



Ref: PJI/ENV/ 2019/186

दूर की सोच
Date: 02.12.2019

To,
The Regional Director,
Ministry of Environment, Forest & Climate Change
Paryavaran Bhawn,
Ravishankar Nagar, Bhopal.

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, we are herewith submitting the half yearly report (April to September 2019) related to the 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 Ltd.
(Formerly Prism Cement Limited)

Manoj Kumar
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

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

Works: Village Mankahari, P.O.-Bathia, Dist. Satna - 485 111 (M.P.) India T: +91-07672-275301 / 302600
Corres. Add.: 'Rajdeep', Rewa Road, Satna - 485 001 (M.P.) India. T: +91-07672-402726
Registered Office: Prism Johnson Limited, 305, Laxmi Niwas Apartments, Ameerpet, Hyderabad - 500 016, India.
w: www.prismjohnson.in, www.cement.prismjohnson.in, E: info@prismjohnson.in

CIN: L26942TG1992PLC014033



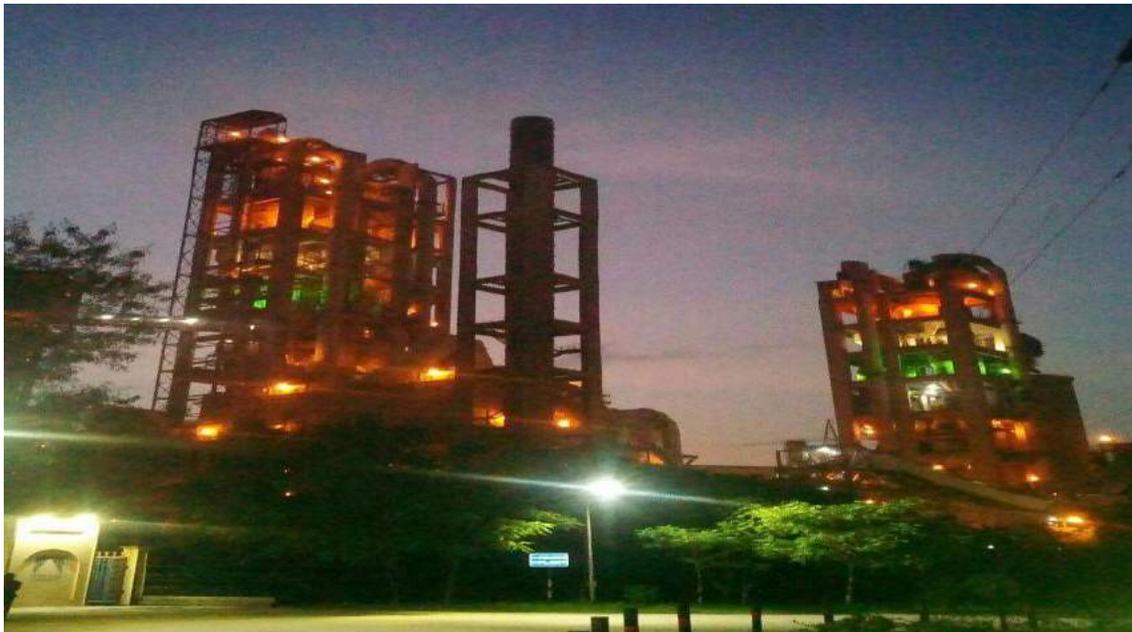
COMPLIANCE REPORT

For

INTEGRATED CEMENT PROJECT

Cement Plant – II & Mines (Hinouti & Sijahata-I-772 Ha. Hinouti & Sijahata-II-99 Ha., Mendhi – 117 Ha. & Bagahai – 512 Ha.)

(Period : Apr, 2019 - Sep, 2019)



OF



M/s Prism Johnson Limited.
(Formerly Prism Cement Limited)
Village—Mankahari, P.O.-Bhatila
Distt., - Satna (M.P.)

**Compliance report with Regard to Environment Clearance accorded by MoEF & CC vide letter no. J-11011/949/2007-IA-II(I)
dated 22.09.2008**

S.No.	Conditions	Compliance Status																								
A. Specific Conditions:																										
1.	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Madhya Pradesh Pollution Control Board. At no time, particulate emissions from the cement plant including kiln, coal mill, and cement mill, cooler and captive power plant (CPP) shall not exceed 50 mg/Nm ³ .	The gaseous and the particulate matter emissions from various units i.e. Kiln, Coal Mill, Clinker Cooler and Cement Mill are well within the prescribed norms. There is no CPP at our cement plant. The analysis report of emissions from various units is enclosed as Annexure 1.																								
	Continuous on-line monitors for particulate emissions shall be installed. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.	Continuous Ambient Air quality monitoring system for Ambient air quality monitoring and Continuous emission monitoring system for particulate emissions and gaseous emissions monitoring from various units, have been installed and the monitored data is displayed at the main gate of the premises by the means of digital display board. Photographs of AAQMS, CEMS & display board is enclosed as Annexure 2. Interlocking facility has been provided in the pollution control equipment so that in the event of the pollution control equipment didn't work the respective unit(s) will be shut down automatically.																								
2	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored Guidelines/Code of Practice issued by the CPCB in this regard should be followed.. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points. Atomized water spray system with reclaimers shall be installed in silo used for the storage of ash. Covered conveyor belts shall be used to reduce fugitive emissions. Concreting of all the roads, water sprinkling system at limestone and coal handling area shall be ensured to reduce fugitive emissions	Secondary fugitive emissions are controlled and are maintained well within the prescribed limits by the means of various practices. Atomized sprinklers and water spraying arrangement provided at source of dust generation. Guidelines/Code of Practice issued by the CPCB in this regard are being followed. Details of practices adopted to control fugitive emission are as follows:- 1. Covered Sheds and Silos are provided for storage of Raw materials. Details are mentioned below:- <table border="1" data-bbox="722 1465 1318 1822"> <thead> <tr> <th>S.No</th> <th>Name of raw material</th> <th>Storage Facility</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Limestone</td> <td>Covered Shed</td> </tr> <tr> <td>2.</td> <td>Coal</td> <td>Covered Shed</td> </tr> <tr> <td>3.</td> <td>Gypsum</td> <td>Covered Shed</td> </tr> <tr> <td>4.</td> <td>Laterite</td> <td>Covered Shed</td> </tr> <tr> <td>5.</td> <td>Clinker</td> <td>Silo</td> </tr> <tr> <td>6.</td> <td>Fly ash</td> <td>Silo</td> </tr> <tr> <td>7.</td> <td>Cement</td> <td>Silo</td> </tr> </tbody> </table> 2. Flexible curtains and water spray arrangement has been	S.No	Name of raw material	Storage Facility	1.	Limestone	Covered Shed	2.	Coal	Covered Shed	3.	Gypsum	Covered Shed	4.	Laterite	Covered Shed	5.	Clinker	Silo	6.	Fly ash	Silo	7.	Cement	Silo
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		<p>provided at the unloading of limestone at crusher.</p> <ol style="list-style-type: none"> 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. <p>Photographs of various measures to control fugitive emission is enclosed as Annexure 3.</p>
3	<p>Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities.</p>	<p>Ambient Air emission parameters are well within the prescribed norms.</p> <p>Noise levels are also within the norms.</p> <p>Monitoring report of ambient air quality analysis and noise monitoring is enclosed as Annexure 4(a)</p>
	<p>Monitoring of ambient air quality and shall be carried-out regularly in consultation with MPPCB and data for air emissions shall be submitted to the CPCB and MPPCB regularly.</p> <p>The instruments used for ambient air quality monitoring shall be calibrated time to time.</p>	<p>Regular ambient air quality monitoring and noise level monitoring are done with the calibrated instruments. Ambient air quality and Ambient Noise levels does not exceed the standards stipulated under EPA or by the state authorities.</p> <p>Calibration certificates are attached at -Annexure no. 4(b)</p>
4	<p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.</p>	<p>Raw materials and end products are being transported in trucks covered by the tarpaulin and bulkers to reduce the effects of fugitive emission on the surrounding environment and agriculture land.</p> <p>Raw materials and end products are transported within the plant premises with the help of closed conveyor belts to reduce impact of transport.</p>



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



1. All the Roads inside the plant premises are Concreted.
2. Permanent water sprinklers system has been installed at the haul roads of Limestone Mine and Water spraying with the help of water tanker is also done to control fugitive emission which can be caused by the movement of vehicles.
3. 114 No's Bag-filters have been installed to control fugitive emission.
4. Dense plantation is done in Plant & Mines premises.

5.	Fly ash shall be utilized as per the provisions of Fly Ash Notification-1999, subsequently amended in 2003. Fly ash shall be stored in ash silo and 100% used in the cement manufacturing	<p>Fly ash is being utilized as per the provisions of Fly ash Notification 1999, subsequently amended in 2003.</p> <p>Fly ash is being transported by the means of closed bulkers and it is stored in Silos having capacity of..... and 100 % fly ash is used in cement manufacturing.</p> <p>Consumption of fly ash is as follows:</p> <table border="1" data-bbox="673 451 1299 816"> <thead> <tr> <th colspan="2">Yearly Fly Ash Consumption</th> </tr> <tr> <th>Year Qty</th> <th>(MT)</th> </tr> </thead> <tbody> <tr> <td>2013-2014</td> <td>688628</td> </tr> <tr> <td>2014-2015</td> <td>907848</td> </tr> <tr> <td>2015-2016</td> <td>848939</td> </tr> <tr> <td>2016-2017</td> <td>810908</td> </tr> <tr> <td>2017-2018</td> <td>701922</td> </tr> <tr> <td>2018-2019</td> <td>855770</td> </tr> <tr> <td>2019-2020</td> <td>384637(up to Sep 19)</td> </tr> </tbody> </table>	Yearly Fly Ash Consumption		Year Qty	(MT)	2013-2014	688628	2014-2015	907848	2015-2016	848939	2016-2017	810908	2017-2018	701922	2018-2019	855770	2019-2020	384637(up to Sep 19)																								
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6.	The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Bhopal, CPCB and SPCB.	<p>Permission for utilization of High calorific hazardous waste in the cement kiln has been taken.</p> <p>Copy of same is enclosed as Annexure 5.</p> <p>Record of the waste utilized is being maintained and is submitted to the Ministry's Regional Office at Bhopal, CPCB and SPCB.</p> <p>Details of hazardous waste used are as follows:</p> <table border="1" data-bbox="673 1039 1429 1732"> <thead> <tr> <th>Year</th> <th>Name of waste utilized</th> <th>Source of waste</th> <th>Quantity used in Particular year</th> <th>Utilization points</th> <th>Pollution Control arrangement</th> </tr> </thead> <tbody> <tr> <td>13-14</td> <td>Plastic waste</td> <td>Sarthak Samudiyik & Vikash Sansthan</td> <td>15MT</td> <td>Kiln</td> <td>RABH</td> </tr> <tr> <td>14-15</td> <td>Plastic waste</td> <td>JK Traders, Satna</td> <td>13MT</td> <td>Kiln</td> <td>RABH</td> </tr> <tr> <td>15-16</td> <td>Plastic waste</td> <td>JK Traders, Satna</td> <td>16.5MT</td> <td>Kiln</td> <td>RABH</td> </tr> <tr> <td>16-17</td> <td>Plastic waste</td> <td>JK Traders, Satna</td> <td>4.2 MT</td> <td>Kiln</td> <td>RABH</td> </tr> <tr> <td>17-18</td> <td>Plastic waste</td> <td>JK Traders, Satna</td> <td>10.1MT</td> <td>Kiln</td> <td>RABH</td> </tr> <tr> <td>18-19</td> <td>Plastic waste</td> <td>JK Traders, Satna & Cruze Road line, Kolkata.</td> <td>40.29 MT</td> <td>Kiln</td> <td>RABH</td> </tr> </tbody> </table>	Year	Name of waste utilized	Source of waste	Quantity used in Particular year	Utilization points	Pollution Control arrangement	13-14	Plastic waste	Sarthak Samudiyik & Vikash Sansthan	15MT	Kiln	RABH	14-15	Plastic waste	JK Traders, Satna	13MT	Kiln	RABH	15-16	Plastic waste	JK Traders, Satna	16.5MT	Kiln	RABH	16-17	Plastic waste	JK Traders, Satna	4.2 MT	Kiln	RABH	17-18	Plastic waste	JK Traders, Satna	10.1MT	Kiln	RABH	18-19	Plastic waste	JK Traders, Satna & Cruze Road line, Kolkata.	40.29 MT	Kiln	RABH
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7.	Total water requirement shall not exceed 2500 m ³ /day.	<p>Water consumption will not exceed 2500 m³ / day. Details of water consumption is mentioned below:</p> <p>Waste water generated is treated with the help of STP having</p>																																										

		<p>capacity of 600 KLD and the treated water is being used for the development of green belt.</p> <p>Water consumption details is enclosed as Annexure 5 (a).</p> <p>STP treated water analysis report is enclosed as Annexure 5 (b).</p> <p>Photographs of STP and Green Belt is enclosed as Annexure 5 (c).</p>
	<p>The treated wastewater from STP and utilities shall be reutilized for green belt development and other plant related activities i.e. Cooling and dust suppression in raw material handling area etc., after necessary treatment.</p> <p>'Zero' discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.</p>	<p>STP of capacity 600 KLD has been installed to treat the domestic waste water generated and the treated waste water is being utilized for green belt development, dust suppression and cooling and the sludge waste so generated from the sewage treatment plant is used as manure in plantation.</p> <p>No effluent discharge from the plant premises is there and has maintained the Zero discharge.</p> <p>Analysis of treated water is enclosed as Annexure 5(b).</p>
8	<p>Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site.</p>	<p>Rain water harvesting measures have been implemented in plant premises as well in Mines and nearby villages. Details of water harvesting measures are mentioned below:</p> <ol style="list-style-type: none"> 1. Water harvesting pond of capacity 13 Lac m³ has been constructed in Mines area. 2. 7 Nos. of Roof Top rain water harvesting has been developed to harvest rain water. 3. Runoff Water Harvesting Structure Near Guest House. 4. Ground water recharge with 3 Abandoned bore-wells. 5. Groundwater Recharge Pit Connected with Storm Drain - A type Colony. 6. Groundwater Recharge Pit Connected with Storm Drain - Near Nursery 7. Ground water recharge with abandoned bore well near steel yard. 8. Recharge Bore Hole for Recharging the Ground Water - 22 Nos 9. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system. 10. Construction of water reservoir at Baghai village for water conservation. <p>Photographs of rain water Harvesting Structure is enclosed as Annexure 6.</p>
	<p>Besides, company must also harvest the rain water from the roof tops and storm water drains to recharge the ground water</p>	<p>There are 7 Nos of Roof top rain water harvesting structures in plant premises These are:</p> <ol style="list-style-type: none"> 1. MRSS building 2. Project Office building 3. School Building. 4. Cement Mill Unit II Load Center 5. Cooler load Center of Unit I 6. Cooler load Center of Unit II 7. Store building.

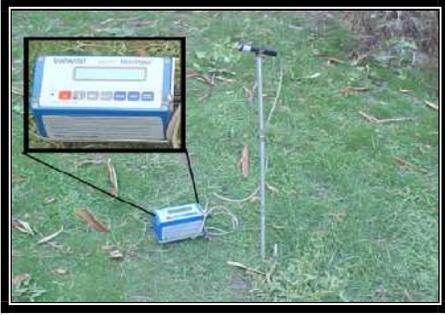
		Filters have been installed at roof top drain so as to filter out the dust, grits solid contents into bore-wells.
	The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to avoid fresh water requirement.	The company collects rain water in the mined out pits of captive lime stone mine and use the same water for the various activities. The water is used for various activities i.e. spraying On haul roads, crusher hopper, green belt development etc. Rain water harvesting pond with capacity of 13 lac m3 has been 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 premises also in consultation with local gram panchayat anf Village heads to augment the ground water level. An action plan shall be submitted to Ministry's Regional Office at Bhopal within 3months from date of issue of this letter.	Rain water Harvesting structures have been measures have been implemented in nearby villages are also. Some of them are as follows: 1. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system. 2. Construction of water reservoir at Baghai village for water conservation. The action plan is submitted to Ministry's Regional Office at Bhopal. Copy of same is enclosed as Annexure7 .
9	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 Annexure8 . Dump height and slope has been maintained as per guidelines. The details are enclosed as Annexure 9 .
10	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. 

11	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations	<p>The Surface water bodies in area are observed as Tamas River, which is adjacent to the Hinauti&Sijhata Limestone Mine in North direction. The Magardahanalla is located outside the lease area in the western side. Magardahanalla ultimately joins the Tamas River. Nar Nala falls outside the lease area and flanks the Baghai mining lease from the western side.</p> <p>No natural water course is obstructed due to mining and plant operations. The company is taking following measures for Protection of the TamasRiver, MagardahaNala and Nar Nala (natural water course) which is adjacent to the HinoutiSijhata and Baghai Limestone Mine in North East and west direction respectively.</p> <ul style="list-style-type: none"> • Solid barrier of minimum 60 m width has been made from the river bank to avoid the flow of surface run off to the River. • Garland drains made along the slope of dumps. • Rain water is channelized to a Settling Tank to eliminate silting of river 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. <p>There is no proposal for diversion/ obstruction/ modification of any natural water course during mining activity.</p>
	The company shall make the plan for protection of the natural water course passing nearby mine area and submit to the Ministry's Regional Office at Bhopal.	The proposal for natural water course protection passing nearby 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.	<p>The interburden and waste generated during mining has been stacked at earmarked dump site as per approved mining plan. Dumps have been stabilized simultaneously by planting local species and bushes i.e. Bouganvilliea, karanj, Alstonia, Neem etc.</p> <p>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.</p>
	The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the overall slope of the dump shall be maintained to 28. The inter burden dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off.	<p>The total height of the dumps are not exceeding then 30 m and the slope of the dumps are maintained at 28^o.</p> <p>Details regarding dumps is enclosed as Annexure 9.</p>
	Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	Monitoring and management of rehabilitated areas will be continued until the vegetation becomes self-sustaining.
	Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal	Compliance status is submitted on regular basisto Ministry of Environment & Forests and its Regional Office, Bhopal. Last EC Compliance was submitted vide letter no. PCL/ ENV/ 2019 / 166 & PCL/

	on six monthly bases.	ENV/ 2019 / 167 dated 28.09.2019.
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 13lakh 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. 

