



Ref: PJL/ENV/2020/292

Date: 01.12.2020

To, The Regional Director, Ministry of Environment, Forest & Climate Change Paryavaran Bhawan, Ravishankar Nagar, Bhopal (M.P.)

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

Dear Sir,

With reference to above mentioned subject and notification issued by MoEF & CC S.O. no. 5845 (E) dated 26.11.2018, we are submitting herewith the soft copy of half yearly report (April 2020-September 2020) related to compliance of accorded environmental clearance of Prism Cement Unit II & Integrated Limestone Mines (772.067 ha, 512.317 ha, 117.594 ha and 99.416 ha).

Thanking you,

Yours faithfully, For PRISM JOHNSON LIMITED

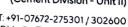
Manoj Kumar Kashyap Sr. General Manager

Encl: As above

CC: The Director, MOEF & CC, Delhi The Member Secretary- MPPCB, Bhopal The Member Secretary- CPCB, Bhopal The Regional Director- CGWB, Bhopal



(FORMERLY PRISM CEMENT LIMITED) (Cement Division - Unit II)





Compliance report with Regard to Environment Clearance accorded by MoEF&CC vide letter no.J-11011/949/2007-IA-II(I) dated22.09.2008

าร	Com	plianceS	tatus		
ons:					
s from various units shall to the standards prescribed by lhya Pradesh Pollution Control	units withi	i.e. Kilr in the pr	and the particulate mat a, Coal Mill, Clinker Coole escribed norms. There is n report of emissions from	r and Cement Mill o CPP at our cemen	are well t plant.
te emissionsshall beinstalled. ing facility shall be provided in ition control equipment so that event of the pollution control int not working, the respective shut down automatically.	quali parti vario displ displ Phot Anne Inter equip	ty moniticulate ends uniting ayed at ay board ographs exure 2. Hocking oment so	of AAQMS, CEMS & distance of the distance of t	ission monitoring sy emissions monitori and the monitored nises by the means splay board is end ed in the pollution pollution control ed	rstem for ng from data is of digital losed as a control quipment
y fugitive emissions shall be d within the prescribed limits arly monitored s/Code of Practice issued by the his regard should be followed Dany shall install adequate dust and extraction system to fugitive dust emissions at ransfer points. Water spray system with shall be installed in silo used orage of ash.Covered conveyer	well within the prescribed limits by the mean practices. Atomized sprinklers and water spraying provided at source of dust generation. d Guidelines/Code of Practice issued by the CPCB in being followed. to Details of practices adopted to control fugitive end follows: 1. Covered Sheds and Silos are provided for some materials. Details are mentioned below:-		ntrolled and are may by the means of vater spraying arra- the CPCB in this re- trol fugitive emission	eintained various ngement egard are	
II be used to reduce fugitive		S.No	Name of raw material	Storage Facility	
g of all the roads, water		1.	Limestone	Covered Shed	
system at limestone and coal area shall be ensured to reduce		2.	Coal	Covered Shed	
missions		3.	Gypsum	Covered Shed	
		4.	Laterite	Covered Shed	
		5.	Clinker	Silo	
		6.	Fly ash	Silo	
		7.	Cement	Silo	
mis	ssions	ssions 2.	4. 5. 6. 7.	 4. Laterite 5. Clinker 6. Fly ash 7. Cement 	4. Laterite Covered Shed 5. Clinker Silo 6. Fly ash Silo 7. Cement Silo

3	Ambient air quality including ambient noise levels shall not exceed	provided at the unloading of limestone at crusher. 3. Fog Canon installed Near Stock Pile of Lime stone to control fugitive Emission. 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 tankeris 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. 13. Photographs of various measures to control fugitive emission is enclosed as Annexure 3. Ambient Air emission parameters are well within the prescribed norms.
	the standards stipulated under EPA or by the State authorities.	Noise levels are also within the norms. Monitoring report of ambient air quality analysis and noise monitoring is enclosed as Annexure 4
	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. The instruments used for ambient air quality monitoring shall be calibrated time to time.	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. Calibration certificates are attached at -Annexure no. 4(b)
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.	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. Raw materials and end products are transported within the plant premises with the help of closed conveyor belts to reduce impact of transport.



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.
 - 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.

Fly ash shall be utilized as per the provisions of Fly AshNotification-1999, subsequently amended in 2003. Fly ash shall be stored in ashsiloand100% used in the cement manufacturing		Fly ash is being utilized as per th Notification 1999, subsequently amende Fly ash is being transported by the mea is stored in Silos having capacity of and 100 % fly ash is used in cement manu	ed in 2003. ns of closed bulkers and it
	Consumption of fly ash is as follows:		
		Yearly Fly Ash Consumption	
		Year Qty (M	Τ)
		2014-2015 907	7848
		2015-2016 848	3939
		2016-2017 810	908
		2017-2018 701	922
		2018-2019 855	5770
		2019-2020 808	3392
		2020-2021(till 378 September)	362
7.	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. Total water requirement shall not exceed 2500 m3/day. The treated wastewater from STP and	Permission for utilization of High caloritic cement kiln has been taken. Copy of same is enclosed as Annexure 5 Record of the waste utilized is being may to the Ministry's Regional Office at Bhop Details of hazardous waste used are as for the Water consumption will not exceed 2 water consumption is mentioned below. Waste water generated is treated with capacity of 600 KLD and the treated water development of green belt. Water consumption details is enclosed as STP treated water analysis report is enclosed as STP treated water analysis report is enclosed. STP of capacity 600 KLD has been install.	eintained and is submitted oal, CPCB and SPCB. Follows: 500 m ₃ / day. Details of: the help of STP having rater is being used for the Annexure 5 (a). Sed as Annexure 5 (b). Closed as Annexure 5 (c).
	utilities shall be reutilized for green belt development and other plant related activities i.e. Cooling and dust suppression in raw material handlingarea etc., after necessary treatment. 'Zero' discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.	waste water generated and the treated utilized for green belt development, dust and the sludge waste so generated from plant is used as manure in plantation. No effluent discharge from the plant plantation maintained the Zero discharge. Analysis of treated water is enclosed as Analysis of treated water is enclosed as Analysis of treated water is enclosed.	ed waste water is being t suppression and cooling m the sewage treatment bremises is there and has
8	Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony	Rain water harvesting measures have be premises as well in Mines and nearby harvesting measures are mentioned belo	villages. Details of water

	and mine site.	
		 Water harvesting pond of capacity 13 Lac m³ has been constructed in Mines area.
	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 steel yard.
		8. Recharge Bore Hole for Recharging the Ground Water - 22 Nos
		 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.
		Photographs of rain water Harvesting Structure is enclosed as Annexure 6.
	Besides, company must also harvest the rain water from the roof tops and	There are 7 Nos of Roof top rain water harvesting structures in plant premises These are:
	storm water drains to recharge the	1. MRSS building
	ground water	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.
		Filters have been installed at roof top drain so as to filter out the dust, grits solid contents into bore-wells.
	The company must also collect rain	The company collects rain water in the mined out pits of captive lime stone mine and use the same water for the various
	water in the mined out pits of captive lime stone mine and use the same	activities. The water is used for various activities i.e. spraying On
	water for the various activities of the	haul roads, crusher hopper, green belt development etc.
	project to avoid fresh water	Rain water harvesting pond with capacity of 13 lac m3 has been
	requirement.	developed and the harvested water is used for various purpose whichhelps conservation of fresh ground water.
	The company shall construct the rain water harvesting and ground water recharge structures outside the plant	Rain water Harvesting structures have been measures have been implemented in nearby villages are also. Some of them are as follows:
	premises also in consultation with local	1. Deepening of Ponds at Mankahari and Bamhauri village with
	gram panchayat anf Village heads to	Hume pipe and ground water recharge system.
	augment the ground water level.	Construction of water reservoir at Baghai village for water conservation.
	An action plan shall be submitted to Ministry's Regional Office at Bhopal	The action plan is submitted to Ministry's Regional Office at
١	within 3months from date of issue of	Bhopal.
	this letter.	Copy of same is enclosed as Annexure7 .

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°.

We have obtained approval of further Schemes of mining for the leases of PCL as follows:

- 1. 772.067 ha (Hinauti & Sijahata) vide IBM letter no P/Satna/ Limestone/M.Sch-86/14-15/2443 Dt.06.04.15,
- 2. 99.416 ha (Hinauti & Sijahata) vide IBM letter no MP/Satna/Limestone/RMP-44/17-18Dt. 27.04.2017,

3.512.317ha (Baghai) vide IBM letter no MP/Satna/Limestone/MPLN/MOD63/20172018/3365 Dt.29.02.16 and

4. 117.594 ha (Mendhi) vide IBM letter no MP/Satna/ Limestone/ M.Sch-6/16-1 Dt. 04.11.2016by the Indian Bureau of Mines.

Copy of approval letter is enclosed as Annexure 8.

Dump height and slope has been maintained as per guidelines. The details are enclosed as **Annexure 9**.

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.

The top 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.



The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations

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. Nar Nala falls outside the lease area and flanks the Baghai mining lease from the western side.

No natural water course is obstructed due tomining and plant operations. The company is taking following measures for Protection of the Tamas River, Magardaha Nala and Nar Nala (natural water course) which is adjacent to the Hinouti Sijhata and Baghai Limestone Mine in North East and west direction respectively.

- 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 and 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. There is no proposal for diversion/ obstruction/ modification of any natural water course during mining activity.
	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 mines area is submitted. Copy is enclosed as Annexure no. 10.
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.	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. Bouganvilliea, karanj, Alstonia, Neem etc. Total 92120 number of plantation has been done in Mines area and 11073 no. of plantation has been done in plant and colony premises. In addition to the above we have planted 33300 no. of plants during CSR activities in nearby village area FY 2019-20.
	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.	The total height of the dumps are not exceeding then 30 m and the slope of the dumps are maintained at 28°. Details regarding dumps is enclosed as Annexure 9 .
	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/2020/230 dated 01.06.20.
13	The void left unfilled shall be converted into water body.	Agreed. A Rain water harvesting reservoir has been already developed which is having capacity of 13 lakh Cubic meter. The accumulated water is used for industrial purpose at mine and cement plant. Proper landscaping is done around the water body.
	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.	Fencing is being done around the periphery of Mines excavated area.



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.

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.

Garland drain along lease boundaries of 3.0 Km (cumulative in two locations) has been constructed.

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





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

Complying with.

The water so collected is being utilized for watering of Mine area, green belt development etc.

	The drains should be regularly de-silted, particularly after monsoon, and maintained properly.	The drains are regularly de- silted, particularly after monsoon, and maintained properly
15	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter-burden dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	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 followingNatural contour. Sump size of length 25m x width 15m and depth 4m. has been constructed along the garland drain. 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. Garland drains and de-siltation ponds are de-silted at regular intervals, especially after monsoon.
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 toe drains are maintained to check runoff and siltation.
17	Regular monitoring of ground water leveland 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 Board.	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. Analysis report is enclosed as Annexure 11.
18	Blasting operation should be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented	Complying with. Blasting operations are carried out during the day time only. Controlled blasting is carried out according to the recommendation of Central Institute ofMining And Fuel Research. The salient recommendations are given below: • The AOP has been recorded within prescribed limits 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 ofground 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.

- 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.
- Propagation equation for the prediction of blast vibration has been established and is given as Equation 1. The permissible explosive weight per delay may be computed from the Equation to contain vibration within safe limits for distances of houses/ structures concerned. For convenience, the recommended explosives weight per delay has been computed and is given in Table A3.
- 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 system should be continued in the Blasting operations and Electronic initiation systems should be practiced on the benchesnear 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 mate with sand bags in sensitive area to ensure any non ejection of fly rocks. For this Nonel as well as electronic system may be used as an Initiation system.

Each blast is monitored for vibrations with Minimate and Nomis seismographs.



Vibration report is enclosed as **Annexure 12.**

The project proponent shall adopt wet drilling.

Complying with Regular wet drilling is practiced.

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20	As proposed, green belt should be developed in 33% in and around the plant as per the CPCB guidelines.	11073 no. of plantation has been	on has been done in Mines area done in plant and colony premise we planted 33300 no. of plants durea FY 2019-20.	es.
21	All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.	Action Plan Cement Plant, which are not complying with notified standards shall do the following to meet the standards • Augmentation of existing Air Pollution Control Devices: by July 2003 • Replacement of existing Air Pollution Control devices: by July 2003	Compliance status Complied with.	
		Cement plants located in the critically polluted or urban areas (including 5 Km distance outside urban boundary) will meet 100 Mg/Nm3 limit of particulate matter by December 2004 and continue working to reduce the emission of the particulate to 50 mg/Nm3 The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 01.04.2003 will meet the limit of 50 mg/Nm3 for particulate matter emissions CPCB will evolve load based standards by December 2003 CPCB & NCBM will evolve SO2 & NOx emission standards by June 2004	Complied with. We are achieving the PM emission norms within 30 mg/Nm3. Complied. Not applicable.	

		The	C l' d
		The cement industries will	Complied
		control fugitive emissions	Bag Filters installed at all
		from all the raw material and	Material transfer points,
		products storage and	Water spraying regularly on
		transfer points by December	haul roads.
		2003. However, the	
		feasibility for the control of	
		fugitive emissions from	
		limestone and coal storage	
		areas will be decided by the	
		National Task Force (NTF).	
		The NTF shall submit its	
		recommendations within	
		three months	
		CPCB , NCBM, BIS and Oil	We are using pet coke.
		refineries will jointly prepare	
		the policy on use of	
		petroleum coke as fuel in	
		cement kiln by July 2003	Installed
		After performance	Installed continuous
		evaluation of various types	monitoring systems (CEMS)
		of continuous monitoring equipment and feedback	in all process stack.
		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	
		Trippings in kiln ESP to be	Complied.
		minimized by July 2003 as	
		per the recommendation of	
		NTF	
		Industries will submit the	We are using the AFR waste
		target date to enhance the	material in our kiln.
		utilization of waste material	
		by April 2003	
		NCBM will carry out a study	Not Applicable
		on hazardous waste	
		utilization in cement kiln by	
		December 2003	
		Cement industries will carry	Agreed.
		out feasibility study and	
		submit target dates to CPCB	
		for co-generation of power	
		by July 2003	
22	Vehicular emissions should be kept	Vehicular emission is kept unde	r control. Regular maintenance of all
	under control and regularly monitored.	vehicles is done as per manu	facturer's maintenance schedule i.e.

	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.	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 core zone 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 13.
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 finalmine 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 22ndMay, 2008. The public hearing comments are enclosed as Annexure 14.
	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-15.
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, SO2 and NOx are anticipated in consultation with the SPCB	We are regularly monitor the ambient air quality at different locations in villages.
4	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.
5	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May,1993 and 31 st December,1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	No industrial wastewater is generated as the cement plant is operated on dry process. For domestic wastewater, there is a sewagetreatment plant with capacity of 600 KLD.



Contaminated water generated due to washing of equipment is passed though oil and grease separation tankers. For separation of oil and grease particles fromwater, prime mover has been provided.







STP treated water analysis report is enclosed as **Annexure 5 (b)**. **Mines workshop treated water Analysis Report is enclosed as Annexure-16**

The overall noise levels in and around the plant area shall be kept well within the

The overall noise level is within threshold limit of 85 dB(A).

To arrest the noise levels all equipment are equipped with acoustic

	standards [85 dB(A)] by providing noise	hoods, silencer,enclosures etc. besides that operators havebeen
	control measures including acoustic	provided with PPE.
	hoods, silencers, enclosures etc. on all	Green belt is developed along the plant andmining area to minimize
	sources of noise generation.	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 4 .
7	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 least30-	We have already conducted various healthsurveillance programs whose records aremaintained properly. Also sufficient preventive measures are adopted during the plant and mining operation to avoid direct exposure to dust etc.
	40 years. The programme shall	Occupational Health Survey (OHS)
	include lung function and sputum analysis	a) Periodical Medical Examinations are
	maintained properly tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc	conducted of each employee by outsidespecialists once in every 5 years. Under this scheme each employeeundergoes Pathological tests, blood grouptest, chest X-Rays, Audiometry tests, eyetest 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 beenprovided with Provision of Ambulance,Pathological Laboratory& X-Ray, andAudiometry etc.
		OHC reports are enclosed as Annexure 17 (a). Details of various health programmes conducted is enclosed as Annexure 17 (b).
7	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 shave been taken by the company.
		Details of CSR Activities of year 2020-21 are enclosed as Annexure 18.
8	The project proponent shall also comply	Complying with
	with all the environmental protection	We are strictly adhering with the Environment protection measures
	measures and safeguards recommended	as stipulated in approved EMP ofmines.
	in the EIA/ EMP.	Environment Management measures adopted in Prism Johnson Limited:-
		 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.
		Limiting and minimization of hazardousmaterials and chemicals during manufacturing and zero disposal of hazardous was to within the hazardous.
		hazardous waste within the boundaries. 5. Fleet and route optimization for energy and fuel saving
		J. Theet and Toute opainization for energy and fuel saving

			resulting in a reduction of the CO ₂ 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
		0.	
			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 likecarbon 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
		10.	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 17MW which is 40% of the
			total energy required for the entire establishment are being
			installed.
9	Environmental Management Cell has to	Fnviron	mental Management Cell is functioning effectively, Structure
	be established to carry out functions		n is enclosed as Annexure 19.
	relating to environmental management		
	action plans. The head of the cell should		
	directly report to the Chief Executive		
10	The capital cost and recurring cost annum	Comply	ing with the condition, the capital cost and the recurring cost
	earmarked for environmental protection		
	equipments shall be Rs. 115 Crores and	otherpu	
	Rs.3.20 Crores to implement the		
	conditions stipulated by the Ministry of		
			O L

	Environment and Forests as well as the	anclosed as Annovuro 20
	Environment and Forests as well as the State Government. Time bound	enclosed as Annexure 20.
	implementation schedule for	
	implementing all the conditions	
	stipulated herein shall be submitted.	
	The funds so provided shall not be	
	diverted for any other purpose.	
11	The Regional Office of this Ministry /	Agreed.
	CPCB / SPCB shall monitor the stipulated	Full cooperation shall be provided to the officer(s) of the Regional
	conditions. The project authorities shall	Officer in furnishing the requisite data/ information/ monitoring
	extend full cooperation to the officer (s)	reports.
	of the Regional Office by furnishing the	
	requisite data / information / monitoring	
	reports.	
	A six monthly compliance report and the	Six monthly compliance report and the monitored data is being
	monitored data along with statistical	submitted to Regional Office of the Ministry / CPCB / SPCB regularly.
	interpretation shall be submitted to them	Last compliance report was submitted vide letter no – PCL/ ENV/ 2019
	regularly.	/ 166 & PCL/ ENV/ 2019 /167 dated 28.09.2019.
12	The Project Authorities shall inform the	The copy of the intimation of the financial closure
	Regional Office as well as the Ministry,	Of the project is enclosed as Annexure-21.
	the date of financial closure and final	
	approval of the project by the concerned	
	authorities and the date of commencing the land development work.	
12	No change in mining technology and	Agreed.
13	scope of working shall be made without	No change in mining technology and scope of working will be made
	prior approval of the Ministry of	without prior approval of the Ministry of Environment & Forests.
	Environment & Forests.	without prior approval of the ministry of Environment at orests.
	No change in the calendar plan including	
	excavation, quantum of limestone and	
	waste shall be made.	
14	Measures should be taken for control of	Noise monitoring is carried out on regular basis so as to comply with
	noise levels below 85dB (A) in the work	the prescribed norms.
	environment. Workers engaged in	Workers and employees are provided with earmuffs and necessary
	operations of HEMM etc. should be	PPE's.
	provided with ear plugs/muffs.	
15	Industrial waste water (workshop and	No industrial wastewater is generated as the cement plant is
	waste water from the mine) should be	operated on dry process.
	properly collected, treated so as to	
	conform to the standards prescribed	For domestic wastewater, there is a sewage treatment plant of the
	under GSR 422 (E)dated19thMay, 1993	state-of -art technology. Ithas the capacity to treat domestic wastewater of 600 KLPD.
	and 31st December 1993 or as amended from time to time. Oil and grease trap	wastewatel of ood KLFD.
	should be installed before discharge of	Contaminated water generated due to washing of equipment is
	workshop effluents.	passed though grease and oil traptank having separation chambers
	Workshop emidends	and pumpingarrangement. For separation of oil and greaseparticles
		from water, prime mover has beenprovided. The oil and grease is
		skimmed and keptin sealed barrels for further disposal to authorized
		vendors.
16	Personnel working in dusty areas should	Personal protective Equipment's are being provided to the workers
	wear protective respiratory devices and	and they are given adequate training and information regarding
	they should also be provided with	safety and health aspects related to the kind of job they are engaged
	they should also be provided with	safety and health aspects related to the kind of job they are engaged

	adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	in. Regular Health check-up program is conducted is done for the workers.
17	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 closureof the project is enclosed as Annexure-21 .
18	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.
19	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.	
20	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the localityconcerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in" and a copy of the same shall be forwarded to the Regional Office of this Ministry.	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. Navswadesh and DeshBandhu on 25.09.2008. Copy of advertisement is enclosed as Annexure 22.



