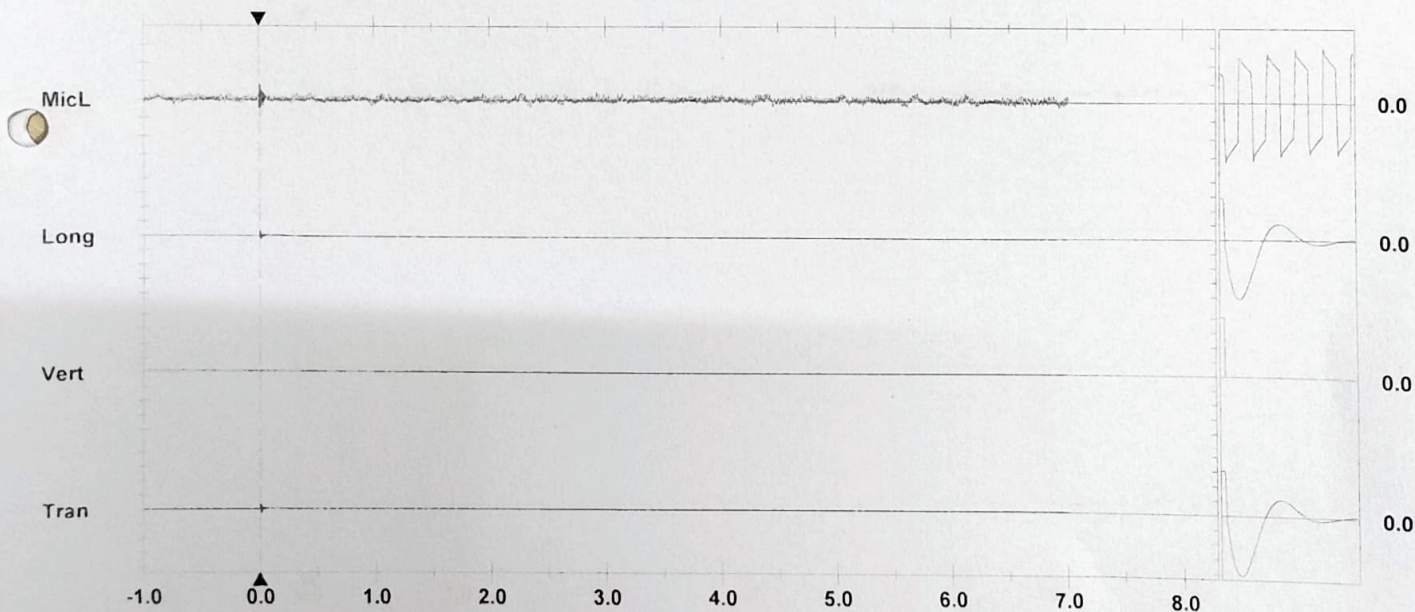
Post Event Notes

EB/GRW/2nd Bench LS, No of holes 45 nos, Depth - 7.0 Mtrs.
 Charge/delay - 31.667 Kg/delay, Obsevation Distance - 160 m

DGMS India (A)

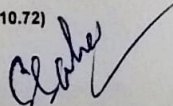
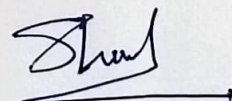


- a) Industrial Buildings
- b) Domestic houses/structures
- c) Historic objects, sensitive structures



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa (L)/div
 Trigger =

Sensor Check

Date/Time Vert at 11:41:19 October 13, 2023
 Trigger Source Geo: 0.500 mm/s, Mic: 2.000 pa (L)
 Range Geo: 254.0 mm/s
 Record Time 6.0 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 December 24, 2022 by UES New Delhi
 File Name UM8131_20231013114119 IDFW

Notes
 Location PRISM CEMENT LIMESTONE MINES
 Client
 User Name: PRISM JOHNSON LIMITED
 General:

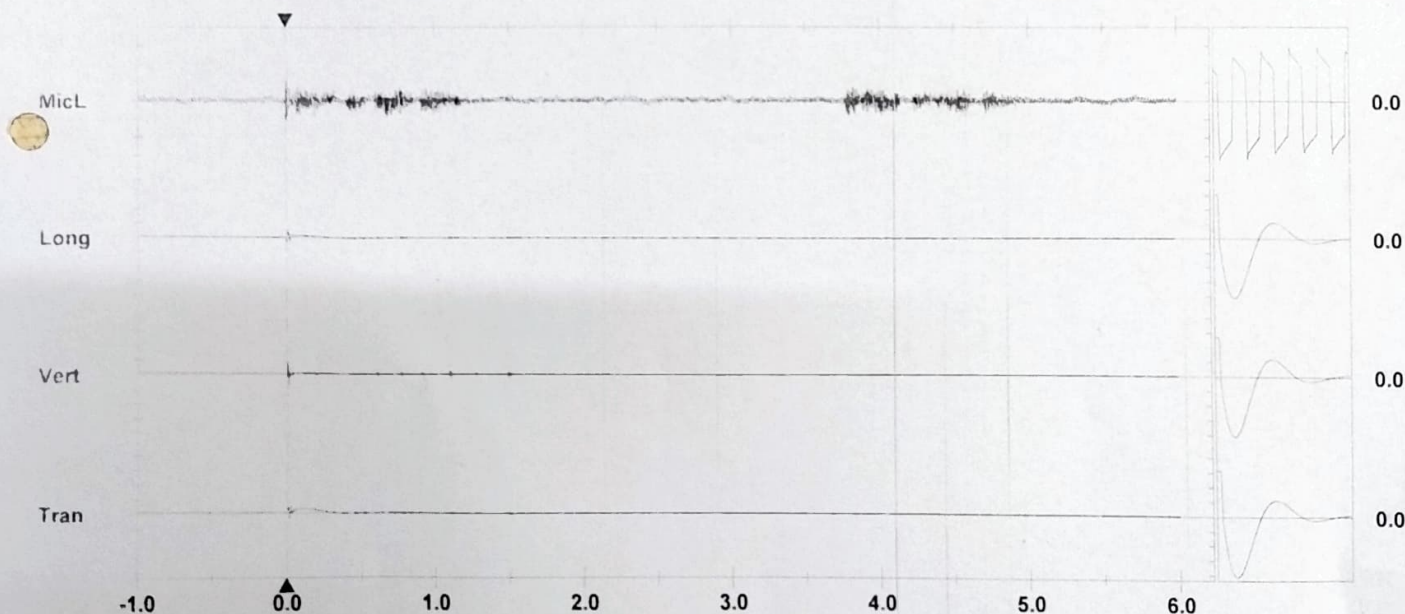
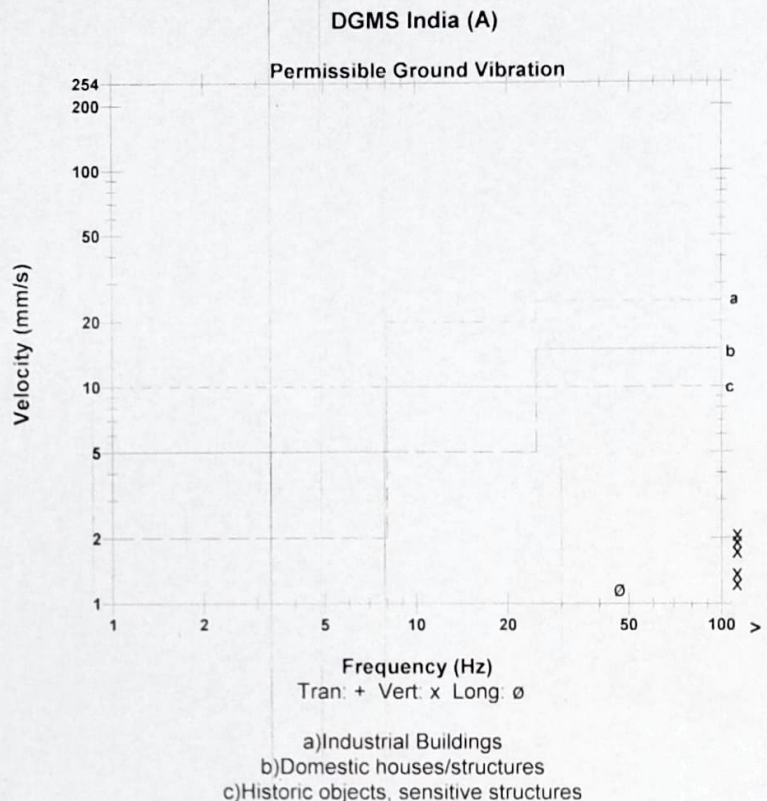
Post Event Notes
 EB/H-16/GRW/WR/1ST BENCH/East, No of holes 34 nos, Depth -4.11
 Mtrs
 Charge/delay -11.029 Kg/delay, Observation Distance - 160 m

Extended Notes
 PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting
 PSPL 1.660 pa (L) at 0.011 sec
 ZC Freq >100 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1349 mv)

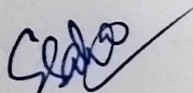
	Tran	Vert	Long	
PPV	0.946	2.089	1.167	mm/s
ZC Freq	47	>100	47	Hz
Time (Rel. to Trig)	0.022	0.011	0.012	sec
Peak Acceleration	0.075	0.285	0.100	g
Peak Displacement	0.093	0.091	0.057	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.6	3.4	3.7	

Peak Vector Sum 2.104 mm/s at 0.009 sec



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa (L)/div
 Trigger = ▶ ◀

Sensor Check



An Analysis to Monitor the change in Land Use / Land Cover using Remote Sensing & GIS Technique
Final Report

“ Digital Processing of Mining Leases- 772Ha, 512Ha, 117Ha & 99Ha using Remote Sensing Technique for fulfillment of EC Compliance of Cement Unit Plant II and Integrated Mines.” for Prism Johnson Ltd (Formerly Prism cement Ltd) in Satna, Madhya Pradesh.



Submitted By:

SPA GEO TECHNOLOGIES PVT LIMITED

8A, 3rd Floor, Mahaluxmi Metro Tower, C2,
Sector -4, Vaishali, NCR, Ghaziabad - 201012

URL: www.spageo.co.in

Email: info@spageo.co.in ; alok@spageo.co.in

Tel: 91-120-4567200, Fax: 91-120-4567100

Purchase Order

PO No : 3100157191 - P200

PO Date : 22.06.2020



Contents

1.	<i>Introduction</i>	4
1.1.	<i>Scope of Work</i>	5
1.2.	<i>Objectives</i>	5
1.3.	<i>Software</i>	5
1.4.	<i>Study Area</i>	5
1.5.	<i>Location Map</i>	7
1.6.	<i>Satellite Image of Study Area</i>	
	1.6.3. <i>Satellite Image of 2020</i>	8
2.	<i>APPROACH & METHODOLOGY</i>	9
2.1.	<i>Flow Chart</i>	10
2.2.	<i>Data Procurement</i>	11
2.3.	<i>Satellite Data Processing</i>	11
2.4.	<i>Rectification & Geo-referencing</i>	11
2.5.	<i>Image enhancement</i>	11
2.6.	<i>Classification and Accuracy assessment</i>	11
2.7.	<i>Area Calculation</i>	11
2.8.	<i>Overlay of Vector data base</i>	11
2.9.	<i>Field Survey Images</i>	12-14
2.10.	<i>Finding of Study</i>	15
	2.10.1. <i>Baghai Lime stone Mine 2020 (512.317)</i>	15
	2.10.2. <i>Mendhi Lime stone 2020 (117)</i>	16
	2.10.3. <i>Hinouti & Sijhatta Lime stone Mine 2020 (772.067& 99.416)</i>	16
	2.10.4. <i>Land use/Land Cover Map Of Buffer Zone 2020</i>	17
3.	<i>Conclusion</i>	18

Table

Table 1. Details of Study Area	6
Table 2. Baghai Lime Stone Mine Area Sheet 2020	15
Table 3. Mendhi Lime Stone Mine Area Sheet 2020	16
Table 4. Hinouti & Sijhatta Lime Stone Mine Area Sheet 2020	16
Table 5. Land Use/Land Cover Map Of Buffer Zone with 10 Sq.km.	17

Figure

Figure 1. Satellite Image of Mine Area 2020	8
Figure 2. Baghai Lime Stone Mine Area Map of 2020	19
Figure 3. Mendhi Lime Stone Mine Area Map of 2020	20
Figure 4. Hinouti & Sijhatta Lime Stone Mine Area Map of 2020	21
Figure 5. Land Use/Land Cover Map Of Buffer Zone with 10 Sq.km (2020)	22

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 (Formerly Prism cement 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 772.067 HA, 512.317 HA, 117.594 HA & 99.416 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 (Formerly Prism cement 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, Satna district (MP) where cement Plant-II . 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. it is 22 km. from Satna city and 3 Km. from Satna - Rewa highway.