			
	<p>The water so collected should be utilized for watering the mine area, roads, green belt development etc.</p>	<p>Complying with. The water so collected is being utilized for watering of Mine area, green belt development etc.</p>	
	<p>The drains should be regularly de-silted, particularly after monsoon, and maintained properly.</p>	<p>The drains are regularly de- silted, particularly after monsoon, and maintained properly</p>	
15	<p>Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter-burden dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de-silted at regular intervals.</p>	<p>Garland drain having dimension of cumulative length of 3.0 Km, a width of 2.0 to 3 meters and depth of 0.75 to 1.2 meter. It is having appropriate gradient following Natural contour. 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.</p>	
16	<p>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.</p>	<p>Retaining walls and toe drains are maintained to check runoff and siltation.</p>	
17	<p>Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director,</p>	<p>Regular monitoring of ground water level and quality is being carried out by the means of constructed Piezometers at the site in and around Project area. Frequency of monitoring is four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). The monitoring results for Ground water Quality & water level is</p>	

	<p>Central Ground Water Board. The frequency of monitoring should be four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bangalore, Central Ground Water Authority and Central Ground Water Board.</p>	<p>being submitted to the MoEF, New Delhi, Regional Office of MoEF, Bhopal, Central Ground Water Authority, New Delhi, Central Ground Water Board, Bhopal on regular basis.</p> <p>Analysis report is enclosed as Annexure 11.</p>
18	<p>Blasting operation should be carried out only during the daytime.</p>	<p>Complying with. Blasting operations are carried out during the day time only.</p>
	<p>Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented</p>	<p>Controlled blasting is carried out according to the recommendation of Central Institute of Mining And Fuel Research. The salient recommendations are given below:</p> <ul style="list-style-type: none"> • 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 of ground vibrations were in the range of 11.4 to 129 Hz. FFT analysis of blast vibration frequencies confirmed that concentration of frequencies is in band of 13.3-40.3 Hz. 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 benches near to the structures for more precise and accurate delay design. The sub-grade drilling should be 0.3 to 0.5 m for a blast hole depth of 6 to 7 m and should be initiated from the Bottom of the hole. • It is advisable to use blasting 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. <p>Each blast is monitored for vibrations with Minimate and</p>

		<p>Nomisseismographs.</p>  <p>Vibration report is enclosed as Annexure 12.</p>							
19	The project proponent shall adopt wet drilling.	<p>Complying with Regular wet drilling is practiced.</p> 							
20	As proposed, green belt should be developed in 33% in and around the plant as per the CPCB guidelines.	<p>Total 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.</p>							
21	All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.	<table border="1"> <thead> <tr> <th data-bbox="673 1136 1010 1171">Action Plan</th> <th data-bbox="1024 1136 1370 1171">Compliance status</th> </tr> </thead> <tbody> <tr> <td data-bbox="673 1171 1010 1661"> <p>Cement Plant, which are not complying with notified standards shall do the following to meet the standards</p> <ul style="list-style-type: none"> • Augmentation of existing Air Pollution Control Devices : by July 2003 • Replacement of existing Air Pollution Control devices : by July 2003 </td> <td data-bbox="1024 1171 1370 1661">Complied with.</td> </tr> </tbody> </table>	Action Plan	Compliance status	<p>Cement Plant, which are not complying with notified standards shall do the following to meet the standards</p> <ul style="list-style-type: none"> • Augmentation of existing Air Pollution Control Devices : by July 2003 • Replacement of existing Air Pollution Control devices : by July 2003 	Complied with.	<table border="1"> <tbody> <tr> <td data-bbox="673 1661 1010 1881">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</td> <td data-bbox="1024 1661 1370 1881">Complied with. We are achieving the PM emission norms within 30 mg/Nm³.</td> </tr> </tbody> </table>	Cement plants located in the critically polluted or urban areas (including 5 Km distance outside urban boundary) will meet 100 Mg/Nm ³ limit of particulate matter by December 2004	Complied with. We are achieving the PM emission norms within 30 mg/Nm ³ .
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Cement plants located in the critically polluted or urban areas (including 5 Km distance outside urban boundary) will meet 100 Mg/Nm ³ limit of particulate matter by December 2004	Complied with. We are achieving the PM emission norms within 30 mg/Nm ³ .								

		and continue working to reduce the emission of the particulate to 50 mg/Nm ³	
		The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions	Complied.
		CPCB will evolve load based standards by December 2003	-----
		CPCB & NCBM will evolve SO ₂ & NO _x emission standards by June 2004	Not applicable.
		The cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months	Complied Bag Filters installed at all Material transfer points, Water spraying regularly on haul roads.
		CPCB , NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003	We are using pet coke.
		After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Installed continuous monitoring systems (CEMS) in all process stack.
		Trippings in kiln ESP to be minimized by July 2003 as per the recommendation of NTF	Complied.

		Industries will submit the target date to enhance the utilization of waste material by April 2003	We are using the AFR waste material in our kiln.
		NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003	Not Applicable
		Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003	Agreed.
22	Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.	Vehicular emission is kept under control. Regular maintenance of all vehicles is done as per manufacturer's maintenance schedule i.e. changing of timely diesel filters, calibration of Fuel pump, overhauling of engines etc. No vehicle without valid PUC is allowed inside the plant and mines area. The vehicles engaged in transportation of minerals outside the 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 duringpublic hearing on 22ndMay, 2008.The public hearing comments are enclosed as Annexure 14.	
	B.GeneralCondition:		
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, SO ₂ and NO _x are anticipated in consultation with	We are regularly monitor the ambient air quality at different locations in villages.	

	theSPCB	
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.	<p>No industrial wastewater is generated as the cement plant is operated on dry process.</p> <p>For domestic wastewater, there is a sewage treatment plant with capacity of 600 KLD.</p>  <p>Contaminated water generated due to washing of equipment is passed through oil and grease separation tankers. For separation of oil and grease particles from water, prime mover has been provided.</p>  



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

		<p>STP treated water analysis report is enclosed as Annexure 5 (b). Mines workshop treated water Analysis Report is enclosed as Annexure- 16</p>
6	<p>The overall noise levels in and around the plant area shall be kept well within the standards [85 dB(A)] by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.</p>	<p>The overall noise level is within threshold limit of 85dB(A). To arrest the noise levels all equipment are equipped with acoustic hoods, silencer,enclosures etc. besides that operators havebeen provided with PPE. Green belt is developed along the plant andmining area to minimize the noise pollution.</p>
	<p>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).</p>	<p>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(c).</p>
7	<p>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 least30-40 years. The programme shall include lung function and sputum analysis maintained properly tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc</p>	<p>We have already conducted various healthsurveillance programs whose records aremaintained properly. Also sufficient preventive measures are adopted during the plant and miningoperation to avoid direct exposure to dustetc.</p> <p>Occupational Health Survey (OHS)</p> <p>a) Periodical Medical Examinations are conducted of each employee by outsidespecialists once in every 5 years.Under this scheme each employeundergoes Pathological tests, blood grouptest, chest X-Rays, Audiometry tests, eyetest etc. once every 5 years. Proper records of such tests are maintained. Not a singlecase of any occupational disease has so farbeen detected in our mines/plant. - Samplemedical examination note is displayed.</p> <p>b) Welfare Amenities: A well-equipped Dispensary has beenprovided with Provision of Ambulance,Pathological Laboratory& X-Ray, andAudiometry etc.</p> <p>OHC reports are enclosed as Annexure 17 (a). Details of various health programmes conducted is enclosed as Annexure 17 (b).</p>
7	<p>The company shall undertake eco-development measures including community welfare measures in the project area.</p>	<p>Various programs per training to eco development andcommunity welfare has been taken up by the company. Various Social, educational, healthcare and environment initiative shave been taken by the company.</p>

		Details of CSR Activities of year 2019-20 is enclosed as Annexure 18.
8	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	<p>Complying with We are strictly adhering with the Environment protection measures as stipulated in approved EMP of mines.</p> <p>Environment Management measures adopted in Prism Johnson Limited:-</p> <ol style="list-style-type: none"> 1. Air Pollution Control Measures i.e. bag house, ESP and bag filters installed at all process stack & transfer tower respectively. 2. Truck mounted road sweeping machine for fugitive emission control. 3. CO₂ abatement by the way of plantation. 4. Limiting and minimization of hazardous materials and chemicals during manufacturing and zero disposal of hazardous waste within the boundaries. 5. Fleet and route optimization for energy and fuel saving resulting in a reduction of the CO₂ emission. 6. Installation of Continuous Emission Monitoring System (CEMS) to monitor and analyze the flue gas emitting from the stack and other emission devices. 7. Installation of bag filter, bag house and Electrostatic Precipitators (ESP) to prevent the emission of Particulate Matters. 8. Continuous and regular housekeeping of shop floor and premises to collect the waste generated and put back that waste back into a process which is to target circular economy. Zero waste has been generated through processing; all waste is reused for manufacturing. 9. Rigid pavements have been constructed within the plant and in the vicinity of plant for the transportation of the fleets. 10. Carbon sinks have been made; plantation have been done in the periphery of the establishment under to absorb the CO₂ emitted and to become a carbon neutral. 11. In house Sewage Treatment Plant (STP) of the capacity of 600KLD has been in operation from (1996) and the no all treated water is used in nursery and in manufacturing operations especially for cooling purposes. 12. Various AFRs like carbon black and plastic waste have been used to as a fuel to avoid disposal of the waste. 13. Natural STP has been set up to reuse the leaked or spilled water during the operations and the treated water is used for gardening purposes. 14. All the water pipelines are reviewed and maintained on a regular basis. Leaked taps have been replaced immediately which resulted in saving water resources. 15. Mist Cannons are used to prevent the fugitive emissions occurred during the operations. 16. Installation of Waste Heat Recovery System (WHRS) and

		<p>Selective Non-Catalytic Reduction (SNCR) has been carrying out to reduce the impact of CO₂& Nox on the environment respectively.</p> <p>17. Solar Panels of the capacity of 17MW which is 40% of the total energy required for the entire establishment are being installed.</p>
9	Environmental Management Cell has to be established to carry out functions relating to environmental management action plans. The head of the cell should directly report to the Chief Executive	Environmental Management Cell is functioning effectively, Structure of which is enclosed as Annexure 19 .
10	The capital cost and recurring cost annum earmarked for environmental protection equipments shall be Rs. 115 Crores and Rs.3.20 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	<p>Complying with the condition, the capital cost and the recurring cost earmarked for environmental protection are not diverted for any other purpose.</p> <p>Year Wise Recurring Expenditure for Environmental Management is enclosed as Annexure 20.</p>
11	The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Agreed.
	A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Six monthly compliance report and the monitored data is being submitted to Regional Office of the Ministry / CPCB / SPCB regularly. Last compliance report was submitted vide letter no – PCL/ ENV/ 2019 dated 15.06.2019 .
12	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	The copy of the intimation of the financial closure Of the project is enclosed as Annexure-21 .
13	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made.	<p>Agreed</p> <p>No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment & Forests.</p>
14	Measures should be taken for control of noise levels below 85dB (A) in the work environment. Workers engaged in operations of HEMM etc. should be	<p>Noise monitoring is carried out on regular basis so as to comply with the prescribed norms.</p> <p>Workers and employees are provided with earmuffs and necessary PPE's.</p>

	provided with ear plugs/muffs.	
15	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	<p>No industrial wastewater is generated as the cement plant is operated on dry process.</p> <p>For domestic wastewater, there is a sewage treatment plant of the state-of-art technology. It has the capacity to treat domestic wastewater of 600 KLPD.</p> <p>Contaminated water generated due to washing of equipment is passed through grease and oil trap tank having separation chambers and pumping arrangement. For separation of oil and grease particles from water, prime mover has been provided. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors.</p>
16	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	<p>Personal protective Equipment's are being provided to the workers and they are given adequate training and information regarding safety and health aspects related to the kind of job they are engaged in.</p> <p>Regular Health check-up program is conducted is done for the workers.</p>
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 closure of 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 locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in" and a	<p>Complied.</p> <p>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.</p> <p>Copy of advertisement is enclosed as Annexure 22.</p>

	copy of the same shall be forwarded to the Regional Office of this Ministry.	
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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack1/09/19

TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF STACK EMISSIONS*

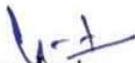
Name of the Company : M/s Prism Johnson Ltd.
Address of the Company : Village Mankahari
Tehsil Rampur Baghelan
District Satna (M.P.)
Date of Monitoring : 16.09.2019
Sample Collected by : Mr. Maan Singh & Mr. Anis Singh
Source of Emission : Raw Mill Emission
Sampling Method : IS: 11255
Instrument Used : Stack Monitoring Kit

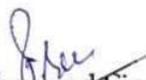
Details of Stack

Material of Construction : M.S.
Stack Attached to : Kiln/Raw Mill Unit-1
Stack Height (m) : 125
Stack Top : Circular
Inside Diameter of Stack (m) : 4.6
(at sampling point)
Cross Sectional Area of Duct/Stack (m²) : 16.61
Ambient Air (°C) : 35.0
Flue Gas Temperature (°C) : 167.0
Exit Velocity of Gas (m/sec.) : 14.75
Flow Rate (Nm³/ sec.) : 161.68
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	Pollutant Concentration in (At 10% O ₂)
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	23.60
2.	Sulphur Dioxide (SO ₂) (mg/Nm ³)	IS:11255 (Part-2)	24.60
3.	Nitrogen Oxides (NO _x) (mg/Nm ³)	IS:11255 (Part-7)	548.30

*The results are related only to item tested.


Analyst


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Quality Manager

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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack2/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 : 16. 09.2019
Sample Collected by : Mr.Maan Singh & Mr. Anis 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) : 36.0
Flue Gas Temperature (°C) : 153.0
Exit Velocity of Gas (m/sec.) : 15.82
Flow Rate (Nm³/ sec.) : 190.97
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	Pollutant Concentration in (At 10% O ₂)
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	21.70
2.	Sulphur Dioxide (SO ₂) (mg/Nm ³)	IS:11255 (Part-2)	19.75
3.	Nitrogen Oxides (NO _x) (mg/Nm ³)	IS:11255 (Part-7)	548.30

*The results are related only to item tested.

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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack3/09/19

TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF STACK EMISSIONS*

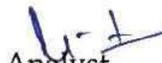
Name of the Company : **M/s Prism Johnson Ltd.**
Address of the Company : Village Mankahari
Tehsil Rampur Baghelan
District Satna (M.P.)
Date of Monitoring : 17. 09.2019
Sample Collected by : Mr.Maam Singh & Mr. Anis Singh
Source of Emission : Coal Mill Emission
Sampling Method : IS: 11255
Instrument Used : Stack Monitoring Kit

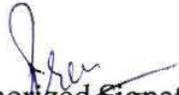
Details of Stack

Material of Construction : M.S.
Stack Attached to : Coal Mill Unit-1
Stack Height (m) : 50.0
Stack Top : Circular
Inside Diameter of Stack (m) : 2.24
(at sampling point)
Cross Sectional Area of Duct/Stack (m²) : 3.94
Ambient Air (°C) : 34.0
Flue Gas Temperature (°C) : 75.0
Exit Velocity of Gas (m/sec.) : 10.28
Flow Rate (Nm³/ sec.) : 33.79
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	<u>Pollutant Concentration</u>
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	25.70

*The results are related only to item tested.


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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack4/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 : 17. 09.2019
Sample Collected by : Mr.Maan Singh & Mr. Anis Singh
Source of Emission : Coal Mill Emission
Sampling Method : IS: 11255
Instrument Used : Stack Monitoring Kit

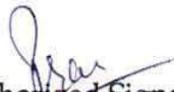
Details of Stack

Material of Construction : M.S.
Stack Attached to : Coal Mill Unit-2
Stack Height (m) : 65.0
Stack Top : Circular
Inside Diameter of Stack (m) : 2.24
(at sampling point)
Cross Sectional Area of Duct/Stack (m²) : 3.94
Ambient Air (°C) : 38.0
Flue Gas Temperature (°C) : 80.0
Exit Velocity of Gas (m/sec.) : 9.72
Flow Rate (Nm³/ sec.) : 31.50
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	16.60

*The results are related only to item tested.


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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack5/09/19

TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF STACK EMISSIONS*

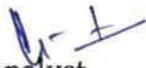
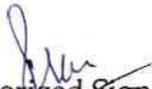
Name of the Company : M/s Prism Johnson Ltd.
Address of the Company : Village Mankahari
Tehsil Rampur Baghelan
District Satna (M.P.)
Date of Monitoring : 17.09.2019
Sample Collected by : Mr.Maan Singh & Mr. Anis Singh
Source of Emission : Cooler Stack Emission
Sampling Method : IS: 11255
Instrument Used : Stack Monitoring Kit

Details of Stack

Material of Construction : M.S.
Stack Attached to : Cooler Unit-1
Stack Height (m) : 50.0
Stack Top : Circular
Inside Diameter of Stack (m) : 4.6
(at sampling point)
Cross Sectional Area of Duct/Stack (m²) : 16.61
Ambient Air (°C) : 34.0
Flue Gas Temperature (°C) : 273.0
Exit Velocity of Gas (m/sec.) : 14.25
Flow Rate (Nm³/ sec.) : 125.87
APCD if any : ESP

Sl. No.	Tests Conducted	Method	Pollutant Concentration
I.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	19.80

*The results are related only to item tested.


Analyst
Authorized Signatory
Ecomen Laboratories Pvt. Ltd.
Flat No.-8, 2nd Floor, Arif Chamber-V
Sector-H, Aliganj, Lucknow-226024
Ph.-2746282, Fax:2745726
Quality Manager

ECOMEN LABORATORIES PVT. LTD.

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Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024

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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack6/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 : 17.09.2019
Sample Collected by : Mr.Maan Singh & Mr. Anis 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) : 35.0
Flue Gas Temperature (°C) : 272.0
Exit Velocity of Gas (m/sec.) : 15.76
Flow Rate (Nm³/ sec.) : 133.42
APCD if any : ESP

Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	27.20

*The results are related only to item tested.


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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack7/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 : 17.09.2019
Sample Collected by : Mr.Maan Singh & Mr. Anis 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 – 1 (Unit -I)
Stack Height (m) : 36.0
Stack Top : Circular
Inside Diameter of Stack (m) : 0.96
(at sampling point)
Cross Sectional Area of Duct/Stack (m²) : 0.72
Ambient Air (°C) : 35.0
Flue Gas Temperature (°C) : 83.0
Exit Velocity of Gas (m/sec.) : 7.24
Flow Rate (Nm³/ sec.) : 4.25

APCD if any		:	Bag House
Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-I)	20.60

*The results are related only to item tested.


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FORMAT NO. ECO/QS/FORMAT/12

TEST REPORT NO: ECO LAB/Stack8/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 : 17.09.2019
Sample Collected by : Mr. Maan Singh & Mr. Anis 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 - I)
Stack Height (m) : 36.0
Stack Top : Circular
Inside Diameter of Stack (m) : 0.96
(at sampling point)
Cross Sectional Area of Duct/Stack (m²) : 0.72
Ambient Air (°C) : 36.0
Flue Gas Temperature (°C) : 84.0
Exit Velocity of Gas (m/sec.) : 8.35
Flow Rate (Nm³/ sec.) : 4.89
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	17.63

*The results are related only to item tested.


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FORMAT NO. ECO/QS/FORMAT/12 TEST REPORT NO: ECO LAB/Stack9/09/19
TEST REPORT ISSUE DATE: 28.09.2019

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 : 17.09.2019
Sample Collected by : Mr. Maan Singh & Mr. Anis 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-1 (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) : 34.0
Flue Gas Temperature (°C) : 87.0
Exit Velocity of Gas (m/sec.) : 7.78
Flow Rate (Nm³/ sec.) : 4.93
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	18.30

*The results are related only to item tested.


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FORMAT NO. ECO/QS/FORMAT/12 TEST REPORT NO: ECO LAB/Stack10/09/19
TEST REPORT ISSUE DATE: 28.09.2019

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 : 17.09.2019
Sample Collected by : Mr.Maam Singh & Mr. Anis 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) : 35.0
Flue Gas Temperature (°C) : 81.0
Exit Velocity of Gas (m/sec.) : 7.50
Flow Rate (Nm³/ sec.) : 4.83
APCD if any : Bag House

Sl. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) (mg/Nm ³)	IS:11255 (Part-1)	24.60

*The results are related only to item tested.