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An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack2/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF STACK EMISSIONS*

Name of the Company : M/s Prism Johnson Ltd.

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Date of Monitoring : 21.09.2020
Sample Collected by : Mr.Maan Singh
Source of Emission : Raw Mill Emission

Sampling Method : IS: 11255

Instrument Used : Stack Monitoring Kit

Details of Stack

Material of Construction : M.S.

Stack Attached to : Kiln/Raw Mill Unit-2

Stack Height (m) : 100
Stack Top : Circular
Inside Diameter of Stack (m) : 4.75

(at sampling point)

Cross Sectional Area of Duct/Stack (m²) : 17.71

Ambient Air (°C) : 32.0

Flue Gas Temperature (°C) : 141.0

Exit Velocity of Gas (m/sec.) : 14.28

Flow Rate (Nm³/ sec.) : 177.45

APCD if any : Bag House

SI, No.	Tests Conducted	Method	Pollutant Concentration (At 10% O ₂)	
1.	Particulate Matter (PM) (mg/Nm³)	IS:11255 (Part-1)	18.52	
2,	Sulphur Dioxide (\$O ₂) (mg/Nm ³)	IS:11255 (Part-2)	15.80	
3.	Nitrogen Oxides (NOx) (mg/Nm³)	IS:11255 (Part-7)	516.50	

^{*}The results are related only to item tested.

Analyst

Authorized Signatory Ecomen Laboratories Pvt. Ltd.

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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack4/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF STACK EMISSIONS*

Name of the Company M/s Prism Johnson Ltd.

Village Mankahari Address of the Company

Tehsil Rampur Baghelan

District Satna (M.P.)

21.09.2020 Date of Monitoring Sample Collected by Mr.Maan Singh Coal Mill Emission Source of Emission

IS: 11255 Sampling Method

Stack Monitoring Kit Instrument Used

Details of Stack

Material of Construction M.S.

Stack Attached to Coal Mill Unit-2

Stack Height (m) 65.0 Circular Stack Top Inside Diameter of Stack (m) 2.24

(at sampling point) Cross Sectional Area of Duct/Stack (m²) 3.94 32.0 Ambient Air (°C) 89.0 Flue Gas Temperature (°C) 9.82 Exit Velocity of Gas (m/sec.) 31.05 Flow Rate (Nm³/ sec.) Bag House APCD if any

SI. No. Tests Conducted Method Pollutant Concentration Particulate Matter (PM) 15.20 IS:11255 (Part-1) (mg/Nm^3)

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Sector-H, Aligani, Lucknow-226024

^{*}The results are related only to item tested.



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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack6/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF STACK EMISSIONS*

Name of the Company : M/s Prism Johnson Ltd.

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Date of Monitoring : 21.09.2020 Sample Collected by : Mr.Maan Singh

Source of Emission : Cooler Stack Emission

Sampling Method : IS: 11255

Instrument Used : Stack Monitoring Kit

Details of Stack

Material of Construction : M.S.

Stack Attached to : Cooler Unit-2

Stack Height (m) : 50.0
Stack Top : Circular
Inside Diameter of Stack (m) : 4.5

(at sampling point)

Cross Sectional Area of Duct/Stack (m²) : 15.89
Ambient Air (°C) : 30.0
Flue Gas Temperature (°C) : 220.0
Exit Velocity of Gas (m/sec.) : 13.92
Flow Rate (Nm³/ sec.) : 130.33
APCD if any : ESP

Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm³)	IS:11255 (Part-1)	22.42

^{*}The results are related only to item tested.

Authorized Signatory

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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack8/09/20 TEST REPORT ISSUE DATE: 30.09.2020

Quality Manager

TEST REPORT OF STACK EMISSIONS*

Name of the Company : M/s Prism Johnson Ltd.

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Date of Monitoring : 22.09.2020 Sample Collected by : Mr.Maan Singh

Source of Emission : Cement Mill Emission

Sampling Method : IS: 11255
Instrument Used : Stack Monitoring Kit

Details of Stack

Material of Construction : M.S.

Stack Attached to : Cement Mill-2 (Unit II)

Stack Height (m) : 49.0 Stack Top : Circular Inside Diameter of Stack (m) : 1.0

(at sampling point)

Cross Sectional Area of Duct/Stack (m²) : 0.785
Ambient Air (°C) : 29.0
Flue Gas Temperature (°C) : 82.0
Exit Velocity of Gas (m/sec.) : 7.29
Flow Rate (Nm³/ sec.) : 4.63

APCD if any : Bag House

SI, No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm³)	IS:11255 (Part-1)	15,60

^{*}The results are related only to item tested.

Analyst

Authorized Signatory Ecomen Laboratories Pvt. I.td. Flat No.-8, 2nd Ploor, Arif Chamber-V

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AAQMS Station



AAQMS Panel



Desktop showing monitoring data



Continuous Emission Monitoring system Panel



LED Display of emission parameters at Main Gate of premises



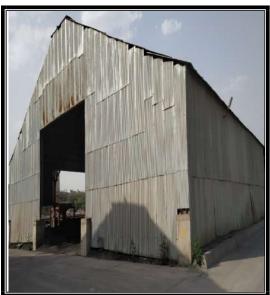
Continuous Air Quality Monitoring Station



Continuous Stack Emission Monitoring Station

Annexure 3











Plantation & Concrete roads



















Water Sprinkling



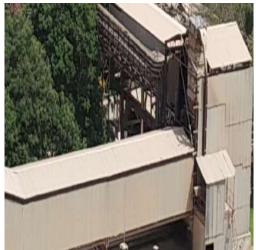






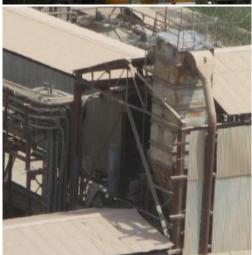
Covered Conveyor Belt & Bag filters















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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ1/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT AIR*

Name of the Company

M/s Prism Johnson Ltd.

Address of the Company

Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Sample Collected by

Mr. Maan Singh

Sampling Method

IS: 5182

Instrument Used

FDS & RDS

St. No.				Limit as per National			
	Tests Conducted	Method	L1 24.09.2020	L2 24.09.2020	L3 24.09.2020	L4 24.09.2020	Ambient Air Quality Standards
	Comuncien						
1	PM _{2.5} (μg/m ³)	NAAQM guide line volume – I by CPCB	32.80	34.50	40.60	37.90	60
2	PM ₁₀ (μg/m ³)	IS:5182 (Part-23)	62.10	64.80	72.20	69.20	100
3	SO ₂ (μg/m ³)	IS:5182 (Part-2)	10.85	9.65	12.40	12.60	80
4	NO _x (μg/m³)	IS:5182 (Part-6)	14.65	17.85	17.10	19.80	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0,45	0.55	0,50	0.55	02

^{*}The results are related only to item tested.

Note:

L1= Near PCL Colony

L2=Near Guest House,

L3= Near Crusher Unit-II

L4= Near Admin. Building

Standards:

S1 = Ambient Air Quality Standard for Residential, Industrial & Rural Other Area

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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ2/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT AIR

Name of the Company

M/s Prism Johnson Ltd.

Address of the Company

Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Sample Collected by

Mr. Maan Singh

Sampling Method

IS: 5182

FDS & RDS

Instrument Used

SI. No.	Tests Conducted			Limit as per National			
		Method	L1	L2	L3	L4	Ambient Air Quality
			21.09.2020	21.09.2020	21.09.2020	21.09.2020	Standards
1	PM _{2.5} (µg/m³)	NAAQM guide line volume – I by CPCB	45.80	38.40	30.50	29.70	60
2	PM ₁₀ (μg/m ³)	IS:5182 (Part-23)	69.20	65,80	49.20	58.10	100
3	SO ₂ (µg/m³)	IS:5182 (Part-2)	10.10	14.30	13.70	14.80	80
4	NO _x (μg/m³)	IS:5182 (Part-6)	17.50	18.20	19.60	20.50	80
5	CO (mg/m³)	IS:5182 (Part-10)	0.55	0.45	0.30	0.25	02

^{*}The results are related only to item tested.

Note:

L1= Nr Mines Site Office

L2= Near Western Block Garden,

L3=Village Hinauti

L4= Village Sijahata

Standards:

S1 = Ambient Air Quality Standard for Residential, Industrial & Rural Other Area

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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ3/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT AIR

Name of the Company

M/s Prism Johnson Ltd.

Address of the Company

Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Sample Collected by

Mr. Maan Singh

Sampling Method

IS: 5182

Instrument Used

FDS & RDS

Sl. No.	Tests Conducted			Limit as per National			
		Method	Li	L2 25.09.2020	L3 25.09.2020	L4 25.09.2020	Ambient Air Quality Standards
			25.09.2020				
1	PM _{2.5} (μg/m ³)	NAAQM guide line volume – I by CPCB	29.80	36.50	40.10	37.10	60
2	PM ₁₀ (μg/m ³)	IS:5182 (Part-23)	54.40	50,30	55.60	68.80	100
3	SO ₂ (μg/m ³)	IS:5182 (Part-2)	10.10	11.80	11.60	10.10	80
4	NO _x (μg/m³)	IS:5182 (Part-6)	12.85	16.20	16.80	15.80	80
5	CO (mg/m³)	IS:5182 (Part-10)	0.45	0.35	0.40	0.45	02

^{*}The results are related only to item tested.

Note:

L!= Adiwasi Tola (Nr Bagahai ML Area)

L2= At Baisan Tola (Nr. Bagahai ML Area),

L3=South Side of Working Pit (Bagahai Mines) L4= Near Boundary Pillar No.64 Bagahai

Standards:

S1 = Ambient Air Quality Standard for Residential, Industrial & Rural Other Area

Analyst

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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF WORK PLACE AIR MONITORING

Name of the Company

M/s Prism Johnson Ltd.

Address of the Company

Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Sample Collected by

Mr. Maan Singh

Sampling Method

IS: 5182

Instrument Used

FDS & RDS

Sl. No.	Tests Conducted			Limit as per			
		Method	L1	L2	L3	L4	National Ambient Air
			22.09.2020	22.09.2020	22.09.2020	22.09.2020	Quality Standards
1	PM _{2.5} (μg/m³)	NAAQM guide line volume – I by CPCB	50.80	45.60	49.80	45.40	60
2	PM ₁₀ (μg/m ³)	IS:5182 (Part-23)	79.20	82.30	80.60	78.10	100
3	SO ₂ (μg/m ³)	IS:5182 (Part-2)	17.80	14.70	12.10	10.90	80
4	NO _x (μg/m³)	IS:5182 (Part-6)	18,20	16.30	17.90	15.40	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.55	0.50	0.52	0.45	02

^{*}The results are related only to item tested.

Note:

L1= Near Cement Mill Unit -II

L2= Near Railway Yard,

L3= Near Packing Plant

L4= Kiln Unit-II

Ecomen Laboratories Pvt. Ltd.

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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ5/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT AIR

Name of the Company

M/s Prism Johnson Ltd.

Address of the Company

Village Mankahari

Tehsil Rampur Baghelan

District Satna (M.P.)

Sample Collected by

Mr. Maan Singh

Sampling Method

IS: 5182

Instrument Used

FDS & RDS

SL No.			Result				Limit as per National
	Tests Conducted	Method	L1	L2	L3	L4	Ambient Air
			25.09.2020	25.09.2020	25.09.2020	25.09.2020	Quality Standards
1	PM _{2.5} (μg/m ³)	NAAQM guide line volume – I by CPCB	30.10	33.70	29.50	27.20	60
2	PM ₁₀ (μg/m ³)	IS:5182 (Part-23)	62.10	75.60	64.90	48.10	100
3	$SO_2(\mu g/m^3)$	IS:5182 (Part-2)	8.95	12.40	13.10	12.20	80
4	$NO_x(\mu g/m^3)$	IS:5182 (Part-6)	12.80	15.30	20.80	19.30	80
5	CO (mg/m³)	IS:5182 (Part-10)	0.50	0.45	0.40	0.45	02

^{*}The results are related only to item tested.

Note:

L1=Nr. Nar Nala Bridge,

L2= Nr. Medhi Mines Boundary Pillar No 28

L3=Nr. Medhi Mines Boundary Pillar No.23 L4= Village Malgaon

Standards:

S1 = Ambient Air Quality Standard for Residential, Industrial & Rural Other Area

Analyst

Ecomen Laboratories Pvt. Ltd. Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Aligani, Lucknow-226024



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ6/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT AIR

Name of the Company
Address of the Company

M/s Prism Johnson Ltd.

Village Mankahari

Tehsil Rampur Baghelan District Satna (M.P.)

Sample Collected by

Mr. Maan Singh

Sampling Method

IS: 5182

Instrument Used

FDS & RDS

SI. No.			Result				Limit as per National
	Tests Conducted	Method	Lī	L2 22.09.2020	L3	L4	Ambient Air
			22.09.2020		22.09.2020	22.09.2020	Quality Standards
Ī	PM _{2.5} (μg/m ³)	NAAQM guide line volume – I by CPCB	27.90	25.20	29,80	30.10	60
2	PM ₁₀ (μg/m ³)	IS:5182 (Part-23)	42.50	57.20	47.50	58.30	100
3	SO ₂ (µg/m ³)	IS:5182 (Part-2)	10.05	12.80	12.65	11.70	80
4	$NO_x(\mu g/m^3)$	IS:5182 (Part-6)	13.85	18.20	16.20	18.60	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.25	0.40	0.35	0.30	02

^{*}The results are related only to item tested.

Note:

L1=Village Badarkha

L2= Village Hinauta

L3= Village Chulhi

L4= Village Kulhari

Standards:

S1 = Ambient Air Quality Standard for Residential, Industrial & Rurál Other Area

Anatust

Authorized Signatory

Ecomen Laboratories Pvt. Ltd.

Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Aligani, Lucknow-226024

PRISM JOHNSONLIMITED

(Cement Division - Unit II)

Village: Ma nkahari, P.O.: Bathia

Tehsil: Rampur Baghelan, Distt.: Satna, PIN- 485 111 (M.P.) India

: 07672 275301 Phone 07672-410357/275303 Fax

Purchase Order

PO No.: 3100157249 - P200

PO Date: 23.06.2020

Vendor Address

LES-Centre for Calibration Laboratory K-307 ,UPSIDC Industrial Area,

Reference

Our Reference :

1300008796 Your Reference: Eml 03.06.19

Payment Terms

Within 15 days

SITE-V,KA SNA,GR.NOIDA, GA 201310, Uttar

Pradesh,INDIA

a to supply the following materials subject to terms and

Item/PIR	Material/Description	Quantity	UM	Del. Date	Rate	Amount
10 13000087 9 6	SAC Code: 998346	1.00	AU	30.05.2020	63,650.00	63,650.00
	Calibration of monitoring equ	ipments				
	The Item Covers the follow	ing services : (Qty	/ UOM / F	Rate / Amoun	t)	
	010 Calibration of monitioring	equipments	1 A			
	IGST				18.00 %	11,457.00

I Otal Amount

INR SEVENTY-FIVE THOUSAND ONE HUNDRED SEVEN ONLY

Price: FOR, Destination (PJL site)

Scope of Works : -

Your Scope of work consists of calibration of monitoring equipment at PJL site.

Following Equipment Calibration required during visit at site.

Charges of above cited work is as per below :-

- 1-Calibration of Respirable Dust Sampler=6AURs3000= Rs18000
 - a)Orifice plate
- b)Time totalizer
- c)Rotameter
- 1. Price shall be firm and final till execution of order
- 2. Order Acceptance Form which is enclosed with the order should be signed and sent back to us as a token of acceptance .If not received within 15 days of dispatch of order it would be considered as acceptance of our order.
- 3. Materials to be despatched through our nominated transporter .

: 23AAACP6224A2Z4 **GSTIN**

FOR Prism Johnson Limited

TAN No

: JBPP02310A

PAN No

: AAACP6224A

1) Despatches are covered under Marine Insurance Policy No . 311700/21/2021/3 Dtd. 01.04.2020 valid upto 31.03.2021.

In case of payment through Bank, copy of despatch documents should be sent to our Accounts Department without which the bank documents will not be honoured

Registered Office: 305, Laxmi Niwas Apartments,

Amarpreet ,Hyderabad - 500 016. CIN: L26942TG1992PLC014033

Mumbai Office: 'Raheja's 2nd Floor, V.P. Road.

Santacruz(W),Mumbai - 400054

Form No.: F04(PUR-P-02)-A

(Page 1 of 4)

PRISM JOHNSON LIMITED

(Cement Division - Unit II)

Village: Mankahari, P.O.: Bathia

Tehsil: Rampur Baghelan, Distt.: Satn a, PIN- 485 111 (M.P.) India

: 07672 275301 Phone 07672-410357/275303 Purchase Order

PO No.: 3100157249 - P200

PO Date: 23.06.2020

Vendor Address

LES-Centre for Calibration Laboratory

K-307 ,UPSIDC Industrial Area.

Reference

Our Reference: 1300008796

Your Reference:

Payment Terms

Within 15 days

SITE-V,KASNA,GR.NOIDA, GA 201310, Uttar

Pradesh, INDIA

Eml 03.06.19

Please arrange to supply the following materials subject to terms and condition as per PO

Item/PIR

Material/Description

Quantity

UM

Del. Date

Amount

2-Calibration of Fine Particulate Sampler=4AURs2500=Rs10000

3-Calibration of Stack Monitoring Kit=1AU

Rs6000=Rs6000

- a)Pyrometer
- b) Differential Manometer
- c)Rotameters
- d)Pressure gauge
- e)Pitot Tube
- f) Nozzle
- 4-Calibration of Sound Level Meter=1AURs500=Rs500
- 5-Calibration of Electronic Balance=1AURs 1500 =Rs1500

Spare parts price & qty. tabulated below :-

- 1 Blower Brushless =1AURs13500 =Rs13500
- 2 RDS Caster Wheel =10AURs250=Rs2500
- Bia Hut 3 =10 AURs 250 =Rs 2500
- Mainscoad = 4 8AU Rs250=Rs
- 5 Rotameter = 1AU Rs1100=Rs1100
- O Ring = 6 20AU Rs50 =Rs1000
- Toggle Switch = 5 AURs 100 = Rs 500 7
- 8 Flush Fitting =2 AU Rs200=Rs 400
- PU Pipe 9 =5AU Rs150=Rs 750
- Silicon Pipe =2AURs200=Rs400 10
- RDS Cable = 10 AU 300 =Rs 3000

The Charges of above cited work is Rs=63650/-

- 1. Price shall be firm and final till execution of order
- 2. Order Acceptance Form which is enclosed with the order should be signed and sent back to us as a token of acceptance .If not received within 15 days of dispatch of order it would be considered as acceptance of our order.