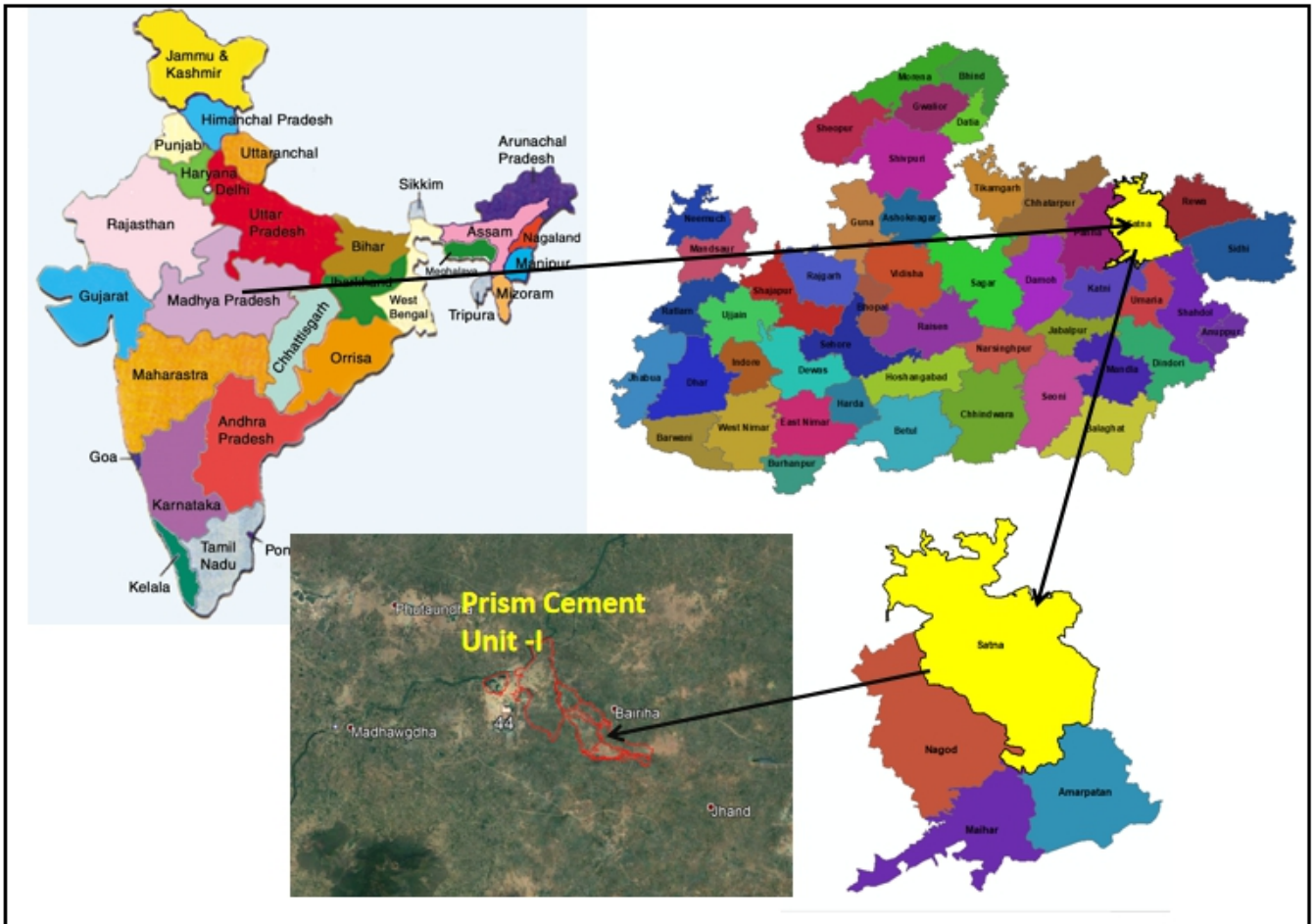
The details of the Mine lease areas are listed in the Table 1:

Table - 1

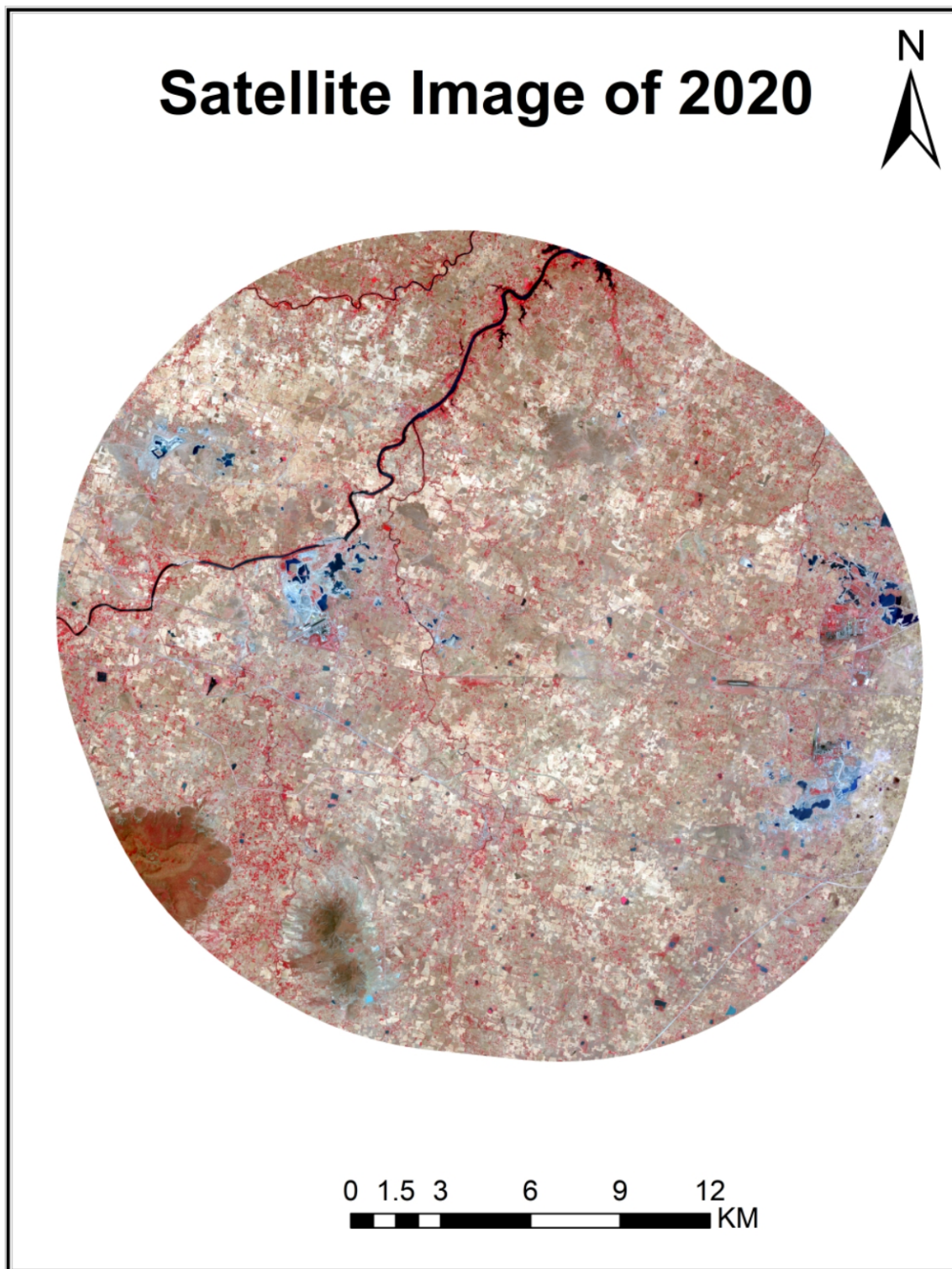
Details	Cement Plant	Hinouti & Sijhatta Lime stone (772.067 & 99.416)	Mendhi Lime stone Mine (117.594)	Baghai Limestone Mine (512.317)
Village	Mankhari	Hinouti & Sijhatta	Mendhi	Baghai
Tehsil	Rampur, Baghelan	Rampur, Baghelan	Rampur, Baghelan	Rampur, Baghelan
District	Satna	Satna	Satna	Satna
State	Madhya 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



1.6. Satellite Image of Study Area



2. APPROACH & METHODOLOGY

Indian remote sensing satellite LISS-IV 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-IV 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-IV 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.

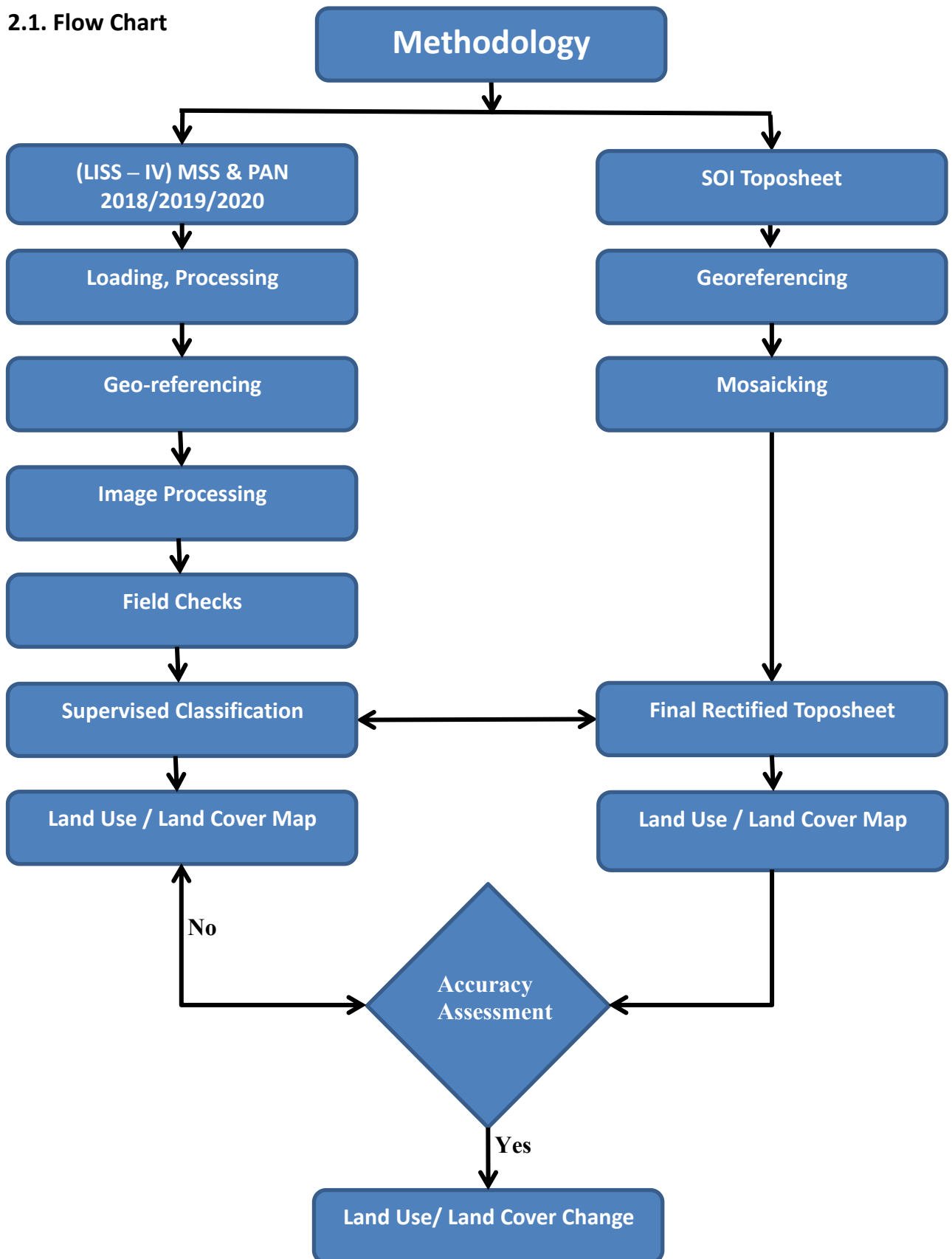
Data available gives uniform spectral and radiometric characteristics and minimize the seasonal variation. The survey of India topographic sheets No. G44U14 & G44V2 on scale 1:50,000 were used for preparation of base map. Secondary data obtained from published material. Visual interpretation is the effective 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).







2.10. Finding of Study:

2.10.1. Baghai Lime Stone Mine

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 3). 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 **Baghai Lime Stone Mine (512.317)**.

Table - 2 Baghai Lime Stone Mine Land use Details (512.317)(Fig.2)	
Description	2020 (Area In Ha)
<i>CropLand</i>	<i>4.5569</i>
<i>Agriculture-Fallow</i>	<i>413.402</i>
<i>Built up Land</i>	<i>18.1843</i>
<i>Soil Dump</i>	<i>21.844</i>
<i>Limestone Quarry</i>	<i>28.119</i>
<i>Drainage / WaterBody</i>	<i>9.009</i>
<i>WasteLand</i>	<i>24.7409</i>
<i>Plantation</i>	<i>0</i>
<i>Road</i>	<i>0</i>
Total	512.317

2.10.2. Mendhi Lime Stone Mine

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 4). 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 of **Mendhi Lime Stone Mine (117 Ha)**.

Table - 3 Mendhi Lime Stone Mine (117 Ha.)(Fig.3)	
Description	2020 (Area In Ha)
<i>Crop Land</i>	3.7463
<i>Agriculture-Fallow</i>	101.88
<i>Built up Land</i>	9.1168
<i>Soil Dump</i>	0.3761
<i>Limestone Quarry</i>	5.9157
<i>Wasteland</i>	1.536
<i>Plantation</i>	1.5347
<i>Road</i>	0
Total	117

2.10.3. Hinouti & Sijhatta Lime Stone Mine

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 5). 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 of **Hinouti & Sijhatta Lime stone Mine(772.067 & 99.416 Ha)**.