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**Ecomen Laboratories (P) Ltd.**

FLAT No. 6-8, ARIF CHAMBER-V, SECTOR -H,
ALIGANJ, LUCKNOW-226024
Tel:0522-2746282

Original for Recipient

GSTIN: 09AAACE6076H1ZI**Tax Invoice**

Invoice No:	201920/1041	Date of Supply:	NA
Invoice date:	27.11.2019	Place of Supply	NA
Work Order No, if any:	3100146269-P200 dated 31.05.2019		
Reverse Charge (Y/N):	No		
State:	Uttar Pradesh	Code	9

Bill to Party

Name:	Prism Johnson Limited (Formerly Prism Cement Limited) (Cement Division - Unit II)
Address:	Vill - Mankahari, PO-Bathla Tehsil Rampur Baghelan, Distt. Satna M.P. PIN - 485 111
GSTIN:	23AAACP6224A2Z4
State:	Madhya Pradesh
Code	23

S. No.	Description	SAC	Amount	Discount	Taxable Value	CGST		SGST		IGST		Total
						Rate(%)	Amount	Rate(%)	Amount	Rate(%)	Amount	
1	Ambeint Air Monitoring No.24 @Rs.2747	998346	65928.00	0	65928.00	0	0	0	0	18	11867.04	77795.04
2	Ambeint Noise Monitoring No.24 @Rs.166	998346	3984.00	0	3984.00	0	0	0	0	18	717.12	4701.12
3	Stack Monitoring No.10 @Rs.1165	998346	11650.00	0	11650.00	0	0	0	0	18	2097.00	13747.00
4	Surface Water Analysis No.5 @Rs.2469	998346	12345.00	0	12345.00	0	0	0	0	18	2222.10	14567.10
5	Ground Water Analysis No.16 @Rs.2469	998346	39504.00	0	39504.00	0	0	0	0	18	7110.72	46614.72
6	Waste Water Analysis No.2 @Rs.1388	998346	2776.00	0	2776.00	0	0	0	0	18	499.68	3275.68
7	Ground Water Level No.9 @Rs.500	998346	4500.00	0	4500.00	0	0	0	0	18	810.00	5310.00
8	HEMM Noise Survey No.14 @Rs.166	998346	2324.00	0	2324.00	0	0	0	0	18	418.32	2742.32
9	Waste Water (mine Workshop No.01 @Rs.2000	998346	2000.00	0	2000.00	0	0	0	0	18	360.00	2360.00
Total			145011.00	0	145011.00	0	0	0	0	26102	171113	

Total Invoice amount in words	Total Amount before Tax	145011.00
Rs. One Lakh Seventy One Thousand One Hundred thirteen Only	Add: CGST	0
	Add: SGST	0
	Add: IGST	26102
	Total Tax Amount	26102
	Total Amount after Tax:	171113

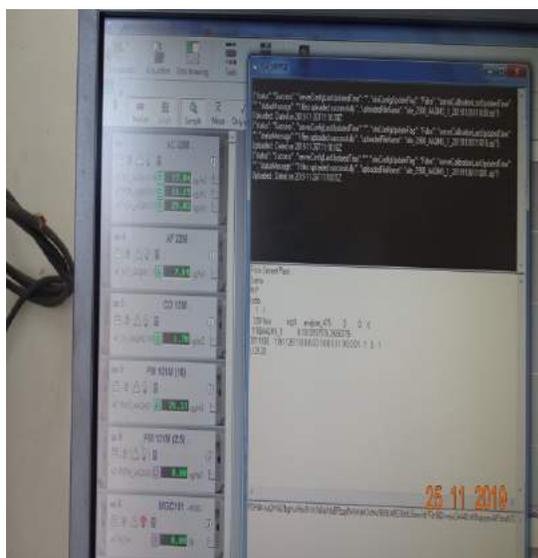
Bank Details		GST on Reverse Charge	0
Bank:	State Bank of India	Certified that the particulars given above are true and correct For ECOMEN LABORATORIES PVT. LTD.  Managing Director Authorised signatory	
Branch Code:	50826		
Bank A/C:	65029620463		
Bank IFSC:	SBIN0050826		
Terms & conditions:	NA		
Common Seal			



AAQMS Station



AAQMS Panel



Desktop showing monitoring data



Continuous Emission Monitoring system Panel



LED Display of emission parameters at Main Gate of premises

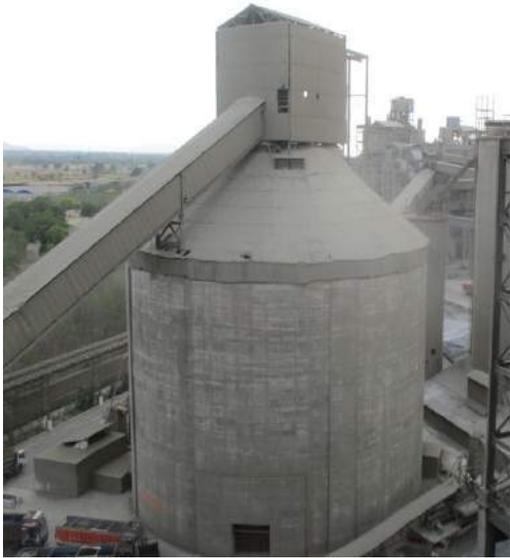


Continuous Air Quality Monitoring Station



Continuous Stack Emission Monitoring Station





Plantation & Concrete roads

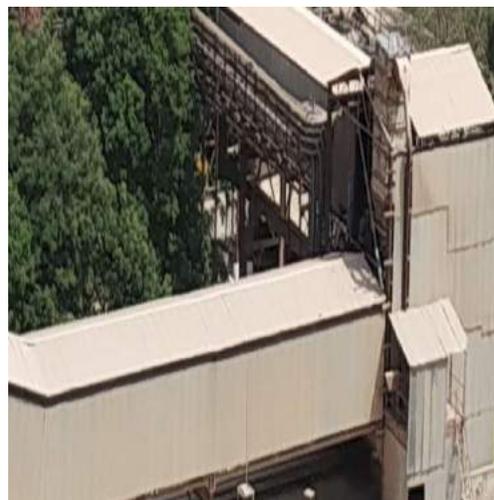




Water Sprinkling



Covered Conveyor Belt & Bag filters





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LABORATORIES PVT. LTD.

FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ1/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
 Sampling Method : IS: 5182
 Instrument Used : FDS & RDS

Sl. No.	Tests Conducted	Method	Result				Limit as per National Ambient Air Quality Standards
			L1	L2	L3	L4	
			16.09.2019	16.09.2019	16.09.2019	16.09.2019	
1	PM _{2.5} (µg/m ³)	NAAQM guide line volume - I by CPCB	36.80	44.70	52.60	44.30	60
2	PM ₁₀ (µg/m ³)	IS:5182 (Part-23)	71.20	76.74	86.52	81.50	100
3	SO ₂ (µg/m ³)	IS:5182 (Part-2)	15.36	13.60	16.70	19.30	80
4	NO _x (µg/m ³)	IS:5182 (Part-6)	22.30	24.60	22.20	25.70	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.77	0.80	0.88	0.86	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/AAQ2/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
 Sampling Method : IS: 5182
 Instrument Used : FDS & RDS

Sl. No.	Tests Conducted	Method	Result				Limit as per National Ambient Air Quality Standards
			L1	L2	L3	L4	
			17.09.2019	17.09.2019	17.09.2019	17.09.2019	
1	PM _{2.5} (µg/m ³)	NAAQM guide line volume - I by CPCB	53.30	41.80	36.30	35.60	60
2	PM ₁₀ (µg/m ³)	IS:5182 (Part-23)	85.40	76.40	64.40	67.30	100
3	SO ₂ (µg/m ³)	IS:5182 (Part-2)	16.90	20.20	15.84	21.10	80
4	NO _x (µg/m ³)	IS:5182 (Part-6)	24.30	23.30	25.40	25.70	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.88	0.83	0.57	0.55	02

*The results are related only to item tested.

Note:

L1= Nr Mines Site Office

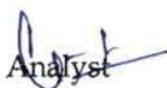
L2= Near Western Block Garden,

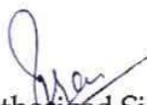
L3=Village Hinauti

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/AAQ3/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
 Sampling Method : IS: 5182
 Instrument Used : FDS & RDS

Sl. No.	Tests Conducted	Method	Result				Limit as per National Ambient Air Quality Standards
			L1	L2	L3	L4	
			18.09.2019	18.09.2019	18.09.2019	18.09.2019	
1	PM _{2.5} (µg/m ³)	NAAQM guide line volume - I by CPCB	35.80	48.60	52.70	50.80	60
2	PM ₁₀ (µg/m ³)	IS:5182 (Part-23)	72.30	74.30	76.40	81.20	100
3	SO ₂ (µg/m ³)	IS:5182 (Part-2)	14.20	15.60	15.70	15.30	80
4	NO _x (µg/m ³)	IS:5182 (Part-6)	20.10	21.20	24.30	19.60	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.75	0.71	0.74	0.78	02

*The results are related only to item tested.

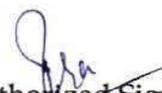
Note:

L1= Adiwasi Tola (Nr Bagahai ML Area) L2= At BaisanTola (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


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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
Sampling Method : IS: 5182
Instrument Used : FDS & RDS

Sl. No.	Tests Conducted	Method	Result				Limit as per National Ambient Air Quality Standards
			L1	L2	L3	L4	
			19.09.2019	19.09.2019	19.09.2019	19.09.2019	
1	PM _{2.5} (µg/m ³)	NAAQM guide line volume – I by CPCB	58.60	55.80	58.30	56.30	60
2	PM ₁₀ (µg/m ³)	IS:5182 (Part-23)	93.80	96.60	93.20	89.50	100
3	SO ₂ (µg/m ³)	IS:5182 (Part-2)	23.20	22.30	16.70	16.10	80
4	NO _x (µg/m ³)	IS:5182 (Part-6)	26.30	28.40	25.30	23.80	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.96	0.90	0.89	0.86	02

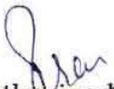
*The results are related only to item tested.

Note:

L1= Near Cement Mill Unit –II
L3= Near Packing Plant

L2= Near Railway Yard,
L4= Kiln Unit-II


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FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ5/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
 Sampling Method : IS: 5182
 Instrument Used : FDS & RDS

Sl. No.	Tests Conducted	Method	Result				Limit as per National Ambient Air Quality Standards
			L1	L2	L3	L4	
			20.09.2019	20.09.2019	20.09.2019	20.09.2019	
1	PM _{2.5} (µg/m ³)	NAAQM guide line volume - I by CPCB	36.50	40.60	41.70	36.10	60
2	PM ₁₀ (µg/m ³)	IS:5182 (Part-23)	74.80	86.20	76.30	63.70	100
3	SO ₂ (µg/m ³)	IS:5182 (Part-2)	13.80	17.60	22.30	18.30	80
4	NO _x (µg/m ³)	IS:5182 (Part-6)	18.20	21.80	25.60	22.30	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.84	0.82	0.73	0.72	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

Authorized Signatory

Ecomen Laboratories Pvt. Ltd.
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ECOMEN LABORATORIES PVT. LTD.

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Phone No. : (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1Z1

ecoMen
LABORATORIES PVT. LTD.

FORMAT NO. ECO/QS/FORMAT/10

TEST REPORT NO: ECO LAB/AAQ6/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
 Sampling Method : IS: 5182
 Instrument Used : FDS & RDS

Sl. No.	Tests Conducted	Method	Result				Limit as per National Ambient Air Quality Standards
			L1	L2	L3	L4	
			21.09.2019	21.09.2019	21.09.2019	21.09.2019	
1	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	NAAQM guide line volume - I by CPCB	32.20	34.60	35.60	33.70	60
2	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	IS:5182 (Part-23)	58.60	67.30	63.60	65.80	100
3	SO ₂ ($\mu\text{g}/\text{m}^3$)	IS:5182 (Part-2)	15.40	18.60	16.75	15.20	80
4	NO _x ($\mu\text{g}/\text{m}^3$)	IS:5182 (Part-6)	21.24	24.60	21.60	24.60	80
5	CO (mg/m ³)	IS:5182 (Part-10)	0.54	0.65	0.73	0.67	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 & Rural Other Area

Analyst 

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


 Quality Manager



LATA ENVIROTECH SERVICES - CENTRE FOR CALIBRATION LABORATORY

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.)
 E-mail : lescccl307@gmail.com, lescccllab@gmail.com, Cell No. 9821735177, 9821735178, 9355384939
 Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002060F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/427		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	721 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
Sl.No.	T- 722	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	Sl.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k = 2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 1250.05hrs.)	15.0094	-0.06	± 2.31 %

Uncertainty Contributing Factor :-

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

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

Notes :-

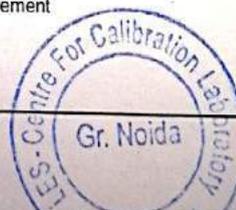
1. Reference used are directly traceable to national standard through unbroken chain of calibration .
2. Results reported are valid at the time of and under the stated conditions of measurement
3. This Certificate refers only to the particular item calibrated.
4. This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)

Checked By

Authorized By

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





LATA ENVIROTECH SERVICES - CENTRE FOR CALIBRATION LABORATORY

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Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002059F	Calib. Field - Fluid Flow	Page 1 of 2		
Certificate No.	LES-CCL/FF/PM/SC/235				
Calibration Date	08-06-2019	Suggested Date of Next Calibration	07-06-2020		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)				
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019	Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	722 - DTC - 2011

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration	
Make/Trade Mark	Ittron	Temperature (°C)	25 ± 10
SI.No.	110121364	Relative Humidity (%)	45-75
Cal. Range	16.67 lpm (±5%)	Barometric Pressure (mmHg)	743.48

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No.	Traceability
1	GAS FLOW CALIBRATOR	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
	STOP WATCH	0 - 59 min.	LES-CCL/R/14510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date	Valid Up to	
1	N181011025-1	12.10.2018	12.10.2019	
2	LES-CCL/ET/SW/76	29-08-2018	28-08-2019	

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

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

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

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
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Checked By

Authorized By

Devendra Singh

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(Technical Manager)

Shivshanker Singh

SHIVSHANKER SINGH
(Chief Executive Officer)





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Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002062F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/428		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019 Date of Issue:- 11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	723 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
Sl.No.	T- 723	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	Sl.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 1708.39hrs.)	15.0094	-0.06	± 2.309 %

Uncertainty Contributing Factor :-

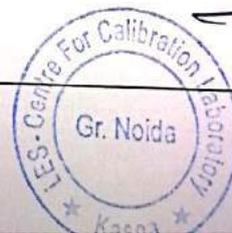
1. Repeatability (based on five measurement)
2. Uncertainty of master instruments
3. Uncertainty due to resolution of DUC

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

Notes :-

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Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)





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Website : www.lescc1lab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002057F	Calib. Field - Fluid Flow	Page 1 of 2		
Certificate No.	LES-CCL/FF/PM/SC/234				
Calibration Date	08-06-2019	Suggested Date of Next Calibration	07-06-2020		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)				
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019	Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	721 - DTC - 2011

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration	
Make/Trade Mark	ltron	Temperature (°C)	25 ± 10
SI.No.	110121362	Relative Humidity (%)	45-75
Cal. Range	16.67 lpm (±5%)	Barometric Pressure (mmHg)	743.48

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No.	Traceability
1	GAS FLOW CALIBRATOR	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
	STOP WATCH	0 - 59 min.	LES-CCL/R/14510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date		Valid Up to
1	N181011025-1	12.10.2018		12.10.2019
2	LES-CCL/ET/SW/76	29-08-2018		28-08-2019

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

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

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

Notes :-

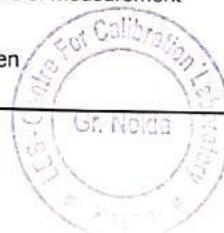
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(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





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Website : www.lesccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002077F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/435		
Calibration Date	10.06.2019	Suggested Date of Next Calibration	09.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07.06.2019
		Date of Issue:-	11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	904 - Date - G - 2000

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
SI.No.	T- 904	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 184.62hrs.)	15.0094	-0.06	± 2.309 %

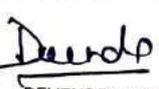
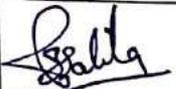
Uncertainty Contributing Factor :-

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

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

Notes :-

1. Reference used are directly traceable to national standard through unbroken chain of calibration.
2. Results reported are valid at the time of and under the stated conditions of measurement
3. This Certificate refers only to the particular item calibrated.
4. This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)

Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)





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Website : www.lescccllab.com

CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225319000002068F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/MF/SC/184		
Calibration Date	08-06-2019	Suggested Date of Next Calibration	07-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1981 - DTC - 2011

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
Make/Trade Mark	Envirotech Instrument	Temperature(°C)	25 ± 10
SI.No.	1981 - DTC - 2011	Relative Humidity (%)	45-75
Cal. Range	0.6 -1.4 m ³ /min	Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

S.No	Standard Equipment Name	Range	SI.No./ID No.	Traceability
1	Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304	LES-CCL Gr. Noida
	Certificate No.	Cali. Date	Valid Up to	
1	LES-CCL/FF/TLC/52	06.07.2018	05.07.2019	

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

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

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration.
- Results reported are valid at the time of and under the stated conditions of measurement
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Website : www.lesccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002076F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/MF/SC/188		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	904 - Date - G - 2000

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
Make/Trade Mark	Envirotech Instrument	Temperature(°C)	25 ± 10
Sl.No.	904 - Date - G - 2000	Relative Humidity (%)	45-75
Cal. Range	0.6 -1.4 m ³ /min	Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

S.No	Standard Equipment Name	Range	Sl.No./ID No.	Traceability
1	Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304	LES-CCL Gr. Noida
	Certificate No.	Cali. Date	Valid Up to	
1	LES-CCL/FF/TLC/52	06.07.2018	05.07.2019	

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve
2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

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Devendra Singh

DEVENDRA SINGH
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Website : www.lescc1lab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002075F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/434		
Calibration Date	10.06.2019	Suggested Date of Next Calibration	09.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07.06.2019
		Date of Issue:-	11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1980 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
Sl.No.	T- 1980	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	Sl.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 2851.75hrs.)	15.0094	-0.06	± 2.31

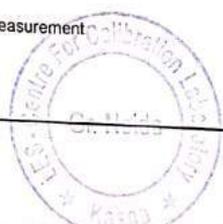
Uncertainty Contributing Factor :-

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

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

Notes :-

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Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)



LATA ENVIROTECH SERVICES - CENTRE FOR CALIBRATION LABORATORY

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.)