FOR Prism Johnson Limited

3. Materials to be despatched through our nominated transporter.

GSTIN

: 23AAACP6224A2Z4

TAN No

: JBPP02310A

PAN No

: AAACP6224A

 Despatches are covered under Marine Insurance Policy No. 3/1700/21/2021/3 Dtd. 01.04.2020 valid upto 31.03.2021.

2) In case of payment through Bank, copy of despatch documents should be sent to our Accounts Department without which the bank documents will not be honoured.

Registered Office: 305, Laxmi Niwas Apartments,

Amarpreet ,Hyderabad - 500 016. CIN : L26942TG1992PLC014033

Mumbai Office: 'Raheja's 2nd Floor, V.P. Road.

Santacruz(W), Mumbai - 400054

Form No.: F04(PUR-P-02)-A

(Page2 of 4)

PRISM JOHNSON LIMITED

(Cemen ≠ Division - Unit II)

Village: Mankahari, P.O.: Bathia Tehsil: Rampur Baghelan,

Distt.: Satra a, PIN- 485 111 (M.P.) India : 07672 275301

Phone Fax

07672-410357/275303

Purchase Order

PO No.: 3100157249 - P200

PO Date: 23.06.2020

Vendor Address

LES-Centre for Calibration Laboratory K-307 .UP SIDC Industrial Area.

Reference

Payment Terms

Within 15 days

SITE-V.KASNA, GR.NOIDA, GA 201310, Uttar Pradesh, INDIA

1300008796 Your Reference: Eml 03.06.19

Our Reference :

Please arrange to supply the following materials subject to terms and condition as per PO

Item/PR

Material/Description

Quantity

UM

Del. Date

Rate

Amount

Special Note

- 1. You shall issue calibration certificate within 15 days after testing above instruments.
- 2. If required, Charges for Spares replaced shall be paid extra, at mutually agreed prices.

Duration: You will have to complete the job as per our instructions of our user within given period of time.Pl contact to our end user Mr. Sumitabh (Mob. No- 09109912455)

Payment :-

After completion of job you will provide bill to pollution control department for verification of job. Payment will be made within 15 days time after submission of bill and duly certified by the Department.

Lodging & Boarding:

PJL will provide Lodging & boarding for your service engineers during site visit.

You will arrange travelling for your team at your own cost.

Local Conveyance:

PJL will provide local conveyance for to & fro from Satna railway station to PJL site.

TDS shall be deducted as applicable.

WC Policy/ESI:

You shall take proper insurance policy at your cost to cover all the person working, including all of your equipment.

Any liability arising out of any accident or otherwise due to death of bodily injury or damage of property

- 1. Price shall be firm and final till execution of order
- 2. Order Acceptance Form which is enclosed with the order should be signed and sent back to us as a token of acceptance .If not received within 15 days of dispatch of order it would be considered as acceptance of our order.
- 3. Materials to be despatched through our nominated transporter.

GSTIN

: 23AAACP6224A2Z4

FOR Prism Johnson Limited

TAN No

: JBPP02310A

PAN No

: AAACP6224A

 Despatches are covered under Marine Insurance Policy No. 4311700/21/2021/3 Dtd. 01.04.2020 valid upto 31.03.2021.

In case of payment through Bank, copy of despatch documents should be sent to our Accounts Department without which the bank documents will not be honoured

Registered Office: 305, Laxmi Niwas Apartments,

Amarpreet , Hyderabad - 500 016 CIN: L26942TG1992PLC014033

Mumbai Office: 'Raheja's 2nd Floor, V.P. Road.

Santacruz(W), Mumbai - 400054

Form No.: F04(PUR-P-02)-A

(Page3 of 4)

PRISM JOHNSONLIMITED

(Cemen≰ Division - Unit II)

Village: Markahari, P.O.: Bathia Tehsil: Rampur Baghelan,

Distt.: Satre a, PIN- 485 111 (M.P.) India

: 07672 275301 Phone . 07672-410357/275303 Fax

Purchase Order

PO No.: 3100157249 - P200

PO Date: 23.06.2020

Vendor Address

LES-Centre for Calibration Laboratory

K-307 ,UP SIDC Industrial Area.

Reference

Payment Terms

Within 15 days

SITE-V,KASNA,GR.NOIDA, GA 201310, Uttar

Pradesh, INDIA

1300008796 Your Reference:

Our Reference:

Eml 03.06.19

Please arrange to supply the following materials subject to terms and condition as per PO

Item/PR

Material/Description

Quantity

UM

Del. Date

Amount

belonging to you personnel will be to your account.

PJL reserve the right to settel the issue and adjust to your account.

Billing :-

You will raise your invoice in duplicate in the title of PRISM JOHNSON LIMITED

(Cement Division - Unit II) PO: Bathia.

Tehsil: Rampur Baghelan

Vill: Mankahari

Dist: Satna (M.P.) .Please intimate us your PAN No / GSTIN. which is required for TDS purpose.

Regarding reimbursement of GST your Invoice should be submitted in duplicate and contain following

information:

Name & full address of Service Provider and their GSTIN No. and SAC code number.

Description / classification of taxable services.

Our GST Registration No. i.e.23AAACP6224A2Z4.

Value of the taxable service provided.

Amount of GST payable.

The invoice to be signed by Service provider or person authorized by such service provider.

You have to filing your GST return within due date without fail.

Disallowance of any Input Tax Credit on GST on account of incomplete document submitted by you shall be in your account and recovered from you.

Important Terms & Conditions :-

All other important Terms & Conditions as per Annexure II, III & IV attached, which forms the part of this order.

Please sign and return to us the duplicate copy of this order in token of your acceptance.

1. Price shall be firm and final till execution of order

2. Order Acceptance Form which is enclosed with the order should be signed and sent back to us as a token of acceptance .If not received within 15 days of dispatch of order it would be considered as acceptance of our order.

3. Materials to be despatched through our nominated transporter.

GSTIN

: 23AAACP6224A2Z4

TAN No

: JBPP02310A

PAN No

: AAACP6224A

Registered Office: 305, Laxmi Niwas Apartments,

Amarpreet ,Hyderabad - 500 016. CIN : L26942TG1992PLC014033

Mumbai Office: 'Raheja's 2nd Floor, V.P. Road,

Santacruz(W), Mumbai - 400054

FOR Prism Johnson Limited

1) Despatches are covered under Marine Insurance Policy No .

2/11700/21/2021/3 Dtd. 01.04.2020 valid upto 31.03.2021.

2) In case of payment through Bank, copy of despatch documents should be sent to our Accounts Department without which the bank documents will not be honoured.

Form No.: F04(PUR-P-02)-A

(Page4 of 4)



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN1/09/20 TEST REPORT ISSUE DATE: 30.09.2020

iality Manager

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : M/s Prism Johnson Ltd.

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan District- Satna (M.P.)

Sample Collected by : Mr. Maan Singh

Date of Monitoring : 21.09.2020 to 23.09.2020
Instrument Description : Noise Meter (Make:HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

SI. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Near PCL Colony	44.80	40.20
2.	Near Guest House	47.50	42.60
3.	Near Crusher Unit-II	60.10	51.70
4.	Near Admin. Building	55.90	49.30

Noise (Ambient Standard)

Area Code	Category of area	Limit in dB	(A) Leq
	- '	Day Time	Night Time
Α	Industrial Area	75	70
В	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	. 40

Note:

- 1. Day time is reckoned in between 6:00 AM and 10:00 PM.
- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.

 Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Anatyst

Authorized Signatory

Ecomen Laboratories Pvt. Ltd.

Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Aliganj, Lucknow-226024

Ph.-2746282, Fax:2745726



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1Zi

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN2/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : M/s Prism Johnson Ltd.

Hinauti-Sijahata&

Mankahari Limestone mines

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan District- Satna (M.P.)

Sample Collected by : Mr. Maan Singh

Date of Monitoring : 21.09.2020 to 23.09.2020 Instrument Description : Noise Meter (Make-HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

SI. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	At Mines site Office	60.85	52.90
2.	Near Western Block Garden	56.10	51.40
3.	Village Hinauti	44.85	38.10
4.	Village Sijahata	46,60	36.80

Noise (Ambient Standard)

Area Code	Category of area	Limit in dB	(A) Leq
		Day Time	Night Time
A	Industrial Area	75	70
В	Commercial Area	65	55
С	Residential Area	55	45
D	Silence Zone	50	40

Note:

- 1. Day time is reckoned in between 6:00 AM and 10:00 PM.
- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.

4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Analyst

Econien Laboratories Pvt. Ltd. Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Aligani, Lucknow-226024

Ph.-2746282, Fax:2745726

Quality Manager



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN3/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : M/s Prism Johnson Ltd.

Medhi Limestone mines

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan District- Satna(M.P.)

Sample Collected by : Mr. Maan Singh

Date of Monitoring ; 21.09.2020 to 23.09.2020 Instrument Description : Noise Meter (Make-HTC) Test Method : IS: 4412, Part-1 & 2, 1991

SI. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Near Nar Nala Bridge	44.80	38.20
2.	Near Medhi Mines Boundary Pillar No28	50.60	41.60
3.	Near Medhi Mines Boundary Pillar No23	54.30	48.20
4.	Village Malgaon	45.90	42.40

Noise (Ambient Standard)

Category of area	Limit in dB	(A) Leq
	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40
	Industrial Area Commercial Area Residential Area	Day Time Industrial Area 75 Commercial Area 65 Residential Area 55

Note:

- 1. Day time is reckoned in between 6:00 AM and 10:00 PM.
- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
- 4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

shashyor o

Authorized Signatory Ecomen Laboratories Pvt. I td.

Flat No.-8, 2nd Floor, Arif Chamber-V Sector-H, Aligani, Lucknow-226024

Ph.-2746282, Fax:2745726



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

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An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN4/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : M/s Prism Johnson Ltd.

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan District- Satna(M.P.)

Sample Collected by : Mr. Maan Singh

Date of Monitoring : 21.09.2020 to 23.09.2020
Instrument Description : Noise Meter (Make:HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

SI. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	At AdiwasiTola	50.80	43.10
2.	At BaisanTola	47.50	37.80
3,	South Site of Working Pit	54.60	50.90
4.	Near Boundary Pillar No.64	55.30	49.50

Noise (Ambient Standard)

Area Code	Category of area	Limit in	dB (A) Leq	
	Cambridge Excell	Day Time		Night Time
A	Industrial Area	75		70
В	Commercial Area	65	~	55
С	Residential Area	55		45
Ď	Silence Zone	50		40

Note:

- Day time is reckoned in between 6:00 AM and 10:00 PM.
- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
- Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Anatyst

Authorized Signatory

Quality Manager

Ecomen Laboratories Pvt. Ltd. Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Aliganj, Lucknow-226024 Ph.-2746282, Fax:2745726



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

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An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN5/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : M/s Prism Johnson Ltd.

Address of the Company : Village Mankahari

Tehsil Rampur Baghelan District- Satna(M.P.)

Sample Collected by : Mr. Maan Singh

Date of Monitoring : 21.09.2020 to 23.09.2020 Instrument Description : Noise Meter (Make:HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

SI. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Village Badarkha	45.10	40.90
2.	Village Hinauta	48.60	37.90
3.	Village Chulhi	44,90	40.40
4.	Village Kulhari	44.30	38.50

Noise (Ambient Standard)

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

Note:

- 1. Day time is reckoned in between 6:00 AM and 10:00 PM.
- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
- 4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Analyst

Authorized Signatory
Ecomen Laboratories Pvt. L. 1.
Flat No.-8, 2nd Floor, Arif Chamber-V
Sector-H, Aligni, Lucknow-226024

Ph.-2746282, Fax:2745726



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E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN1/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF NOISE LEVEL SURVEY

Name of the Customer

M/s Prism Johnson Ltd.

Address of the Customer

Village Mankahari

Tehsil Rampur Baghelan District- Satna (M.P.)

DISI Ma

Sample Collected by : Date of Monitoring :

Mr. Maan Singh

24.09.2020 to 26.09.2020

Instrument Description :

Noise Meter (Maske:HTC)

SI. No.	Locations	Leq Value în dB(A)	Protective Measures Adopted
Doze	r-155 A		
1	Operator's cabin idle running	64.8	Ear muff provided
2	Operator's Cabin running on load	81.6	Ear muff provided
Poela	in 300 CK		+
3	Operator's cabin idle running	73.8	Ear muff provided
4	Operator's Cabin while loading	76.3	Ear muff provided
HAU	LPAK-PH 40		
5	Operator's Cabin while being loaded	72.4	Ear muff provided
6	Operator's Cabin while hauling	74.5	Ear muff provided
7	Operator's Cabin unloading in the hopper of crusher	88.6 (For 20 Second)	Ear muff provided
8	Alarm (while Reversing of dumper)	102.0	Short Duration
ATL.	ASCOPCODRILL		
9	Operator's point while drilling	82.8	Ear muff provided
ROC	KBREAKER		
10	Operator's Cabin	73.5	Ear muff provided
HEA	VY BLASTING (INSTANTANEOUS)		
11	Blasting shelter	102.2	Momentary
12	At safe zone	84.9	
AMB	IENT NOISE LEVEL DURING WORK	ING HOURS	
13	Office Campus, Mines workshop, Outfield (Haul Road)	72.8	
14	Office Campus, Mines Workshop, Outfield (Haul Road) (at Night)	60.2	*

Analyst

Authorized-Signatory

Ecomen-Laboratories Pvt. I.td. Flat No.-8, 2nd Floor, Arif Chamber-v Sector-H, Alignoj, Lucknow-226024 Ph.-2746282, Fax:2745726 Quality Manager

	FY 2020-21							
	Water cons	sumption						
Month		Unit II						
	Ground Water Mines Pit							
UOM	KL	KL						
Apr	213	3164						
May	338	20316						
June	249	45957						
July	43	40418						
Aug	22	41547						
Sept	273	28648						



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/07

TEST REPORT NO:ECO LAB/WW/1243/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF WASTE WATER*

Name of the Company

: M/s. Prism Johnson Ltd.

Address of the Company

: Village Mankahari,

Tehsil Rampur Baghelan

Distt.Satna (M.P.)

Sampling Method Sample Collected by : APHA/ IS: 3025 : Mr.Maan Singh

Sample Quantity

: As per requirement.

Date of Sampling Date of Receiving

: 22.09.2020 : 23.09.2020

Date of Analysis

: 24.09.2020 to 27.09.2020

Source of Sample

: STP Inlet : ELW-12577

Sample ID Code :

SI. No.	TESTS	PROTOCOL	RESULT	Limits of Detection	
ı	рН	APHA, 23 rd Ed. 2017, 4500H+ A+B	6.82	2-12	
2	Total Suspended Solids(mg/l)	APHA, 23 rd Ed. 2017, 2540-D	153.2	5.0-1000	
3	Oil & Grease as O & G (mg/l)	APHA, 23 rd Ed. 2017, 5520 A+B+D	BDL	5.0-600	
4	Biochemical Oxygen Demand as BOD (mg/l) 3days at 27°C	APHA, 23rd Ed. 2017, 5210 A+B	40.0	5-10000	
5	Chemical Oxygen Demand as COD (mg/l)	APHA, 23 rd Ed. 2017, 5220 A+C	152,0	5-50000	

^{*}The result are related only to item tested.

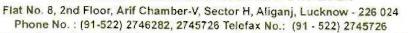
BDL = Below Detection Limit

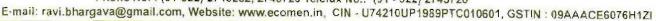
Authorized signatory

Ecomen-Laboratories Pvt. Ltd.

Flat No.-8, 2nd Phoor, Arif Chamber-V

Sector-H, Aligani, Lucknow-226024 Ph.-2746282, Fax:2745726 Quality Manager





An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/07

TEST REPORT NO:ECO LAB/WW/1243/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF WASTE WATER*

Name of the Company

: M/s. Prism Johnson Ltd.

Address of the Company

: Village Mankahari,

Tehsil Rampur Baghelan

Distt.Satna (M.P.)

Sampling Method

: APHA/ IS: 3025

Sample Collected by

: Mr.Maan Singh

Sample Quantity

: As per requirement.

Date of Sampling Date of Receiving

: 22.09.2020 : 23.09.2020

Date of Analysis

: 24.09.2020 to 27.09.2020

Source of Sample

: STP Outlet

Sample ID Code

: ELW-12578

SI, No.	TESTS	PROTOCOL	RESULT	Limits of Detection	G.S.R 1265 (E)	
1	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	6.92	2-12	6,5-9,0	
2	Total Suspended Solids (mg/I)	APHA, 23 rd Ed. 2017, 2540-D	18.0	5.0-1000	<100.0	
3	Oil & Grease as O & G (mg/l)	APHA, 23 rd Ed. 2017, 5520 A+B+D	BDL	5.0-600		
4	Biochemical Oxygen Demand as BOD (mg/l) 3days at 27°C	APHA, 23 rd Ed. 2017, 5210 A+B	6.5	5-10000	30.0	
5	Chemical Oxygen Demand as COD (mg/l)	APHA, 23rd Ed. 2017, 5220 A+C	34.0	5-50000	-	
6.	Fecal Coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017, 9221 A + E	166.0	-	<1000	

^{*}The result are related only to item tested.

BDL = Below Detection Limit

Analyst

Authorized signatory

Quality Manager

Ecomen-Laboratories Pvt. Ltd.

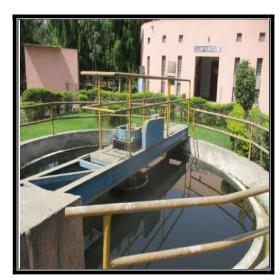
Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Aligani, Lucknow-226024

Ph.-2746282, Fax:2745726

Sewage Treatment Plant Capacity: 600 KLD









Green Belt development









1. Rain water harvesting pond in Mines





2.Roof top Rain water harvesting Structures:-





3. Recharge Shaft with Abandoned bore-wells: Pits of size 3 X 3 X 3 M has been made around three abandoned bore- well inside plant premises to augment the ground water level as the rainwater is directly injected into ground water table, after filtration.



4.Construction of Percolation Tank with Bore Holes: A big percolation tank of size 46.5 X 3.5 X 1.5 Meter is made with four numbers of boreholes. Perforations made in the casing inside recharge structure and wrapped with fine net. Excavated pit has been filled with conventional filters.



5. Recharge Bore Hole for Recharging the Ground Water:



5. Deeping of Ponds and construction of water harvesting structure in nearby villages:





6. Construction of water reservoir at Baghai village for water conservation:



2020-2021

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)
					2020 - 21(Sept'20)
1	Roof - Project office	386	1.191	0.85	390.7671
2	Roof - School	1150	1.191	0.85	1164.2025
3	Roof of MRSS	1900	1.191	0.85	1923.465
4	Roof of Cement Mill Load Center U2	1100	1.191	0.85	1113.585
5	Roof General Store	2000	1.191	0.85	2024.7
6	Cooler Load Centre U1	1100	1.191	0.85	1113.585
7	Cooler Load Centre U2	1000	1.191	0.85	1012.35
8	Runoff Water Harvesting Structure Near Guest House	30000	1.191	0.3	10719
9	Groundwater Recharge with Abandoned Bore well - 1	10000	1.191	0.3	3573
10	Groundwater Recharge with Abandoned Bore well - 2	10000	1.191	0.3	3573
11	Groundwater Recharge with Abandoned Bore well - 3	2500	1.191	0.85	2530.875
12	Groundwater Recharge Pit	9746	1.191	0.85	9866.3631
12	Connected with Storm Drain -	17307	1.191	0.3	6183.7911
13	Groundwater Recharge Pit	22828	1.191	0.85	23109.9258
13	Connected with Storm Drain -	47748	1.191	0.3	17060.3604
14	Ground water recharge with abandoned bore well near steel yard	40000	1.191	0.85	40494
15	New security Barrack	10000	0.735	0.85	6247.5
	j	800	0.367	0.3	88.08
16	Durtech shed	30000	0.367	0.85	9358.5
	-		•	•	141547.05

भारतसरकार खानमंत्रालय भारतीय खानब्यूरो क्षेत्रीय खाननियंत्रक काकार्यालय



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

ম. MP/Satna/Limestone /M.Sch.-86/14-15 /2443 .