Table - 4 Hinouti & Sijhatta Lime Stone Mine (772.067 & 99.416 Ha)(Fig. 4)	
Description	2020 (Area In Ha)
<i>Crop Land</i>	18.617
<i>Agriculture-Fallow</i>	574.481
<i>Built up Land</i>	74.568
<i>DumpingLand</i>	13.262
<i>Limestone Quarry</i>	120.267
<i>Drainage / WaterBody</i>	55.512
<i>Wasteland</i>	19.144
<i>Plantation</i>	36.437
Total	871.583

2.10.4. Land Use/Land Cover Map Of Buffer Zone with 10 Sq.km.

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 6). 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 - 5 Land Use Details of Buffer Zone (Fig. 5)	
Description	2020 (Area in Ha)
<i>Cement plant unit II Boundary</i>	134.3396
<i>Settlements</i>	4732.44
<i>Agriculture Fallow</i>	49411.6077
<i>Dense Forest</i>	2529.8061
<i>Dumping Land</i>	63.7381
<i>Lime Stone Quarry</i>	838.0919
<i>Open Scrub</i>	2443.2466
<i>Plantation</i>	335.2833
<i>River</i>	572.1627
<i>Road</i>	80.0801
<i>Waste Land</i>	46.6298
<i>Crop Land</i>	229.37306
<i>Water Body</i>	676.9213
<i>Open Mix Jungle</i>	136.7961
<i>Other Quarry Land</i>	677.6188
Total	62598.3184

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 forest land, 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 2020 in the Table no-6. 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.

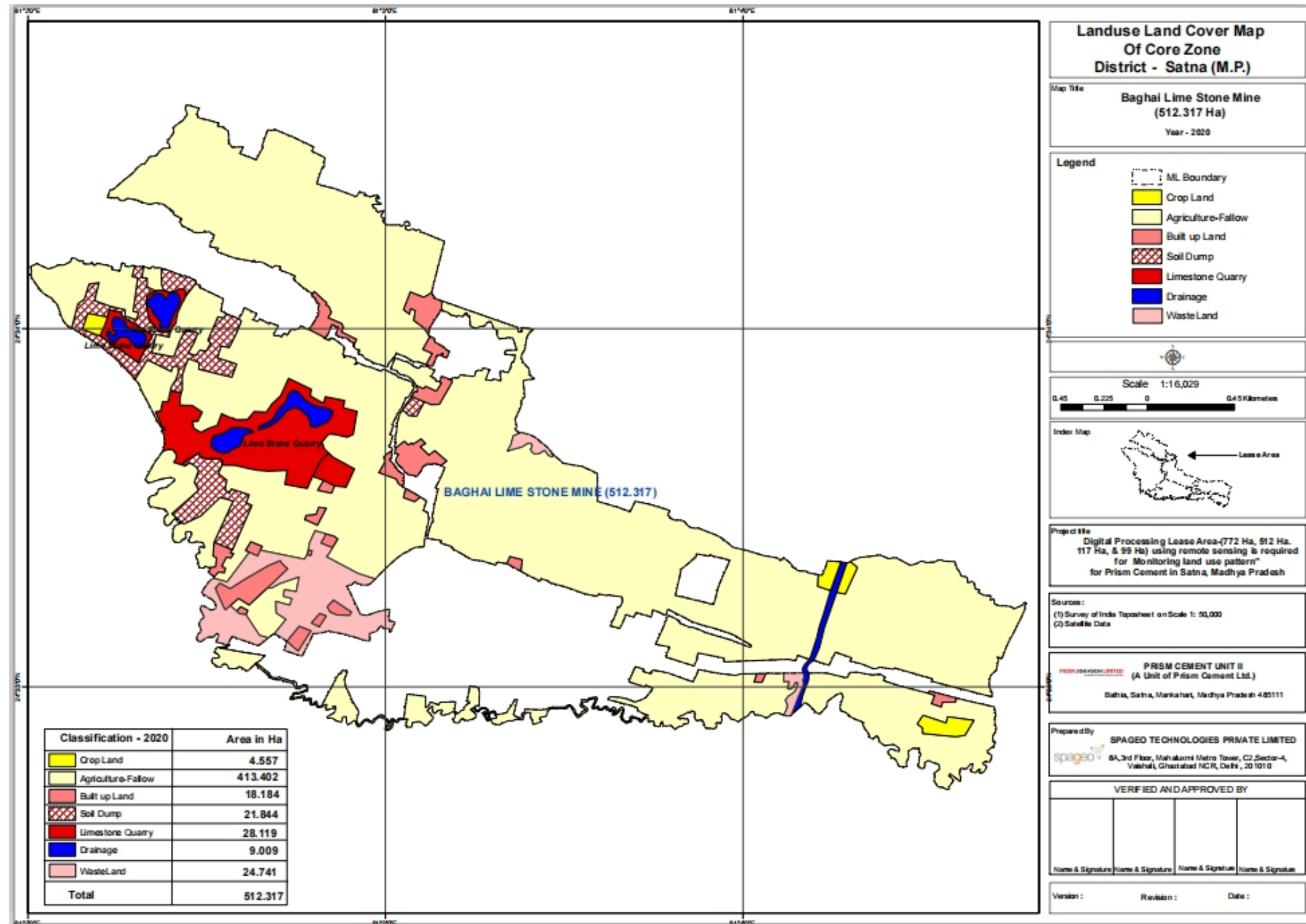


Fig:- 2 Baghai Lime stone Mine Land use Details 2020 (512.317)

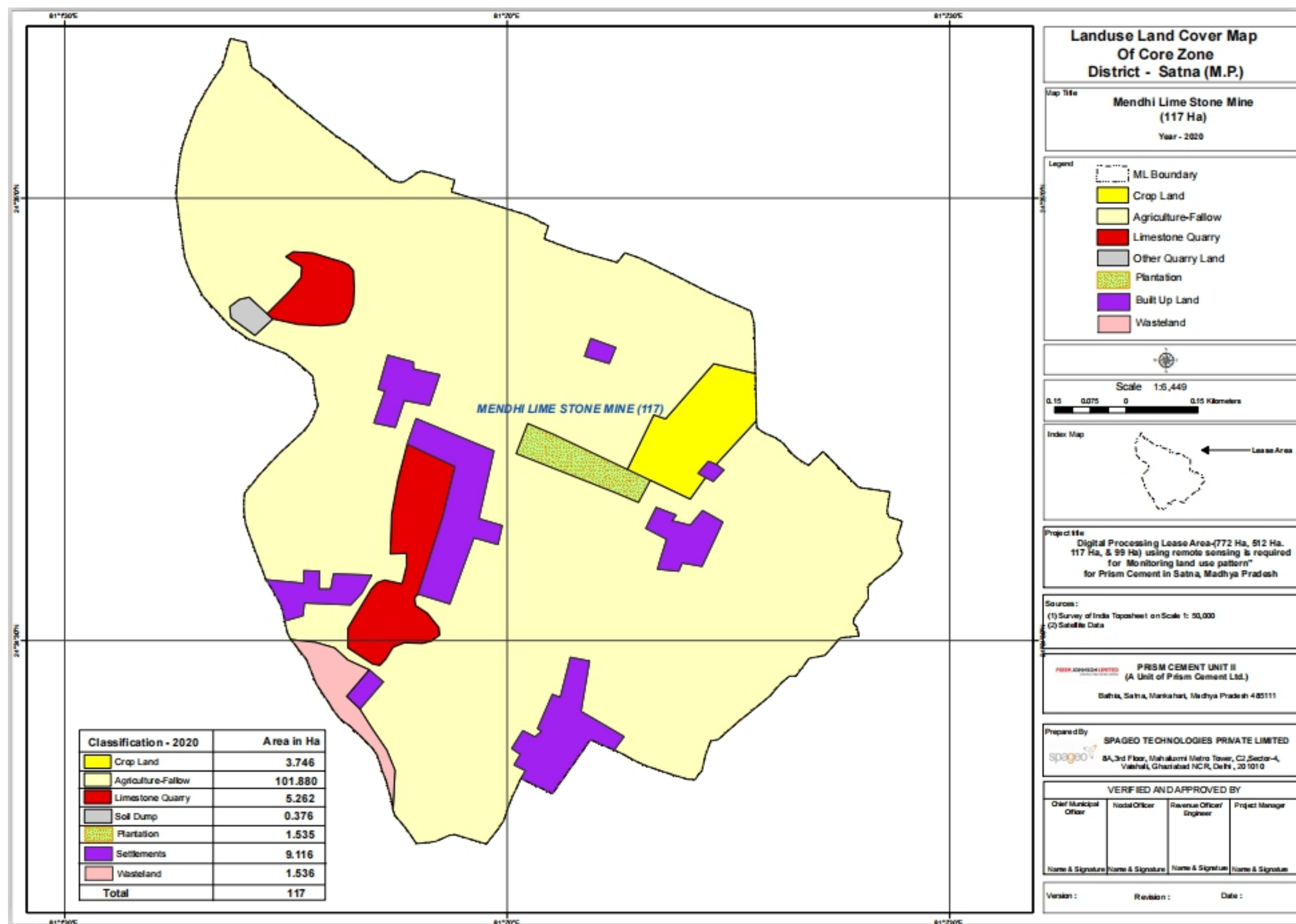


Fig:-3 Mendhi Lime stone Mine Land use Details 2020 (117 Ha.)

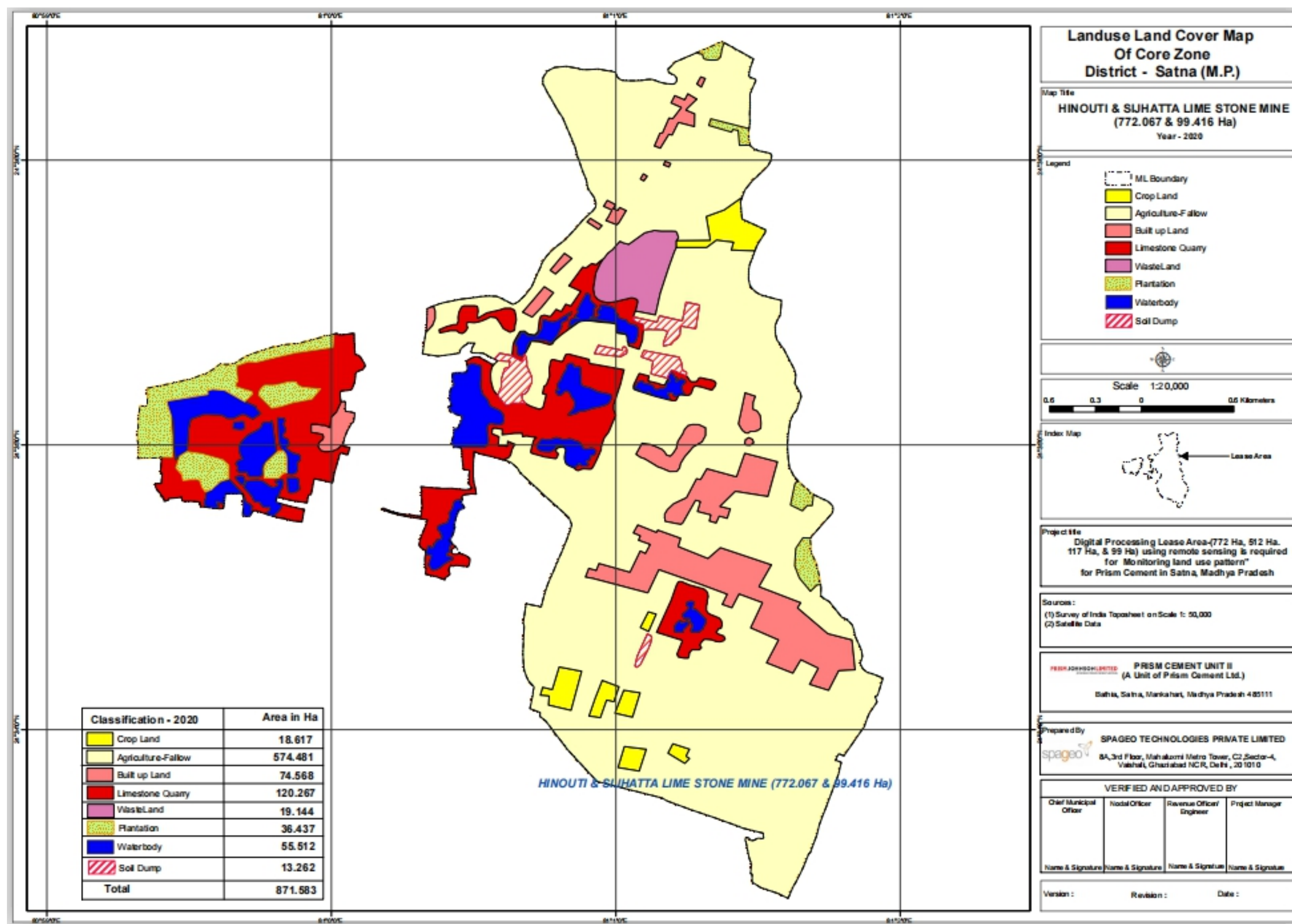


Fig:- 4 Hinouti & Sijhatta Lime stone Mine Land use Details 2020 (772.067 & 99.416)