E-mail : lescccl307@gmail.com, lescccllab@gmail.com, Cell No. 9821735177, 9821735178, 9355384939

Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002074F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/MF/SC/187		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1980 - DTC - 2011

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
Make/Trade Mark	Envirotech Instrument	Temperature(°C)	25 ± 10
Sl.No.	1980 - DTC - 2011	Relative Humidity (%)	45-75
Cal. Range	0.6 -1.4 m ³ /min	Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

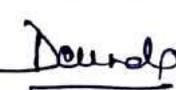
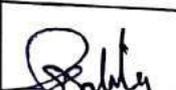
S.No	Standard Equipment Name	Range	Sl.No./ID No.	Traceability
1	Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304	LES-CCL Gr. Noida
	Certificate No.	Cali. Date	Valid Up to	
1	LES-CCL/FF/TLC/52	06.07.2018	05.07.2019	

04. Calibration Procedure :- LES-CCL/MI/31/FF/SC/08

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve
2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration.
- Results reported are valid at the time of and under the stated conditions of measurement
- This Certificate refers only to the particular item calibrated.
- This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)

Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)





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Website : www.lesccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002071F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/432		
Calibration Date	10.06.2019	Suggested Date of Next Calibration	09.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07.06.2019
		Date of Issue:-	11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1977 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
SI.No.	T- 1977	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 1328.09hrs.)	15.0054	-0.04	± 2.31

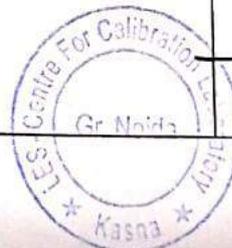
Uncertainty Contributing Factor :-

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

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

Notes :-

1. Reference used are directly traceable to national standard through unbroken chain of calibration.
2. Results reported are valid at the time of and under the stated conditions of measurement
3. This Certificate refers only to the particular item calibrated.
4. This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)



Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)



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Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002070F	Calib. Field - Fluid Flow	Page 1 of 3		
Certificate No.	LES-CCL/FF/MF/SC/185				
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)				
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019	Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1977 - DTC - 2011

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
Make/Trade Mark	Envirotech Instrument	Temperature(°C)	25 ± 10
SI.No.	1977 - DTC - 2011	Relative Humidity (%)	45-75
Cal. Range	0.6 -1.4 m ³ /min	Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

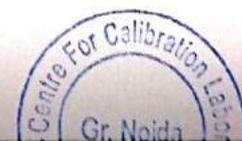
S.No	Standard Equipment Name	Range	SI.No./ID No.	Traceability
1	Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304	LES-CCL Gr. Noida
	Certificate No.	Cali. Date	Valid Up to	
1	LES-CCL/FF/TLC/52	06.07.2018	05.07.2019	

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

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

Notes :-	Checked By	Authorized By
1. Reference used are directly traceable to national standard through unbroken chain of calibration .	 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)
2. Results reported are valid at the time of and under the stated conditions of measurement		
3. This Certificate refers only to the particular item calibrated.		
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Website : www.lescc1lab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002072F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/MF/SC/186		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1976 - DTC - 2011

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
Make/Trade Mark	Envirotech Instrument	Temperature(°C)	25 ± 10
Sl.No.	1976 - DTC - 2011	Relative Humidity (%)	45-75
Cal. Range	0.6 - 1.4 m ³ /min	Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

S.No	Standard Equipment Name	Range	Sl.No./ID No.	Traceability
1	Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304	LES-CCL Gr. Noida
	Certificate No.	Cali. Date	Valid Up to	
1	LES-CCL/FF/TLC/52	06.07.2018	05.07.2019	

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve
2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

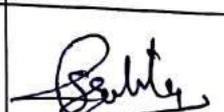
Notes :-

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Checked By

Authorized By


DEVENDRA SINGH
(Technical Manager)


SHIVSHANKER SINGH
(Chief Executive Officer)





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Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002073F		Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/433			
Calibration Date	10.06.2019	Suggested Date of Next Calibration		09.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)			
Reference :- S.R.F. No. -	2019/642	Date :-	07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Respirable Dust Sampler	Envirotech Instrument	APM - 460BL	1976 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
SI.No.	T- 1976	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k = 2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 1877.14hrs.)	15.0054	-0.04	± 2.31

Uncertainty Contributing Factor :-

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

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

Notes :-

1. Reference used are directly traceable to national standard through unbroken chain of calibration.
2. Results reported are valid at the time of and under the stated conditions of measurement
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Checked By

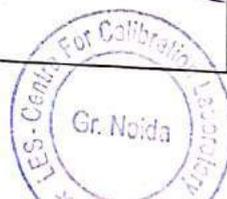
Authorized By

Devendra Singh

DEVENDRA SINGH
(Technical Manager)

Shivshanker Singh

SHIVSHANKER SINGH
(Chief Executive Officer)





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Website : www.lescccllab.com



CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225319000002050F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/562		
Calibration Date	10.06.019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Stack Sampler	VUPL	VSS - 1	623 - DTG - 09

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	-	Temperature(°C)	25±3
Model	-	Relative Humidity (%)	45-75
SI.No.	E9B078	B. Pressure (mmHg)	736.30
Cal. Range	0 - 3 lpm		

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No.	Traceability
1	Air Flow Calibrator	0.1 - 10.0 lpm	002-DTD-2015	CSIR, NPL, New Delhi
2	Digital Vacuum Indicator	0 - 75 mmHg	Sr. No. 03	BELZ, Faridabad
3	Digital Temp. Indicator	0 - 50°C	T- 02	BELZ, Faridabad
SI.No.	Certificate No.	Calibration Date		Valid Up to
1	18070499/D1.08/C-018	01-08-2018		01-08-2019
2	40000898	30-10-2018		29-10-2019
3	6205124	15-06-2018		14-06-2019

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

Remark 1. Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration.
- Results reported are valid at the time of and under the stated conditions of measurement.
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Checked By

Authorized By

Devendra Singh
DEVENDRA SINGH
(Technical Manager)

Shivshanker Singh
SHIVSHANKER SINGH
(Chief Executive Officer)



K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.)
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 Website : www.lesccllab.com

CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225319000002054F	Calib. Field - Fluid Flow	Page 1 of 2
Certificate No.	LES-CCL/FF/PT/139		
Calibration Date	10.06.219	Suggested Date of Next Calibration 09-06-2020	
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No.	2019/642	Date :- 07-06-2019	Date of Issue:- 11-06-2019

01. Details of DUC

Name	S -TYPE PITOT TUBE	Environmental Conditions During Calibration	
Make/Trade Mark	-	Temperature (°C)	25 ± 3
Length	0.6 mtr.	Relative Humidity (%)	45-75
SI.No.	V - 102	Barometric Pressure (mmHg)	736.30
Cal. Range	3 - 20 m/sec		

02. Standard Equipment used for calibration

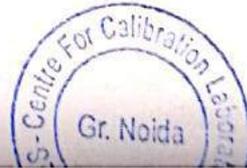
SI.No.	Standard Equipment Name	Range	SI.No./ID.No.	Traceability
1.	S Type Pitot Tube	3 to 25 m/s	V626 / LES-CCL/R/12101	FCRI, Palakkad
2.	Digita Manometer	0 - 500 mmwc	VEMN1612014 / LES-CCL/R/2514	LES-CCL, Gr. Noida
3.	Dig.Temp.Indicator With Sensor	0 - 50 °C	T- 01 /LES -CCL/R/15301	BELZ, Faridabad
	Certificate No.		Calibration Date	Valid Up to
1	CAW 896 1807 094		17.07.2018	NM
2	LES-CCL/MECH/PI/26		23.01.2019	22.01.2020
3	6205123		15.06.2018	14.06.2019

03. Calibration Procedure :- LES-CCL/WI/31/FF/06

Remark 1. Refer page 2 of 2 for Calibration Results.
 2. The Velocity has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-
 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
 2. Results reported are valid at the time of and under the stated conditions of measurement
 3. This Certificate refers only to the particular item calibrated.
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Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)





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Website : www.lescccllab.com



CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225319000002052F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/SW/119		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in the Instruments

Name	Make	Model	SI.No.
Stack Sampler	VUPL	VSS - 1	623 - DTG - 09

02. Details of DUC

Name	Stop watch	Environmental Conditions During Calibration	
Make/Trade Mark	-	Temperature (°C)	25 ± 3
SI.No./ID.No.	SW - 623	Relative Humidity (%)	45 - 75
Cal. Range	0 - 15 min.	Barometric Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure : LES-CCL/WI/31/ET/02

05. Calibration Results :-

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC (min)	Standard reading Average five Measurements Time (min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k = 2) (Sec)
1	15.005	15.0054	0.00	± 0.64

Uncertainty Contributing Factors :- 1. Repeatability (based on five measurements)

2. Uncertainty of master instruments 3. Resolution of DUC

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

Notes :-

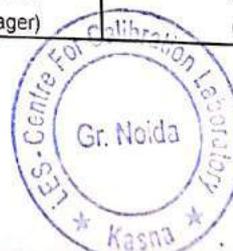
- Reference used are directly traceable to national standard through unbroken chain of calibration.
- Results reported are valid at the time of and under the stated conditions of measurement
- This Certificate refers only to the particular item calibrated.
- This certificate shall not be reproduced, except in full without the written permission of LES Instruments - CCL, Kasna, Greater Noida (U.P.)

Checked By

Authorized By

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





CALIBRATION CERTIFICATE

ULR No.	CC22531900002051F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/563		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date : 07-06-2019	Date of Issue:- 11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Stack Sampler	VUPL	VSS - 1	623 - DTG - 09

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	-	Temperature(°C)	25 ± 3
Model	-	Relative Humidity (%)	45 -75
SI.No.	E9B090	B. Pressure (mmHg)	745.75
Cal. Range	0 - 30 lpm		

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	Sr.No./ID No.	Traceability
1	Air Flow Calibrator	0.1 - 10.0 lpm	002-DTD-2015	CSIR, NPL, New Delhi
2	Digital Vacuum Indicator	0 - 75 mmHg	Sr. No. 03	BELZ, Faridabad
3	Digital Temp. Indicator	0-50°C	T- 02	BELZ, Faridabad
4	Orifice Flow Calibrator	11 to 100 lpm	001-DTD-2015	LES - CCL, Gr. Noida

SI.No.	Certificate No.	Calibration Date	Valid Up to
1	18070499/D1.08/C-018	01-08-2018	01-08-2019
2	40000898	30/10/2018	29/10/2019
3	6205124	15/06/2018	14/06/2019
4	LES-CCL/FF/RF/791	28/07/2018	27/07/2019

04. Calibration Procedure :- LES-CCL/WI/31/FF/03 & 04

Remark : 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for calibration curve

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

Notes :-

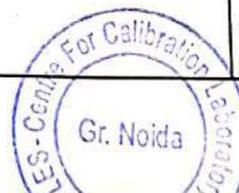
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Checked By

Authorized

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER
(Chief Executive)





LATA ENVIROTECH SERVICES - CENTRE FOR CALIBRATION LABORATORY

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.)

E-mail : lescc1307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178, 9355384939

Website : www.lesccllab.com



CC-225

CALIBRATION CERTIFICATE

ULR No.	CC225319000002053F	Calibration Field - Mechanical	Page 1 of 2
Certificate No.	LES-CCL/MECH/VG/99		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :-	M/s Prism Johnson Limited		
Address :-	(Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :-	S.R.F. M 2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in Instrument

Name	Make	Model	SI.No.
Stack Sampler	VUPL	VSS - 1	623 - DTG - 09

02. Details of DUC

Name	Vacuum Gauge (GAS) / (SPM)	Temperature(°C)	25 ± 3
Make	Guru	Relative Humidity (%)	45 -75
SI.No.	SVG - 623/ GVG - 623	B. Pressure (mmHg)	745.60
Cal. Range	80- 500 mmHg		

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No.	Traceability
1. Digital Vacuum Gauge	-1.0 to 2 bar	VEM1503079 / LES-CCL/R/2504	BELZ, Faridabad
Certificate No.	7138966	Calibration Date	19.06.2018
		Valid Up to	18.06.2019

04. Calibration Procedure :- LES-CCL/WI/31/MECH/02

Remark : Refer page 2 of 2 for Calibration Results

Notes :-

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Authorized By

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SHIV SHANKAR SINGH
(Chief Executive Office)





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Website : www.lescccllab.com



CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225319000002055F	Calibration Field - Thermal	Page 1 of 2
Certificate No.	LES-CCL/TH/TP/95		
Calibration Date	10-06-2019	Suggested Date of Next Calibration 09-06-2020	
Customer Name :- M/s Prism Johnson Limited Address :- (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)			
Reference :- S.R.F. No.	2019/642	Date :- 07-06-2019	Date of Issue:- 15-04-2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Stack Sampler	Vayubodhan	VSS - 1	623 - DTG - 09

02. Details of DUC

Name	Thermocouple with Temperature Indicator	Environmental Conditions During Calibration	
Make/Trade Mark	Audiotronics	Temperature(°C)	25 ± 3
Model	-	Relative Humidity %	45 -75
SI.No.	TP - 0401909	B. pressure (mmHg)	745.60
Cal. Range	50 - 600 °C		

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No.	Traceability
Digital Thermometer with R - Type T/C	0 - 1600 °C	YD5002383	BELZ, Faridabad
Dry Block Furnance	50 - 650 °C	1/952-14	BELZ, Faridabad
Certificate No.	Calibration Date	Valid Up to	
6205125	15.06.2018	14.06.2019	
6160982	25.05.2016	NM	

04. Calibration Procedure :- LES-CCL/WI/31/TH/01

Remark : Refer page 2 of 2 for Calibration Results.

Notes :-

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Checked By	Authorized By
 DEVENDRA SINGH (Technical Manager)	 SHIV SHANKAR SINGH (Chief Executive Offic





CALIBRATION CERTIFICATE

ULR No.	CC225319000002056F	Calib. Field - Mechanical	Page 1 of 2
Certificate No.	LES-CCL/MECH/PI/109		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No.	2019/642	Date :- 07-06-2019	Date of Issue:- 11-06-2019

01. DUC Fitted in Instrument

Name	Make	Model	SI.No.
Stack Sampler	Vayubodhan	VSS - 1	623 - DTG - 09

02. Details of DUC

Name	Pressure Indicator	Environmental Conditions During Calibration	
Make	Testo	Temperature (°C)	25 ± 3
Model	Testo- 510	Relative Humidity (%)	45-75
SI.No.	PI - 623	Baromatic Pressure (mmHg)	745.60
Cal. Range	0 - 1000 mmH ₂ O		

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./I.D.No.	Traceability
1. Digital Pressure Gauge	0 - 2000 mmWC	VEM1503080/LES-CCL/R/2503	BELZ, Faridabad
Certificate No.	7138967	Calibration Date	Valid Up to
		19.06.2018	18.06.2019

04. Calibration Procedure :- LES-CCL/WI/31/MECH/ 01

Remark : Refer page 2 of 2 for Calibration Results

Notes :-

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Checked By

Authorized By

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SHIVSHANKER SINGH
(Chief Executive Officer)





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CC-2253

Website : www.lescc1307.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002081F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/568		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :- 07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	1367 - DATE - G - 2000

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	S.S Flow	Temperature(°C)	25±10
Model	-	Relative Humidity (%)	45-75
SI.No.	2004/1046	B. Pressure (mmHg)	741.30
Cal. Range	0 -3 lpm		

03. Standard Equipment used for calibration

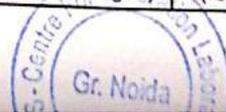
No.	Standard Equipment Name	Range	SI.No.	Traceability
1.	Gas Flow Calibrator	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
SI.No.	Certificate No.	Calibration Date		Valid Up to
1	N181011025-1	12.10.2018		12.10.2019

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

Remark 1. Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

Notes :-	Checked By	Authorized By
1. Reference used are directly traceable to national standard through unbroken chain of calibration .	 DEVENDRA SINGH (Technical Manager)	 SHIVSHANKER SINGH (Chief Executive Officer)
2. Results reported are valid at the time of and under the stated conditions of measurement		
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CC-225

CALIBRATION CERTIFICATE

ULR No.	CC225319000002080F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/567		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :- 07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	516 - DTE - 97

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	S.S Flow	Temperature(°C)	25±10
Model	LPM - AIR	Relative Humidity (%)	45-75
SI.No.	09/0228	B. Pressure (mmHg)	741.30
Cal. Range	0 -3 lpm		

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No.	Traceability
1.	Gas Flow Calibrator	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
SI.No.	Certificate No.	Calibration Date		Valid Up to
1	N181011025-1	12.10.2018		12.10.2019

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

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

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Website : www.lescc1lab.com

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CALIBRATION CERTIFICATE

ULR No.	CC225319000002083F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/570		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :- 07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	Sl.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	1360 - DATE - G - 2000

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	S.S Flow	Temperature(°C)	25±10
Model	-	Relative Humidity (%)	45-75
Sl.No.	09 / 0213	B. Pressure (mmHg)	741.30
Cal. Range	0 -3 lpm		

03. Standard Equipment used for calibration

Sl.No.	Standard Equipment Name	Range	Sl.No.	Traceability
1.	Gas Flow Calibrator	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
Sl.No.	Certificate No.	Calibration Date		Valid Up to
1	N181011025-1	12.10.2018		12.10.2019

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

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

Notes :-

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CALIBRATION CERTIFICATE

ULR No.	CC225319000002078F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/565		
Calibration Date	0.8.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :- 07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	4297 - DTC - 2011

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	S.S Flow	Temperature(°C)	25±10
Model	LPM - AIR	Relative Humidity (%)	45-75
SI.No.	10/0911	B. Pressure (mmHg)	741.30
Cal. Range	0 -3 lpm		

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No.	Traceability
1.	Gas Flow Calibrator	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
SI.No.	Certificate No.	Calibration Date		Valid Up to
1	N181011025-1	12.10.2018		12.10.2019

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

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

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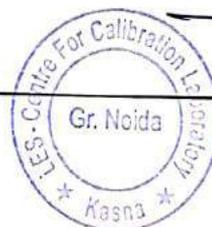
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Devendra Singh

Shivshanker Singh

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SHIVSHANKER SINGH
(Chief Executive Officer)





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CALIBRATION CERTIFICATE

ULR No.	CC225319000002082F	Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/569		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :- 07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	1366 - DATE - G - 2000

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	S.S Flow	Temperature(°C)	25±10
Model	-	Relative Humidity (%)	45-75
SI.No.	09 /0232	B. Pressure (mmHg)	741.30
Cal. Range	0 -3 lpm		

03. Standard Equipment used for calibration

No.	Standard Equipment Name	Range	SI.No.	Traceability
1.	Gas Flow Calibrator	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
SI.No.	Certificate No.	Calibration Date	Valid Up to	
1	N181011025-1	12.10.2018	12.10.2019	

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

Remark 1. Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

Notes :-

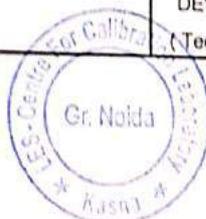
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CALIBRATION CERTIFICATE

ULR No.	CC225319000002049F	Calibration Field	Page 1 of 1
Certificate No.	LES-CCL/MECH/SLM/63	Mechanical	
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. Details of (DUC)

Name	Sound Level Meter	Environmental Condition of During Calibration	
Make / Model	CYGNET	Temperature (°C)	25 ± 3
Sl. No./ID. No.	A0905 - 276	Relative Humidity (%)	45 - 75
Range	30 -130 dB	Baromatic Pressure (mmHg)	736.30

02. Standard Equipment used for calibration

Standard Equipment Name	Range		Traceability
Sound Level Calibrator	94 dB, 114 dB	1.164109	IDEMI, MUMBAI
Certificate No.	Calibration Date	Valid Up to	
CC/ECL/1389/18-19	26-10-2018	NM	

03. Calibration Procedure :- LES-CCL/WI/31/MECH/03

04. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC (dB)	Reference Value (dB)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2)
1	94.0	94.3	-0.32	± 0.41 dB
2	114	113.7	0.26	± 2.23 dB

Remark :The reading of DUC represent the Average, of five reading measurements.