जबलपुर, दिनांक :06/04/2015

सेवामें

M/s Prism Cement Ltd., Rajdeep, RewaRoad Satna, District Satna(MP)Pin 485001

विषय:--

म0प्र0 राज्य के सतना जिले में रिधत आपकी हिनौती एवं सिजेहटा (Hinauti&Sijhatta) लाइमस्टोन खान (क्षेत्र 772.067 है0)के एमसीडीआर—1988 के नियम 12 के अंतर्गत जमा किए गए मइनिंग स्कीम का अनुमोदन।

संदर्भ :--

- आपके/आरक्यूपीके द्वारा जमा किया गया प्रक्रिया शुल्क के रसीद संख्या 42112 दि० 01/12/2014,आपके/आरक्यूपी के पत्र क्रमांक MINE/2015-15062 दि० 18/02/2015 एवं MINE/2015-15091 दि० 10/03/2015 |.
- 2) इस कार्यालय का समसंख्यक पत्र दि 29/01/2015

महोदय,

खनिज संरक्षण एवं विकास नियमावली, 1988 के नियम 12 के उपनियम (4) के द्वारा प्रदत्त शक्तियों के अधीन एतद ब्दारा म0प्र0 राज्य के सतना जिले में स्थित आपकी हिनौती एवं सिजेहटा (Hinauti&Sijhatta) लाइमस्टोन खान (क्षेत्र 772.067 है0)की माइनिंग स्कीम का अनुमोदन प्रदान करता हूँ। यह अनुमोदन निम्नलिखित शर्ती 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.

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.

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.

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 44,25,000 (Rs. Forty Four Lac Twenty Five Thousand only) valid upto 31/03/2020 and next Financial Assurance shall be submitted on or before 31/03/2020
- 7 This approval is restricted in respect of proposals given in the document for the period from 2015-16 to 2019-20 validity upto 31/03/2020 from the date of approval, subject to all other statutory clearances

8 The next scheme of mining will be due for submission on 01/12/2019.

9 The Environmental Monitoring Cell shall be established by the company. This Environmental Monitoring Cell of the company, shall continue monitoring ambient air quality, dust-fall rate, water quality, soil sample analysis and noise level measurements at various stations established for the purpose both in the core zone and buffer zone as per requirement of Environment Guidelines and keeping in view IBM's circular No. 3/92 & 2/93 season-wise every year or by engaging the services of an Environmental Laboratory approved by MOEF/CPCB. The data so generated shall be maintained in a bound paged register kept for the purpose and the same shall be made available to the inspecting officer, on demand

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 ofmining 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 माइनिंग स्कीम की एक प्रति के साथ।

भवदीय (एस० आर० रॉय) क्षेत्रीय खाननियंत्रक भारतीय खानब्यूरो

1. मान्यता प्राप्त व्यक्ति श्री रवि शंकर शुक्ला,आर०क्यू०पी० एवं उप प्रवंधक जियोलाजी में० प्रिज्म सीमेंट लि० राजदीप रीवा रोड सतना , जिला सतना (म०प्र०) ४८५००१ को सूचनार्थ प्रेषित ।
2. मान्यता प्राप्त व्यक्ति श्री पियूष गुप्ता ,आर०क्यू०पी० एवं उप प्रवंधक खान में० प्रिज्म सीमेंट लि० राजदीप रीवा रोड सतना , जिला सतना (म०प्र०) ४८५००१ को सूचनार्थ प्रेषित ।
3. संचालक, संचालनालय भौमिकी तथा खनिकर्म, 'खनिजभवन' २९–ए, अरेरा हिल्स, भोपाल (म०प्र०) को

अनुमोदित माइनिंग स्कीम की एक प्रति के साथ रजिस्टर्ड डाक द्वारा प्रेषित ।

(एस० आर० रॉय) क्षेत्रीय खाननियंत्रक भारतीय खानब्यूरो

रजिस्टर्ड / साधारण डाक

भारतसरकार खानमंत्रालय भारतीय खानब्यूरो क्षेत्रीय खाननियंत्रक काकार्यालय



GOVERNMENT OF INDIA MINISTRY OF MINES INDIAN BUREAU OF MINES 0/0 THE REGIONAL CONTROLLER OF MINES

Jabalpur,dt. : 4/11/2016

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

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

विषय:- म0प्र0 राज्य के सतना जिले में स्थित आपकी मेंढी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594हें0) के एमसीडीआए-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 दि0- 30/05/2016, आपका पत्र क्रमांक कुछ नहीं दि० 23/05/2016 एवं 19/09/2016।

2) इस कार्यालय का समसंख्यक पत्र दि0-12/09/2016।

महोदय.

खनिज संरक्षण एवं विकास नियमावली, 1988 के नियम 12 के उपनियम (4) के द्वारा प्रदत्त शक्तियों के अधीन एतद द्वारा म0प्र0 राज्य के सतना जिले में स्थित आपकी मेंढी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594हैं)) की माइनिंग स्कीम का अनुमोदन प्रदान करता हूँ। यह अनुमोदन निम्नलिखित शर्तों के अधीन

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.

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.

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.

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

- 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
- 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.
- 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.
- The next scheme of mining will be due for submission on 01/12/2020.
- 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।

मारत सरकार खान मंत्रालय मारतीय खान ब्यूरो क्षेत्रीय खान नियंत्रक का कार्यालय



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

जबलपुर, दिनांक : 29 / 02 / 2016

सं. MP/Satna/Limestone /M.Sch.-35/2015-16 177/

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

विषय:- म0प्र0 राज्य के सतना जिले में स्थित आपकी बगहई (Bagahai)लाइमस्टोन खान (क्षेत्र 512.317है0) के एमसीडीआर-1988 के नियम 12 के अंतर्गत जमा किए गए माइनिंग स्कीम का अनुमोदन।

संदर्भ :- 1) आपके/आरक्यूपी के द्वारा जमा किया गया प्रक्रिया शुल्क के रसीद संख्या J/46 दि0 17/11/2015, आपके/आरक्यूपी के पत्र क्रमांक कुछ नहीं दि0 10/02/2016।

2) इस कार्यालय का समसंख्यक पत्र दि 13/01/2016

महोदय.

खनिज संरक्षण एवं विकास नियमावली, 1988 के नियम 12 के उपनियम (4) के द्वारा प्रदत्त शक्तियों के अधीन एतद् व्वारा म0प्र0 राज्य के सतना जिले में स्थित आपकी बगहई (Bagahai)लाइमस्टोन खान (क्षेत्र 512.317हे0)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.

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 33,24,000/-(Rs. Thirty Three Lac Twenty Four Thousand only) valid upto 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 upto 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 The Environmental Monitoring Cell shall be established by the company. This Environmental Monitoring Cell of the company, shall continue monitoring ambient air quality, dust-fall rate, water quality, soil sample analysis and noise level measurements at various stations established for the purpose both in the core zone and buffer zone as per requirement of Environment Guidelines and keeping in view IBM's circular No. 3/92 & 2/93 season-wise every year or by engaging the services of an Environmental Laboratory approved by MOEF/CPCB. The data so generated shall be maintained in a bound paged register kept for the purpose and the same shall be made available to the inspecting officer, on demand

संलग्न:-अनुमोदित माइनिंग स्कीम की एक प्रति के साथ।

(एस० आर० रॉय) खान नियंत्रक एवं (I/C) क्षेत्रीय कार्यालय

भारतीय खान ब्यूरो, जबलपुर

प्रतिलिपि :-

- 1. मान्यता प्राप्त व्यक्ति श्री संजय सिंह बघेल, मकान नं० सी—75, प्रिज्म सीमेन्ट लि० कालोनी, मनकहरी, पो०आ० बाठिया, तह० रामपुर बघेलान, जिला—सतना (म०प्र०) 485111 को सूचनार्थ प्रेषित ।
- 2. मान्यता प्राप्त व्यक्ति श्री विनोद कुमार गिरी,राजेन्द्र नगर, स्ट्रीट-9, सतना, जिला-सतना (म०प्र०) 485001 को सूचनार्थ प्रेषित ।
- संचालक, संचालनालय भौमिकी तथा खनिकर्म, 'खनिजभवन' 29-ए, अरेरा हिल्स, भोपाल (म०प्र०) को अनुमोदित माइनिंग स्कीम की एक प्रति के साथ रिजस्टर्ड डाक द्वारा प्रेषित ।

(एस० आर० रॉय) खान नियंत्रक एवं (I/C) क्षेत्रीय कार्यालय भारतीय खान ब्यूरो, जबलपुर

पता./ Address योजनाकमांक 11 कमलानेहरू नगर, जबलपुर 482002 (म०प्र०) Scheme No.11, Kamla Nehru Nagar, Jabalpur, 482002 (M.P.)फोन/ Phone : 2416780, 2416589, 2416231फैक्स/Fax:(0761) 2416780

गारत शरकार खान मंत्रालय भारतीय खान व्यूशे क्षेत्रीय खान नियंत्रक का कार्यालय



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

File No.- MP/Satna/Limestone /RMP-44/17-18

Jabalpur, dt.: 27/04/2017

M/s Prism Cement Limited, Rajdeep, Rewa Road, Satna (M.P.) 485001

विषय:- म0प्र0 राज्य के **सतना** जिले में स्थित आपकी **प्रिज्म सीमेंट लाइमस्टोन खान (क्षेत्र 99.416 है0)** के एमसीआर- 2016 के नियम 17 (1) के अंतर्गत जमा किए गए खनन् योजना के पुनर्विलोकन का अनुमोदन।

संदर्भ :-1) आपके द्वारा जमा किये गये प्रक्रिया शुल्क की रसीद संख्या J/427, दि० 22/03/2017. आपका/क्यू पी० का पत्र क्रमांक - कुछ नहीं, दि० 20/03/2017 एवं 19/04/2017। 2) इस कार्यालय का समसंख्यक पत्र दि०- 13/04/2017।

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) Act, 1957 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.

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. 54,37,800/- (Rs. Fifty Four Lakh Thirty Seven Thousand Eight Hundred only) is valid up to 31/03/2022 (Your kind attention for enhancement of financial assurance as per rule 27 of MCDR, 2017) and next Financial Assurance shall be submitted on or before 31/03/2022.

7 This approval is restricted in respect of proposals given in the document for the period from 2017-18 to 2021-22 with validity up to 31/03/2022, 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.

In the approved document, wherever Rule 12(3) of MCDR, 1988 is mentioned, it should be read as Rule 17(1) of Minerals (Other than Atomic and Hydrocarbon Energy Minerals) Concession Rules, 2016.

10 The next Review of Mining Plan will be due for submission on 01/10/2021.

11 This approval is restricted to Major Mineral only and any reflection of minor mineral in the document is under purview of State Government.

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.

13. As per Undertaking dated 14/04/2017 appended with Review of Mining Plan, wherein it is stated that the boundary pillars of the remaining blocks will be erected during next six month, in this regard a Surface Plan showing all boundary pillars as well as their co-ordinates may be submitted to this office within 6(six) month of period from the date of issue of this letter.

संलग्न:-अनुमोदित पुनर्विलोकन खनन् योजना की एक प्रति के साथ।

भवदीय,

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



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

फा0 सं0 - MP/Satna/Limestone/MPLN /MOD-63/2017-1833 6 \$ जबलपुर, दिनांक : \6 / 10 / 2017 सेवा में,

मे0 प्रिज्म सीमेंट लिमिटेड, राजदीप, रीवा रोड, सतना

जिला– सतना (म0प्र0) 485001

विषय:— म०प्र० राज्य के **सतना** जिले में स्थित आपकी **बगहाई लाइमस्टोन खान (क्षेत्र 512.317 हे०**) के एमसीआर—2016 के नियम 17 (3) के अंतर्गत जमा किए गए अनुमोदित माइनिंग प्लान के लिए प्रस्तुत संशोधन का अनुमोदन।

संदर्भ :-1) आपके द्वारा जमा किये गये प्रक्रिया शुल्क की रसीद संख्या J/550, दि० 15/09/2017, आपका/क्यू0पी0 का पत्र, दि० 04/09/2017 एवं 10/10/2017।

2) इस कार्यालय का समसंख्यक पत्र दि0— 26/09/2017।

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) Act, 1957 read with Government of India Order no. S.O.1857(E),dated 18/05/2016, I hereby **approve** the above said Modification in approved Mining Plan including Progressive Mine Closure Plan submitted under Rule 17(3) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- The Modification in approved 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.
- 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.
- It is clarified that the approval of aforesaid 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.
- 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.
- 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.
- The Financial Assurance submitted by you for Rs. 3,98,88,000/- (Rs. Three Crore Ninety Eight Lakh Eighty Eight Thousand only) is valid up to 31/03/2021 (Your kind attention for enhancement of submitted on or before 31/03/2021.
- This approval is restricted in respect of proposals given in the document for the period from 2017-18 to 2020-21 with validity up to 31/03/2021, 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.
- The modification in approved mining plan is approved subject to extension of period of mining lease as per Mines and Minerals (Development and Regulation) Amendment Act 2015.
- This approval is restricted to Major Mineral only and any reflection of minor mineral in the document is under purview of State Government.
- 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 संशोधित माइनिंग प्लान की एक प्रति के साथ।

40 dla 16 hoet, 2017

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

खान मंत्रालय भारतीय खान ब्यूरो क्षेत्रीय खान नियंत्रक का कार्यालय



MINISTRY OF MINES INDIAN BUREAU OF MINES O/O THE REGIONAL CONTROLLER OF MINES

फां रंं - MP/Satna/ Limestone /MPLN /MOD-30/2018-19

जबलपुर, दिनांक : 14/12/2018

प्रिंत, में प्रिज्म जॉनसन लिमिटेड, राजदीप, रीवा रोड, सतना जिला– सतना (म०प्र०) 485001

विषयः— मटप्र० राज्य के सतना जिले में स्थित आपकी बगहाई (BAGAHAI) लाइमस्टोन खान (क्षेत्र 512.317 है0) के एमसीआर—2016 के नियम 17(3) के अंतर्गत जमा किए गए अनुमोदित माइनिंग प्लान के लिए प्रस्तुत संशोधन का अनुमोदन।

संदर्भ :-1) आपका / क्यू०पी० का पत्र क्रमांक- PJL/MINE/BG/2018/538, दि० 14 / 10 / 2018, प्रक्रिया शुल्क की रसीद संख्या J/838, दि० 30 / 10 / 2018 | 2) इस कार्यालय का समसंख्यक पत्र दि०- 20 / 11 / 2018 |

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, 1 hereby approve the above said Modification in approved Mining Plan including Progressive Mine Closure Plan submitted under Rule 17(3) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- 1 The Modification in approved 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 Modified 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.
- The Financial Assurance submitted by you for Rs. 3,98,88,000/- (Rs. Three Crore Ninety Eight Lakh Eighty Eight Thousand only) is 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 2018-19 to 2020-21 with validity up to 31/03/2021, 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 modification in approved mining plan is approved subject to extension of period of mining lease as per Mines and Minerals (Development and Regulation) Amendment Act 2015.
- 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 संशोधित माइनिंग प्लान की एक प्रति के साथ।

भवटीय

14th Dec, 2018 (रजनीश पुरोहित)

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 to1810E and -1130N to-1155N	6.0
D2	1670E to1720E 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 to1531N	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

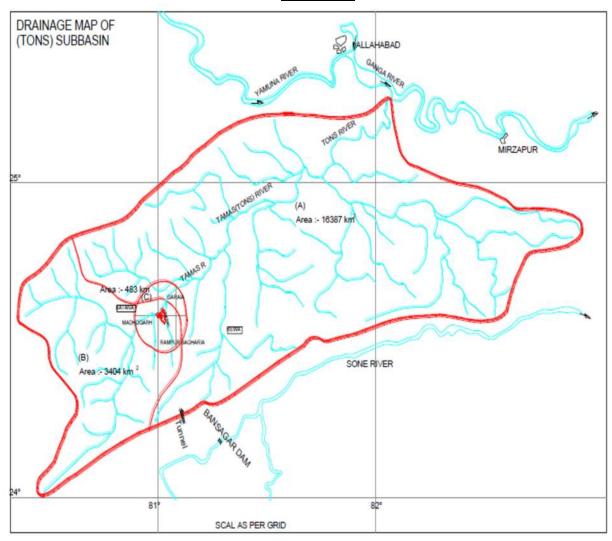
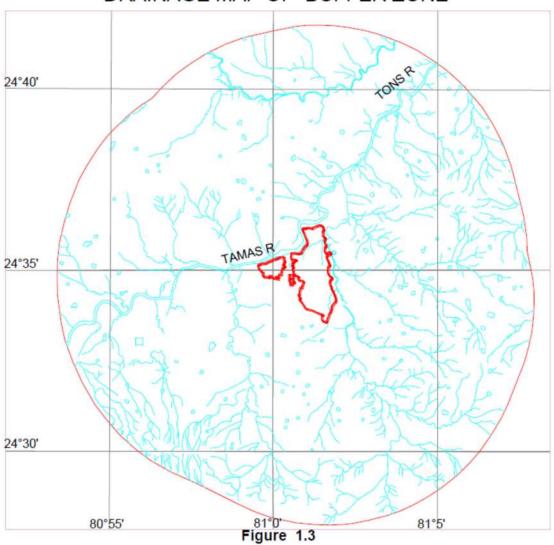


FIGURE-3

DRAINAGE MAP OF BUFFER ZONE



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**).

<u>TABLE NO.2</u> Year wise rainfall data (2008 to 2014) : Satna and Mine Site

Month/	2008	20	09	20	10	20	11	20	12	20	13	2014
Year	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 Bhander series. The general trend of Bhander Limestone is East - Northeast to West - Southwest having low southerly dips of less than 5⁰. The litho stratigraphy of Vindhyan formation is given in **Table NO.3**

TABLE NO.3 Litho stratigraphy of Satna District

Supergroup	Group	Formation			
13 70	Bhander Group	Maihar Sandstone Sirbu Shale Bhander Limestone			
Windham Carram	Rewa Group	Sandstone and shale Sandstone and shale			
Vindhyan Supergroup	Kaimur Group				
	UNCONFORMITY				
	Semri Group	Rohtas Formation Khemjua Formation Porcellance Formation Basal Formation			
	UNCONFORMITY	1			
Bunde	ekhand granites/Bijaw	ar 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 or 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 our 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 REOCMMENDATION:

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.

ECOMEN LABORATORIES PVT. LTD.



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO: ECO LAB/DW/1243/09/20

TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF DRINKING WATER*

Name of the Company : M/s. Prism Johnson Ltd.

Address of the Company: Village Mankahari, Tehsil Rampur Baghelan

Distt.Satna (M.P.)

Sampling Method : APHA/1S: 3025 Sample Collected by Sample Quantity

: Mr.Maan Singh : As per requirement.