STATUS OF COMMITMENTS MADE DURING PUBLIC HEARING HELD 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	<p>a) Admission on merit and free of fee for admission</p> <p>b) Plantation to be done from plant gate to Mahuracch Junction</p> <p>c) Street light facility from Plant gate to Mahuracch Junction</p> <p>d) Permanent employment to effected person</p>	<p>Provision for proper facilities will be considered</p> <p>Agreed, plantation will be done during rainy season</p> <p>Work will be taken up by the management as per financial position of the company</p> <p>Employment will be granted as per rules and regulations of company</p>	<p>Admission is given to the students of surrounding villages as per availability of seats and guidelines of the company</p> <p>Plantation is being done on road side and around the Mankahari Pond</p> <p>Few lamp posts have been established and will be extended in phase wise</p> <p>Employment and other facilities are being provided to affected persons</p>
2	'Sarpanch' Village Panchayat – Bathia, Satna	Employment to local villagers of Bamhauri	Employment will be granted as per rules and regulations of company	More than 50% employment has been given to local persons
3	Mithilesh – (student) Bamhauri, Satna	Appeal of Pollution Control in industry	All pollution control acts will be complied with	<p>All due provisions have been made to combat pollution likely to be caused.</p> <ul style="list-style-type: none"> • Details of APCEs are as under 1- Raw mill/ Kiln – Bag House (1) 2- Cooler – ESP (1) 3- Coal Mill – Bag House (1) 4- Cement mills – Bag House (2) 5- 92 Bag filters installed to cover all the transfer points • Arrangement of water sprinkling at crusher hopper and limestone conveyor bet • Water sprinkling on haul roads

				through tankers
4	Mr. Triloki Singh Baghel, Village – Bamhauri, Satna	<p>a) Priority to employment for eligible persons</p> <p>b) Construction of Stadium in the ground of Higher Secondary School</p> <p>c) Permanent water & electricity supply in school</p> <p>d) Admission for village children to Prism Bhawan School</p> <p>e) To & fro School Bus facility to Satna for the students of villages</p> <p>f) Distribution of sports material to Panchayat</p>	<p>Employment will be granted as per rules and regulations of company</p> <p>Action will be taken</p> <p>Adequate action will be taken</p> <p>Admission will be granted as per rules and regulation of company</p> <p>Provision for proper facilities will be considered</p> <p>Adequate action will be taken</p>	<p>Employment is being given to eligible persons as per rules framed by the company</p> <p>Play ground has been rehabilitated. Maintenance is done as per requirement.</p> <p>Water & Electricity supply are available at school</p> <p>Admissions is being given to village students as per availability of seats</p> <p>School bus service has been provided to students of villages for commuting to Satna</p> <p>Study and sports materials are being distributed to village students</p>
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
6	Mr. Ajit Khureshi, National Civil Human Right Association, Country Head Qtr Delhi, Camp Satna	19 point comments raised on pollution	All pollution control acts will be complied with	<p>All due provisions have been made to combat pollution likely to be caused.</p> <ul style="list-style-type: none"> Details of APCEs are as under <p>1- Raw mill/ Kiln – Bag House (1)</p> <p>2- Cooler – ESP (1)</p> <p>3- Coal Mill – Bag House (1)</p> <p>4- Cement mills – Bag House (2)</p> <p>5- 90 Bag filters installed to cover</p>

				all the transfer points <ul style="list-style-type: none"> • Arrangement of water sprinkling at crusher hopper and limestone conveyor belt • Water sprinkling on haul roads through tankers
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 and regulations of company	Employment is being provided to affected villagers. More than 50% employment has been given to local persons
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	All the efforts are being done to control the pollution
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	Improving green cover in and around plant premises is always company's utmost priority. Saplings are also distributed to village students to promote plantation & to make awareness. Villagers seeking medical attention have also easy access to medical centre of prism cement plant. Apart from this, free medical camps are also being regularly organised in nearby villages. Employment is also being given as

				per rules of the company
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	Plantation is in continuous practice. Saplings are also distributed to villagers.
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 their consent to established the industry	Thanks & agreed	----
16	Mr. Girija Prasad Tiwari & Others, Village Panchayat Bagahai	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	Plantation is in continuous practice. Saplings are also distributed to villagers. Villagers seeking medical attention have also easy access to medical centre of prism cement plant. Apart from this, free medical camps are also being regularly organised in nearby villages. Study materials, bags, uniforms etc are being distributed to the students of nearby villages. Free drinking water is being supplied through tankers during summer season as per requirement Renovation of Jabala Baba temple, construction of Ghat and Yagya Shala has been done by the company.



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

RED-MEDIUM

CCA-Renewal
Validity W/A: 30/06/2024

CONSENT NO: ***

PCB ID: 13880

Outward No:117713,17/03/2023

Consent No:AW-57872

To,
The Occupier,
M/s. Prism Johnson Ltd. (Cement Division Unit- II),
Village Mankahari, P. O. Bathia,
Tal : Rampur Baghelan, Dist : Satna - 485111 (M.P.)

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 Consent to Operate Application Receipt No. 1260674 Dt. 19/02/2023 and last communication received on Dt. 23/02/2023

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent **up to 30/06/2024**, subject to the fulfillment of the terms & conditions incorporated in the Consent No:AWH-56533 issued vide outward No:116260 dated 19/08/2022 and as enclosed with this letter.

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Village Mankahari, P. O. Bathia, Tal : Rampur Baghelan, Dist : Satna - 485111 (M.P.)
b. The capital investment : Rs. 1328 Crore
c. Product & Production Capacity:

Product	Production Quantity / year
Cement	6.7 MTPA
Clinker	3.0 MTPA
Generation of Electricity for captive use by DG-Set	6.0 MWH

Note:- For any change in above industry shall obtain fresh consent from the board.

The Validity of the consent is **up to 30/06/2024** 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. 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 : Chandra
Mohan Thakur,IAS
Date: 17/03/2023 11:46:43 AM

CHANDRA MOHAN THAKUR
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 8EF114AN39



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 0.000 KL/day and the daily quantity of sewage of the unit shall not exceed 200.000 KL/day

2. Sewage Treatment :- The applicant shall provide appropriate treatment system and same shall be maintained 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 ₅ Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform (FC) MPN	Not exceed	1000

Note: Reuse/Recycling of treated effluent shall be encouraged and in cases where part of the treated effluent is reused and recycled involving possibility of human contact, standards as specified above shall apply.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 1290.000	WWG : 200.000	Water Source
1	Cooling Water	1000.000	0.000	Mine Water
2	Domestic Purpose	290.000	200.000	Borewell

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. 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

5. 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

6. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line through the link “Periodic Compliances” provided on XGN.

7. 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.

8. 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.

9. Industry management shall submit the information on line through the link “Periodic Compliances” provided on XGN in reference to compliance of consent conditions.

Additional Water condition:-

1. Industry shall maintain Zero liquid Discharge condition throughout the operation by recycling & reusing the treated effluent within the premises.

2. The storm water shall not be allowed to mix with effluent, treated sewage, scrubber water and/ or floor washing. The storm water within boundary limits of industry shall be channelized through separate drains as per natural gradient passing through high density polyethylene pits each having holding capacity of 10 minutes of rainfall for its catchment.

Consent No:AW-57872

**CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height(mtrs)	Fuel	Control equipment 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	6 MWH	58	F.O.	Acoustic enclosure	100,150,710
Raw Mill Kiln	--	110	Coal/Pet coke	Bag Filter	30,700,800

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/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

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. All 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 within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

Additional Air condition:-

- Industry shall write its name on the top of stack at the height visible from the nearby locations with heat resistant paint.
- 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 maintain the pneumatic system for the handling of AFR.
- 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.



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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.
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.
3. This consent 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. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month
6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 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 fee, if any shall be recoverable by the Board even at a later date.
8. 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.
9. 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.
10. 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.
11. 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 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.
2. The industry shall install "Outdoor HD Industrial grade IP (Internet Protocol) cameras with Pan-Tilt-Zoom (PTZ) feature, minimum focal length 30X with night vision facility and tamper proof mechanism" at suitable locations to display all emission sources and effluent discharge points and connect the same with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal for remote surveillance.
3. 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.
4. The industry shall strictly comply with directions issued by CPCB/SPCB/MoEFCC/Hon'ble NGT from time to time.

Renewal of Consent as required under the Water (Prevention & Control of Pollution) Act, 1974 and 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 (operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous

 Sending from UIDAI Server
Digitally Sign with Aadhaar

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 8EF114AN39


CHANDRA MOHAN THAKUR
Member Secretary

Consent No:AW-57872



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: 19633

Outward No:118930,27/09/2023

Consent No:AW-58961

To,
The Occupier,
M/s. Prism Johson Ltd. Lime Stone Mines (Hinauti,Saijahat Area 99.416 Hect.),
Village- Hinauti, Saijahata II, Tehsil- Rampur Baghelan,
Dist. -Satna (M.P.)Latitude : 24.3322 Longitude : 80.5924

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. 1299929 Dt. 28/08/2023 and last communication received on Dt.10.09.2023

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 **31/01/2025**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Village- Hinauti, Saijahata II, Tehsil- Rampur Baghelan, Dist. -Satna, (M.P.)
b. Mining Lease area: 99.416 ha
c. Product & Production Capacity:

Activity / Product	Qty / year
Mining Of Limestone	75,000 Metric Tons Per Year

- (1) For any change in above industry shall obtain fresh consent from the Board.
- (2) 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 22.12.2021 & 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.
- (3) PP shall ensure that area within 50 meters from kachcha road & within 200 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. PP shall prepare & get approval for the mining plan from the Competent Authority as per above stated requirement.
- (4) 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 ; when there is no blasting & for blasting involving cases this distance shall be 200 meters. 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.
- (5) 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.
- (6) 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.
- (7) 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 **31/01/2025** 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.
3. Regional officer, Regional office, MPPCB, Satna (M.P.)

Signature Not Verified

Digitally Signed by : Chandra Mohan Thakur,IAS

Date: 27/09/2023 10:34:13 AM

CHANDRA MOHAN THAKUR
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # P9BJPS6N9I



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 0.000 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 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 ₃ 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 : 12.000	WWG : 0.600	Water Source	Remark
1	Domestic Purpose	1.000	0.600	Borewell	Sewage treated through STP / Septic tank Soak pit.
2	Spray in Mines/plantations	11.000	0.000	Other	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

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-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- 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.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

Consent No:AW-58961



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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:
 - (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.

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 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.

12. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

13. 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, Shell fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

14. 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.

15. 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.

16. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

17. The mine management shall maintain zero discharge condition.

18. Mine management shall made arrangements for ground water recharge.

19 Mine management shall ensure that the silt shall not flow to the nearby water body.

Consent No:AW-58961



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 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 ₂ /NO _x (Time weighted Average)* (µg/Nm ³)
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:

- a. Particulate Matter (less than 10 micron) - 100 µg/m³ (PM₁₀ µg/m³ 24 hrs. basis)
- b. Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM_{2.5} µg/m³ 24 hrs. basis)
- c. Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- d. Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- e. Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

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 demarcate a barrier zone of 7.50 meter which shall be developed as green belt.

9. 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 ensure online connectivity of CAAQMS station to central server of MP PCB installed at ESC Bhopal.

10. Mine management shall construct pucca approach road.

11. Dense plantation shall be carried out all around the quarry lease area as per environmental clearance condition.

12. Proper & regular maintenance of the vehicles shall be under taken to suppress the frictional noise

13. Transportation shall be done through covered vehicle.

14. Transportation should not be done through residential or forest area.

15. Fixed type of water sprinkle system shall be provided on haul road

16. Mine management shall practice regular compaction loose material of haulage road to reduce the emission of fugitive emission.

17. Vehicle used for the transportation of minerals/material shall be PU certified and shall be properly maintained to reduce noise

Consent No:AW-58961



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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:

- 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.

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 :

- (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.

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 conditions:-

1. The mine management shall perform the mining activity as per the approved mining plan.
2. Rain water harvesting shall be undertaken to recharge ground water source. In case any adverse effect on ground water quality and quantity is observed, mining shall be stopped and resumed only after applying mitigating steps to restore the same.
3. The Mine Management shall construct Garland drain with settling tanks and stone pitching all around. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
4. The mine management shall regularly monitor the ground and surface water (if any) in and near the core zone for contamination and depletion due to mining activity and maintain the records.