Uncertainty Contributing Factor :- 1. Repeatability (based on five measurement) 2. Uncertainty of master instruments

3. Resolution of DUC

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

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CALIBRATION CERTIFICATE

ULR No.	CC225319000002079F	Calib. Field - Fluid Flow	Page 2 of 3
Certificate No.	LES-CCL/FF/RF/SC/566		
Calibration Date	08.06.2019	Suggested Date of Next Calibration	07.06.2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :- 07.06.2019	Date of Issue:- 11.06.2019

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	4301- DTC - 2011

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
Make/Trade Mark	S.S Flow	Temperature(°C)	25±10
Model	LPM - AIR	Relative Humidity (%)	45-75
SI.No.	910208	B. Pressure (mmHg)	741.30
Cal. Range	0 -3 lpm		

03. Standard Equipment used for calibration

No.	Standard Equipment Name	Range	SI.No.	Traceability
1.	Gas Flow Calibrator	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
SI.No.	Certificate No.	Calibration Date	Valid Up to	
1	N181011025-1	12.10.2018	12.10.2019	

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

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

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

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
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SHIVSHANKER SINGH
(Chief Executive Officer)





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Website : www.lescc1lab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002061F	Calib. Field - Fluid Flow	Page 1 of 2		
Certificate No.	LES-CCL/FF/PM/SC/236				
Calibration Date	08-06-2019	Suggested Date of Next Calibration	07-06-2020		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)				
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019	Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	723 - DTC - 2011

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration	
Make/Trade Mark	Itron	Temperature (°C)	25 ± 10
Sl.No.	110121361	Relative Humidity (%)	45-75
Cal. Range	16.67 lpm (±5%)	Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

Sl.No.	Standard Equipment Name	Range	Sl.No.	Traceability
1	GAS FLOW CALIBRATOR	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
	STOP WATCH	0 - 59 min.	LES-CCL/R/14510	LES - CCL, Gr. Noida
Sl.No.	Certificate No.	Calibration Date	Valid Up to	
1	N181011025-1	12.10.2018	12.10.2019	
2	LES-CCL/ET/SW/76	29-08-2018	28-08-2019	

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

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

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

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
- This Certificate refers only to the particular item calibrated.
- This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)

Checked By

Authorized By

Devendra

Shivshanker

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





LATA ENVIROTECH SERVICES - CENTRE FOR CALIBRATION LABORATORY

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E-mail : lescccl307@gmail.com, lescccllab@gmail.com, Cell No. 9821735177, 9821735178, 9355384939

Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002058F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/426		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019
		Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	721 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
SI.No.	T- 721	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 936.84hrs.)	15.0094	-0.06	± 2 %

Uncertainty Contributing Factor :-

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

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

Notes :-

1. Reference used are directly traceable to national standard through unbroken chain of calibration.
2. Results reported are valid at the time of and under the stated conditions of measurement
3. This Certificate refers only to the particular item calibrated.
4. This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)

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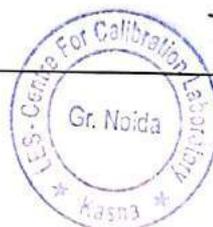
Authorized By

Devendra Singh

Shivshanker Singh

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





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E-mail : lescccl307@gmail.com, lescccllab@gmail.com, Cell No. 9821735177, 9821735178, 9355384939

Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002064F	Calib. Field - Electro-Technical	Page 1 of 1
Certificate No.	LES-CCL/ET/TT/429		
Calibration Date	10-06-2019	Suggested Date of Next Calibration	09-06-2020
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)		
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019 Date of Issue:- 11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	Sl. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	724 - DTC - 2011

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration	
Make/Trade Mark	CE - Germany	Temperature (°C)	25 ± 3
Model	-	Relative Humidity (%)	45 - 75
Sl.No.	T- 724	B. Pressure (mmHg)	736.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	Sl.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	BELZ, Faridabad
Calibration Certificate No.		Calibration Date	Valid Up to
20000422		01.11.2018	31.10.2019

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k = 2) (%)
1	0.25 (15.00 Min) (Final Readings of TTR at the end of Calibration : 1145.75hrs.)	15.0094	-0.06	± 2.309 %

Uncertainty Contributing Factor :-

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

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

Notes :-

1. Reference used are directly traceable to national standard through unbroken chain of calibration.
2. Results reported are valid at the time of and under the stated conditions of measurement
3. This Certificate refers only to the particular item calibrated.
4. This certificate shall not be reproduced, except in full without the written permission of LES-CCL, Kasna, Greater Noida (U.P.)

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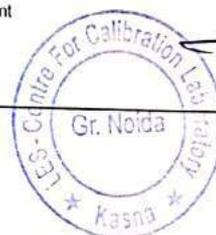
Authorized By

Devendra Singh

Shivshanker Singh

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





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Website : www.lescccllab.com

CALIBRATION CERTIFICATE

ULR No.	CC225319000002063F	Calib. Field - Fluid Flow	Page 1 of 2		
Certificate No.	LES-CCL/FF/PM/SC/237				
Calibration Date	08-06-2019	Suggested Date of Next Calibration	07-06-2020		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111 (Madhya Pradesh)				
Reference :- S.R.F. No. -	2019/642	Date :-	07-06-2019	Date of Issue:-	11-06-2019

01. DUC Fitted in instrument

Name	Make	Model	SI. No.
Fine Particulate Sampler	Envirotech Instrument	APM - 550	724 - DTC - 2011

02. Details of DUC

Name	Make/Trade Mark	SI.No.	Cal. Range	Environmental Conditions During Calibration	
Dry Gas Meter	Itron	110121348	16.67 lpm ($\pm 5\%$)	Temperature ($^{\circ}\text{C}$)	25 \pm 10
				Relative Humidity (%)	45-75
				Barometric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No.	Traceability
1	GAS FLOW CALIBRATOR	0.5 -50 lpm	416	Spectro Analytical Labs Ltd., Gr. Noida
	STOP WATCH	0 - 59 min.	LES-CCL/R/14510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date	Valid Up to	
1	N181011025-1	12.10.2018	12.10.2019	
2	LES-CCL/ET/SW/76	29-08-2018	28-08-2019	

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

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

2. The Flowrate has been Referenced to standard Temperature (20 $^{\circ}\text{C}$) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- Reference used are directly traceable to national standard through unbroken chain of calibration.
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Checked By

Authorized By

Devedra Singh

Shivshanker Singh

DEVENDRA SINGH
(Technical Manager)

SHIVSHANKER SINGH
(Chief Executive Officer)





ENVIRONMENTAL TEST & CALIBRATION LABORATORY

(An ISO : 9001/2000 Certified Company)

(A Centre for Environmental Monitoring, Data Generation, Service & Calibration of Air Pollution Monitoring System, old Monitoring Instruments Hire & Purchase, Services, Supplier of Environmental Monitoring Instruments , Consumables Accessories & Digital On-Line Scientific Goods)

K-307, UPSIDC Industrial Area, Site - V, Kasna, Greater Noida, Distt. - Gautam Budh Nagar- 201310, U.P.
Call No.: 09999139742, 08826112276 E-mail : etcl.singh@gmail.com / shivshanker300@gmail.com

Page 1 of 2

Job No. - 012/2019

Calibration Certificate No.- ETCL/B/041

Date of Calibration – 08/06/2019

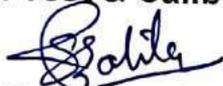
CALIBRATION CERTIFICATE

Party Name : M/s Prism Johson Ltd .
P O Bathia Tehsil – Rampur Baghelan , Village- Mankahari ,
Distt. Satna -- 485111 (MP) ,

Instrument Details

1. Instrument : Digital Weighing Balance
2. Model : ML-204
3. Make : Metler Toledo
4. Serial No. : B319299006
5. Temperature : 28°C
6. Maters Calibration Certificate No. - NCL/B/2019/11/04 , Date - 18/02/2019
7. Suggested date of recalibration is 07/06/2020 or after a major repair or overhaul

For Environmental Test & Calibration Laboratory


(Shivshanker Singh)
Chief Executive

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FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN1/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh**
 Date of Monitoring : **16.09.2019 to 17.09.2019**
 Instrument Description : **Noise Meter (Make:HTC)**
 Test Method : **IS: 4412, Part-1 & 2, 1991**

Sl. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Near PCL Colony	52.3	46.5
2.	Near Guest House	56.7	48.3
3.	Near Crusher Unit-II	69.5	61.8
4.	Near Admin. Building	64.8	60.1

Noise (Ambient Standard)

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

Note:

- Day time is reckoned in between 6:00 AM and 10:00 PM.
- Night time is reckoned in between 10:00 PM and 6:00 AM
- 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.

Analyst 

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 Sector-H, Aliganj, Lucknow-226024
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FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN2/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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 & Mr. Anis Singh
Date of Monitoring : 18.09.2019 to 19.09.2019
Instrument Description : Noise Meter (Make-HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

Sl. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	At Mines site Office	69.5	59.7
2.	Near Western Block Garden	63.3	56.2
3.	Village Hinauti	51.8	40.6
4.	Village Sijahata	53.5	43.6

Noise (Ambient Standard)

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

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

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FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN3/09/19

TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : **M/s Prism Johnson Ltd.**
Address of the Company : **Medhi Limestone mines
Village Mankahari
Tehsil Rampur Baghelan
District- Satna(M.P.)**
Sample Collected by : **Mr. Maan Singh & Mr. Anis Singh**
Date of Monitoring ; **20.09.2019 to 21.09.2019**
Instrument Description : **Noise Meter (Make-HTC)**
Test Method : **IS: 4412, Part-I & 2, 1991**

Sl. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Near Nar Nala Bridge	53.5	41.8
2.	Near Medhi Mines Boundary Pillar No28	62.6	49.6
3.	Near Medhi Mines Boundary Pillar No23	63.5	54.3
4.	Village Malgaon	51.5	46.8

Noise (Ambient Standard)

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

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

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FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN4/09/19

TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : **M/s Prism Johnson Ltd.**
Address of the Company : **Bagahai Limestone Mines**
Village Mankahari
Tehsil Rampur Baghelan
District- Satna(M.P.)
Sample Collected by : **Mr. Maan Singh & Mr. Anis Singh**
Date of Monitoring : **22.09.2019 to 23.09.2019**
Instrument Description : **Noise Meter (Make:HTC)**
Test Method : **IS: 4412, Part-1 & 2, 1991**

Sl. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	At AdiwasiTola	56.5	44.8
2.	At BaisanTola	50.8	38.5
3.	South Site of Working Pit	63.6	58.7
4.	Near Boundary Pillar No.64	65.5	54.6

Noise (Ambient Standard)

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

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

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FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN5/09/19

TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF AMBIENT NOISE LEVEL

Name of the Company : **M/s Prism Johnson Ltd.**
Address of the Company : Bagahai Limestone mines
Village Mankahari
Tehsil Rampur Baghelan
District- Satna(M.P.)
Sample Collected by : Mr. Maan Singh & Mr. Anis Singh
Date of Monitoring : 24.09.2019 to 25.09.2019
Instrument Description : Noise Meter (Make:HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

Sl. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Village Badarkha	53.5	47.5
2.	Village Hinauta	48.8	43.8
3.	Village Chulhi	51.3	46.7
4.	Village Kulhari	45.5	40.8

Noise (Ambient Standard)

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

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

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FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN6/09/19

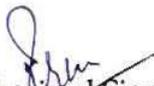
TEST REPORT ISSUE DATE: 28.09.2019

TEST REPORT OF WORK PLACE 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 & Mr. Anis Singh
Date of Monitoring : 26.09.2019 to 27.09.2019
Instrument Description : Noise Meter (Make:HTC)
Test Method : IS: 4412, Part-1 & 2, 1991

Sl. No.	Locations	Noise Level dB(A)
1.	Kiln Unit-II	81.7
2.	Cement Mill Unit -II	78.3
3.	Near Railway Yard,	74.6
4.	Near Packing Plant	80.5


Analyst


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Quality Manager

ECOMEN LABORATORIES PVT. LTD.**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 : 09AAACE6076H1Z1

FORMAT NO. ECO/QS/FORMAT/13

TEST REPORT NO: ECO LAB/AN1/09/19

TEST REPORT ISSUE DATE: 28.09.2019

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.)
 Sample Collected by : Mr. Maan Singh & Mr. Anis Singh
 Date of Monitoring : 16.09.2019 to 17.09.2019
 Instrument Description : Noise Meter (Maske:HTC)

Sl. No.	Locations	Leq Value in dB(A)	Protective Measures Adopted
Dozer-155 A			
1	Operator's cabin idle running	63.5	Ear muff provided
2	Operator's Cabin running on load	81.7	Ear muff provided
Poelain 300 CK			
3	Operator's cabin idle running	76.6	Ear muff provided
4	Operator's Cabin while loading	78.8	Ear muff provided
HAULPAK-PH 40			
5	Operator's Cabin while being loaded	74.5	Ear muff provided
6	Operator's Cabin while hauling	71.6	Ear muff provided
7	Operator's Cabin unloading in the hopper of crusher	95.7 (For 20 Second)	Ear muff provided
8	Alarm (while Reversing of dumper)	106.0	Short Duration
ATLASCOPCRILL			
9	Operator's point while drilling	83.5	Ear muff provided
ROCKBREAKER			
10	Operator's Cabin	74.8	Ear muff provided
HEAVY BLASTING (INSTANTANEOUS)			
11	Blasting shelter	109.4	Momentary
12	At safe zone	82.5	
AMBIENT NOISE LEVEL DURING WORKING HOURS			
13	Office Campus, Mines workshop, Outfield (Haul Road)	76.5	-
14	Office Campus, Mines Workshop, Outfield (Haul Road) (at Night)	58.3	-

Analyst

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

Quality Manager

Water consumption

Month	Unit II	
	Ground Water	Mines Pit
UOM	KL	KL
Apr	0	34432
May	3641	33006
June	3337	39255
July	848	16613
Aug	343	35323
Sept	748	31193

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

FORMAT NO. ECO/QS/FORMAT/07 TEST REPORT NO:ECO LAB/WW1/1040/10/19
TEST REPORT ISSUE DATE: 14.10.2019**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.Maam Singh
Sample Quantity : As per requirement.
Date of Sampling : 04.10.2019
Date of Receiving : 05.10.2019
Date of Analysis : 05.10.2019 to 12.10.2019
Source of Sample : STP Inlet
Sample ID Code : ELW-10269

Sl. No.	TESTS	PROTOCOL	RESULT	Range of Testing / Limits of Detection
1	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.09	2-12
2	Total Suspended Solids(mg/l)	APHA, 23 rd Ed. 2017, 2540-D	141.5	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, 23 rd Ed. 2017, 5210 A+B	52.0	5-10000
5	Chemical Oxygen Demand as COD (mg/l)	APHA, 23 rd Ed. 2017, 5220 A+C	164.0	5-50000

*The result are related only to item tested.

BDL = Below Detection Limit

Hasan
Analyst

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

Reena
Quality Manager

ECOMEN LABORATORIES PVT. LTD.

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 : 09AAACE6076H1Z1

FORMAT NO. ECO/QS/FORMAT/07 TEST REPORT NO:ECO LAB/WW2/1040/10/19
TEST REPORT ISSUE DATE: 14.10.2019

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.Maam Singh
Sample Quantity : As per requirement.
Date of Sampling : 04.10.2019
Date of Receiving : 05.10.2019
Date of Analysis : 05.10.2019 to 12.10.2019
Source of Sample : STP Outlet
Sample ID Code : ELW-10270

Sl. No.	TESTS	PROTOCOL	RESULT	Range of Testing / Limits of Detection	G.S.R 1265(E)
1	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.22	2-12	6.5-9.0
2	Total Suspended Solids(mg/l)	APHA, 23 rd Ed. 2017, 2540-D	16.5	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	6.0	5-10000	30.0
5	Chemical Oxygen Demand as COD (mg/l)	APHA, 23 rd Ed. 2017, 5220 A+C	34.0	5-50000	-
6.	Fecal Coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017, A + E	160.0	1.8	<1000

*The result are related only to item tested.

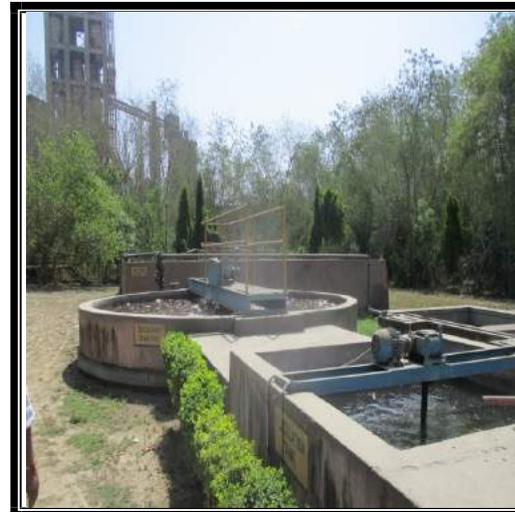
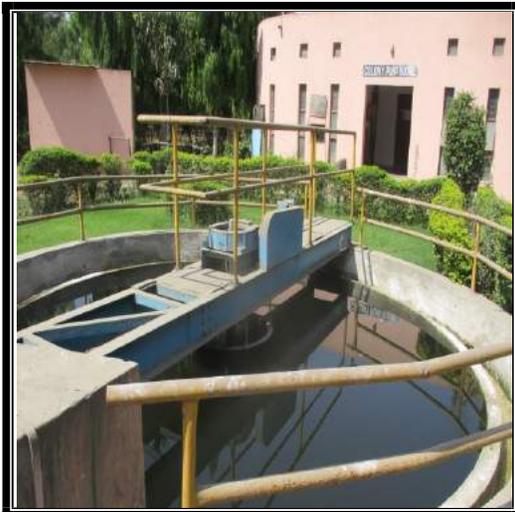
BDL = Below Detection Limit

Ravi Bhargava
Analyst

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

Ravi Bhargava
Quality Manager

Sewage Treatment Plant
Capacity : 600 KLD



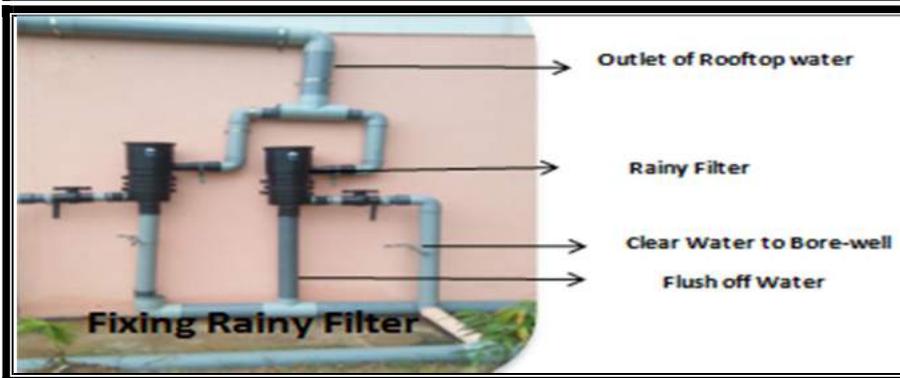
Green Belt development



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:*



Annexure-7

S. No.	Land Use Type	Area (m ²)	Rainfall (m)	Runoff Coefficient (As per CGWB Guidelines)	Quantity of Runoff Generated (Available for Harvesting / Artificial Recharge in m ³ /year)
1	Roof - Project office	386	1.603	0.85	525.94
2	Roof - School	1150	1.603	0.85	1566.93
3	Roof of MRSS	1900	1.603	0.85	2588.85
4	Roof of Cement Mill Load Center U2	1100	1.603	0.85	1498.81
5	Roof General Store	2000	1.603	0.85	2725.1
6	Roof General Store	2000	1.603	0.85	2725.1
7	Cooler Load Centre U2	1100	1.603	0.85	1498.81
8	Runoff Water Harvesting Structure Near Guest House	1000	1.603	0.85	1362.55
9	Groundwater Recharge with Abandoned Bore well - 1	30000	1.603	0.3	14427
10	Groundwater Recharge with Abandoned Bore well - 2	10000	1.603	0.3	4809
11	Groundwater Recharge with Abandoned Bore well - 3	10000	1.603	0.3	4809
12	Groundwater Recharge Pit Connected with Storm Drain - A type Colony	2500	1.603	0.85	3406.38
		9746	1.603	0.85	13279.41
13	Groundwater Recharge Pit Connected with Storm Drain - Near Nursery	17307	1.603	0.3	8322.94
		22828	1.603	0.85	31104.29
14	Ground water recharge with abandoned bore well near steel yard	47748	1.603	0.3	22962.01
	Total				169389.01