Date of Sampling Date of Receiving

: 22.09.2020 : 23.09.2020

Date of Analysis Source of Sample : 24.09.2020 to 27.09.2020 : Plant Site - Bore Well

Sample ID Code : ELW-12586

SL No.	TESTS	PROTOCOL	RESULT	Detection Range	INDIAN STANDARDS as per IS 10500;1991(Reaff:2012)	
					Desirable	Permissible
1.	Colour (Hazen unit)	APHA, 23 rd £4, 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23rd Ed. 2017, 2150 B	APHA, 23rd Ed. 2017, 2150 B Agreesble Qualitative		Agreeable	Agreeable
3.	Taste	APHA, 23rd Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NIU)	APHA, 23rd Ed. 2017, 2130-A+B	BDL.	1 - 100	1,0	5.0
5.	рH	APHA, 23rd Ed. 2017, 4500H+ A+B	7.29	2.0 -12	6.5-8.5	No Relax.
6,	Total Disselved Solids as TDS (mg/l)	APHA, 23rd Ed. 2017, 2540-C	532.0	5 = 5000	500	2000
7.	Alkalinity (mg/l)	АРИА, 23 ^{r3} Ed. 2017, 2320 A+ В	128.0	5-1500	200	600
8.	Total Hardness as CaCO ₂ (mg/l)	APHA, 23 rd Ed. 2017, 2340 A+C	192.0	5-1500	200,0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23rd Ed. 2017, 3500 Ca A+B	48.0	5-1000	75.0	200.0
10,	Magnesium as Mg (mg/l)	APHA, 23rd Ed. 2017, 3500 Mg A+B	17,49	5-1000	30.0	100,0
11.	Chloride as Cl (mg/l)	APHA, 23rd Ed. 2017, 4500 Cl A+B	36.0	5-1000	250.0	1,000.0
12.	Fluorides as F (mg/l)	APHA, 23rd Ed. 2017, 4500-C	0.35	0.05-10	2.0	1.5
13.	Sulface as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ² E	92.3	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₂ (mg/l)	APHA, 23rd Ed. 2017, 4500-NO ₅ B	10.23	5.0 - 100	45.0	No Relax.
15.	Manganese as Mr (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.1-5	0.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	0.11	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 230 Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmhum as Cd (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19,	Nickel as Nt (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0,02-5	0.02	No Relax
20.	Arsenic as As (mg/l)	APHA, 23rd Ed. 2017, 3114 C	BDL.	0.01-2	0.01	0.05
21.	Total Chromium 23 Cr (mg/l)	APHA, 23rd Ed. 2017, 3111 - A +B	BDL =	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23™ Ed. 2017, 3112 A+B	BDL	0.001-1	0.001	No Relax.
23	Copper as Cu (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BOL	0.05-5	0.05	1,5
24.	Boron as B (mg/l)	APHA, 23 ^{r4} Ed. 2017, 4500 B A+C	0.25	0.2 - 10	0,5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23rd Ed. 2017 (3111-A+B)	BUL	1.0-190	0.03	0.2
26.	Free Residual Chiorine (mg/l)	APRIA, 23rd Ed. 2017, 4500-C1 B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H2S (mg/l)	APHA, 23N Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28.	lodide as I (mg/I)	APHA, 23rd Ed. 2017, 4500 IB	BDL	0.1-10		
29.	Iron as Fe (mg/li)	APHA, 23rd Ed. 2017, 3500 Fe B	0.15	0.02-50	0.3	No Relax.
30.	Total coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017, 9221 B+C	Absent	1,8	Absent	Absent
31.	E.coll (Nos/100)	APHA, 23 rd Ed. 2017, 9221B+E	Absent	1.8	Absent	Absent

*The result are related only to item tested.

BDL Below Detection Limit

Authorized signatory

Ecomen Laboratories Pvt. Ltd. Flat No.-8, 2nd Ploot, Arif Chamber-V Sector-H, Aliganj, Lucknow-226024 Ph.-2746282, Fax:2745726

ECOMEN LABORATORIES PVT. LTD.



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/23 REPORT NO: ECO LAB/Piezo/GW/1243/09/20 TEST REPORT ISSUE DATE:

REPORT OF WATER LEVEL MEASUREMENT

Name of the Customer

: M/s. Prism Johnson Ltd. : Village - Mankahari,

Address of the Customer

Tehsil - Rampur Baghelan

Distt.Satna (M.P.)

Measurement by

: Mr. Maan Singh

Date of Measurement

: September 22th, 2020

Sl. No.	Piezometer Name.	Water Level (meter)
1.	Near Colony Gate	6.4
2.	In front of Den	2.5
3.	Behind B Block Colony	2
4.	Behind C block colony	1.5
5.	Near New Magzine Mines	10.7
6.	Mines near Ramprasan	9.3
7.	Mankahari Mines	15.8
8.	Western Block Mines	7.6
9.	Mendhi Mines	4.5
10.	Near Auto workshop	10.6
11.	Rose Garden near boundry	11
12.	Rose Garden near Road	8.9

Authorized signatory

Ecomen-Laboratories Pvt. Ltd. Fint No.-8, 2nd Ploor, Arif Chamber-V

Tetor-H, Aligani, Lucknow-226024 h.-2746282, Fax:2745726



Date/Time Trigger Source Vert at 12:22:03 April 1, 2019 Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

Range Record Time Geo: 254.0 mm/s

1.75 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes Location:

Client:

User Name: PRISM:CEMENT:LTD

General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone PSPL.

Linear Weighting

0.683 pa.(L) at 0.042 sec

ZC Freq

20 Hz

Channel Test Passed (Freq = 19.7 Hz Amp = 1270 mv)

	Tran	Vert	Long	
PPV	1.048	3.310	0.859	mm/s
ZC Freq	2.9	64	5.3	Hz
Time (Rel. to Trig)	0.106	0.003	0.126	. sec
Peak Acceleration	0.034	0.267	0.048	g
Peak Displacement	0.045	0.013	0.020	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.3	Hz
Overswing Ratio	3.5	3.3	3.6	

Peak Vector Sum 3.313 mm/s at 0.003 sec

Serial Number Battery Level

UM8131 V 10-76 Micromate ISEE

3.8 Volts

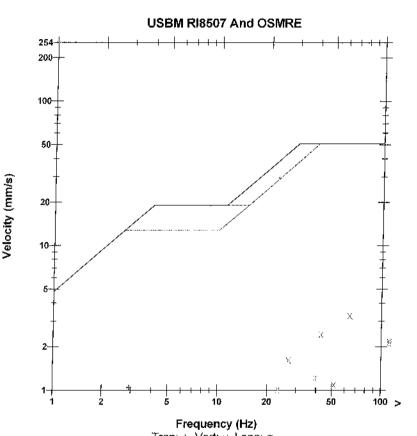
Unit Calibration

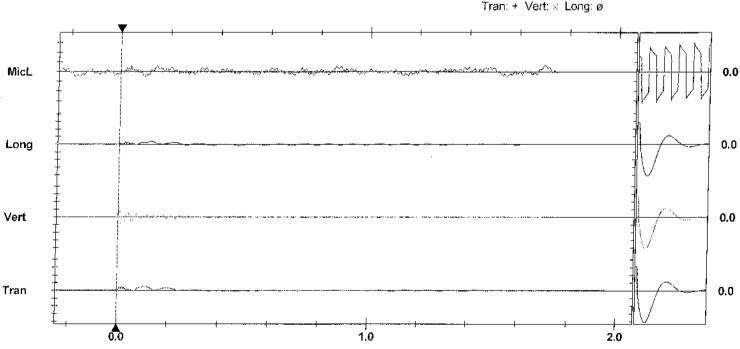
February 26, 2018 by UES New Delhi UM8131_20190401122203.IDFW File Name

Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

Eastern block 2nd bench, No of holes -34 nos, Depth - 7 Mtrs Charge/delay - 25 Kg/delay, Obsevation Distance - 200 Mtr





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

Sensor Check

Printed: April 16, 2019 (V 10.72 - 10.72)



Date/Time Tran at 11:46:51 April 9, 2019
Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

Range Geo : 254.0 mm/s
Record Time 3.75 sec at 1024 sps
Operator/Setup: Operator/SSB.MMB

NotesLocation:
Client:

User Name: PRISM:CEMENT:LTD

General:

Extended Notes
PRISM CEMENT LIMESTONE MINES

MicrophoneLinear WeightingPSPL0.574 pa.(L) at 1.888 sec

ZC Freq 6.7 Hz

Channel Test Passed (Freq = 19.7 Hz Amp = 1207 mv)

	Tran	Vert	Long	
PPV	2.759	0.749	1.576	mm/s
ZC Freq	9.7	19	8.7	Hz
Time (Rel. to Trig)	1.841	2.180	0.272	sec
Peak Acceleration	0.019	0.012	0.012	g
Peak Displacement	0.043	0.019	0.029	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	3.4	3.4	3.9	

Peak Vector Sum 3,135 mm/s at 1,841 sec

Serial Number UM8131 V 10-76 Micromate ISEE

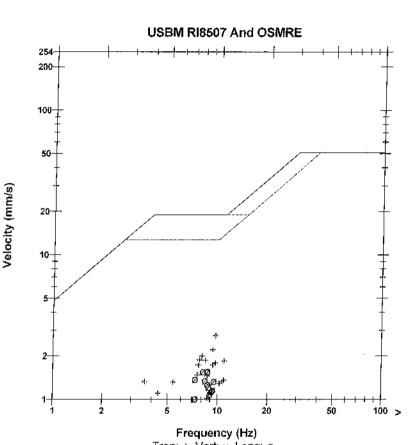
Battery Level 3.8 Volts

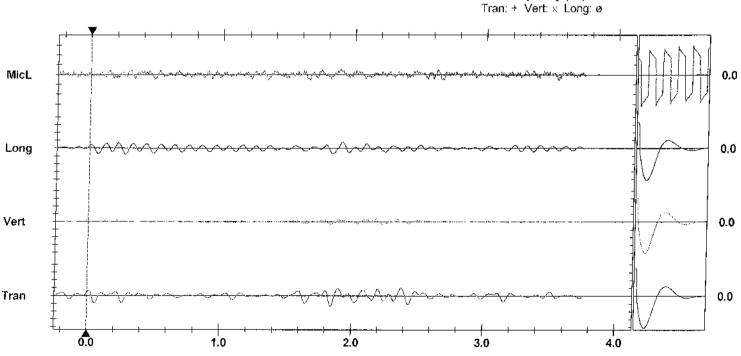
Unit Calibration February 26, 2018 by UES New Delhi UM8131_20190409114651.IDFW

Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

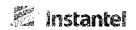
H 10 1st bench, No of holes -41 nos, Depth - 7 Mtrs Charge/delay - 45.4 Kg/delay, Obsevation Distance - 200 Mtr





Sensor Check

Printed: April 27, 2019 (V 10.72 - 10.72)



Date/Time

Tran at 10:30:03 April 5, 2019

Trigger Source Range

Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

Geo: 254.0 mm/s Record Time 5.0 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes Location; Client:

User Name: PRISM:CEMENT:LTD

General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone

Linear Weighting

PSPL

0.822 pa.(L) at 2.860 sec

ZC Freq

3,3 Hz

Channel Test Passed (Freq = 19.7 Hz Amp = 1227 mv)

	Tran	Vert	Long	
PPV	2.491	1.001	2.703	mm/s
2C Freq	10	12	8.3	Hz
Time (Rel. to Trig)	2.941	2.795	2.154	seç
Peak Acceleration	0.024	0.037	0.016	g
Peak Displacement	0.044	0.010	0.050	mm
Jensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7. 1	Hz
Overswing Ratio	3.6	3.3	3.6	

Peak Vector Sum 2.743 mm/s at 2.155 sec

Serial Number Battery Level

UM8131 V 10-76 Micromate ISEE

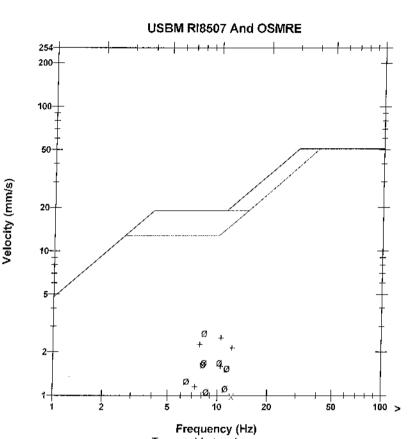
3.8 Volts

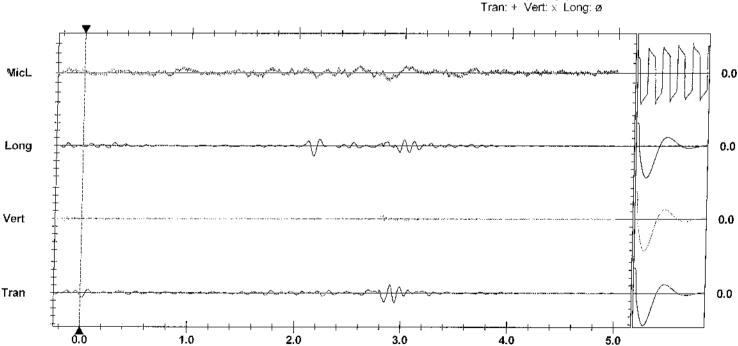
Unit Calibration February 26, 2018 by UES New Delhi File Name UM8131 20190405103003.IDFW

Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

Sijhata 3rd bench, No of holes -28 nos, Depth - 6 Mtrs Charge/delay - 16 Kg/delay, Obsevation Distance - 250 Mtr





Printed: April 27, 2019 (V 10.72 - 10.72)

Format © 1995-2014 Xmark Corporation

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

Sensor Check



Velocity (mm/s)

Date/Time Trigger Source

Vert at 11:32:31 April 5, 2019

Range

Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

Geo: 254.0 mm/s Record Time 5.0 sec at 1024 sps Operator/Setup: Operator/SSB MMB

Notes Location:

Client: User Name: PRISM:CEMENT:LTD

General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone

Linear Weighting

PSPL

0.636 pa.(L) at 4.490 sec

ZC Freq

5.0 Hz

Channel Test Passed (Freq = 19.7 Hz Amp = 1226 mv)

	Tran	Vert	Long	
PPV	0.638	1,167	0.607	mm/s
ZC Freq	6.9	22	9.1	Hz
Time (Ref. to Trig)	0.225	0.022	-0.215	sec
Peak Acceleration	0.008	0.025	0.006	g
Peak Displacement	0.012	0.008	0.009	mm
Jensor Check	Passed	Passed	Passed	
Frequency	7.1	7.5	7.1	Hz
Overswing Ratio	3.3	3.2	3.3	

Peak Vector Sum 1.234 mm/s at 0.022 sec

Serial Number UM8131 V 10-76 Micromate ISEE

Battery Level 3.8 Volts

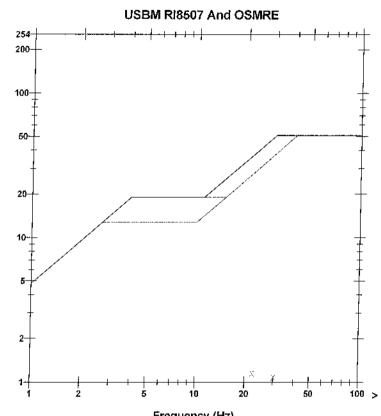
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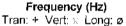
Scaled Distance 16.9 (100.0 m, 35.0 kg)

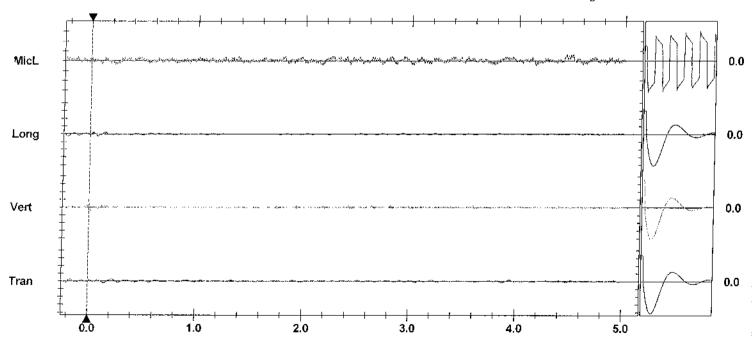
Post Event Notes

H 19 1st bench, No of holes -04 nos, Depth - 6 Mtrs

Charge/delay - 18.75 Kg/delay, Obsevation Distance - 150 Mtr







Trigger = ▶

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

Sensor Check

Printed: April 27, 2019 (V 10.72 - 10.72)



Date/Time

Tran at 10:42:18 April 6, 2019

Trigger Source

Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

Range Record Time Geo: 254.0 mm/s

2.991 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes Location:

Client: User Name: PRISM:CEMENT:LTD

General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone

Linear Weighting

PSPL

4.220 pa.(L) at 1.423 sec

ZC Freq

4.0 Hz

Channel Test Passed (Freq = 19.7 Hz Amp = 1217 mv)

	Tran	Vert	Long	
PPV	4.272	1.293	3.476	mm/s
ZC Freq	7.0	6.5	9.1	Hz
Time (Rel. to Trig)	2.043	1.714	1.760	sec
Peak Acceleration	0.028	0.023	0.022	g
Peak Displacement	0.097	0.022	0.061	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.4	3.2	3.6	

Peak Vector Sum 4,517 mm/s at 2,043 sec

Serial Number **Battery Level**

UM8131 V 10-76 Micromate ISEE

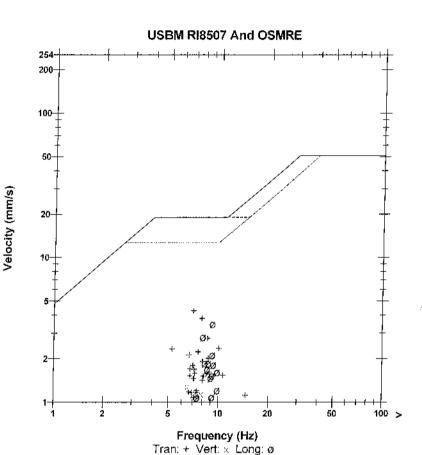
3.8 Volts

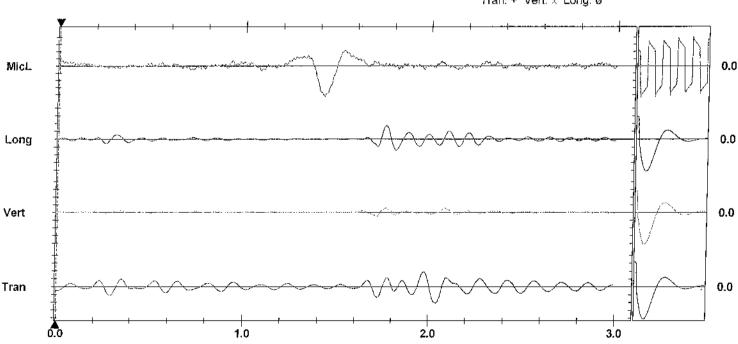
Unit Calibration February 26, 2018 by UES New Delhi File Name UM8131 20190406104218.IDFW

Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

7050 2nd bench, No of holes -36 nos, Depth - 6.5 Mtrs Charge/delay - 32.5 Kg/delay, Obsevation Distance - 200 Mtr





Trigger = -

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

Sensor Check

Printed: April 27, 2019 (V 10.72 - 10.72)



Date/Time Trigger Source Tran at 10:32:26 April 8, 2019

Range Record Time Geo: 0.900 mm/s, Mic: 2.000 pa.(L) Geo: 254.0 mm/s

1.75 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes Location:

Client:

User Name: PRISM:CEMENT:LTD

General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone

Linear Weighting

PSPL

0.621 pa.(L) at -0.205 sec

ZC Freq

10 Hz

Channel Test Passed (Freq = 19.7 Hz Amp = 1210 mv)

	Tran	Vert	Long	
PPV	3.681	0.891	1.356	mm/s
ZC Freq	9.7	8.8	11	Hz
Time (Rel. to Trig)	0.705	0.134	0.959	sec
Peak Acceleration	0.026	0.014	0.012	g
Peak Displacement	0.060	0.019	0.025	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.5	3.3	3.5	

Peak Vector Sum 3,697 mm/s at 0,705 sec

UM8131 V 10-76 Micromate ISEE Serial Number

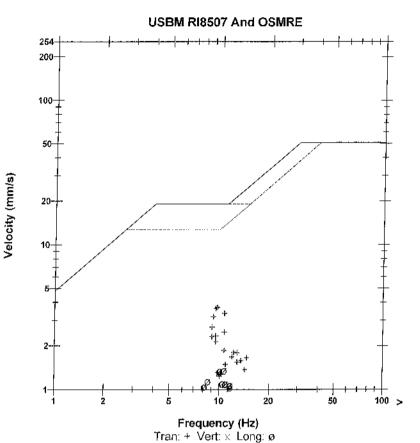
Battery Level 3.8 Volts

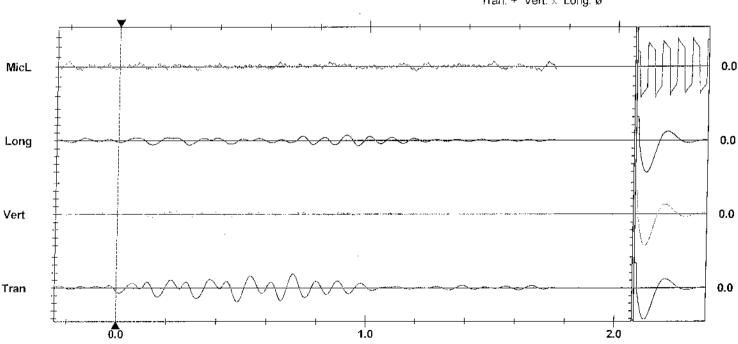
Unit Calibration February 26, 2018 by UES New Delhi File Name UM8131_20190408103226.IDFW

Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

EPR 2nd bench, No of holes -32 nos, Depth - 6.5 Mtrs Charge/delay - 17.9 Kg/delay, Obsevation Distance - 150 Mtr





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

Sensor Check

Printed: April 27, 2019 (V 10.72 - 10.72)



Date/Time **Trigger Source**

Tran at 10:34:05 April 9, 2019 Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

Range **Record Time** Geo: 254.0 mm/s

3.25 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes Location:

Client:

User Name: PRISM: CEMENT: LTD

General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone

Linear Weighting

PSPL

0.714 pa.(L) at 0.962 sec

ZC Freq

11 Hz

Channel Test Passed (Freg = 19.7 Hz Amp = 1205 mv)

	Tran	Vert	Long	
PPV	4.398	0.631	1.608	mm/s
ZC Freq	9.3	7.0	9.5	Hz
Time (Rel. to Trig)	0.501	0.303	0.896	sec
Peak Acceleration	0.027	0.016	0.013	g
Peak Displacement	0.073	0.013	0.026	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.4	3.2	3.3	
ZC Freq Time (Rel. to Trig) Peak Acceleration Peak Displacement ensor Check	9.3 0.501 0.027 0.073 Passed 7.3	7.0 0.303 0.016 0.013 Passed 7.7	9.5 0.896 0.013 0.026 Passed 7.1	Hz sec g mm

Peak Vector Sum 4.437 mm/s at 0.501 sec

UM8131 V 10-76 Micromate ISEE Serial Number

Battery Level 3.8 Volts

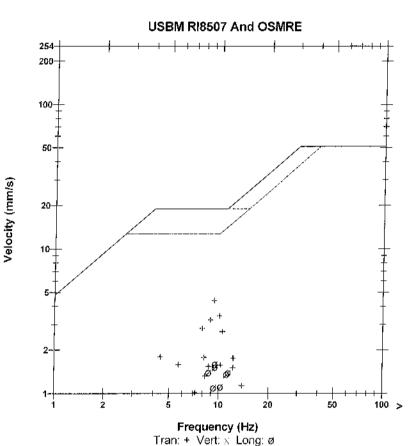
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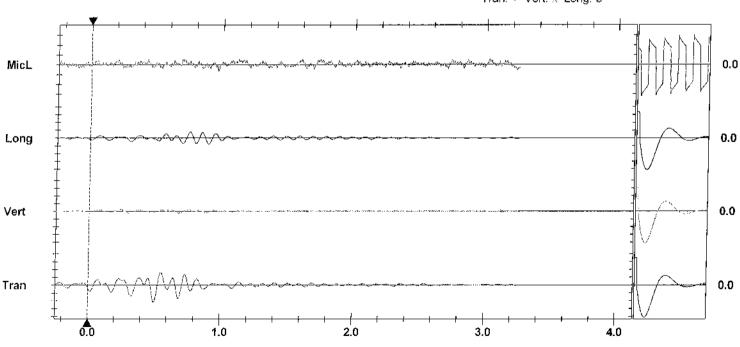
Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

H 16 1st bench, No of holes -43 nos, Depth - 7 Mtrs

Charge/delay - 32.56 Kg/delay, Obsevation Distance - 200 Mtr





Trigger = >

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

Sensor Check

Printed: April 27, 2019 (V 10.72 - 10.72)

Monitoring land use/land cover change using remote sensing and GIS techniques Final Report

"Digital Processing Lease Area-(772 Ha, 512 Ha., 117 Ha, & 99 Ha) using remote sensing is required for Monitoring land use pattern" for Prism Johnson Ltd (Formerly Prism cement Ltd) in Satna, Madhya Pradesh.



Purchase Order.

PO No : 3100123562 - P200

PO Date: 02.06.2017

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







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9	Conclusion:	15





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 63D/14, 63H/2 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.
- **6.** 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. 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

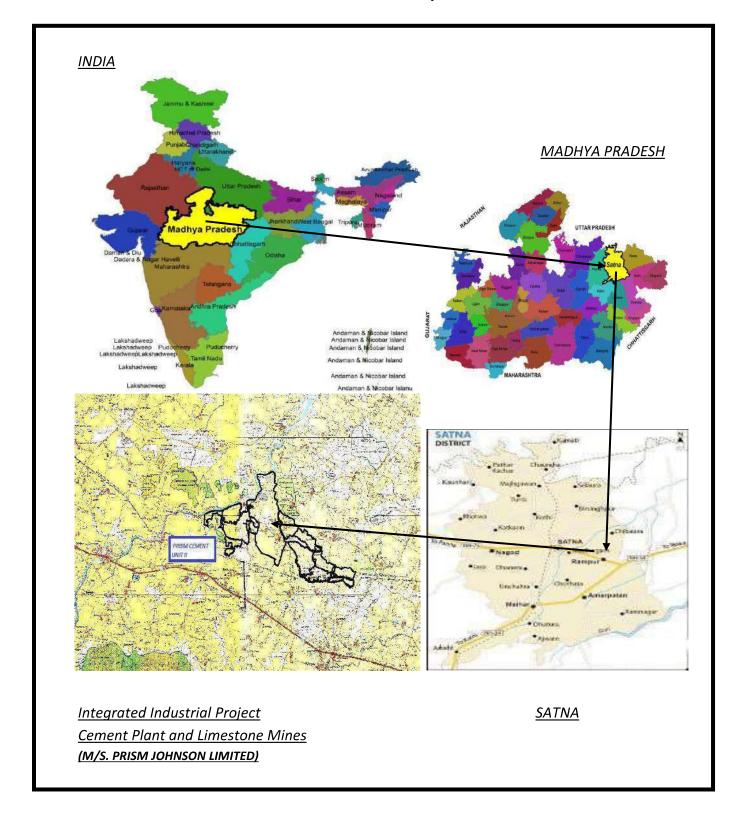
Details	Cement Plant	Hinouti & Sijhatta	Mendhi Lime	Baghai Limestone
		Lime stone	stone Mine	Mine (512.317)
		(772.067 & 99.416)	(117.594)	
Village	Mankhari	Hinouti & Sijhatta	Mendhi	Baghai
Tehsil	Rampur,Baghelan	Rampur,Baghelan	Rampur,Baghelan	Rampur,Baghelan
District	Satna	Satna	Satna	Satna
State	Madhya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

Toposheet No.	63D/14&63H/2	63D/14&63H/2	63H/2	63H/2		
National		N.H 39 Gw	alior to Rewa			
Highway						
Nearest River	Tamas River 2.15	Adjecnt to the	Tamas River 3.5	Tamas River:		
	Km.	boundary (In NW	Km. (NW of	4 Km. (NW of		
		direction)	Baghai)	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)	Satna (24 Km)	Satna (23 Km)		
		Towards west	Towards west	Towards west		
Nearest Railway	Satna railway	Satna on the	Satna on the	Satna on the		
station	station (20Km.)	jabalpur-	jabalpur-	jabalpur-		
		Allahabad board	Allahabad board	Allahabad board		
		gauge section of	gauge section of	gauge section of		
		west central	west central	west central		
		Railway (18 KM.)	Railway (22 KM.)	Railway (20 KM.)		
Nearest Airport	Khajuraho (120	Khajuraho (120				
	Km.)	Km.)				





Location Map







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 63D/14, 63H/2 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 troth 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 63D/14, 63H/2 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 10.2 software for land use analysis.

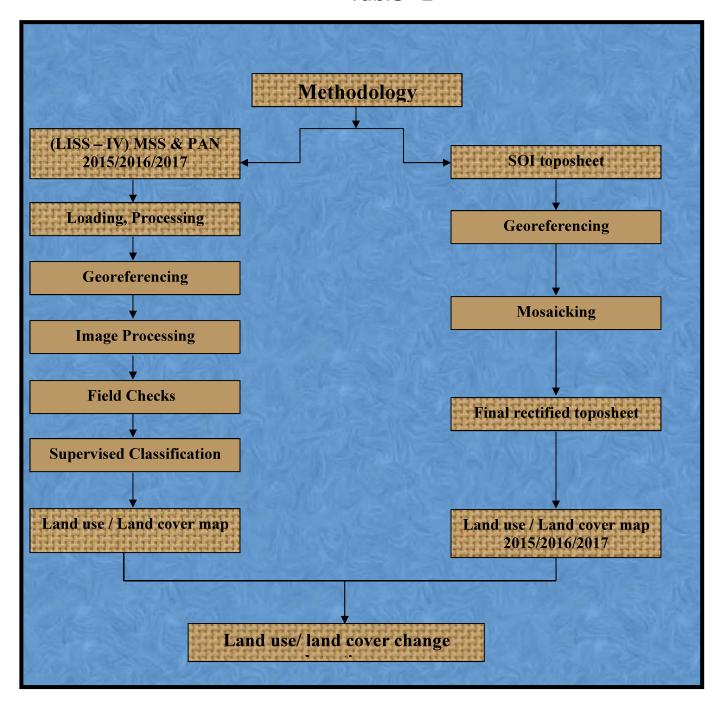
There are number of steps involved between RAW satellite data procurement and preparation of final maps. National Remote sensing Centre (NRSC). Hyderabad, being the nodal agency for satellite data supply in India , Provides only RAW digital satellite data , which needs further digital image processing 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.





Table - 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, topo-sheet are procured for creation of vector database.

Satellite data processing:

Satellite data are processed using *DIGITAL IMAGE PROCESSING SOFTWARE*. Mythology involves the following major steps.

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, Georeferencing is required for correction of image data using ground control points (GCP) to make it compatible to SOI topo-sheet.

Image enhancement:

To improve the interpretability 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.

Training set selection & Collection and compilation of the existing data from PCL:

Training set have been selected, so that software can classify the image data accurately. The image data are analyzed based on the interpretation keys. These keys are evolved from certain fundamental image-elements such as tone/colour ,size ,shape ,texture pattern, location, association and shadow. Based on the image-elements and other geo-technical elements like land form, drainage pattern and physiographic, training sets were selected/identified for each land use/land cover class. Field survey was carried out by taking selective traverses in order to *collect the ground information* (or reference data)







Fig:-Field verification of Agriculture Land in Prism Johnson Ltd. Area



Fig:- Field verification of forest Land in Prism Johnson Ltd. Area



Fig:- Field verification of Mines Land in Prism Cement Area







Fig:- Field verification of water body in Prism Johnson Ltd. Area

So that training sets are selected accurately in the image. This was intended to serve as an aid for classification.

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.

Area Calculation:

The area of each land use class in the leasehold is determined using DIGITAL IMAGE PROCESSING SOFTWARE.

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.

Pre-field map preparation:

Pre-field map preparation for validation of the classification





2.1. Finding of Study:

Land use /land cover information derived from IRS LISS- IV 2017 (Figure 1). 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 (Table 3). 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.

2.2 Baghai Lime stone Mine Land use Details 2017 (512.317)

Table - 3 Baghai Lime stone Mine Land use Details 2017 (512.317)			
Description Area In Ha			
CropLand	458.8092		
Agriculture-Fallow	9.2298		
Built up Land	11.8575		
Soil Dump	12.3770		
Limestone Quarry	15.1784		
Drainage / water Body	1.1873		
Plantation	3.3147		
Road	0.3631		
Total 512.317			

2.3 Mendhi Lime stone Mine 2017 (117 Ha.)

Land use /land cover information derived from *IRS LISS- IV 2017* (Figure 2). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution (Table 4). 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 2017* (117 Ha).

Table - 4 Mendhi Lime stone Mine 2017 (117 Ha.)			
Description	Area In Ha		
Plantation	1.2808		
Crop Land	95.5976		
Built up Land	6.1461		
Agriculture-Fallow	4.3925		
Road	1.1885		
Soil Dump	0.3761		
Limestone Quarry	8.0184		
Total	117.00		





2.4. Hinouti & Sijhatta Lime stone Mine 2017 (772.067 & 99.416 ha)

Land use /land cover information derived from *IRS LISS- IV 2017* (Figure 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 (Table 5). 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 2017* (772.067 & 99.416 HA).

Table -5 Hinouti & Sijhatta Lime stone Mine 2017 (772.067 & 99.416 ha)			
Description Area In Ha			
Crop Land	595.4182		
Plantation	22.4750		
Limestone Quarry	126.7440		
Soil Dump	12.2434		
Built up Land	65.5346		
Waste Land	14.9238		
Road	3.6411		
Water Body	16.2891		
Mines Out Land	8.4304		
AgricultureFallowLand	5.4858		
Total 871.5830			





3.1 Land use/Land Cover Map Of Buffer Zone with 10 Sq.km. -2017 (Figure 4):

Table - 6

Land use Details of Buffer Zone - 2017			
Description LIS S - IV MS S & PAN-2017	Area in Ha		
Cement plant unit II Boundary	136.0071		
Settlements	3267.3492		
Agriculture Fallow	21.2843		
Dense Forest	2470.3527		
Dumping Land	30.7898		
Lime Stone Quarry	374.3870		
Open Scrub	1663.7952		
Mines Out Land	42.1503		
Plantation	357.7716		
River	684.9461		
Road	84.2638		
Waste Land	14.9238		
Crop Land	52969.9118		
Water Body	374.7978		
Open Mix Jungle	105.5879		
Total	62598.3184		





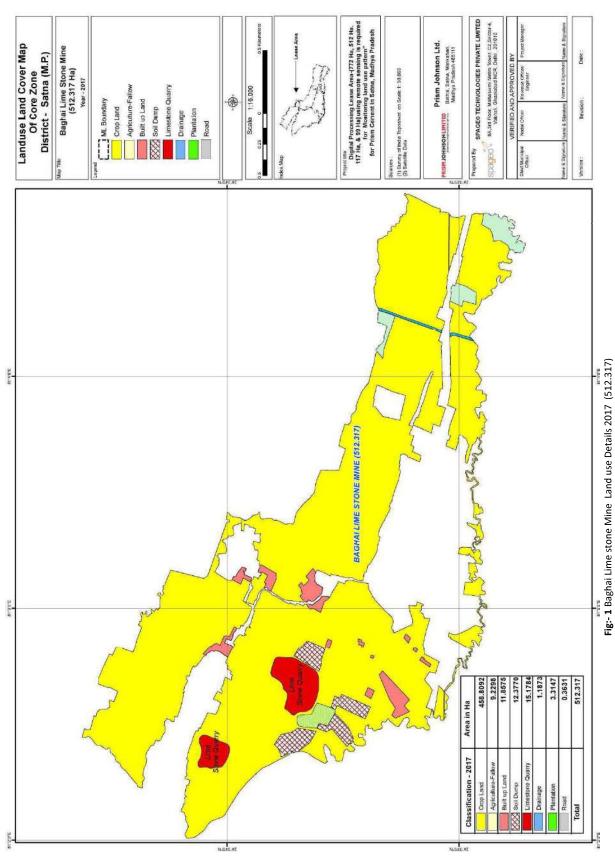
4. Conclusion:

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 2017 in the table no-6. There is expansion to the tune of 126 ha of Mining Lease boundary area noticed. 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.











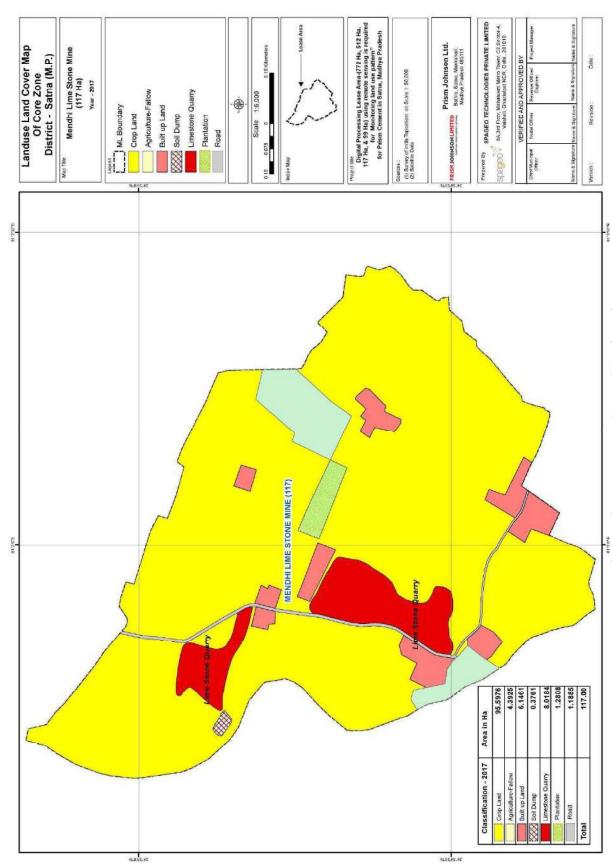
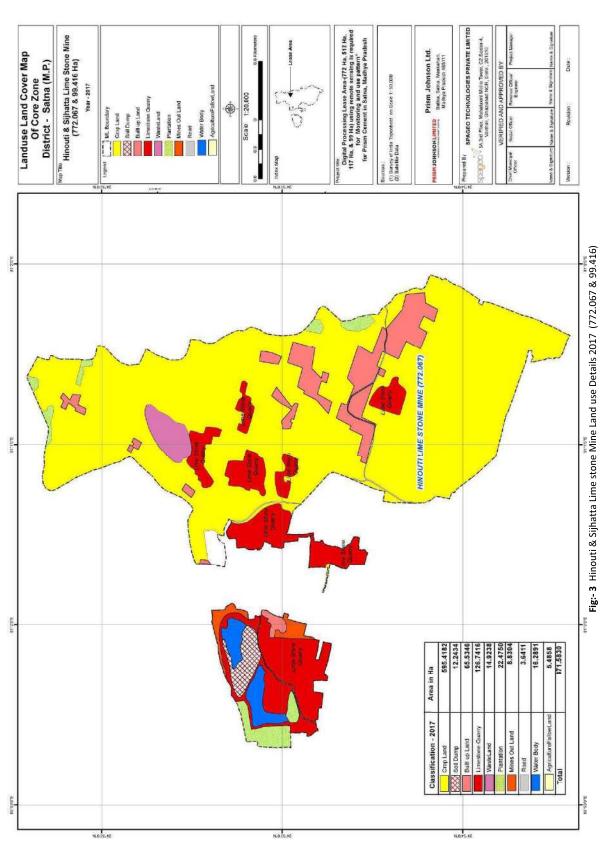


Fig:- 2 Mendhi Lime stone Mine Land use Details 2017 (117 Ha.)