Consent No:AW-58961



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

5. The mine management shall take preventive measures to control fugitive emission from all the sources. Water spraying arrangement on haul roads, loading, unloading and at transfer points shall be provided and properly maintained.
6. 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. Top soil shall be separately stacked for biological reclamation and shall not be stacked along with over burden.
7. The mine management shall stack the over burden at earmarked dump site(s) only. Keeping maximum height of dump as 20 m and overall slope as 35° filled. The Over Burden dumps shall be backfilled and scientifically vegetated with suitable native species to prevent erosion and surface runoff.
8. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
9. Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms.
10. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
11. Extensive tree plantation shall be carried out in open area available within and around the mine premises, along approach road, mineral transportation road and also on the over burden dumps in consultation with expert agency. Thick plantation in 3 rows in 7.5 meter wide strip at mine boundary shall be developed in time bound manner.
12. The 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 management shall provide fencing all around the lease area to prevent accident hazard due to open pits.
14. The mine management shall comply with the conditions of Environmental clearance pertaining to pollution control.
15. The mine management shall provide the safety equipments like Helmets, Boots, Gloves, Masks, and Earplug etc. to workers & ensure that workers will use them during mining activity
16. The mine management shall ensure the compliance of conditions of environmental clearance.
17. The mine Management shall comply with all the relevant Acts/Rules, directions, guide lines issued by MoEF /CPCB /MPPCB from time to time as required and, if applicable.
- 18.. 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.
19. 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



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # P9BJPS6N9I

CHANDRA MOHAN THAKUR
Member Secretary

Consent No:AW-58961



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: 19436

Outward No:119082,26/10/2023

Consent No:AW-59098

To,
The Occupier,
M/s. Prism Cement Ltd. Lime Stone Mines Village Hinouti Sijahata Area 253.326 Hect,
Village - Hinouti Sijahata, Tehsil - Rampur Baghelan,
Dist. - Satna (M.P.) Latitude : 24.3457 Longitude : 80.5924

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. 1301042 Dt. 20/09/2023 and last communication received on Dt.29.09.2023

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 **28/02/2025**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Village - Hinouti Sijahata, Tehsil - Rampur Baghelan, Dist. - Satna (M.P.)
b. Mining Lease area: 253.326 ha
c. Product & Production Capacity:

Activity / Product	Qty / year
Mining of Limestone	21,75,000 Metric Ton Per Year

- (1) For any change in above industry shall obtain fresh consent from the Board.
- (2) 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 vide letter No. RMP-10/2020-21 dated 28.07.2021 & in compliance of the conditions laid in EC granted by MoEF&CC, GOI New Delhi vide No. J-11015/37/96-IA.(M) dated 31.12.1996. PP shall obtain revised EC as per the provisions of EIA notification 2006 within 1 year time.
- (3) PP shall ensure that area within 50 meters from kachcha road & within 200 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. PP shall prepare & get approval for the mining plan from the Competent Authority as per above stated requirement.
- (4) 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 ; when there is no blasting & for blasting involving cases this distance shall be 200 meters. 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.
- (5) 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.
- (6) 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.
- (7) 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 **28/02/2025** 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 : Chandra Mohan Thakur,IAS
Date: 26/10/2023 12:30:23 PM

Chandra Mohan Thakur

CHANDRA MOHAN THAKUR
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 7E68GDI499



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 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 0.500 KL/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	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 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.			

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 : 221.000	WWG : 0.500	Water Source	Remark
1	Domestic	5.000	0.500	Borewell, Other	Treated in septic tank soak pit
2	Industrial / Mine spraying	216.000	0.000	Mine Water	Rainy water stored in mine sump

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 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.
- 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.

Consent No:AW-59098



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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:
 - (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.

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 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.

12. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

13. 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, Shell fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

14. 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.

15. 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.

16. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

17. The mine management shall maintain zero discharge condition.

18. Mine management shall made arrangements for ground water recharge.

19. Mine management shall ensure that the silt shall not flow to the nearby water body.

Consent No:AW-59098



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 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 ₂ /NO _x (Time weighted Average)* (µg/Nm ³)
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:

- a. Particulate Matter (less than 10 micron) - 100 µg/m³ (PM₁₀ µg/m³ 24 hrs. basis)
- b. Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM_{2.5} µg/m³ 24 hrs. basis)
- c. Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- d. Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- e. Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

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 demarcate a barrier zone of 7.50 meter and develop it as green belt.

9. 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 ensure online connectivity to CAAQMS station to MPPCB.

10. Mine management shall construct pucca approach road.

11. Dense plantation shall be carried out all around the quarry lease area as per environmental clearance condition.

12. Proper & regular maintenance of the vehicles shall be under taken to suppress the frictional noise

13. Transportation shall be done through covered vehicle.

14. Transportation should not be done through forest area.

15. Fixed type of water sprinkle system shall be provided on haul road.

16. Mine management shall practice regular compaction loose material of haulage road to reduce the emission of fugitive emission.

17. Vehicle used for the transportation of minerals / material shall be PU certified and shall be properly maintained to reduce noise.

Consent No:AW-59098



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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 begs 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:-

- The mine management shall perform the mining activity as per the approved mining plan.
- Rain water harvesting shall be undertaken to recharge ground water source. In case any adverse effect on ground water quality and quantity is observed, mining shall be stopped and resumed only after applying mitigating steps to restore the same.
- The Mine Management shall construct Garland drain with stone pitching all around , and with settling tank .Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.

Consent No:AW-59098



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

4. The mine management shall regularly monitor the ground and surface water (if any) in and near the core zone for contamination and depletion due to mining activity and maintain the records.
5. The mine management shall take preventive measures to control fugitive emission from all the sources. Water spraying arrangement on haul roads, loading, unloading and at transfer points shall be provided and properly maintained.
6. 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. Top soil shall be separately stacked for biological reclamation and shall not be stacked along with over burden.
7. The mine management shall stack the over burden at earmarked dump site(s) only. Keeping maximum height of dump as 20 m and overall slope as 350 filled. The Over Burden dumps shall be backfilled and scientifically vegetated with suitable native species to prevent erosion and surface runoff.
8. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
9. 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.
10. Extensive tree plantation shall be carried out in open area available within and around the mine premises, along approach road, mineral transportation road and also on the over burden dumps in consultation with expert agency. Thick plantation in 3 rows in 7.5 meter wide strip at mine boundary shall be developed in time bound manner.
11. The mine Management shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
12. Mine management shall provide fencing all around the lease area to prevent accident hazard due to open pits.
13. The mine management shall comply with the conditions of Environmental clearance pertaining to pollution control.
14. The mine management shall provide the safety equipments like Helmets, Boots, Gloves, Masks, and Earplug etc. to workers & ensure that workers will use them during mining activity.
15. The mine management shall ensure the compliance of conditions of environmental clearance.
16. The mine Management shall comply with all the relevant Acts/Rules, directions, guide lines issued by MoEF /CPCB /MPPCB from time to time as required and, if applicable.
17. 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.
18. 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



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 7E68GDI499

CHANDRA MOHAN THAKUR
Member Secretary

Consent No:AW-59098



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-Expansion

CONSENT NO: ***

PCB ID: 19635

Outward No:118681,11/08/2023

Consent No:AW-58741

To,
The Occupier,
M/s. Prism Johnson Ltd., Bagahai Lime Stone Mines, Area 512.317 Hect.,
Village- Bagahai, Tehsil- Raghuraj Nagar,
District-Satna (M.P.) Latitude : 24.5772 Longitude : 81.0336

Subject: Grant 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: Consent to Operate Application R. No. 1298094 Dt. 10/07/2023 and last communication received on Dt. 14/07/2023

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 30/06/2024, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

a. Location: Area: 512.317 ha., Village- Bagahai, Tehsil- Raghuraj Nagar, District-Satna (M.P.)

b. Mining Lease area: 512.317 ha

c. Product & Production Capacity:

Product / Activity	Qty / year
Mining of Limestone (For Expansion)	1.3 Million TPA to 5.0 Million TPA,

- (1) For any change in above industry shall obtain fresh consent from the Board.
- (2) 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 vide letter No. RMP-57/ 2020-21 dated 09.04.2021 and mining shall be done in compliance of the conditions laid in EC granted by MoEF & CC vide letter No. J-11011/25/2019/IA-II(I) dated 15.05.2023.
- (3) PP shall ensure that before exceeding the existing production capacity of 1.3 MTPA, Following Specific measures shall be implemented in not later than 4 months from date of issue of this letter-- (a) Installation of 0.5 km long permanent water spraying / sprinkling system along Main haul road in 3 months time. (b) PP to provide 10 no. additional fogging machines having minimum throw of 40 meters along with increase of the production in 4 months time. (c) Plantations @ 15562 no. in remaining 6.225 hect. green belt area to be developed in 4 months time. (d) Plantations in remaining 60.09 Hact. safety zone area to be developed in next 5 year period .PP shall implement the submitted year wise plantation program in true spirit. (e) 92.28 Hact. Backfilled area to be brought under plantation by planting 2,30,700 plants in next 5 year period that is by July 2028, as per approved mining plan. (f) Bench plantations total 53,442 no. in 21.337 hect. area shall be developed in next 2 year period that is by July 2025. (g) Construction of garland drain around soil dump & stone pitching of all the garland drains to be done in 4 months time. (h) 1 no. Continuous online ambient air quality monitoring station (CAAQMS) with online connectivity to MPPCB Main server to be installed in 4 months time. (i) Digital Mapping of entire mine area in every 3 years is to be done & first such report shall be submitted to the Board in 4 months time.
- (4) PP shall ensure that solid waste generated during mining process shall be stacked at earmarked site which shall be surrounded by garland drains properly & 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.
- (5) PP shall provide pucca (Concreted/Ashphalted) approach road from main road to the mine site & ensure thick plantation on both side of this road . (6) 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.

The Validity of the consent is up to 30/06/2024 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 : Chandra
Mohan Thakur IAS
Date: 11/08/2023 05:11:59 PM

CHANDRA MOHAN THAKUR
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 51W7311522



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 sewage shall not exceed 03.0 KL/day & it shall be treated through Septic tank Soak pit.

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	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD 3 Days 270C	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 facility to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 270C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
pH	Between	5.5 – 9.0
pH	Between	5.5 – 9.0

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 90.000	WWG : 5.000	Water Source	Remark
1	Domestic Purpose	10.000	3.000	Borewell	Eff. treated through Septic tank Soak pit
2	Spray in Mines/Plantation	80.000	2.000	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 devolvment/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 specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

8. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- 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.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

Consent No:AW-58741



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:
 - (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.

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 neither 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.

12. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

13. 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.

14. 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.

15. 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.

16. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

PP shall ensure that before exceeding the existing production capacity of 1.3 MTPA, Following Specific measures shall be implemented in not later than 4 months from date of issue of this letter-- (a) Installation of 0.5 km long permanent water spraying / sprinkling system along Main haul road in 3 months time. (b) PP to provide 10 no. additional fogging machines having minimum throw of 40 meters along with increase of the production in 4 months time. (c) Plantations @ 15562 no. in remaining 6.225 hect. green belt area to be developed in 4 months time. (d) Plantations in remaining 60.09 Hact. safety zone area to be developed in next 5 year period .PP shall implement the submitted year wise plantation program in true spirit. (e) 92.28 Hact. Backfilled area to be brought under plantation by planting 2,30,700 plants in next 5 year period that is by July 2028, as per approved mining plan. (f) Bench plantations total 53,442 no. in 21.337 hect. area shall be developed in next 2 year period that is by July 2025. (g) Construction of garland drain around soil dump & stone pitching of all the garland drains to be done in 4 months time. (h) 1 no. Continuous online ambient air quality monitoring station (CAAQMS) with online connectivity to MPPCB Main server to be installed in 4 months time. (j) Digital Mapping of entire mine area in every 3 years is to be done & first such report shall be submitted to the Board in 4 months time.

Consent No:AW-58741



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 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 ₂ /NO _x (Time weighted Average)* (µg/Nm ³)
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/m³ (PM₁₀ µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM_{2.5} µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

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 demarcate a barrier zone of 7.50 meter shall be developed as green belt.

9. 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 online connectivity to CAAQMS station to MPPCB.

10. Mine management shall construct pucca approach road. 4. Dense plantation shall be carried out all around the quarry lease area as per environmental clearance condition.

11. Proper & regular maintenance of the vehicles shall be under taken to suppress the frictional noise.

12. Transportation shall be done through covered vehicle.

13. Transportation should not be done through forest area.

14. Fixed type of water sprinkler system shall be provided on haul road.

15. Mine management shall practice regular compaction loose material of haulage road to reduce the emission of fugitive emission.

16. Vehicle used for the transportation of minerals / material shall be PU certified and shall be properly maintained to reduce the noise.

Consent No:AW-58741



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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 begs 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 or 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:-

- Mining shall be executed as per the approved mining plan.
- 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.
- 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.
- Mine management shall demarcate a barrier zone as no mining zone in the periphery of mining lease area and developed a green belt.
- Overburden dumps shall be stored at the earmarked location along with proper stabilization arrangements and retaining wall. Maximum height of the OB dumps shall not exceed 20 meters and each stage shall be of 10 meters height with slope of shall not exceed 35°. 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.