रजिस्टर्ड / साधारण / हाथोंहाथ

भारत सरकार
खानमंत्रालय
भारतीय खानब्यूरो
क्षेत्रीय खाननियंत्रक कार्यालय



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

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

जबलपुर, दिनांक : 06/04/2015

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

विषय:- म0प्र0 राज्य के सतना जिले में स्थित आपकी हिनाूती एवं सिजेहटा (Hinauti&Sijhatta) लाइमस्टोन खान (क्षेत्र 772.067 हे0)के एमसीडीआर-1988 के नियम 12 के अंतर्गत जमा किए गए माइनिंग स्कीम का अनुमोदन।

- संदर्भ :- 1) आपके/आरक्षूपीके द्वारा जमा किया गया प्रक्रिया शुल्क के रसीद संख्या 42112 दि0 01/12/2014,आपके/आरक्षूपी के पत्र क्रमांक MINE/2015-15062 दि0 18/02/2015 एवं MINE/2015-15091 दि0 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 एतद् द्वारा म0प्र0 राज्य के सतना जिले में स्थित आपकी हिनाूती एवं सिजेहटा (Hinauti&Sijhatta) लाइमस्टोन खान (क्षेत्र 772.067 हे0)की माइनिंग स्कीम का अनुमोदन प्रदान करता हूँ। यह अनुमोदन निम्नलिखित शर्तों के अधीन है:-

- 1 The Scheme of mining is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs 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
- 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 माइनिंग स्कीम की एक प्रति के साथ।

भवदीय

(एस0 आर0 रॉय)
क्षेत्रीय खाननियंत्रक
भारतीय खानब्यूरो

प्रतिलिपि :-

1. मान्यता प्राप्त व्यक्ति श्री रवि शंकर शुक्ला, आर०क्यू०पी० एवं उप प्रबंधक जियोलाजी में० प्रिज्म सीमेंट लि० राजदीप रीवा रोड सतना , जिला सतना (म०प्र०) 485001 को सूचनार्थ प्रेषित ।
2. मान्यता प्राप्त व्यक्ति श्री पियूष गुप्ता , आर०क्यू०पी० एवं उप प्रबंधक खान में० प्रिज्म सीमेंट लि० राजदीप रीवा रोड सतना , जिला सतना (म०प्र०) 485001 को सूचनार्थ प्रेषित ।
3. संचालक, संचालनालय भौमिकी तथा खनिकर्म, 'खनिजभवन' 29-ए, अरेरा हिल्स, भोपाल (म०प्र०) को अनुमोदित माइनिंग स्कीम की एक प्रति के साथ रजिस्टर्ड डाक द्वारा प्रेषित ।

4
(एस० आर० रॉय)
क्षेत्रीय खाननियंत्रक
भारतीय खानब्यूरो

भारतसरकार
खानमंत्रालय
भारतीय खानभूरो
क्षेत्रीय खाननियंत्रक कार्यालय



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

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

Jabalpur,dt. : 4/11/2016

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

विषय- म0प्र0 राज्य के सतना जिले में स्थित आपकी मेंढी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594हे0) के एमसीडीआर-1988 के नियम 12 के अंतर्गत जमा किए गए माइनिंग स्कीम का अनुमोदन।

- संदर्भ- 1) आपके द्वारा जमा किया गया प्रक्रिया शुल्क के रसीद संख्या J/170 दि0- 30/05/2016, आपका पत्र क्रमांक कुछ नहीं दि0 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 117.594हे0) की माइनिंग स्कीम का अनुमोदन प्रदान करता हूँ। यह अनुमोदन निम्नलिखित शर्तों के अधीन है:-

- 1 The Scheme of mining is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and/or given in the document is based on the lease map/sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs 16,25,000 (Rs. Sixteen Lakh Twenty Five Thousand only) valid up to 31/03/2021 and next Financial Assurance shall be submitted on or before 31/03/2021.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2016-17 to 2020-21 validity up to 31/03/2021 from the date of approval, subject to all other statutory clearances.
- 8 The next scheme of mining will be due for submission on 01/12/2020.
- 9 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.
- 10 If the approval conflict with any other law or court order/direction under any statute, it shall be revoked immediately.

संलग्न-अनुमोदित माइनिंग स्कीम की एक प्रति के साथ।

भवदीय,
4.11.2016
(जलनील मल्लिक)

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



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

सं. MP/Satna/Limestone /M.Sch.-35/2015-16 [77]

जबलपुर, दिनांक : 29/02/2016

सेवा 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 512.317हे0) 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 द्वारा 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.
- 3 It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for **Rs 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।

भवदीय

(एस0 आर0 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 बाढिया, 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 ।
3. संचालक, संचालनालय भौमिकी तथा खनिकर्म, 'खनिजभवन' 29-ए, अरेरा हिल्स, भोपाल (म०प्र०) को अनुमोदित माइनिंग स्कीम की एक प्रति के साथ रजिस्टर्ड डाक द्वारा प्रेषित ।

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

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

भारत सरकार
खान मंत्रालय
भारतीय खान ब्यूरो
देशीय 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

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

विषय:- मध्य प्रदेश राज्य के सतना जिले में स्थित आपकी प्रिज्म सीमेंट लाइमस्टोन खान (क्षेत्र 99.416 हे०) के एमसीआर- 2016 के नियम 17 (1) के अंतर्गत जमा किए गए खनन 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.
- 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. 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.
- 9 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.
- 12 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 खनन योजना की एक प्रति के साथ।

भवदीय,

27/04/2017

रजिस्टर्ड पार्सल द्वारा



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-63/2017-18 3365 जबलपुर, दिनांक : 16/10/2017
सेवा में,

मे0 प्रिज्म सीमेंट लिमिटेड,
राजदीप, रीवा रोड, सतना
जिला- सतना (म0प्र0) 485001

विषय:- म0प्र0 राज्य के सतना जिले में स्थित आपकी बगहाई लाइमस्टोन खान (क्षेत्र 512.317 हे0) 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, दि0 15/09/2017, आपका/क्यू0पी0 का पत्र, दि0 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:

- 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 Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs. 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 financial assurance as per rule 27 of MCDR, 2017**) 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 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.
- 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 This approval is restricted to Major Mineral only and any reflection of minor mineral in the document is under purview of State Government.
- 11 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।

भवदीय

16th Oct, 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

फा0 सं0 - MP/Satna/ Limestone /MPLN /MOD-30/2018-19

जबलपुर, दिनांक : 14/12/2018

प्रति,
मे0 प्रिज्म जॉनसन लिमिटेड,
राजदीप, सीवा रोड, सतना
जिला- सतना (म0प्र0) 485001

विषय:- म0प्र0 राज्य के सतना जिले में स्थित आपकी बगहाई (BAGAHAI) लाइमस्टोन खान (क्षेत्र 512.317 हे0) के एमसीआर-2016 के नियम 17(3) के अंतर्गत जमा किए गए अनुमोदित माइनिंग प्लान के लिए प्रस्तुत संशोधन का अनुमोदन।

संदर्भ :-1) आपका/क्यूपी0 का पत्र क्रमांक- PJI/MINE/BG/2018/538, दि0 14/10/2018, प्रक्रिया शुल्क की रसीद संख्या J/838, दि0 30/10/2018।
2) इस कार्यालय का समसंख्यक पत्र दि0- 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, 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:

- 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.
- 6 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।

भवदीय

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 to 1810E and -1130N to -1155N	6.0
D2	1670E to 1720E and -1240N to -1120N	6.7

Table no. 3. ML area 512.317 Ha. (Baghai)

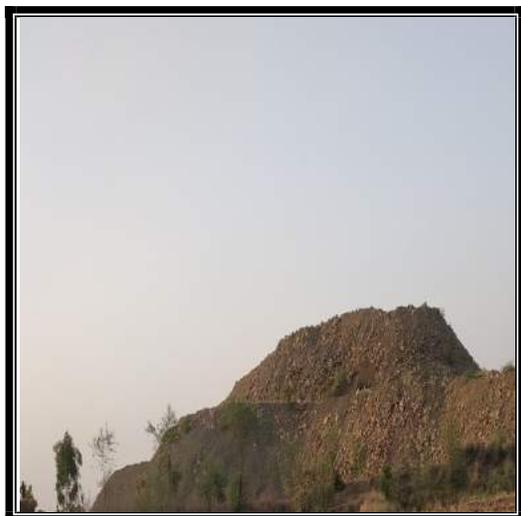
Present Dumps status

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

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

Present Dumps status:-Nil

photographs of Dumps:



**PLAN FOR PROTECTION OF THE NATURAL WATER COURSE PASSING NEARBY
PRISM CEMENT LIMITED LEASE AREAS**

1. INTROCUCTION:

The Limestone Mine of M/s. Prism Johnson Ltd. is near villages Hinauti & Sijhatta in district of Satna, Madhya Pradesh. The area is in Vindhyan Limestone/shale formations, where Limestone is bearing mined from mining lease areas of 772.067 Ha. 117.594 Ha. 512.317 Ha. 99.416 Ha., amongst other mining leases. As per the conditions of the Environment Clearance, a plan was protection of natural water courses passing nearby Prism Cement Ltd. Leases was to be prepared and submitted.

The natural water courses under the present plan comprise Tamas River, Nar Nala and Magardha Nala.

2. LAND USE IN THE BUFFER AREA OF THE LEASES:

Buffer zone:

The land use of buffer zone is given in **Table 1** based on satellite imaginary and census data.

TABLE NO.1
Land Use / Land Cover Details of Buffer Zone Area

LAND USE	AREA (in Hectares)	AREA (in %)
River/Canal	634.71	1.32
Ponds/Reservoir	561.73	1.17
Stonsy area	144.16	0.30
Open land	441.36	0.92
Open scrub land	3737.14	7.76
Forest Land	1685.11	3.50
Plantation	2445.89	5.08
Fallow land	29729.69	61.77
Crop land	7542.87	15.67
Human Settlement	706.28	1.47
Industrial Area	75.80	0.16
Mine Quarry	425.75	0.88
Total	48310.49	100

(Source – EIA/EMP)

3. DRAINAGE:

The Tamas (Tons) River mainly controls the drainage pattern. The non seasonal nalla viz. Magardaha and Nar nala flowing on west and east of the lease area respectively flow towards north and ultimately join the Tamas River. The area is almost flat with gentle slope towards East and Northeast. A substantial part of rainfall in the area drains away as surface run-off, along streamlets towards the Northeast to the Tamas River. The drainage map of Tamas (Tons) sub basin of Ganga basin is depicted in **Figure 2**. The drainage pattern of buffer zone (part of Tamas sub basin) is also given in **Figure 3**.

FIGURE 2

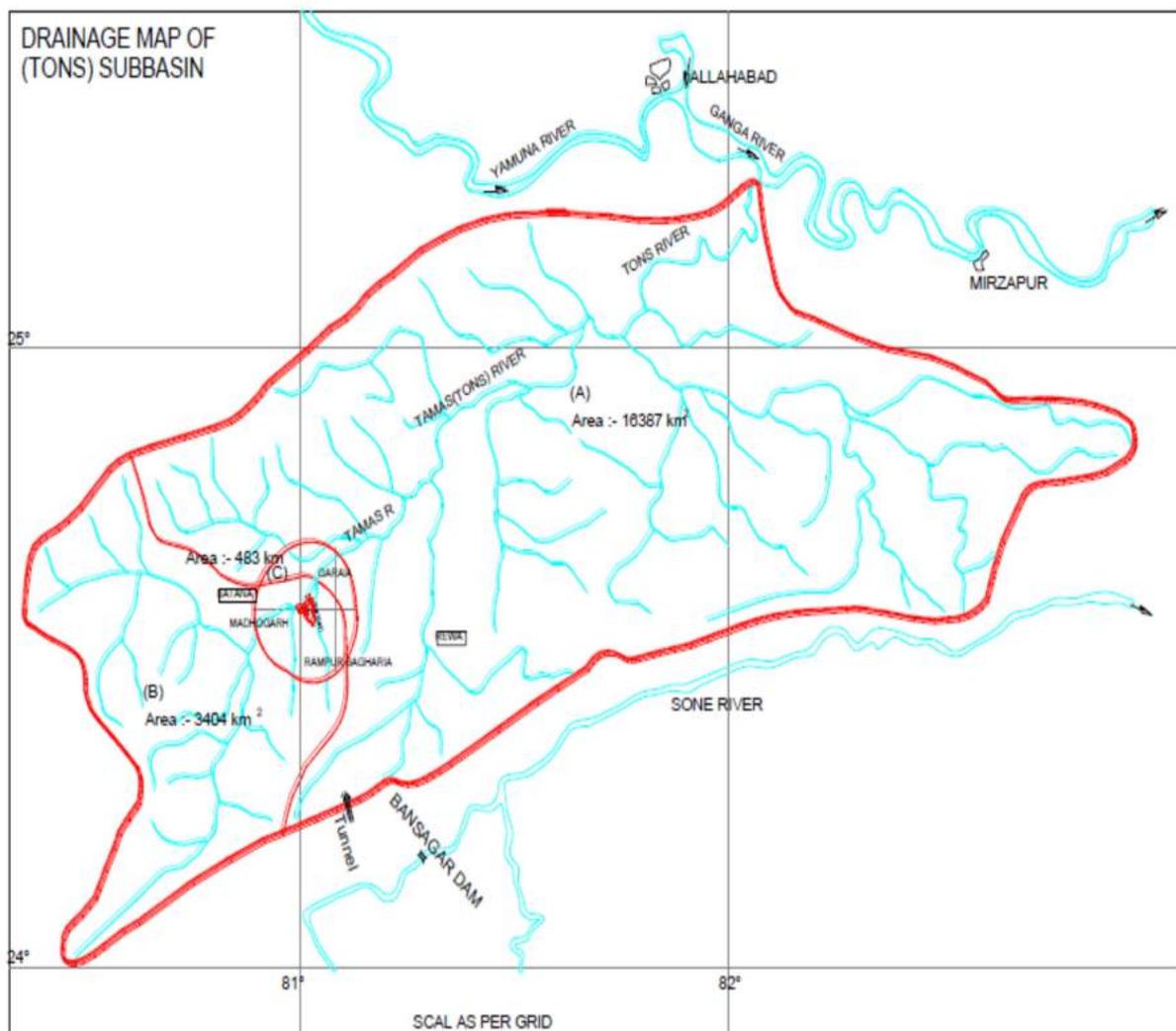


FIGURE-3

DRAINAGE MAP OF BUFFER ZONE

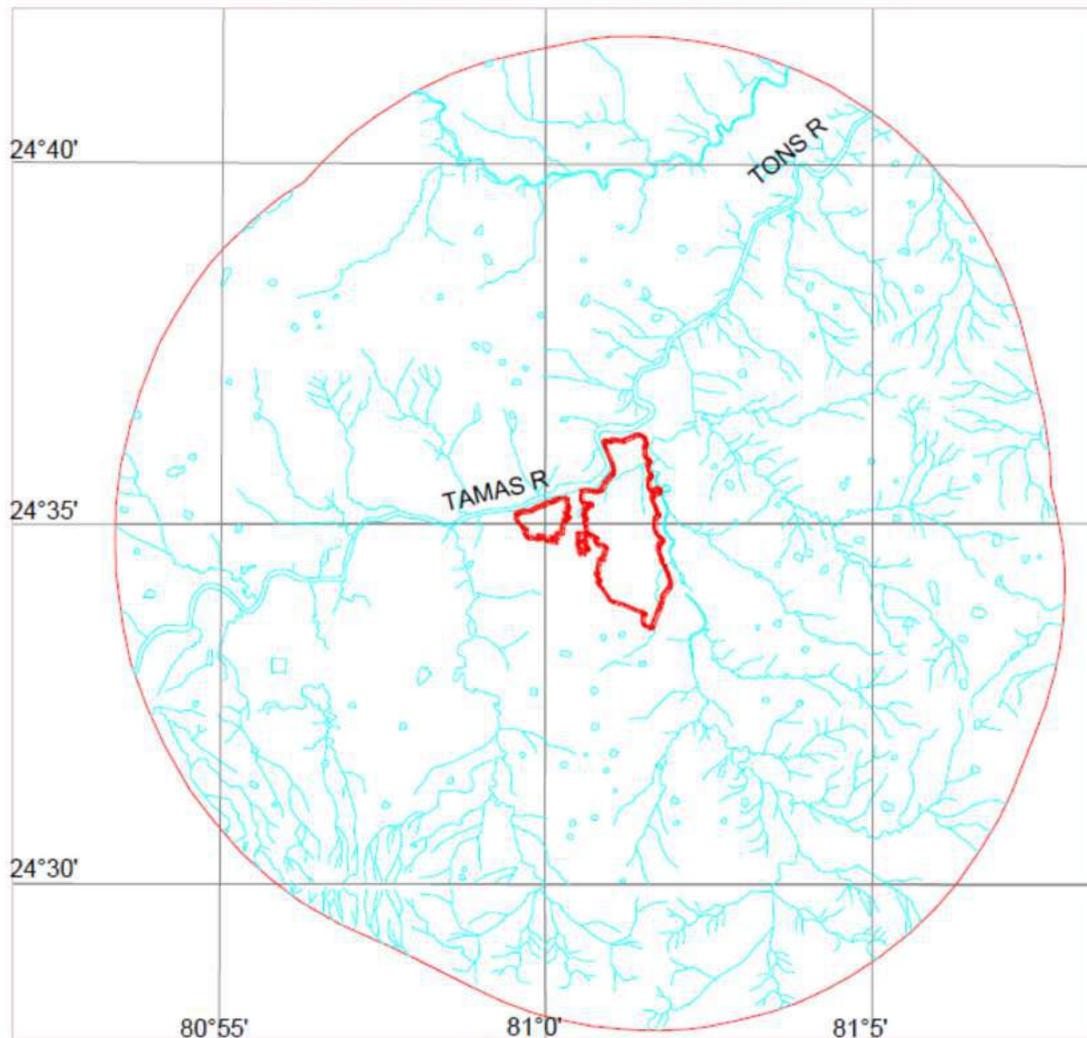


Figure 1.3

4. HYDROMETEROLOGY:

Madhya Pradesh state is situated within 180 N to 250 N and 740 E to 820 E experiences tropical climate. Frontispieces gives the orographic feature of the state. Geographical location and orographic features have profound influence on the climate of area. As per IMD the year may be divided into four seasons. The winter season from January to February is followed by the summer season from March to May. The period from June to September constitutes the southwest monsoon season and the period from October to December form the post monsoon season.