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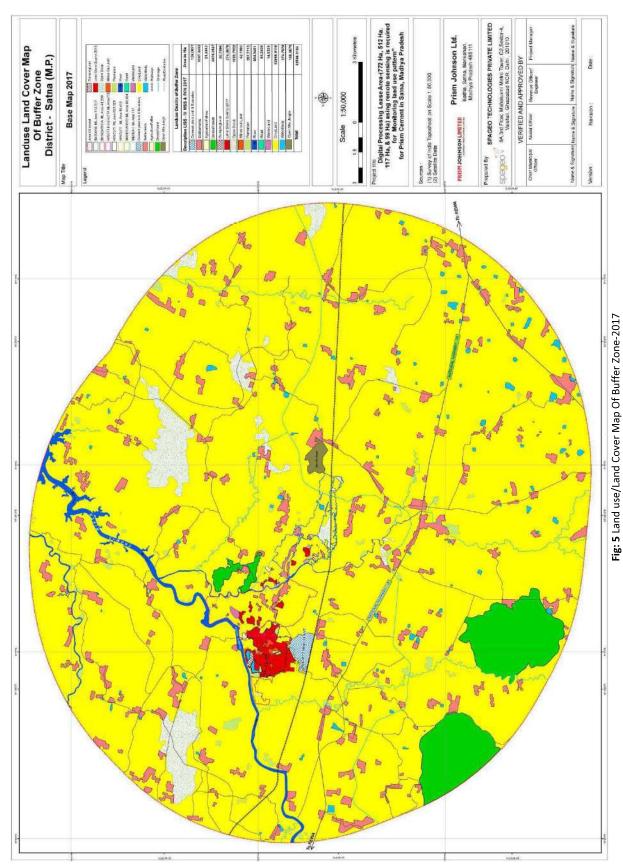












ANNEXURE-9 19

STATUS OF COMMITMENTS MADE DURING PUBLIC HEARING HELD ON 22.05.2008

Name of Candidate	Suggestions & Points raised	Reply of Project Proponent	Present Status
Mrs. Guddi devi, Chairperson "Garib Sangh Samiti" Bamhauri, Satna	a) Admission on merit and free of fee for admission	Provision for proper facilities will be considered	Admission is given to the students of surrounding villages as per availability of seats and guidelines of the company
	b) Plantation to be done from plant gate to Mahuracch Junction	Agreed, plantation will be done during rainy season	Plantation is being done on road side and around the Mankahari Pond
	c) Street light facility from Plant gate to Mahuracch Junction	Work will be taken up by the management as per financial position of the company	Few lamp posts have been established and will be extended in phase wise
	d) Permanent employment to effected person	Employment will be granted as per rules and regulations of company	Employment and other facilities are being provided to affected persons
'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
Mithilesh – (student) Bamhauri, Satna	Appeal of Pollution Control in industry	All pollution control acts will be complied with	All due provisions have been made to combat pollution likely to be caused. Details of APCEs are as under Raw mill/ Kiln – Bag House (1) Cooler – ESP (1) Coal Mill – Bag House (1) Cement mills – Bag House (2) Segar filters installed to cover all the transfer points Arrangement of water sprinkling at crusher hopper and limestone conveyor bet
	Mrs. Guddi devi, Chairperson "Garib Sangh Samiti" Bamhauri, Satna 'Sarpanch' Village Panchayat – Bathia, Satna Mithilesh – (student)	Mrs. Guddi devi, Chairperson "Garib Sangh Samiti" Bamhauri, Satna b) Plantation to be done from plant gate to Mahuracch Junction c) Street light facility from Plant gate to Mahuracch Junction d) Permanent employment to effected person 'Sarpanch' Village Panchayat – Bathia, Satna Mithilesh – (student) Appeal of Pollution Control in industry	Mrs. Guddi devi, Chairperson "Garib Sangh Samiti" Bamhauri, Satna b) Plantation to be done from plant gate to Mahuracch Junction c) Street light facility from Plant gate to Mahuracch Junction c) Street light facility from Plant gate to Mahuracch Junction d) Permanent employment to effected person 'Sarpanch' Village Panchayat – Bathia, Satna Mithilesh – (student) Admission on merit and free of fee for admission Agreed, plantation will be done during rainy season Work will be taken up by the management as per financial position of the company Employment will be granted as per rules and regulations of company All pollution control acts will be

				through tankers
4	Mr. Triloki Singh Baghel, Village – Bamhauri, Satna	a) Priority to employment for eligible persons	Employment will be granted as per rules and regulations of company	Employment is being given to eligible persons as per rules framed by the company
		b) Construction of Stadium in the ground of Higher Secondary School	Action will be taken	Play ground has been rehabilitated. Maintenance is done as per requirement.
		c) Permanent water & electricity supply in school	Adequate action will be taken	Water & Electricity supply are available at school
		d) Admission for village children to Prism Bhawan School	Admission will be granted as per rules and regulation of company	Admissions is being given to village students as per availability of seats
		e) To & fro School Bus facility to Satna for the students of villages	Provision for proper facilities will be considered	School bus service has been provided to students of villages for
		f) Distribution of sports material to Panchayat	Adequate action will be taken	commuting to Satna Study and sports materials are being distributed to village students
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	All due provisions have been made to combat pollution likely to be caused. 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- 90 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
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-LARGE

CCA-Renewal VALIDITY (A/W): 30/06/2021 CONSENT NO: ***

PCB ID: 13880

Outward No:100175,25/04/2020

Consent No:AW-51451

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 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: Your Application Receipt No. 956623 Dt. 11/01/2020 and last communication received on Dt.25/02/2020.

With reference to your above application, the renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board agreed to grant renewal of consent up to 30/06/2021, subject to the fulfillment of the terms & conditions incorporated in consent to operate for expansion issued vide order outward no. 55415 dt. 24.07.2017, CCA- Amendment outward no. 87440 dt. 22/10/2018, CCA-Amendment for use of Petcoke vide outward no. 87549 dt.15/11/2018, its subsequent renewal orders & 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. 112652

c. Product & Production Capacity:

Product	CTE Qty./Year	CCA Qty./Year	Applied CCA 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.

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

The Validity of the consent is up to 30/06/2021 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



e-Signed On 25/04/2020 12:46:42 (Organic Authentication on AADHAR from UIDAI Server) TPAV # KX2Y234S21



R.S. KORI Member Secretary

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 $0.000~\rm KL/day$, and the daily quantity of generation shall not exceed $200.000~\rm KL/day$
- 2. Sewage Treatment :- The applicant shall operate sewage treatment system and maintain the same properly to achieve following standards notified vide GSR No. 1265(E) Dt. 13.10.2017:-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27 ⁰ C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease Fecal Coliform (FC) MPN/100ml	Not exceed Not exceed	10 mg/l. 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 (Quantity in Kld.)	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. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.
- 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. 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.
- 8. 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 shell 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.

 Consent No:AW-51451

Consent Order



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

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.

9. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a monthly Discharge Monitoring report on line to the Board.

10. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

11. 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.

12. 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 in 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.
- 13. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:

Storm water shall not be allowed to mix with effluent, treated sewage or floor washing. Storm water shall be channelized through separate drain(S) as per natural gradient passing through lined pits each having holding capacity of 10 minutes (Hourly average) of rain fall for its catchment area.

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 air pollution control system and maintain continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Stack height	Fuel	Control equipment installed	$P.M, SO_X, NO_X$
	(mtrs.)			(mg/Nm3)
Cement Mill – 2 nos.	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,	30,100,800

- 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:
 - 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 (PM2.5 μg/m³ 24 hrs. basis)
 - c. Sulphur Dioxide [SO2] (24 hrs. Basis) 80 µg/m³
 - d. Nitrogen Oxides [NOx] (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. Industry 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 shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.
- 6. 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.
- 7. The industry shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises
- 8. 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.
- 9. 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.
- 10. 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.

Additional Air condition:

- 1. 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.
- 2. The industry shall provide pneumatic system for the handling & shall comply with the monitoring protocol as decided by the CPCB for the use of AFR . The industry is permitted to use of Biomass –120 MT, Carbon Black –18000 MT, Polythene waste/Plastic waste/ Pouches etc. –60 MT & Rice Husk –15000 MT per annum as AFR and chemical Gypsum 75000MT, chemical waste gypsum- 36000 MT per annum as raw material.
- 3. 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.
- 7.Sufficient 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.

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.
- 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 case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.
- 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 & Air Pollution Control act, 1981 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 applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent.
- 9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
- 10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
- 11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the Water Act or the Air Act.
- 12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:
 - (a) Violation of any terms and conditions of this Consent.
 - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
 - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
- 13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

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. The authorization under Hazardous & Other wastes (Management & Transboundary Movement) Rules 2016 will expire on dt. 31.12.2020 & it shall be kept valid. Timely application shall be submitted for the renewal of the same.

Consent Order



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

- 3. Time bound action plan shall be submitted by the industry for ensure improvement in housekeeping by regular movement of sweeping machine. A logbook shall be maintained for the same and arrangement shall also be made for collection of solid waste scattered in the plant premises
- 4. 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 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. 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.



e-Signed On 25/04/2020 12:46:42 (Organic Authentication on AADHAR from UIDAI Server) TPAV # KX2Y234S21



R.S. KORI Member Secretary

ECOMEN LABORATORIES PVT. LTD.

ecoMen

Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/07

TEST REPORT NO:ECO LAB/WW/1243/09/20 TEST REPORT ISSUE DATE: 30.09.2020

TEST REPORT OF WASTE WATER*

Name of the Company

: M/s. Prism Johnson Ltd.

Address of the Company

: Village Mankahari,

Tehsil Rampur Baghelan Distt.Satna (M.P.)

Sampling Method

: APHA/ IS: 3025

Sample Collected by Sample Quantity

: Mr.Maan Singh

Date of Sampling

: As per requirement. : 22.09.2020

Date of Receiving Date of Analysis

: 23.09.2020

: 24.09.2020 to 27.09.2020

Source of Sample

: Mine Workshop after separate Treated Water

Sample ID Code

: ELW-12579

SI. No.	TESTS	PROTOCOL	RESULT	Limits of Detection	G.S.R 1265 (E)
1	рН	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.45	2-12	6.5-9.0
2	Total Suspended Solid as TSS (mg/l)	APHA, 23 rd Ed. 2017, 2540-D	22.0	5.0-1000	<100.0
3	Oil & Grease as O & G (mg/l)	APHA, 23rd Ed. 2017, 5520 A+B+D	BDL	5.0-600	-
4	Biochemical Oxygen Demand as BOD (mg/l) 3days at 27°C	APHA, 23 rd Ed. 2017, 5210 A+B	8.0	5-10000	30.0
5	Chemical Oxygen Demand as COD (mg/l)	APHA, 23 rd Ed. 2017, 5220 A+C	54.0	5-50000	-
6.	Fecal Coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017,9221 A + E	Absent		<1000

^{*}The result are related only to item tested.

BDL = Below Detection Limit

Authorized signatory

Framen-Laboratories Pvt. Ltd. Flat No.-8, 2nd Ploor, Arif Chamber-V Sector-H, Alimni, Lucknow-226024 Ph.-2746282, Fax:2745726

Prism Johnson Ltd. Unit – I/II

Department:

Copy to Procurement/ Stores/ Accounts.

Job Order / Work Order / File Note				Date 16.06.2020
Particulars		Inform	nation	
Vendor Code, Name & Address	Vendor Code			
PAN Number	Service Tax Registration	n No	Cateo	ory of Service
Job Description (Please attached separate sheets for scope of work and Justification through logic tree)	IME/PME Test of Compliance (Contractor Emp account)	Mines Employees	(PCL+ Contrac	ctor Mines) under DGMS
Place of Work v In Side the Plant	/Outside the plant / Mines		ure of Job v ration/ Complia	Capital / Maintenance
Category V	Normal Maintenance / S Modification Job under reve			Break down maintenance ie/ Routine joh/ Tests for comp 4 o
Specific condition, if any				Comp40
Job execution based on $$	Scheduled Rates	Regular de	ployment	Lump sum charges
Rates as per Approved √	Approved S.O.R / Spe	cofic Approved Rate	s with working s	sheet / File Note / SOR
Reference & date PONO —	3100147757	Notification no	& date	
	01.09.2020	Date of Completion	of Work 15 0	9 2020
Total Approximate Value In Rs (In words also)	=430000 Rupees/- (Four I	_ac thirty thousand	rupees only)	
Terms of payments	days after submission of	bills / OR		
Other Terms & Conditions	Service Tax as & if applicab TDS will be deducted as app This work order is subject to	olicable	as defined	
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prwarded by	HOD TE	CC		
DD Company of	HOD TE	GL		
proved by		PCS		
proved by		PR No:	1200	0003206
chnical Head		Date		
176				

Scope of Work:

1. IME/PME Test of Mines employees	62 Persons
2. IME/PME Test of Mines Contractor en	mployees 153 Persons
3. Chest X-Ray	215N os
4. Eye Test	215Nos
5. Lung Function Test	215N os
6. ECG Test	215 N os
7. Blood Test	215 N os
8. Physical Test	215Nos
9. Audiometric Test	215Nos

Prism Johns, - Limited - (Cement Division)	Repair/Service Request

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Vendor Name:

Sanctioned By Authorised By Chandra Shekhar Pandit Prepared By

F11 (STR-P-01)

Stores/Purchase

	Prism Johns	Prism Johns (* Limited - (Cement Division) Repair/Service Request	Division) vice Request	(4)		
Request Service reque	Request Service request No.: 1300009206 - P027	PR Status: Fresh PR Date :17.06.2020	Print Date:17.06.2020 Auth date:	2020 Purpose: NRM Deptt. :MN	RM	
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Prism Johnson Limited -(Cement Division)

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harsta Saekhar Pandit 11 (S.IR P. 91)

Pages, 1. 2

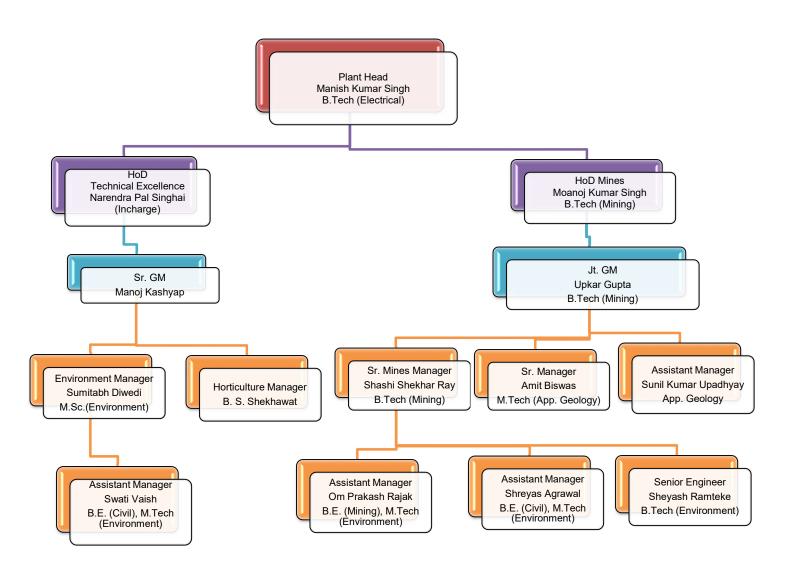
			PRISM JOHNSON LTD.					
			PROPOSED CSR ACTIVITIES ROAD MAP FY 2020-21 (Co	ement Divisi	ion)			
PAN	CHAYAT COVERED :10	Mankahari, Hinauti, Sijahata, Bagh	ai, Bathiya, Mahurachh, Narsinghpur, Majhiyar, Bairiha &	Chormari				
VILL	AGE COVERED : 18	Mankahari, Hinauta, Hinauti, Pi	ithaipur, Badarakha, Sijahata, Medhi, Jhanjhar, Mugwari, 🛚	Baghai, Bath	iya, Bamhauri,	Mahurachh, Narsinghpur, Chulhi, Majhi	yar, Bairiha & C	Chormari
S.N.	Particulars/Activity	Sector in which the project is covered as per CSR act	Key Initiatives/strategy	Estimated Exp. In Lacs	Expected Target Date	Current Status	Expense Till Date	Nos. of beneficiari es
A.	INFRASTRUCTURE DEVELOPMEN	Γ (Rural Infrastructure Developmer	tt Schedule VII (X))					
1	Construction of WBM Road at nearby villages		Construction of WBM road at Adivasi Basti Chulhi villages (1.6 KM)	5.25	Mar-21	1.6 KM WBM road constructed in Aug-20	4.74	2133
2	Development of Jabla Baba (Continue Work from FY 19-20)		Construction of concrete wall for protection of River Bank along stair case (Approx 33 meter)	10.83	Mar-21	CR masonry work of retaining wall and tile fixing Done.	0.00	3267
			Construction of bus shelter at nearby villages Majhiyar	2.50	Mar-21 Mar-21 Mar-21	Excavation, pile, base beam and roof casting done. Plaster is in progress.	0.17	242
3	Construction of Bus Shelter		Construction of bus shelter at village Chormari	2.50		Excavation and plinth level completed. Soil filling for base level is in progress.	0.11	5033
			Renovation of Community Centre at Nagod and Majhgawan			Estimate Preparation is in progress	0.00	5000
4	Repairing/Construction of Rural Infrastructures	Rural Infrastructure Development Schedule VII (X)	Repairing and painting of existing infrastructures at Mankahari, Hinauti & Mahurachh (Bus Shelters, Cremationsheds)	15.00		Completed in May-20	0.45	5000
4			Renovation of Ayurvedic Hospital Chormari	4.98	Mar-21	SPR raised	0.00	5033
_	Repairing/Construction of Rural		Repairing and white wash of Primary health Centre at Sijahata (Approx. 2000 sqft)	1.85	Mar-21	Completed in May-20	1.32	2489
5	Infrastructures (Continue Work from FY 19-20)		Repairing and white Veterinary health Centre at Sijahata	1.85	Mar-21	Completed in Jul-20	0.18	2489
6	Construction of cremation sheds (Continue Work from FY 19-20)		Construction of cremation shed at Majhiyar	2.15	Mar-21	Completed in July-20	2.12	242
7	Fabrication and grouting of road side signage board at Chulhi Turning		Fabrication and grouting of road side signage board at Chulhi Turning		Mar-21	Completed in Jun-20	0.11	2000
			SUB TOTAL	45.06			9.20	
B.	HEALTH & HYGIENE (Health & Hyg	giene Schedule VII (i))						
		Health & Hygiene Schedule VII (i)	Organisation of mega medical camp at village Bairiha	0.70	Oct-20	0	0.00	

		Health & Hygiene Schedule VII (i)	Organisation of mega medical camp at village Majhiyar	0.70	Nov-20	0	0.00	
1	Mega Medical Camps organisation	Health & Hygiene Schedule VII (i)	Organisation of mega medical camp at village Chormari	0.70	Dec-20	0	0.00	
		Health & Hygiene Schedule VII (i)	Organisation of mega medical camp at village Badhaura	0.70	Jan-21	0	0.00	
		Health & Hygiene Schedule VII (i)	Organisation of mega medical camp at village Nursinghpur	0.70	Mar-21	0	0.00	
2	Mobile Health van visit to nearby villages	Health & Hygiene Schedule VII (i)	Visit by Mobile health van to nearby villages on weekly basis with providing free medical services like doctor & medicines distribution. (Approx 1000 patients)	0.35	Mar-21	Attended 00 patients in Jun-20. Cumulative for FY 2020-21 = 00 (Figures run month wise.)	0.00	
3	Free Consultation & Medicine Distribution from PCL Medical Centre Out Door Patient	Health & Hygiene Schedule VII (i)	Free consultation & medicines distribution from PCL Medical centre Out door patient to nearby villagers (Approx. 25000 patients)	8.75	Mar-21	Attended 1099 patients in Oct-20. Cumulative for FY 2020-21 = 6626 (Figures run month wise.)	2.39	
4	EYE Camp organisation	Health & Hygiene Schedule VII (i)	Organisation eye Camp for cataract patients from nearby villages (20 Nos.)	1.70	Mar-21	0	0.00	
5	Ambulance Service to villagers	Health & Hygiene Schedule VII (i)	24 hrs ambulance facility will be provided to nearby villagers free of cost. (Approx. 2000 patients)	7.50	Mar-21	Attended 34 patients in Oct-20 Cumulative for FY 2020-21 = 258 (Figures run month wise.)	3.05	
		Health & Hygiene Schedule VII (i)	School student health check up at Government Middle School Bairiha	0.02	Oct-20	0	0.00	
		Health & Hygiene Schedule VII (i)	School student health check up at Government Middle School Majhiyar	0.02	Nov-20	0	0.00	
6	School Child Health Check-up	Health & Hygiene Schedule VII (i)	School student health check up at Government Middle School Hinauti	0.02	Dec-20	0	0.00	
		Health & Hygiene Schedule VII (i)	School student health check up at Government Middle School Sijahata	0.02	Jan-21	0	0.00	
		Health & Hygiene Schedule VII (i)	School student health check up at Government Middle School Baghai	0.02	Feb-21	0	0.00	
			Construction of ODF Toilets at Village Majhiyar and Malgaon (10 no's)		Mar-21	Completed in July-20	0.12	40
_			Construction of ODF Toilets at Village Malgaon (10 no's)	5.00	Mar-21	Completed in Oct-20	0.12	40
7	Construction of ODF Toilets	Health & Hygiene Schedule VII (i)	Construction of ODF Toilets at Village Narsinghpur (10 no's)	5.00	Mar-21	Completed in Oct-20	2.25	40
			Construction of ODF Toilets at Village Narsinghpur (10 no's)		Mar-21	08 toilets completed. Rest is in progress	0.12	40
8	Operation and renovation of Sulabh Complex	Health & Hygiene Schedule VII (i)	Operation & Maintenance of Sulabh Complex at Mahurachh Turning (12 months)	5.86	Mar-21	Brick work and shuttering fixing for casting of roof is in progress.	0.28	36500
			SUB TOTAL	37.76		0	8.32	
C.	WATER CONSERVATION & DRINK Schedule VII (i))	KING WATER (Health & Hygiene						
1	Drinking water supply through Water Tanker	Health & Hygiene Schedule VII (i)	Providing water Tankers for drinking purpose as required (Approx 200 tankers)	3.23	Mar-21	YTD 118 tanker drinking water supplied	0.79	2500