Consent No:AW-58741



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

6. Mine Management shall construct Garland drain of appropriate length with size with stone pitching all around, and sump capacity of appropriate size with settling tanks. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals
7. 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. The mine shall take effective steps for safe and scientific reclamation of over Burdon steps shall be taken to keep the geological structure in the natural form by biological reclamation of mines.
8. Mine management shall provide artificial recharger measures, rain water harvesting system.
9. Mine management shall provide fencing all around the lease area to prevent the accident hazard.
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. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
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 management shall ensure the compliance of conditions of Environmental clearance.
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

CHANDRA MOHAN THAKUR
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 51W7311522

Consent No:AW-58741



VIBRANT

"Experience the unimaginable"

TEST REPORT



TC-11227

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

Report No. : VTL/WW/2306170003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Parameter Required : As per work Order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.55	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	35.0	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1020.0	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): 1993, RA: 2019	16.0	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	48.1	mg/l	250

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

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

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 & Address of the Party :

Sample Description : Waste Water

Sampling Location : Mine Workshop

Sample Collected By : VTL Team

Report No. : VTL/WW/2306170003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Parameter Required : As per work Order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	IS 1622, 2009	28.0		--

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

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

Sample Number : VTL/WW/04

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 Work Shop

Sample Collected By : VTL Team

Coordinates : 81.998838 & 24.564754

ULR No. : TC1122723000000168F

Report No. : VTL/WW/2309140004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

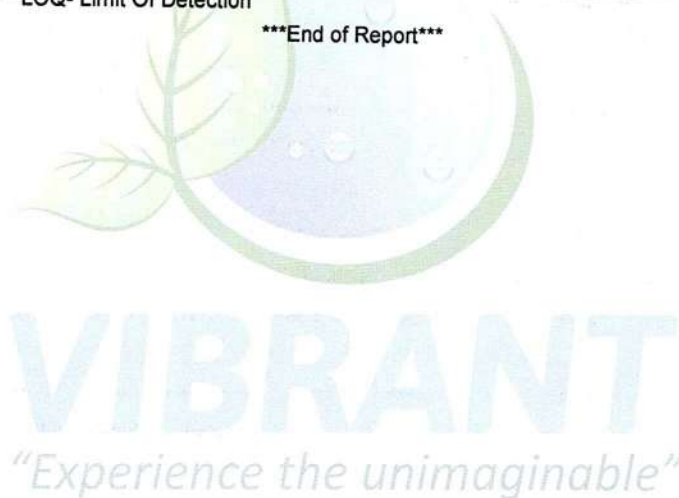
Sampling Date : 12/09/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.57	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	32.0	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1148.0	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): 1993, RA: 2019	17.0	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	52.0	mg/l	250

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



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

Page No. 1/1

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 : VTLWW/04

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 Work Shop

Sample Collected By : VTL Team

Coordinates : 81.998838 & 24.564754

Report No. : VTLWW/2309140004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	IS 1622, 2009	25.0	MPN/100 ml	<1000

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



VIBRANT
"Experience the unimaginable"



Checked by



RK Yadav

Lab Incharge

Authorized Signatory

Approved & Certified

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

Page No. 1/1

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

Deotale Diagnostic Centre (we care)

Consultation Diagnostics Health Check- Ups Immunization.
 Clinic: Vinayak Apt. 3rd floor Dhanoli Lokmat Chowk Nagpur
 For any assistance call at . 9860204241
 Email ID : deotaledeepak19577@gmail.com

MEDICAL CHECK-UP

SR.NO	100
TEST NO	103
Emp Code	103121
Department	Mines
Designation	
Mobile NO	
Contractor Name	Baghai
CHECK-UP DATE	14-11-22

EMPLOYEES NAME: Pankaj Mishra

Gender: Male	Age : 43 Yrs	Ht: 176 cms	Wt: 81 Kg
BMI: 26.15	Chest : 89 Inch / Inspiration	Chest : 86 Inch / Expiration	

Company Address: Prism Johnson Limited Cement Division Village : Mankahari
 P.O. Bathia Tehsil : Rampur Baghelan Dist : Satna Madhya Pradesh Pin : 485111

Personal H/O: ALCOHOL:NO TABACCO:NO SMOKING:NO GUTKHA:NO

General Exam: - Good	BP : 114/74 mmHg	Pulse : 107 /min
----------------------	------------------	------------------

C.V.S.: N R/S : N CNS: N SP/LIVER : N/P

BLOOD TEST

Random Blood Sugar: 122mg/dl	Blood Group : A+ve	Hb %: 13.3 gm/dl	ESR: 4 MM/Hr
TLC: 6400 /Cumm	N: 76 %	L: 22 %	E: 1 % M: 1 %
S. Cholesterol: 162mg/dl	Triglyceride: 152 mg/dl	HDL: 46 mg/dl	
LDL: 85.6 mg/dl	VLDL: 30.4 mg/dl	CHO/HDL Ratio: 3.5	
SGOT : 22 IU/L	SGPT : 30 IU/L	Sr. Creatinine: 1.1 mg/dl	Sr. UREA : 30 mg/dl
Urine Pus Cell : NIL	Urine ALB : NIL	Urine Sugar : NIL	

ECG : WNL	Colour-blindness : NO
X-RAY : WNL	SPIROMETRY : WNL
AUDIOMETRY : RT . WNL	AUDIOMETRY: LF . WNL
Vision:	Unaided Dist. Rt - 6/60
	Unaided Near Rt - N/6
	With Spect Dist . Rt -
	With Spect Near . Rt -
	Unaided Dist. Lf - 6/18
	Unaided Near Lf - N/6
	With Spect Dist . LF -
	With Spect Near . LF -

MEDICAL CHECK UP : NORMAL

Refractive error can be corrected by spectacle

Opinion: He is physically & mentally fit. He is not suffering from any infectious or contagious diseases

Dr. Deepak D. Deotale
 MBBS, A.F.I.C.
 DR. DEEPAK DEOTALE
 M.B.B.S. A.F.I.C. (Reg. No. 483661)

Report of medical examination under rule 29B (To be issued in triplicate)

** Certificate No. Certified that Shri/Shrimati* Pankaj Mishra
employed as Shift Incharge In Bengaluru mine,
Form B No. 182 has been examined for an initial/periodical medical
examination. He/she* appears to be 44 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.

Space for affixing
Passport
Size Photograph
of the
Candidate.

Dr. Deepak Deotale
MBBS, AFM
Reg. No: 47166

Place : MHBT
Date : 14/11/2022

Signature of the examining authority
Name and designation in Block letters

* 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. as result of medical examination on

Identification Mark

Left thumb impression of the candidate

1. General development- Good/Fair/Poor

2. Height 176 Cms.

3. Weight 81 kg.

4. Eyes : (i) Visual acuity-Distant vision (with or without glasses).

Right eye... 6/10...

Left eye... 6/10...

(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

5. Ears : Hearing : Right ear... CONL Left ear... CONL

Any organic diseases. NO

6. Respiratory system. Chest measurement : (i) After full inspiration 99 cms.

(ii) After full expiration 85 cms.

7. Circulatory system: (i) Blood Pressure 112/83 (ii) Pulse 107 bpm

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 : Normal

11. Skin. : N

12. Hydrocele. : NO

13. Hernia. : NO

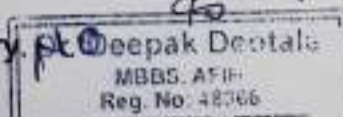
14. Any other abnormality : NO

15. Urine : Reaction. NO
Albumin. NO
Sugar. NO

16. Skiagram of chest. : Normal

17. Any other test considered necessary by the examining authority. : NO

18. Any opinion of specialist considered necessary. NO



Signature of the examining authority

Place:

Report of Medical Examination under Mines Rule 29B
(To be used in continuation with Form O)

Certificate No.

Name : *Pankaj Mishra*

Identification Marks: *cut mark on R/H Nail Thumb*

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	<i>03.64</i>	<i>03.20</i>	<i>090</i>
Forced Vital Capacity FEV1	<i>02.45</i>	<i>02.86</i>	<i>892</i>
FEV 1/ FVC	<i>81.04</i>	<i>87.20</i>	<i>108</i>
Peak Expiratory Flow	<i>09.06</i>	<i>03.80</i>	<i>042</i>

Spirometry Report enclosed.

Dr. Deepak Dotalo
MBBS, A101
Reg. No: 49106

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.

Name : *Pankaj Mishra*

Identification Marks: *cut mark on R/H Nail thumb*

1. Cardiological Assessment

Auscultation	S1 <i>Normal</i>	Performed Value	% of Predicted
	S2 <i>Normal</i>		
	Additional Sound <i>NO</i>		
FEV1/ FVC		<i>87.20</i>	<i>108</i>
Electrocardiograph(12leads) findings	Normal/Abnormal		

Enclosed ECG

2. Neurological Assessment

Findings	Normal/Abnormal
Superficial Reflexes	<i>Normal</i>
Deep Reflexes	<i>Normal</i>
Peripheral Circulation	<i>Normal</i>
Vibrational Syndromes	<i>Normal</i>

3. ILO Classification of Chest Radiograph

Profusion of Pneumoconiotic Opacities	Grados	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: NLO

Dr. Deepak Desai
MBBS, AFD
Reg. No. 10000

Signature of the Examination Authority
Seal

DEOTALE DIAGNOSTIC CENTER

ECG

P103 / PANKAJ MISHRA / 44 Yrs / M / 81Kgs / Non Smoker

Heart Rate : 107 bpm / Tested On : 14-Nov-22 12:55:14 / HF 0.05 Hz - LF 100 Hz / Notch 50 Hz / Sn 1.00 Cm/mV / Sw 25 mm/s



Allegis ECG (P103) / Deotale

MMS AP-1
Reg. No. 12712

Deotale Diagnostic Centre (we care)

Consultation • Diagnostics Health Check- Ups • Immunization

For Any Appointment, Call: 020-255061, 020-771341, 0712-242400
Email: dr.deotale@deotale.com, 19577@gmail.com

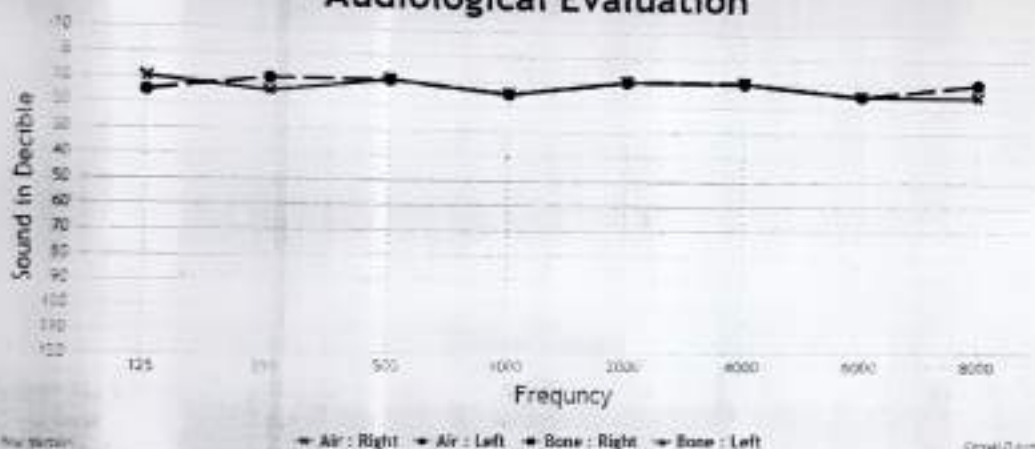
Patient Details

Name: PANKAJ MISHRA
Contact:
Company:
Designation:

Age: 44
Address:
Contractor:
CPF: 103

Sex: Male
Department:
Date: 14-11-22

Audiological Evaluation



TEST FREQUENCY

Air Conduction Test
PTA Right (X)
12.5

PTA Left (•)
11.875

Bone Conduction Test
PTA Right (■)
0

PTA Left (▲)
0

Note: NORMAL

Deotale
Dr. DEEPAK DEOTALE
MBBS APLH (Reg. No. 48)

UR

PANKAJ MISHRA

Age : 44 Years

Gender : Male

Height : 175 Cms

Smoker : No

Weight : 81 Kgs

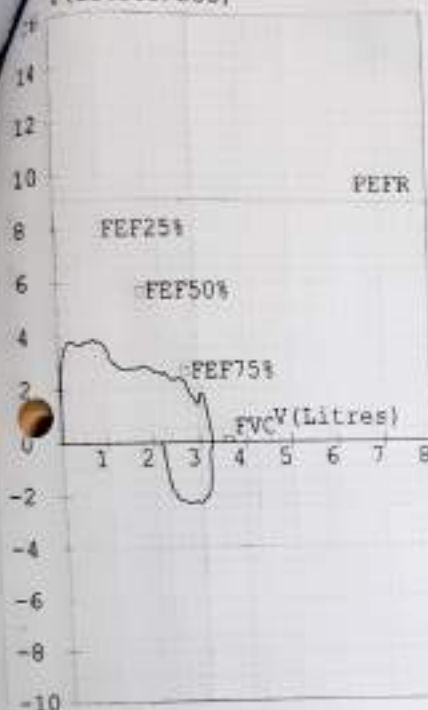
Eth. Corr: 100

ID: 0103

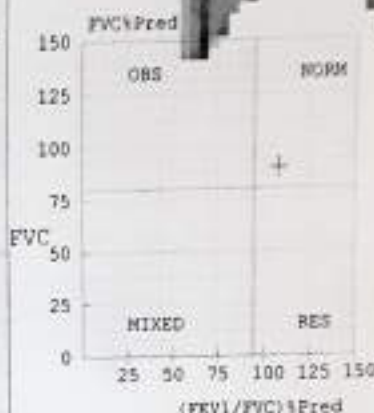
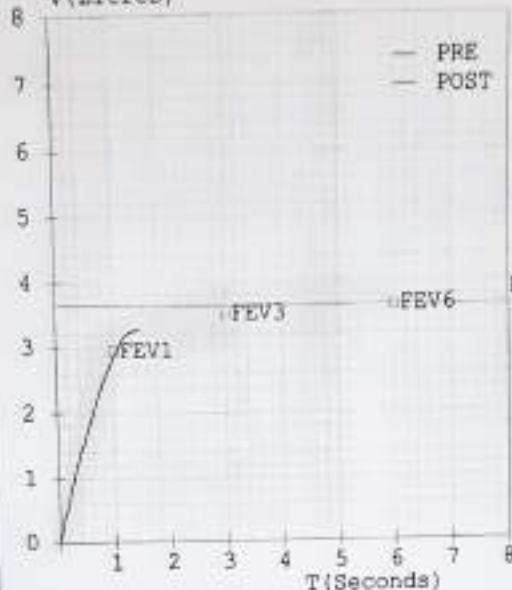
Temp : degrees