4.1 **Rainfall** : Rainfall data of Mine site and Satna IMD station are collected for the project of 2008 to 2014 and given in (**Table NO. -2**).

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

Month/ Year	2008	2009		2010		2011		2012		2013		2014
	Mine Site	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site
Jan	2.0	35.3	12.9	8.8	1.7	0.0	0.0	36.0	32.3	0.0	0.0	38.9
Feb	35.1	0.0	0.0	13.3	5.5	1.0	0.9	0.0	0.0	67.9	45.9	104.3
Mar	1.3	3.6	1.4	0.0	0.0	3.2	0.2	3.6	3.9	34.6	11.5	29.3
Apr	12.0	0.7	3.8	0.0	0.1	0.0	1.1	0.0	0.2	1.8	4.2	8.7
May	12.5	10.5	14.5	18.6	1.6	36.2	7.3	0.0	0.0	0.0	0.0	1.3
Jun	215.6	12.5	25.8	16.9	16.4	313.9	328.6	17.9	15.6	270.4	384.2	90.2
Jul	216.8	173.2	207.6	283.3	228.1	140.2	252.1	380.7	279.7	576.5	338.6	305.2
Aug	220.2	214.9	192.5	198.3	209.7	206.7	289.8	435.0	455.1	414.5	451.6	127.2
Sep	71.5	109.7	152.0	213.5	176.4	205.3	143.9	132.1	169.3	134.9	71.5	193.9
Oct	0.0	72.9	220.4	29.6	13.7	0.0	3.1	15.1	2.5	131.4	143.7	200.7
Nov	20.1	80.9	58.9	11.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9
Total	807.1	716.7	892.7	794.0	662.9	906.5	1027.0	1020.3	958.6	1631.9	1451.2	1121.7

(Source - Mine & Satana Dist.)

5. GEOLOGY:

The relevant portion of Geological report of the area have been adapted for present study. Part of compilation done from other references.

5.1 Regional Geology

Geologically, this area forms part of the Rewa Plateau belonging to the Upper Vindhyan Supergroup of rock formations in Indian stratigraphy. The Vindhyan formations are broadly classified into lower calcareous and an upper arenaceous facies.

The limestone deposit in the area of investigation belongs to the Bhandar series. The general trend of Bhandar Limestone is East - Northeast to West - Southwest having low southerly dips of less than 5°. The litho stratigraphy of Vindhyan formation is given in **Table NO.3**

TABLE NO.3

Litho stratigraphy of Satna District

Supergroup	Group	Formation
Vindhyan Supergroup	Bhander Group	Maihar Sandstone Sirbu Shale Bhander Limestone
	Rewa Group	Sandstone and shale
	Kaimur Group	Sandstone and shale
	UNCONFORMITY	
	Semri Group	Rohtas Formation Khemjua Formation Porcellance Formation Basal Formation
UNCONFORMITY Bundekhand granites/Bijawar phyllites		

5.2 Local Geology:

The detailed geological prospecting was carried out by GEM Division of ACC to identify the geological structure in the area and association of different rock types. The lithological succession of various formations encountered in the area of investigations based on the sub-surface data generated is as follows:

Overburden Soil
Buff to pale grey magnesian limestone
Upper shaly limestone
Grey limestone
Lower shaly limestone
Grey to grayish grey shale

6.0 SUGGESTED STRUCTURES FOR PROTECTION AND DEVELOPMENT OF NATURAL WATER COURSES:

6.1 RAINWATER HARVESTING

6.1.1 General: Rain water harvesting can be defined as activity of direct collection of Rain

water and storage of rainwater as well as other activity aimed at harvesting and conserving surface and ground water preventing loss through evaporation and seepage and other hydrological studies and engineering inventions aiming at most efficient utilization of rainwater towards best use for the humanity.

The detail project report for rainwater harvesting is given below incorporating; source, area, design of individual structure within mine lease area and outside.

6.1.2 Source of Water:

The source of water available for rainwater harvesting is only surface water. The resource estimation for lease area has been done considering total lease area of 10.25 km² (7.72 km² + 2.53 km²). Monsoon normal rainfall 0.973 m and surface runoff coefficient of 0.40. The estimated surface water resource will be 3.99 MCM out of this 0.58 MCM will be used in plant & mine. The mine water discharge will be zero. It is expected that remaining estimated resource 3.41 MCM will be available for recharge to the system and future use. CGWA while granting ground water had laid condition for implementation of ground water recharge measure to the tune of 1.206 MCM/ year for augmenting the ground water resource of the area.- Source of data, Hydrological Studies Report.

6.1.3 Identification of area:

The areas identified within lease area are given in **Table No.4**

Table no. 4: Identification of area

Sr. No.	Identification of area	Unit
1	Surface water reservoir in the Mined out area as recharge pond.	3 Nos
2	Check dam on Nar nadi.	8 Nos
3	Office and residential building area for Rooftop rainwater harvesting	10 Nos
4	Lease area (side of retention wall) of dump for recharge pit with shaft structure	4 Nos
5	Recharge trench in colony area.	500 m
6	In the colony area away from mine for Gravity head recharge tubewell.	10 Nos

These structures in respective areas will augment the ground water table and shall reduce load on the natural water courses for rural utility of irrigation amongst others.

In addition to the measures taken above, the area in proximity to Tamas River, Magardha Nala and Nar Nala will be provided with bunds above and beyond HFL. Safety barrier of 50 meters will be left 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.

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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 : 09AAACE6076H1Z1

FORMAT NO. ECO/QS/FORMAT/23 REPORT NO: ECO LAB/Piezo/GW/10/19
REPORT ISSUE DATE: 14.10.2019

REPORT OF WATER LEVEL MEASUREMENT

Name of the Customer : M/s. Prism Johnson Ltd.
Address of the Customer : Village - Mankahari,
Tehsil - Rampur Baghelan
Distt.Satna (M.P.)
Measurement by : Mr. Maan Singh
Date of Measurement : October 4th, 2019

Sl. No.	Piezometer Name.	Water Level (meter)
1.	Behind C block	1.90
2.	Infront Den	2.46
3.	Behind B block	7.21
4.	Near colony gate	9.84
5.	Near Crusher	8.90

Ravi Bhargava
Analyst

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

Ravi Bhargava
Quality Manager

ECOMEN LABORATORIES PVT. LTD.

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E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1Z1

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO:ECO LAB/DW1/1040/10/19

TEST REPORT ISSUE DATE: 14.10.2019

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/ IS: 3025

Sample Collected by : Mr.Maam Singh

Sample Quantity : As per requirement.

Date of Sampling : 04.10.2019

Date of Receiving : 05.10.2019

Date of Analysis : 05.10.2019 to 12.10.2019

Source of Sample : Plant Site - Bore Well

Sample ID Code : ELW-10248

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 Ed. 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23 rd Ed. 2017, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Taste	APHA, 23 rd Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NTU)	APHA, 23 rd Ed. 2017, 2130-A+B	BDL	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.12	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 rd Ed. 2017, 2540-C	526.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 rd Ed. 2017, 2320 A+B	132.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 2340 A+C	208.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23 rd Ed. 2017, 3500 Ca A+B	59.2	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23 rd Ed. 2017, 3500 Mg A+B	14.58	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 rd Ed. 2017, 4500 Cl A+B	40.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 rd Ed. 2017, 4500-C	0.29	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ²⁻ E	126.0	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 4500-NO ₃ ⁻ B	9.53	5.0 - 100	45.0	No Relax.
15.	Manganese as Mn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.1-5	0.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	0.12	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmium as Cd (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19.	Nickel as Ni (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, 23 rd Ed. 2017, 3114 C	BDL	0.01-2	0.01	0.05
21.	Total Chromium as Cr (mg/l)	APHA, 23 rd Ed. 2017, 3111 - A - B	BDL	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23 rd 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	BDL	0.05-5	0.05	1.5
24.	Boron as B (mg/l)	APHA, 23 rd Ed. 2017, 4500 B A+C	0.26	0.2 - 10	0.5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23 rd Ed. 2017 (3111-A+B)	BDL	1.0-100	0.03	0.2
26.	Free Residual Chlorine (mg/l)	APHA, 23 rd Ed. 2017, 4500-Cl B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H ₂ S (mg/l)	APHA, 23 rd Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28.	Iodide as I (mg/l)	APHA, 23 rd Ed. 2017, 4500 - IB	BDL	0.1-10	-	-
29.	Iron as Fe (mg/l)	APHA, 23 rd 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.coli (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
Analyst

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Sector-H, Aliganj, Lucknow-226024
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Reeng
Quality Manager

Date/Time Vert at 12:22:03 April 1, 2019
 Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
 Range Geo : 254.0 mm/s
 Record Time 1.75 sec at 1024 sps
 Operator/Setup: Operator/SSB.MMB

Serial Number UM8131 V 10-76 Micromate ISEE
 Battery Level 3.8 Volts
 Unit Calibration February 26, 2018 by UES New Delhi
 File Name UM8131_20190401122203.IDFW
 Scaled Distance 16.9 (100.0 m, 35.0 kg)
 Post Event Notes

Notes

Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

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

Extended Notes

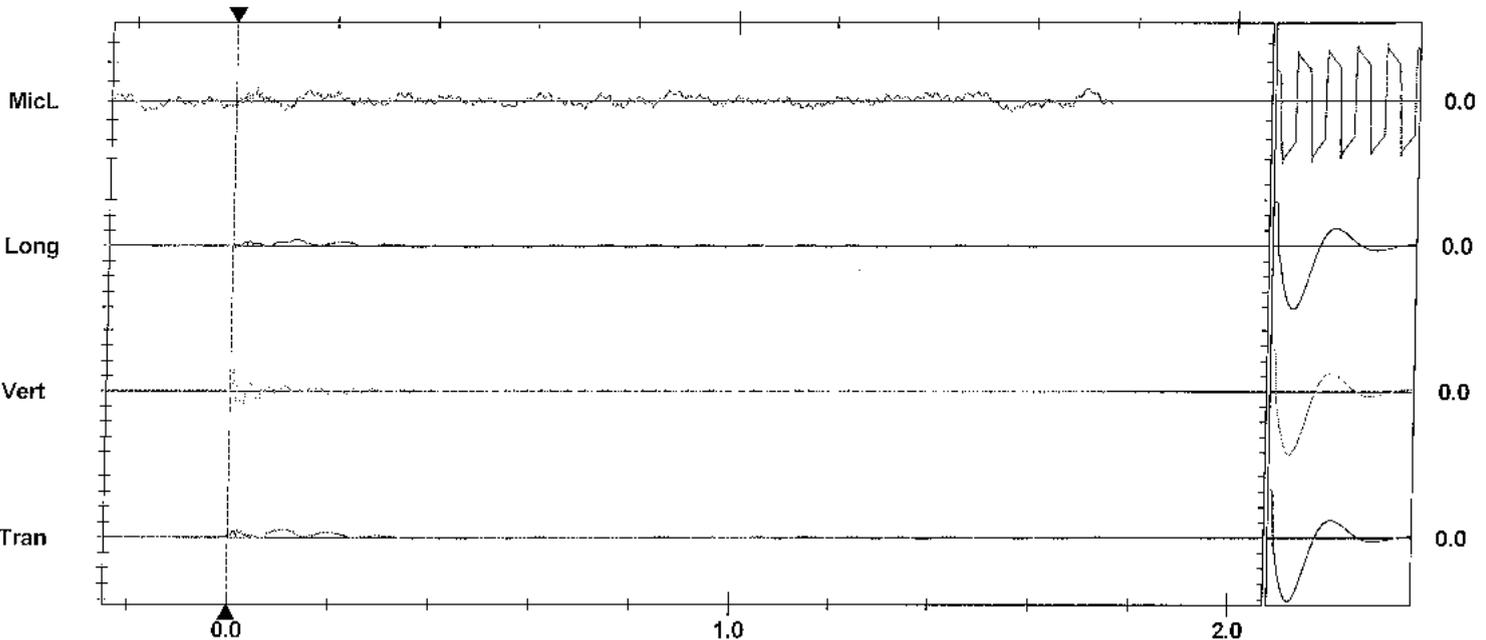
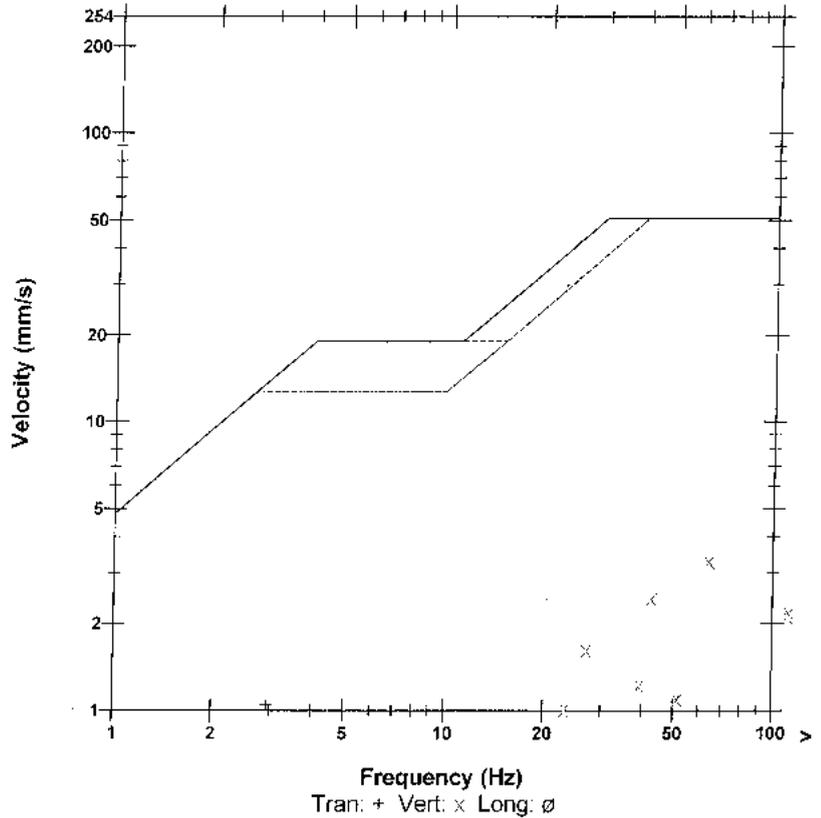
PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting
 PSPL 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

USBM RI8507 And OSMRE



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

Sensor Check

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

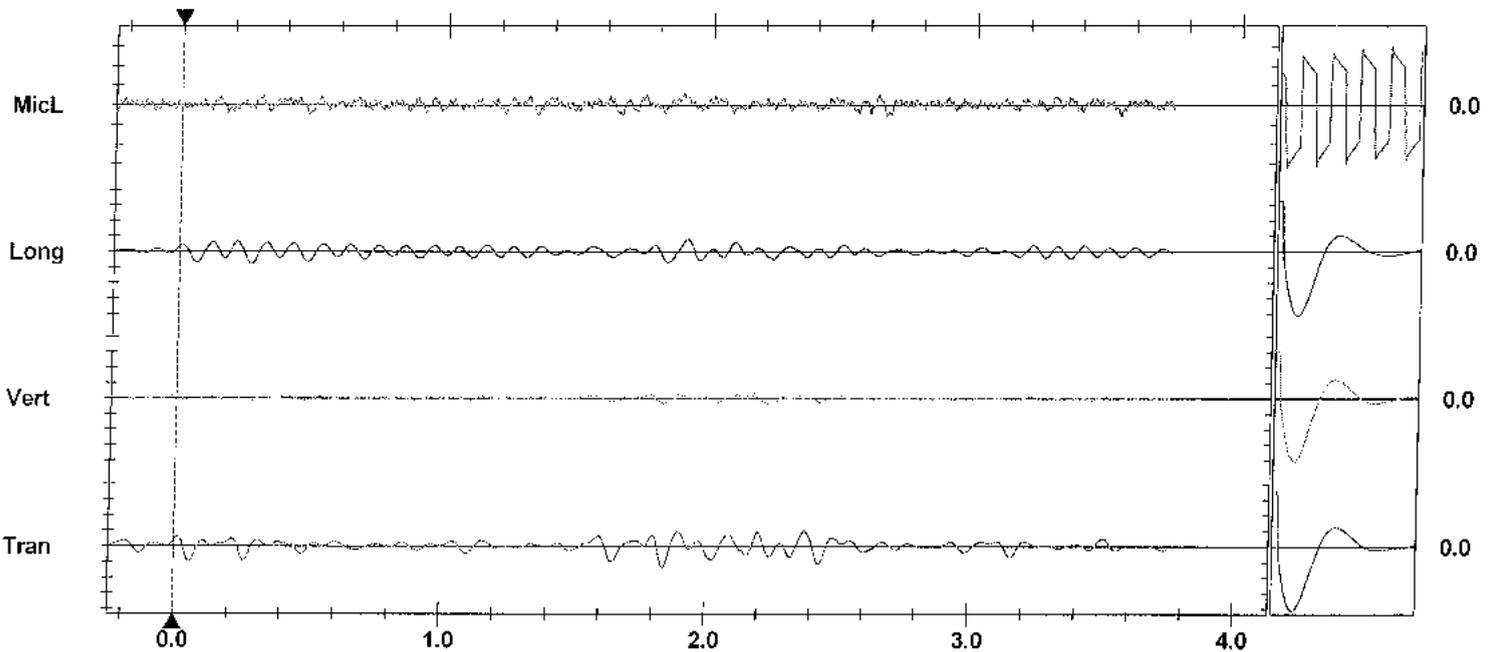
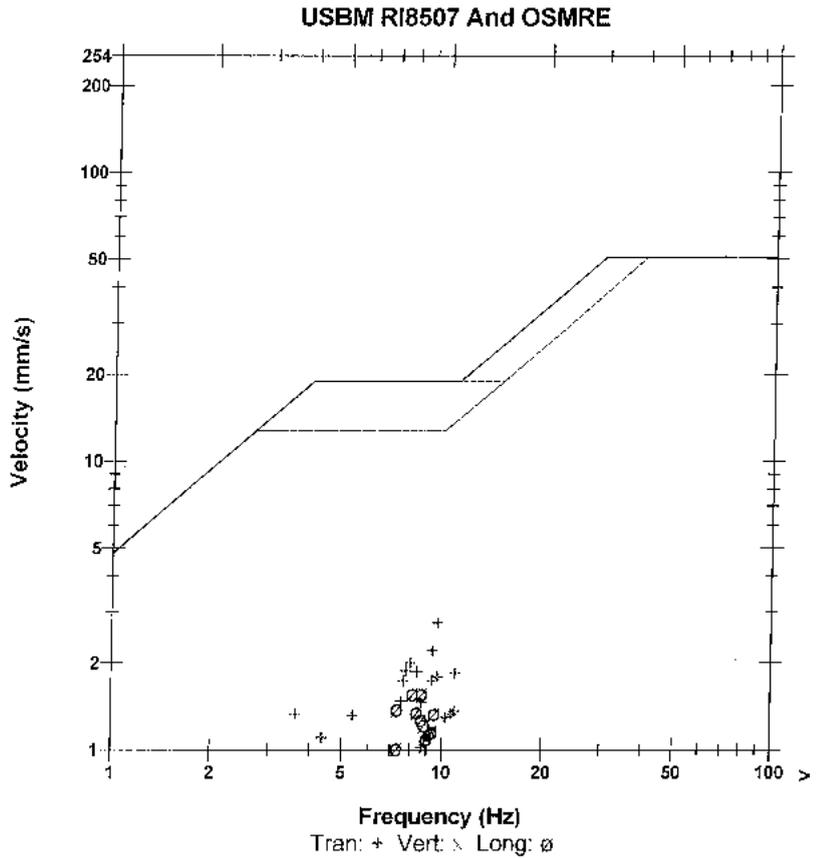
Serial Number UM8131 V 10-76 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration February 26, 2018 by UES New Delhi
File Name UM8131_20190409114651.IDFW
Scaled Distance 16.9 (100.0 m, 35.0 kg)
Post Event Notes
 H 10 1st bench, No of holes -41 nos, Depth - 7 Mtrs
 Charge/delay - 45.4 Kg/delay, Obsevation Distance - 200 Mtr