			Installation of new Hand pump with bore well at Chormari (01 Nos)	0.70	Nov-20	Completed in Oct-20	0.02	200
•	T (1) (1) (1) (1)		Installation of new Hand pump with bore well Majhiyar malgaon (01 Nos)	0.70	Nov-20	Completed in Oct-21	0.02	200
2	Installation of new hand pumps	Health & Hygiene Schedule VII (1)	Installation of new Hand pump with bore well at Chulhi village (01 Nos)	0.70	Nov-20	Completed in Oct-22	0.02	200
			Installation of new Hand pump with bore well Baghai (01 Nos)	0.70	Nov-20	Completed in Oct-23	0.02	200
			SUB TOTAL	6.03			0.86	
).	EDUCATION (Promoting Education S	Schedule VII (ii))						
	, 0		Renovation of Government Primary School Adiwasi basti Chulhi (Approx. 2000 sqft)	3.00	Dec-20	Completed in Oct-20	0.35	300
	Repairing, maintenance and white		Mankahari (Approx. 2000 sqft)	3.00	Dec-20	SPR raised.	0.00	250
1	wash of school buildings in nearby	Promoting Education Schedule VII (ii)	(Approx. 2000 sqft)	3.00	Dec-20	0	0.00	
			800 Sqft)	9.60	Jan-21	0	0.00	
		800 Sqft)	6.00	Jan-21	0	0.00		
2	Construction of School Boundary wall		Hinauti (Approx 150 M)	6.00	Mar-21	0	0.00	
	,	,	School Adiwasi basti Chulhi (Approx. 65 mt)		Mar-21	Completed in Oct-20		300
3	Sitting Arrangement at government schools	Promoting Education Schedule VII (ii)	Providing Desk table to Government College Rampur Baghelan (60 desk table)	2.70	Jan-21	Completed in July -20	2.25	120
4	Slogan writing/Wall Painting	Promoting Education Schedule VII (ii)	To create awareness and motivation amongst the local villagers pertaining to health (AIDS & TB) & hygiene, education, self reliance, empowerment and other themes through wall paintings and slogans writing. (200 nos.)	0.72	Mar-21	Completed in July-20	0.72	5000
5	Smart Class Setup	Promoting Education Schedule VII (ii)		9.00	Mar-21	Completed in Oct-20	0.00	1500
6	Renovation of Anganwadi - 2 At Baghai village (Continue From FY 19- 20)	Promoting Education Schedule VII (ii)	Renovation of Anganwadi - 2 At Baghai village (Approx 500 sqft)		Mar-21	Completed in Jun-20	0.24	50
7	Water Proofing Government Middle School Chulhi (Continue From FY 19- 20)	Promoting Education Schedule VII (ii)	Water Proofing of Government Middle School Chulhi (Continue From FY 19-20)		Jun-20	Completed in May-20	0.12	200
			SUB TOTAL	43.02			3.68	
Ι.	ENVIRONMENT CONSERVATION Schedule VII (iv))	(Environment Conservation						
1	Road side plantation at nearby villages	Environment Conservation Schedule VII (iv)	Plantation with honey bee structure (100 Nos)	2.50	Oct-20	Completed in Oct-20	0.19	2147
2	Plantation under non mineralised land utilization project (at our Mines area)	Environment Conservation Schedule VII (iv)	Survival & Maintenance of plantation at Sijahata & Baghai (For approx. 73150 plants)	11.22	Mar-21	Continue work (Yearly Activity)	5.64	5000
3	Survival of plantation	Environment Conservation Schedule VII (iv)	Survival & Maintenance of Satari village plantation (For approx. 30000 plants)	8.46	Mar-21	Continue work (Yearly Activity)	4.05	5000
	2 3 4 5 6 7 1 2	Repairing, maintenance and white wash of school buildings in nearby villages Construction of School Boundary wall Sitting Arrangement at government schools Slogan writing/Wall Painting Smart Class Setup Renovation of Anganwadi - 2 At Baghai village (Continue From FY 19-20) Water Proofing Government Middle School Chulhi (Continue From FY 19-20) ENVIRONMENT CONSERVATION Schedule VII (iv)) Road side plantation at nearby villages Plantation under non mineralised land utilization project (at our Minesarea)	Repairing, maintenance and white wash of school buildings in nearby villages 2 Construction of School Boundary wall (ii) 3 Sitting Arrangement at government schools 4 Slogan writing/Wall Painting 5 Smart Class Setup Renovation of Anganwadi - 2 Art Baghai village (Continue From FY 19-20) Water Proofing Government Middle School Chulhi (Continue From FY 19-20) Water Proofing Government Middle School Chulhi (Continue From FY 19-20) ENVIRONMENT CONSERVATION (Environment Conservation Schedule VII (ii) ENVIRONMENT CONSERVATION (Environment Conservation Schedule VII (iv)) Plantation under non mineralised land utilization project (at our Mines area) Environment Conservation Conservation Schedule VII (iv) Environment Conservation Schedule VII (iv) Environment Conservation Schedule VII (iv) Environment Conservation Conservation Schedule VII (iv) Environment Conservation Schedule VII (iv)	Installation of new hand pumps Health & Hygiene Schedule VII (i) Health & Hygiene Schedule VII (i) Finallation of new Hand pump with bore well Majhiyar malagan (i) Nos) FIDUCATION (Promoting Education Schedule VII (ii) FIDUCATION (Promoting Education Schedule VII (ii) Fromoting Education Schedule VII (ii) Repairing maintenance and white wash of school buildings in nearby villages Repairing maintenance and white wash of school buildings in nearby villages Fromoting Education Schedule VII (ii) Fromoting Education Schedule VII (iii) Fromoting Education Schedule VII (iiii) Fromoting Education Schedule VII (ivi) Fromoting Education Schedule VII	Installation of new hand pumps Health & Hygiene Schedule VII (i)	Charmart (IQI Nos) Installation of new hand pumps Health & Hygiene Schedule VII (II) Installation of new Hand pump with bore well Majhiyar malgan (IQI Nos) Installation of new Hand pump with bore well at Chulhs willage (IQI Nos) Installation of new Hand pump with bore well Baghai (IQI Nos) Nov-20	Cheminal DI Nos Cheminal DI Nos Cheminal DI Nos Completed in Oct-20 Completed	Principle of new hand pumps Health & Hygiene Schools VII (i) Health & Hygiene Schools VII (i) Health & Hygiene Schools VII (ii) Health & Hygiene Schools VII (iii) Health & Hygiene School Allaws based School buildings in nearby viii (iii) Health & Hygiene School Manhaum (Approx VIII) Health & Hygiene School Buildings (iii) Health & Hygiene School Manhaum (Approx VIII) Health & Hygi

4	Irrigation of plants	Environment Conservation Schedule VII (iv)	Irrigation of plantation at nearby villages	5.73	Mar-21	Continue work (Yearly Activity)	2.11	5000
5	Distribution of Fruit Plant	Environment Conservation Schedule VII (iv)	Distribution of fruit plant saplings and plantation at Nearby villages (6000 Plants Between July to Oct)	0.82	Oct-20	Completed in Aug -20	1.12	6000
6	Development of new area (Plantation of approx 12000 saplings)	Environment Conservation Schedule VII (iv)	Development and plantation of approx. 4000 saplings at Sijahata	9.31	Mar-21	4000 plantation completed in Aug-20	0.48	3000
	or approx 12000 sapinigs)	Schedule vii (iv)	Development and plantation of approx. 18000 saplings at Satari village		Mar-21	18000 Saplings planted in Aug-20	4.95	3000
7	Deepening of Pond	Conservation of Natural Resources Schedule VII (iv)	Quantity =11000 M3 de-silting of pond at Malgaon	9.35	Mar-21	0	0.00	
8	Bore shaft structures Single bore	Water Conservation Schedule VII	Mahurachh Kandaila-1, Malgaon-1 Total =02	1.60	Oct-20	0	0.00	
9	Bore shaft structures Double bore	(iv)	Mahurachh Kandaila-1, Malgaon-1 Total= 02	2.55	Oct-20	0	0.00	
10	Drum based Water Harvesting	Water Conservation Schedule VII (iv)	Construction of Drum based Water Harvesting Structure at Badhaura (100 no's)	10.00	Mar-21	Completed in July 20	5.29	100
10	Structure		Construction of Drum based Water Harvesting Structure at Mahurachh (100 no's)	10.00		Completed in Aug 20	4.96	100
		olar street lights in Environment Conservation	Baghai - 20 Nos	2.60	Dec-20	Solar street lights installed in Sep-20	2.77	1000
			Majhiyar -20	2.60	Dec-20	Solar street lights installed in Sep-20	2.77	1000
11	Installation of solar street lights in		Hinauti -20	2.60	Dec-20	Solar street lights installed in Sep-20	2.77	1000
11	villages	Schedule VII (iv)	Mankahari - 20	2.60	Dec-20	Solar street lights installed in Sep-20	2.77	1000
			Sijahata - 20 Nos	2.60	Dec-20	Solar street lights installed in Sep-20	2.77	1000
			Malgaon - 20	2.60	Dec-20	Solar street lights installed in Sep-20	2.77	1000
12	Social Forestry	Environment Conservation Schedule VII (iv)	Plantation of 70000 saplings in forest land at Khamhari	64.20	Mar-21	4000 m trench excavated and 50000 saplings planted in Oct-20	6.42	5000
			SUB TOTAL	141.34		0	51.83	
F.	EMPOWERMENT & SKILL DEVELO	PMENT Vocational Skill Developm	nent Schedule VII (ii)					
1	Vocational training programs organisation	Schedule VII (ii)	Training program for driver with license making for at least 100 incumbents (02 Batch of 50 nos.)	2.30	Mar-21	Training starts from 13.10.2020	0.00	
	(260 Trainees)	Schedule VII (ii)	Training program for Stitching for 50 incumbents from nearby villages. (02 Batch of 25 nos.)	4.30	Mar-21	SPR raised.	0.00	
		Schedule VII (ii)	Training program for carry bag making for 25 incumbents from nearby villages	2.50	Mar-21	SPR raised.	0.00	
2	Livelihood training program (75 trainees)	Schedule VII (ii)	Training program for agarbatti making for 25 incumbents from nearby villages	2.50	Mar-21	SPR raised.	0.00	
		1	Training program for Cotton wick making for 25 incumbents from nearby villages	1.50	Mar-21	SPR raised.	0.00	

3	Farmers Training	Schedule VII (ii)	Training program for farmers from nearby villages (01 day training to 50 farmers	0.00	Mar-21	Video based training organised on 30.10.2020 in association with Farm Science Center, Majhgawan, Satna (M.P.) attended 21 farmers	0.00	21
4	Driving Training (Continue work from FY 19-20)	Vocational Skill Development Schedule VII (ii)	Permanent Driving license making to 69 trainees	0.90	Mar-21	Completed in Aug-20	0.87	67
5	group marketing	VII (ii)	Setting up of marketing centre (Shop) at Satna for Self Help Group products	5.00	Mar-21	Completed in Sep-20	0.00	5000
6	Tent arrangement at Training Centre Sijahata (Feb-19)	Livelihood Development Schedule VII (ii)	Tent arrangement for training centre at Sijahata- Stiching Training on 12.03.2020			Completed	0.05	50
			SUB TOTAL	19.00		0	0.92	
G.	PROMOTION OF SPORT ACTIVITY VII (vii)	ES (Promotion of Sports Schedule						
1	Development of Playground	Promotion of Sports Schedule VII (vii)	Levelling of playground at Majhiyar Tola	3.00	Mar-21	0	0.00	
	Development of Flayground	Promotion of Sports Schedule VII (vii)	Construction of wall with stair and main Construction gate at playground Mankahari	13.40	Mar-21	Estimate Preparation is in progress	0.00	
2	Sponsorship of sports tournaments at nearby villages	Promotion of Sports Schedule VII (vii)	Financial assistance to Jila Kushti Mahasangh Satna			Provided on 27.04.2020	0.21	2000
			SUB TOTAL	16.40		0	0.21	
H.	SOCIAL WELFARE Social Welfare So	L chedule VII (iii)		10.10			0.21	
1	Facilities for senior citizens, old age homes	Social Welfare Schedule VII (iii)	Facilities for senior citizens, old age homes (1 Activity)	6.00	Mar-21	Continue work (Yearly Activity)	3.00	40
2	Development of traditional art and culture setting up public libraries; promotion and art and handicrafts:	Development of traditional art & Culture VII (v)	Development of traditional art and culture setting up public libraries; promotion and art and handicrafts: (02 Activity), Financial assistance to weaker section of society	3.50	Mar-21	Provided 50 nos. dustbin to district administration Satna under Swatchchh Bharat Abhiyan	0.26	1000
	Disaster Management - COVID-19 Pandemic	Disaster Management Schedule VII (viii)	Activity), Financial assistance to weaker section of society		Mar-21	2. Financial assistance to Mr. Ambar Tiwari Cancer Patient, for treatment	1.00	1
			PCR Machine for Covid test to Gandhi Memorial Hospital Bhopal (M.P.)	55.00		Provided to GMH Bhopal in Apr-20	55.00	50000
			Providing of Sanitizer Handwash to peoples at Satna (20 ltrs 50 nos)	6.00		Provided to Satna Sewa Bharti Satna in Apr-20	1.10	1000
			Financial assistance to Keshav Madhav Gau Sewa Sansthan, Bagha, Satna for arrangement of food items in COVID-19 Lockdown			Provided in Apr-20	0.11	300
3			COVID-19 Awareness posters (10 Nos.) in nearby villages			Displayed in May-20 at Mahurachh, Mankahari, Bamhauri, Hinauti, Sijahata and Baghai villages	0.05	1000
			Distribution of 200 food packets in COVID 19 lockdown in Rampur Baghelan			Provided in Apr-20	0.97	600
			Vehicle for COVID -19 Management to District Administration (01 at BMO, Rampur Baghelan and 01 at SDM Rampur Baghelan)			Completed in May-20	1.73	5000
4	Animal Welfare	Animal Welfare Schedule VII (iV)	Fodder for Gaushala and other animal welfare activities	4.00	Mar-21	0	0.00	
			SUB TOTAL	74.50		0	63.23	
			GRAND TOTAL	383.11			138.25	



Heads	Unit II		
Maintenance of APCEs	₹	577,892.00	
Env Monitoring, STP Operation & Maintenance, Plantation Etc.	₹	1,854,288.69	
APCE Power Consumption	₹	47,778,418.00	



PRISM CEMENT LIMITED

Works: Vill-skatkakatari, P.O.-Jaffra, Oral-sanra - 485 (11 on P.) Incha Act.: 076721 275301-7, 275421-12 Fax: 175301 Corsp. Add.: 'Kajdrep', Reviz Rood, Sanra - 485 (001 (VLP.) India Ed.: (07672) 402726, Fax: 402710



Ref: PCU/ENV/2011/31/U2 Date: 11.04.2011

To, Regional Director, Ministry of Environment & Forests Regional Office, Western Region Ravishankar Nagar, Bhopal

Dear Sir.

Sub: Intimation of financial closure of the project Your Ref: J-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

कमांक/जियातके-सत/बृहद उद्योग/2011/

सतना दिनांक :--

उत्पादन प्रमाण पत्र

प्रमाणित किया जाता है कि मेसर्स प्रिज्य सीमेंट यूनिट— 2 (ए यूनिट आफ प्रिज्य सीमेंट लि0) ग्राम मनकहरी पो0 वितया जिला—सतना (म050) को भारत सरकार उद्योग मंत्रालय से आईवई०एम० 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:—

码0	आइटम कोड	उत्पाद का नाम	स्टाल कैपिसिटी	व्यवसायिक उत्पादन दिनांक
1-	3242	आल वैसइटीज आफॅ पोर्टलैण्ड सीमेंट	3600000 ਟਜ	1-1-2011
2	3241	सीगेंट क्लिंकर	2300000 ਟਜ	1-1-2011

उपरोक्तानुसार एवं इकाई द्वारा प्रस्तुत किये गये अभिलेखों के आधार पर सीमेंट किलंकर 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।

्र ते महाप्रबंधक जिला व्यापार एवं उद्योग केन्द्र, सतना(भ०प्र०)

कमांक/जिव्याउके-सत/बृहद उद्योग/2011/ (57/57 प्रतिलिपि :- सतना,दिनांक :- 31/3/11

मेंसर्स प्रिज्य सीमेंट यूनिट— 2 (ए यूनिट आफ प्रिज्य सीमेंट लि0) ग्राम मनकहरी पो0 विदेया जिला—सत्तना (म0प्र0) ।

> निहान स्थापार एवं जुद्दाम् केन्द्र, सार्वनिर्मिक्किक्काम् कः जिल्ला स्थापार एवं क्षित्रीम् कः स्थापार (संक्ष्मक)

Advertisements givenin Newspapers regarding information of Public Hearing.

अगर्न स्ट्रा सर्वसाधारण को यह सृचित किया जाता है कि प्रिज्म सीमेंट (यूनिटे-ग्रा) किलंकर प्रोडक्शन 3.0MTPA, प्रेसीमेंट प्रोडक्शन 6.7MTPA और माइन्स (विहनौती और सिजहटा 772.067 हे., हिनौती और सिजहटा 99.416 है. मेढी 117.594 हे. और बगहाई - 512.317 हे.) मनकहरी, पिस्ट-बठिया जिला सतना (म.प्रे.) का पर्यावरणीय किलयरेंस हो गया है। पर्यावरणीय किलयरेंस की प्रस्त म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की वेव साइट Lttp://entor.nic.in पर उपलब्ध है।

दिया वन्द्रं स्तरमां

आम सूचना

सर्व साधारण को यह सूचित किया जाता है कि प्रिज्य सीमेन्ट (यूनिट॥) क्लिंकर प्रोडक्शन 3.0 एम टी पी ए, सीमेन्ट प्रोडक्शन 6.7 एम टी पी ए और माइन्स (हिनीती और सिजहटा 772.067 है., हिनीती और सिजहटा 99.416 है., मेढ़ी 117.594 है. और बगहाई 512.317 है.) मनकहरी, पोस्ट बठिया जिला सत्नी (म.प्र.) का पर्यावरणीय क्लियरेंस की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की बेव साइट http://entor.nic.in पर उपलब्ध है।

प्रबंधक प्रिन्म सीमेन्ट लि. मनकहरी, जिला सतना म.प्र