14-11-2022 07:46 PM

f(Litres/Sec)



V(Litres)



FVC Results

Parameter	Pred	M. Pre	%Pred	M. Post	%Pred	%Imp
FVC	(L) 03.64	03.28	090	---	---	---
FEV1	(L) 02.95	02.86	097	---	---	---
FEV1/FVC	(%) 81.04	87.20	108	---	---	---
FEF25-75	(L/s) 03.86	02.78	072	---	---	---
PEFR	(L/s) 09.06	03.80	042	---	---	---
FIVC	(L) -----	01.11	---	---	---	---
FEV.5	(L) -----	01.65	---	---	---	---
FEV3	(L) 03.53	03.28	093	---	---	---
PIFR	(L/s) -----	02.31	---	---	---	---
FEF75-85	(L/s) -----	02.14	---	---	---	---
FEF.2-1.2	(L/s) 06.87	03.54	052	---	---	---
FEF 25%	(L/s) 07.98	03.76	047	---	---	---
FEF 50%	(L/s) 05.63	02.72	048	---	---	---
FEF 75%	(L/s) 02.63	02.30	087	---	---	---
FEV.5/FVC	(%) -----	50.30	---	---	---	---
FEV3/FVC	(%) 96.98	100.00	103	---	---	---
FET	(Sec) -----	01.47	---	---	---	---
ExptTime	(Sec) -----	00.08	---	---	---	---
Lung Age (Yrs)	044	045	102	---	---	---
FEV6	(L) 03.64	---	---	---	---	---

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 Doshi

MBBS, AHA
Reg. No. 48216

Deotale Diagnostic (we care)

Consultation Diagnostics Health Check- Ups Immunization.
Clinic: Vinayak Apt. 3rd floor Dhantoli Lokmat Chowk Nagpur
Resi:- 1B, Prashant Nagar Wardha-Road Nagpur
For any assistance call at . 9860204241, 0712-2424868
Email ID : deotaledeepak19577@gmail.com

MEDICAL CHECK-UP

TEST NO	P157
EMP CODE CONT BAR CODE	9745027434
Caterory	
DEPARTMENT	Packing Plant-I
DESIGNATION	
CONTRACTOR NAME	M/s Chaubey & Company
MOB NO	
CHECK-UP DATE	21-03-2023

EMPLOYEES NAME: Satyendra Pal

Gender: M	Age: 21 Yrs	Ht:162cms.	Wt: 60Kg
-----------	-------------	------------	----------

Company Address: Prism Johnson Limited Mankhari Satna (M.P.)

Past H/O : DM / HT / EPILEPSY / ANY DISEASES / ANY OPERATION

Personal H/O : ALCOHOL: TOBACCO: SMOKING: GUTKHA:

General Exam : Teeth : N. / Tonsils : N / Nails : N. / Tongue : N / L. Glands: N.

SPUTUM: ☒ SPIROMETRY: ☒

MEDICAL CHECK - UP:-

Refractive error can be corrected by spectacle

Opinion: He/She is physically & mentally fit. He/She is not suffering from any infectious or contagious disease

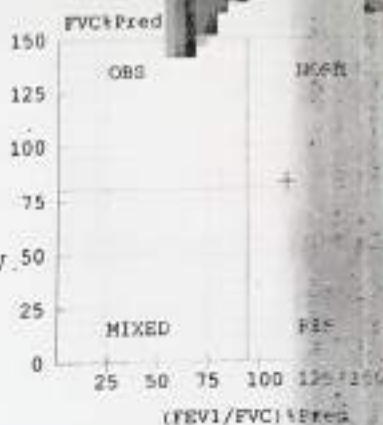
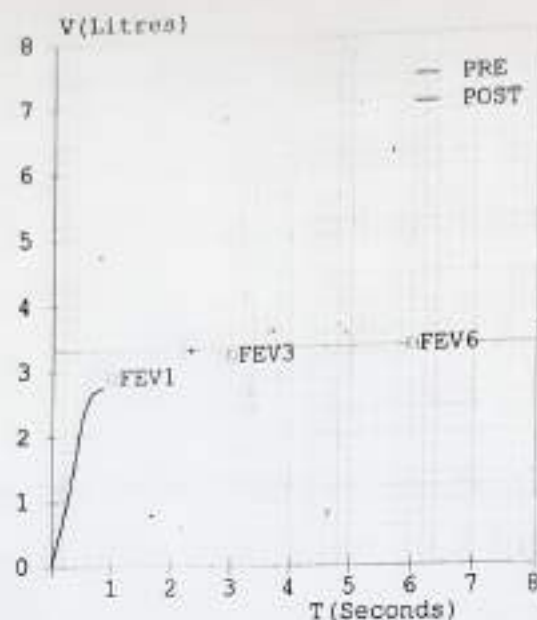
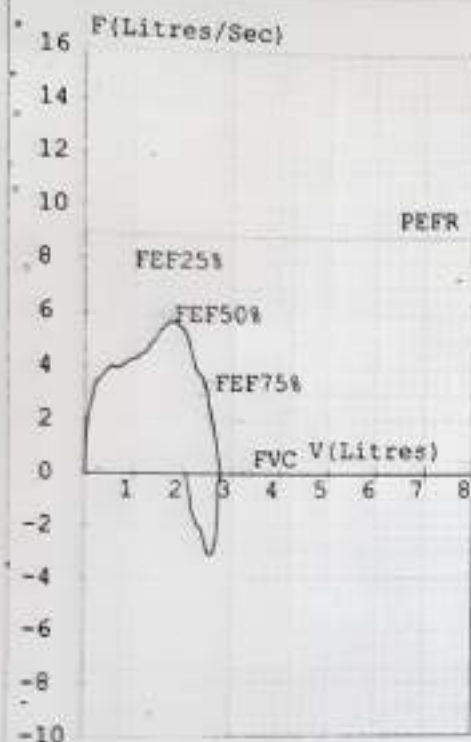

SIGNATURE EMP


DR. DEEPAK DEOTALE
M.B.B.S.A.F.I.H. (Reg.No. 48366)
Dr. Deepak Deotale
MBBS, AFIH
Reg. No. 48366

Patient: satyendra pal
 Refd. By:
 Pred.Eqns: RECORDERS
 Date : 21-03-2023 02:51 PM

Age : 21 Years
 Height : 162 Cms
 Weight : 60 Kgs
 ID: P157

Gender : Male
 Smoker : No
 Eth. Corr: 100
 Temp : degrees



FVC Results

Parameter	Pred	M.Pre%Pred	M.Post %Pred	%Imp
FVC (L)	03.32	02.77	083	---
FEV1 (L)	02.91	02.77	095	---
FEV1/FVC (%)	87.65	100.00	114	---
FEF25-75 (L/s)	04.64	04.77	103	---
PEFR (L/s)	08.95	05.68	063	---
FIVC (L)	---	00.69	---	---
FEV.5 (L)	---	02.24	---	---
FEV3 (L)	03.22	02.77	086	---
PIFR (L/s)	---	03.13	---	---
FEF75-85 (L/s)	---	04.04	---	---
FEF.2-1.2 (L/s)	07.77	03.94	051	---
FEF 25% (L/s)	07.98	03.95	049	---
FEF 50% (L/s)	05.98	04.91	082	---
FEF 75% (L/s)	03.39	05.07	150	---
FEV.5/FVC (%)	---	80.87	---	---
FEV3/FVC (%)	96.99	100.00	103	---
FET (Sec)	---	00.90	---	---
ExptTime (Sec)	---	00.14	---	---
Lung Age (Yrs)	021	022	105	---
FEV6 (L)	03.32	---	---	---

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 FVCAPred > 80.


Dr. Deepak Deotale
 MBBS, AFH
 Reg. No. 48366

Consultation Diagnostics Health Check- Ups Immunization.
Clinic: Vinayak Apt. 3rd floor Dhantoli Lokmat Chowk Nagpur
Res:- 1B, Prashant Nagar Wardha-Road Nagpur
For any assistance call at . 9860204241, 0712-2424868
Email ID : deotaledeepak19577@gmail.com

MEDICAL CHECK-UP

TEST NO	P158
EMP CODE CONT BAR CODE	9745027341
Caterory	
DEPARTMENT	Packing Plant-I
DESIGNATION	
CONTRACTOR NAME	M/s Chaubey & Company
MOB NO	
CHECK-UP DATE	21-03-2023

EMPLOYEES NAME: Rajbhan Kevat

Gender: M Age : 47 Yrs Ht:158cms. Wt: 66Kg

Company Address: Prism Johnson Limited Mankhari Satna (M.P.)

Past H/O : DM / HT / EPLEPSY / ANY DISEASES / ANY OPERATION

Personal H/O : ALCOHOL: TOBACCO: SMOKING: GUTKHA: ✓

General Exam : Teeth : N. / Tonsils : N. / Nails : N. / Tongue : N. / L. Glands: N.

SPUTUM: ✓ SPIROMETRY: ✓

MEDICAL CHECK - UP:-

Refractive error can be corrected by spectacle

Opinion: He/She is physically & mentally fit .He/She is not suffering from any infectious or contagious disease

राजभान केवट
SIGNATURE EMP

DR.DEEPAK DEOTALE
M.B.B.S.A.F.I.H.(Reg.No. 48366)

Dr. Deepak Deotale
MBBS, AFIH
Reg. No. 48366

DEOTALA DIAGNOSTIC CENTER

LOKMAT CHOUK NAGPUR

Patient: Rajbhan Kewat

Refd. By:

Pred.Eqns: RECORDERS

Date : 21-03-2023 02:50 PM

Age : 47 Years

Height : 157 Cms

Weight : 66 Kgs

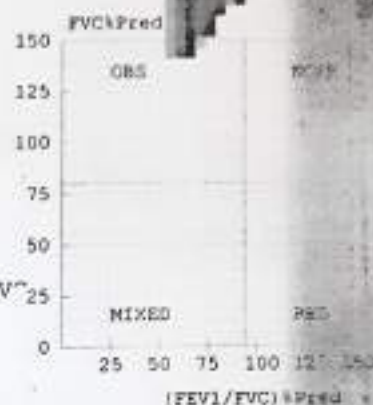
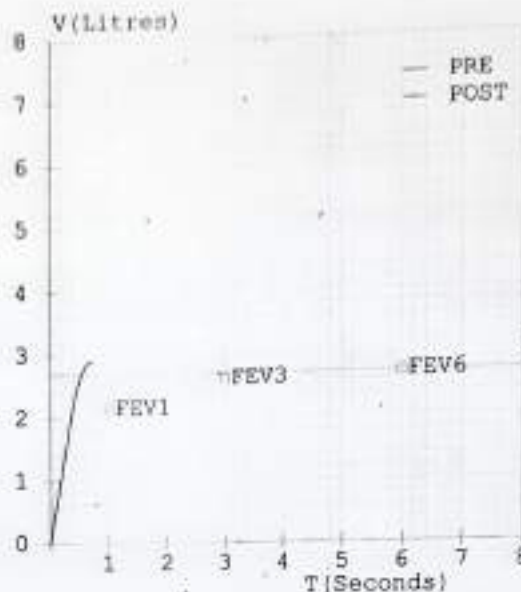
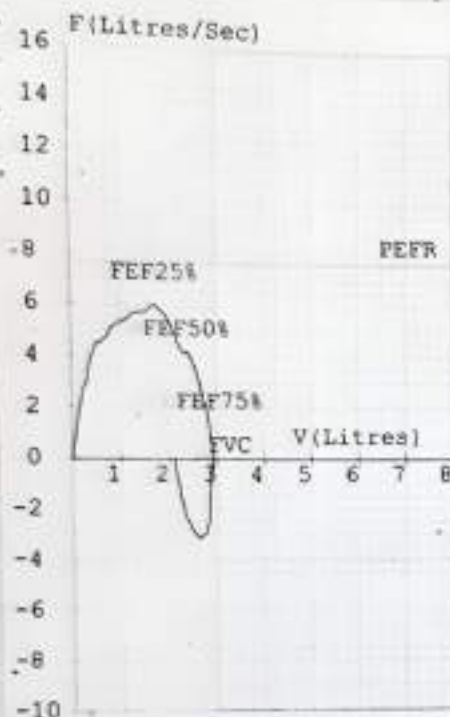
ID: P158

Gender : Male

Smoker : No

Eth. Corr: 100

Temp : degrees



FVC Results

Parameter	Pred	M.Pre%Pred	M.Post %Pred	%Imp
FVC (L)	02.70	02.92 108	-----	---
FEV1 (L)	02.16	02.92 135	-----	---
FEV1/FVC (%)	80.00	100.00 125	-----	---
FEF25-75 (L/s)	03.38	05.40 160	-----	---
PEFR (L/s)	07.68	05.95 077	-----	---
FIVC (L)	-----	00.80	-----	---
FEV.5 (L)	-----	02.61	-----	---
FEV3 (L)	02.62	02.92 111	-----	---
PIFR (L/s)	-----	03.14	-----	---
FEF75-85 (L/s)	-----	04.03	-----	---
FEF.2-1.2 (L/s)	05.75	04.30 075	-----	---
FEF 25% (L/s)	07.28	04.72 065	-----	---
FEF 50% (L/s)	05.07	05.70 112	-----	---
FEF 75% (L/s)	02.25	04.52 201	-----	---
FEV.5/FVC (%)	-----	89.38	-----	---
FEV3/FVC (%)	97.04	100.00 103	-----	---
FET (Sec)	-----	00.74	-----	---
ExptTime (Sec)	-----	00.23	-----	---
Lung Age (Yrs)	047	031 066	-----	---
FEV6 (L)	02.70	-----	-----	---

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)

124

Consultation Diagnostics Health Check- Ups Immunization.
 Clinic: Vinayak Apt. 3rd floor Dhantoli Lokmat Chowk Nagpur
 Resi:- 18, Prashant Nagar Wardha-Road Nagpur
 For any assistance call at . 9860204241, 0712-2424868
 Email ID : deotaledeepak19577@gmail.com

MEDICAL CHECK-UP

TEST NO	P124
EMP CODE CONT BAR CODE	9745022083
Caterory	RMH
DEPARTMENT	Mechanical-I
DESIGNATION	
CONTRACTOR NAME	Ramayan Prasad Mishra - I
MOB NO	
CHECK-UP DATE	21-03-2023

EMPLOYEES NAME: Anil Kumar Singh

Gender: M	Age: 35 Yrs	Ht: 170 cms.	Wt: 60 Kg	Chest: inch
-----------	-------------	--------------	-----------	-------------

Company Address: Prism Johnson Limited Mankhari Satna (M.P.)

Past H/O : DM / HT / EPILEPSY / ANY DISEASES / ANY OPERATION

Personal H/O : ALCOHOL: TOBACCO: SMOKING: ✓ GUTKHA:

General Exam : Teeth : N. / Tonsils : N / Nails : N. / Tongue : N / L. Glands: N.

BP :	mmHg	Pulse :	bps
------	------	---------	-----

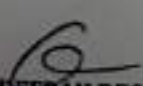
C.V.S.: N R/S: N CNS: N SP/LIVER: N/P

Abdomen: Soft

SPUTUM: ✓	SPIROMETRY: ✓
MEDICAL CHECK - UP:-	
Refractive error can be corrected by spectacle	

Opinion: He/She is physically & mentally fit .He/She is not suffering from any infectious or contagious disease


 SIGNATURE EMP


 DR. DEEPAK DEOTALE
 MBBS, AFIM
 Reg. No. 48366

DEOTALE DIAGNOSTIC CENTER

LOKMAT CHOUK NAGPUR

Patient: ANIL KUMAR SINGH

Refd. By:

Pred.Eqns: RECORDERS

Date: 21-03-2023 03:28 PM

Age: 35 Years

Height: 170 Cms

Weight: 60 Kgs

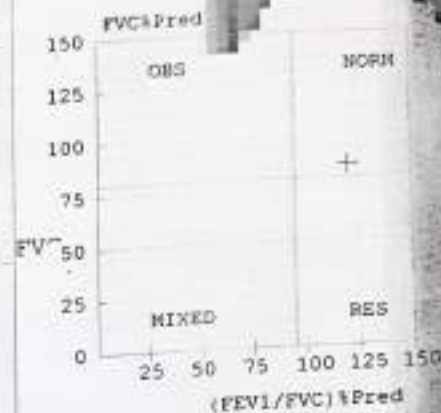
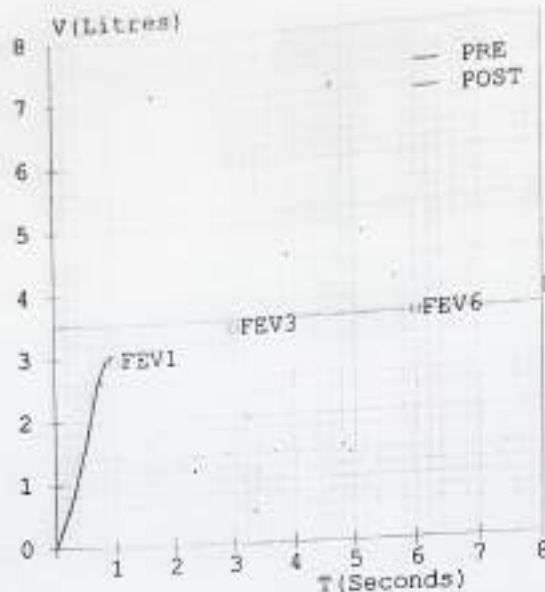
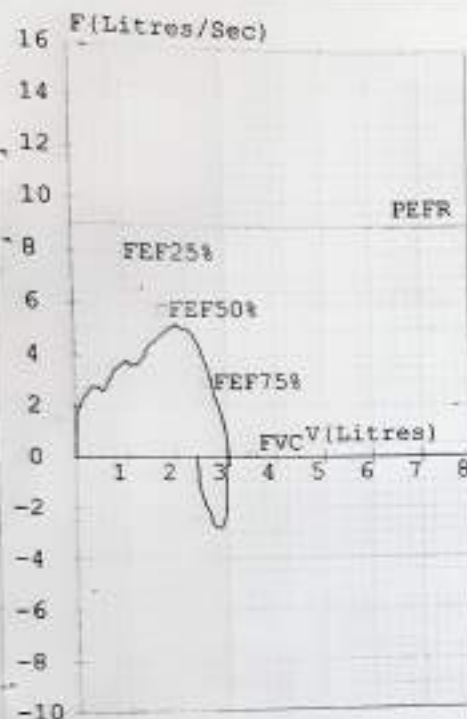
ID: P124

Gender: Male

Smoker: No

Eth. Corr: 100

Temp: degrees



FVC Results

Parameter	Pred	M.Pre%Pred	M.Post %Pred	%Imp
FVC (L)	03.52	03.04	086	---
FEV1 (L)	02.94	03.04	103	---
FEV1/FVC (%)	83.52	100.00	120	---
FEF25-75 (L/s)	04.16	04.20	101	---
PEFR (L/s)	09.02	05.11	057	---
FIVC (L)	---	00.65	---	---
FEV.5 (L)	---	01.59	---	---
FEV3 (L)	03.41	03.04	089	---
PIFR (L/s)	---	02.83	---	---
FEF75-85 (L/s)	---	04.18	---	---
FEF.2-1.2 (L/s)	07.23	03.00	041	---
FEF 25% (L/s)	07.98	03.27	041	---
FEF 50% (L/s)	05.77	04.45	077	---
FEF 75% (L/s)	02.92	04.92	168	---
FEV.5/FVC (%)	---	52.30	---	---
FEV3/FVC (%)	96.88	100.00	103	---
FET (Sec)	---	01.00	---	---
ExptTime (Sec)	---	00.15	---	---
Lung Age (Yrs)	035	034	097	---
FEV6 (L)	03.52	---	---	---

Pre Medication Report Indicates

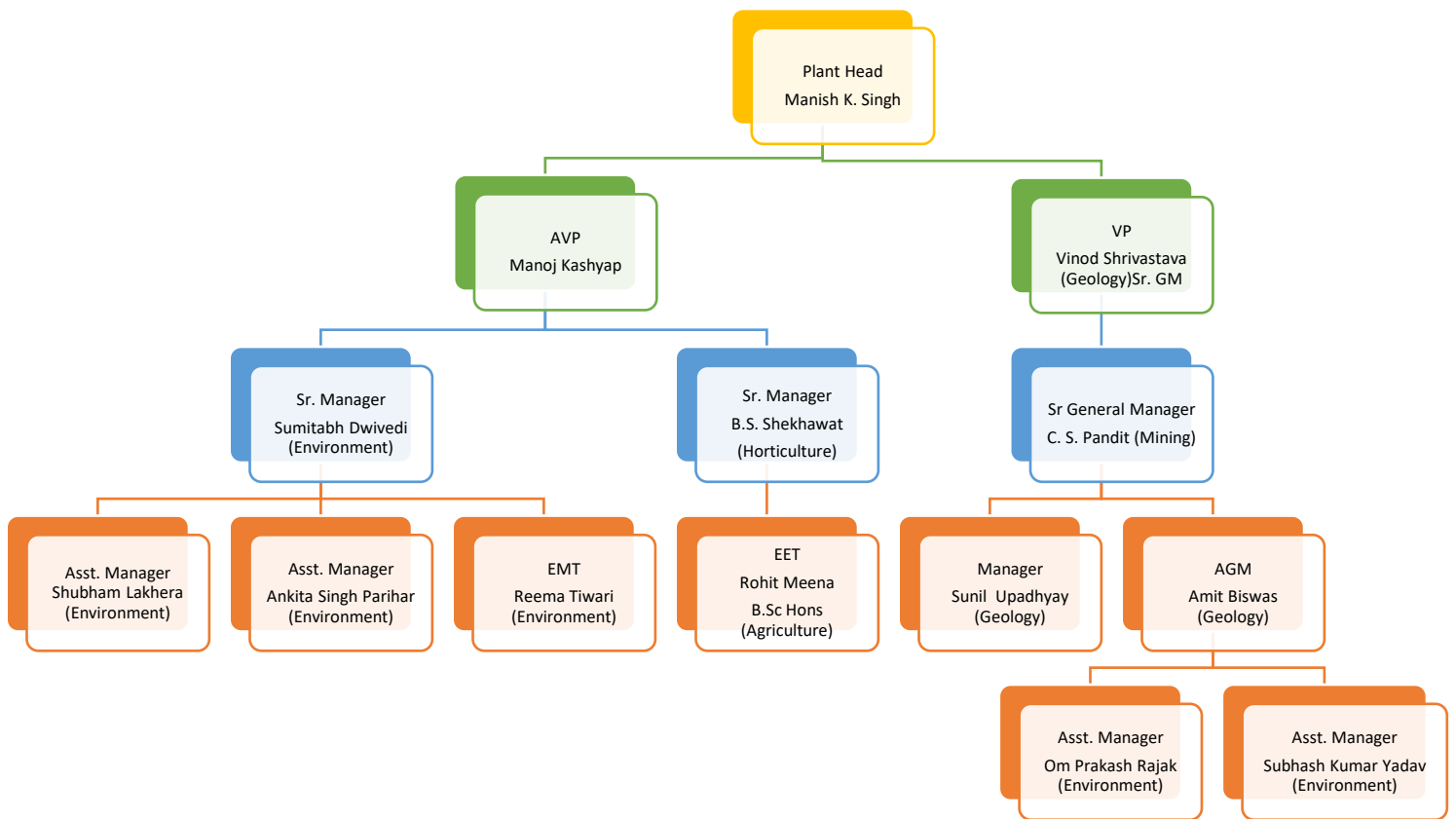
Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70
Spirometry within normal limits as (FEV1/FVC)%Pred > 95 and FVC%Pred > 80.

Dr. Deepak Deotale
MBBS, AFIM
Reg. No. 48366

PRISM JOHNSON LIMITED
CSR Activities Status and Expense Summary FY 2023-24 Cement Division

As of 31.10.2023

S.N.	Category under Schedule VII	Description of Activity	Budget Amount Rs. In Crore					Spent Rs in Crore
			Q-1	Q-2	Q-3	Q-4	Total	
1	Availability of drinking water Schedule VII (i))	Availability of potable water through installation of hand pumps with bore well, supply through water tankers	0.03	0.03	0.02	0.02	0.10	0.07
2	Environment, water Conservation and Promoting renewable energy Schedule VII (iv)	Plantation and survival, construction of water harvesting structures, deepening of ponds, development of social forestry	0.36	0.33	0.11	0.04	0.84	0.71
3	Health & Hygiene Schedule VII (i)	Free medical facility, camps and free ambulance service	0.03	0.02	0.04	0.05	0.14	0.11
4	Promoting Education Schedule VII (ii)	Repairing & maintenance of school buildings, slogan writing, Construction of boundarywall	0.03	0.03	0.09	0.02	0.17	0.16
5	Rural Infrastructure Development Schedule VII (X)	Renovation of community centers, Construction of drainage in villages	0.02	0.07	0.13	0.05	0.27	0.05
6	Social Welfare Schedule VII (iii, iv & vi)	Support to old age home, animal Welfare and other assistance required as per development activity	0.04	0.02	0.02	0.01	0.09	0.07
7	Vocational Skill Development Schedule VII (ii)	Vocational skill development trainings, livelihood support	0.00	0.00	0.01	0.02	0.03	0.00
	Total		0.51	0.50	0.42	0.21	1.64	1.17



Expenditure for April-23 to September-23

Particulars	Unit-1	Unit-2	Total
Maintenance of APCEs	96,64,223.56	13,01,555.25	1,09,65,778.81
APCE Power Consumption	2,28,52,979.20	6,10,40,700.16	8,38,93,679.36
STP Operation & Maintenance	13,89,085.33		13,89,085.33
House Keeping	14,10,000.00		14,10,000.00
Plantation (survival & maintenance)	8,53,821.00		8,53,821.00
Environmental Monitoring & Compliance	7,34,000.00	8,38,200.00	15,72,200.00
License/Permission	67,13,568.00		67,13,568.00
Others (RWH structure maintenance, poster/slogan etc.)	5,43,125.00		5,43,125.00
CEMS/AAQMS Maintenance Cost	15,50,000.00		15,50,000.00
Expenditure for Environment Protection in Mine Leases	80,08,400		80,08,400.00
Total			116899657.5



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', Resid. Road, Sagar - 485001 (M.P.) India
Tel. : 007672 902726, Fax : 002710



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/

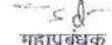
सतना दिनांक :-

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.