Notes
 Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

Extended Notes
 PRISM CEMENT LIMESTONE MINES
Microphone Linear Weighting
PSPL 0.574 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
Sensor 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



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

Sensor Check

Date/Time Tran at 10:30:03 April 5, 2019
Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range Geo : 254.0 mm/s
Record Time 5.0 sec at 1024 sps
Operator/Setup: Operator/SSB.MMB

Serial Number UM8131 V 10-76 Micromate ISEE
Battery Level 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)

Notes
 Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

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

Extended Notes

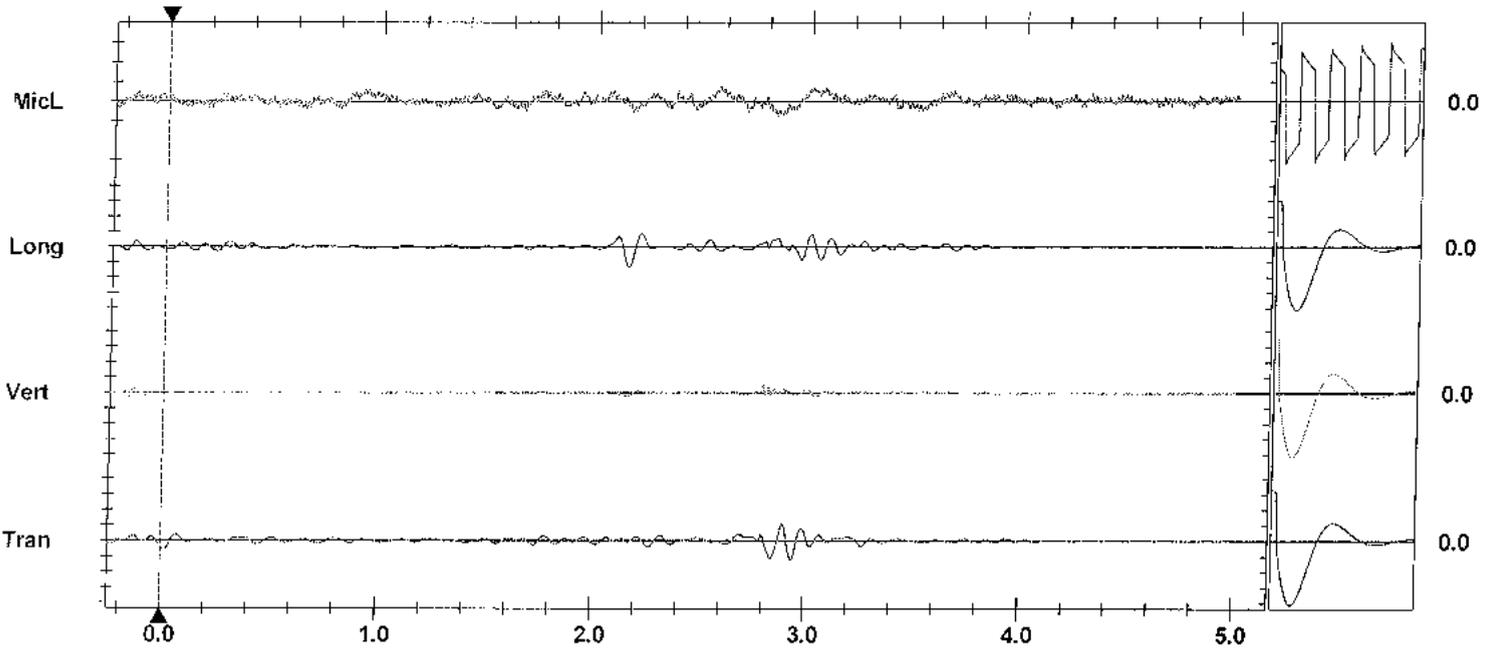
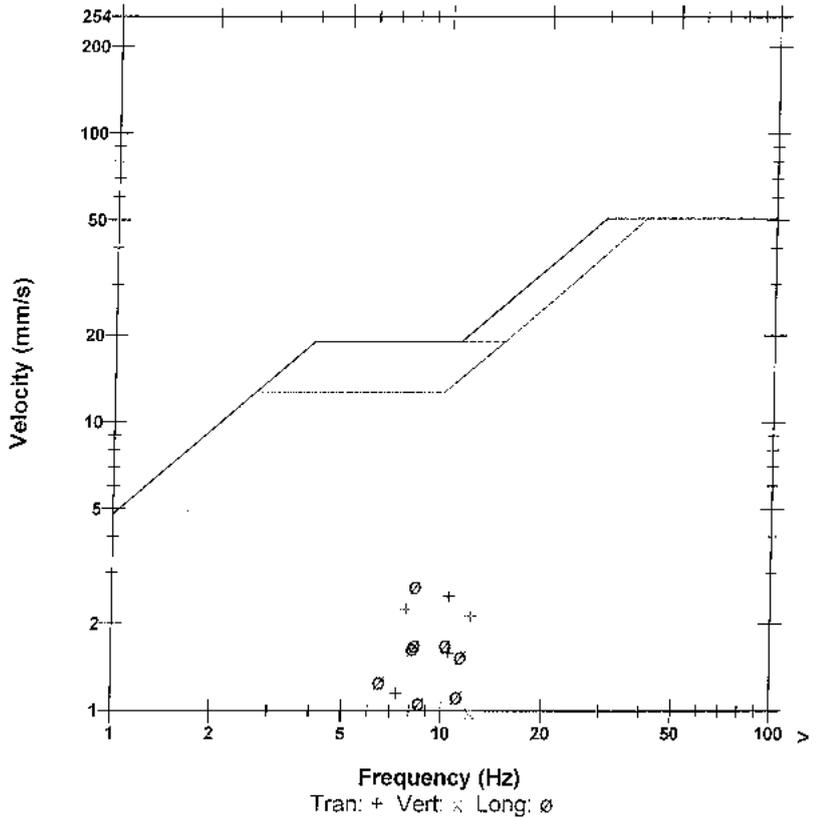
PRISM CEMENT LIMESTONE MINES

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
ZC Freq	10	12	8.3	Hz
Time (Rel. to Trig)	2.941	2.795	2.154	sec
Peak Acceleration	0.024	0.037	0.016	g
Peak Displacement	0.044	0.010	0.050	mm
Sensor 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

USBM RI8507 And OSMRE



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

Sensor Check

Date/Time Vert at 11:32:31 April 5, 2019
Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range Geo : 254.0 mm/s
Record Time 5.0 sec at 1024 sps
Operator/Setup: Operator/SSB.MMB

Serial Number UM8131 V 10-76 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration February 26, 2018 by UES New Delhi
File Name UM8131_20190405113231.IDFW
Scaled Distance 16.9 (100.0 m, 35.0 kg)
Post Event Notes

Notes
 Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

H 19 1st bench, No of holes -04 nos, Depth - 6 Mtrs
 Charge/delay - 18.75 Kg/delay, Obsevation Distance - 150 Mtr

Extended Notes

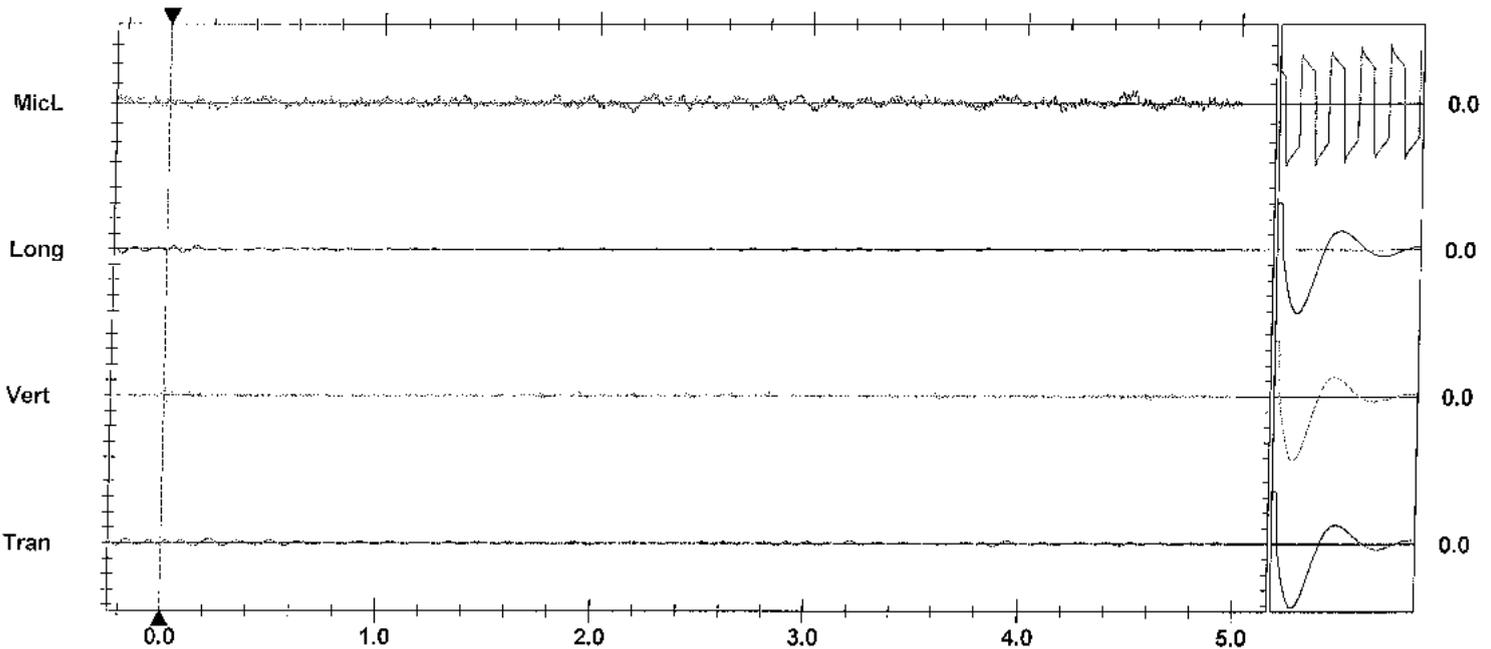
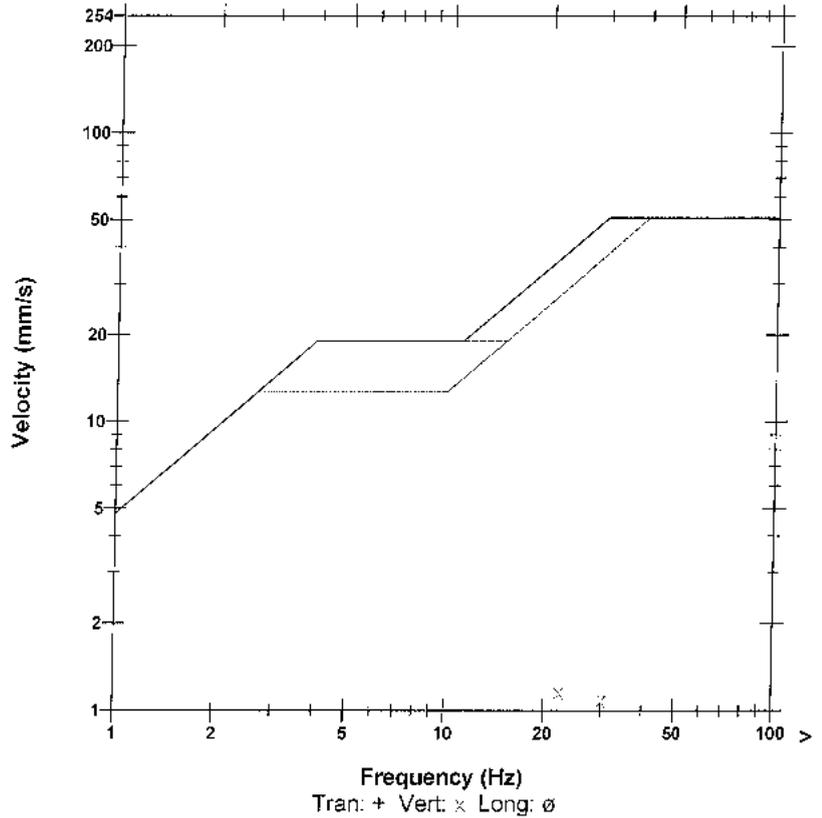
PRISM CEMENT LIMESTONE MINES

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
Sensor 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

USBM R18507 And OSMRE



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

Sensor Check

Date/Time Tran at 10:42:18 April 6, 2019
Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range Geo : 254.0 mm/s
Record Time 2.991 sec at 1024 sps
Operator/Setup: Operator/SSB.MMB

Serial Number UM8131 V 10-76 Micromate ISEE
Battery Level 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

Notes

Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

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

Extended Notes

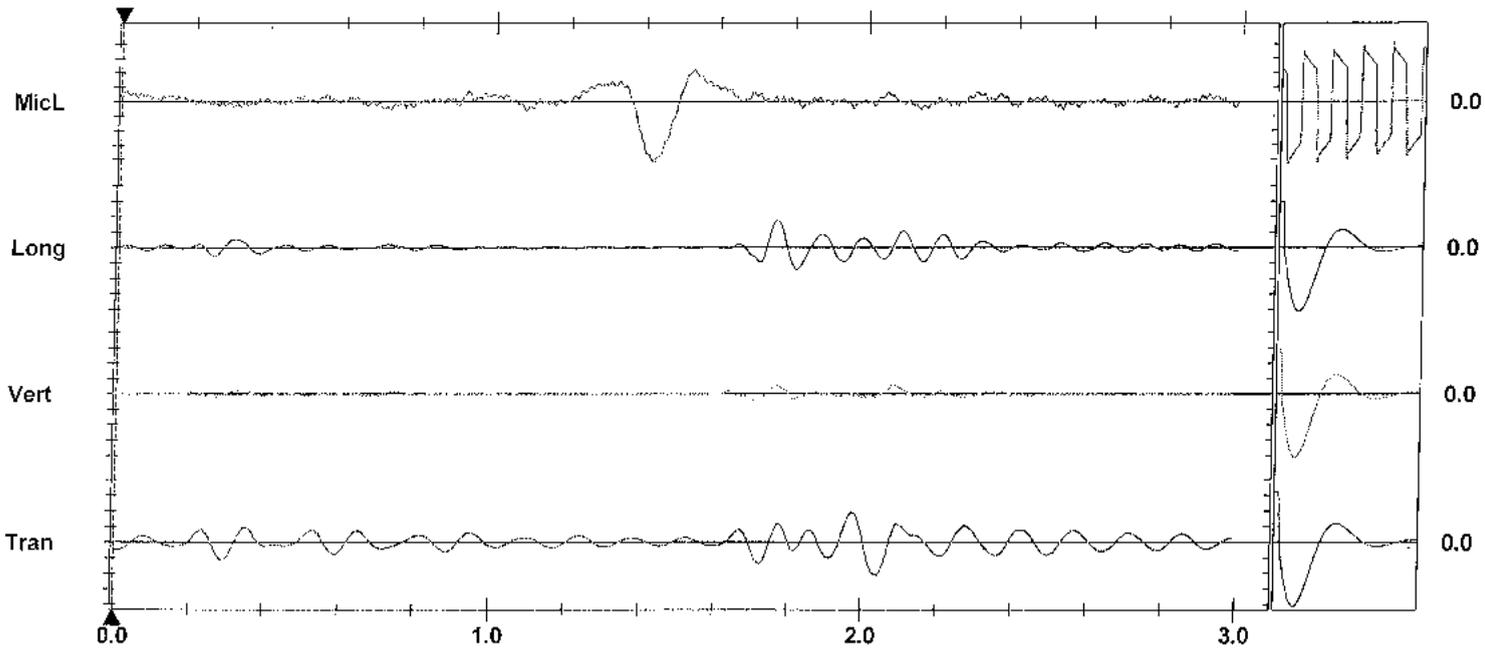
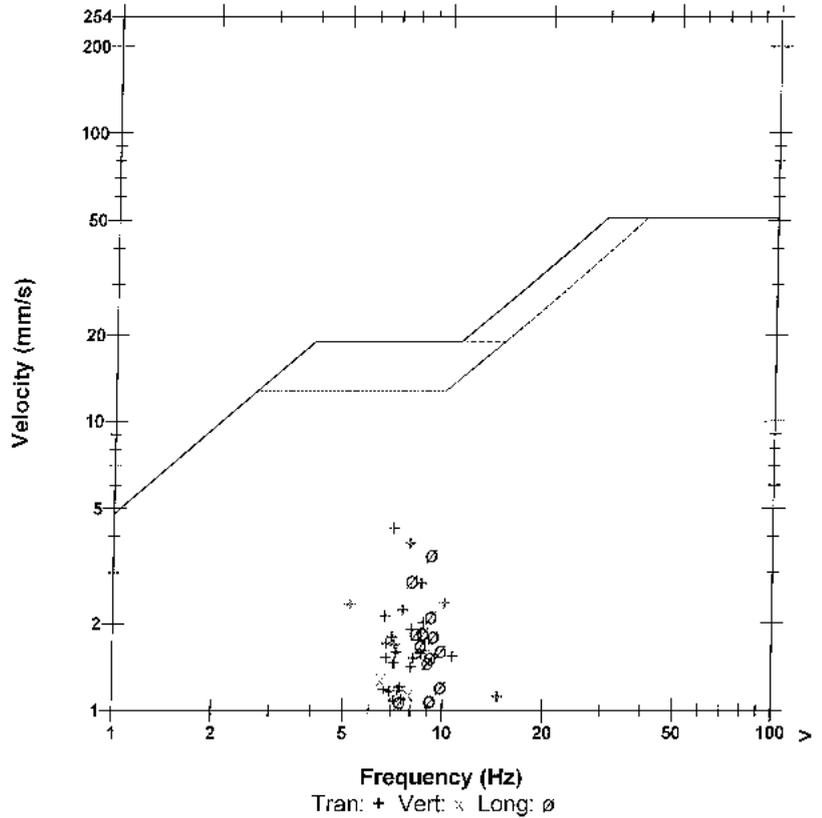
PRISM CEMENT LIMESTONE MINES

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
Sensor 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

USBM RI8507 And OSMRE



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

Sensor Check

Date/Time Tran at 10:32:26 April 8, 2019
Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range Geo : 254.0 mm/s
Record Time 1.75 sec at 1024 sps
Operator/Setup: Operator/SSB.MMB

Serial Number UM8131 V 10-76 Micromate ISEE
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, Observation Distance - 150 Mtr

Notes

Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

Extended Notes

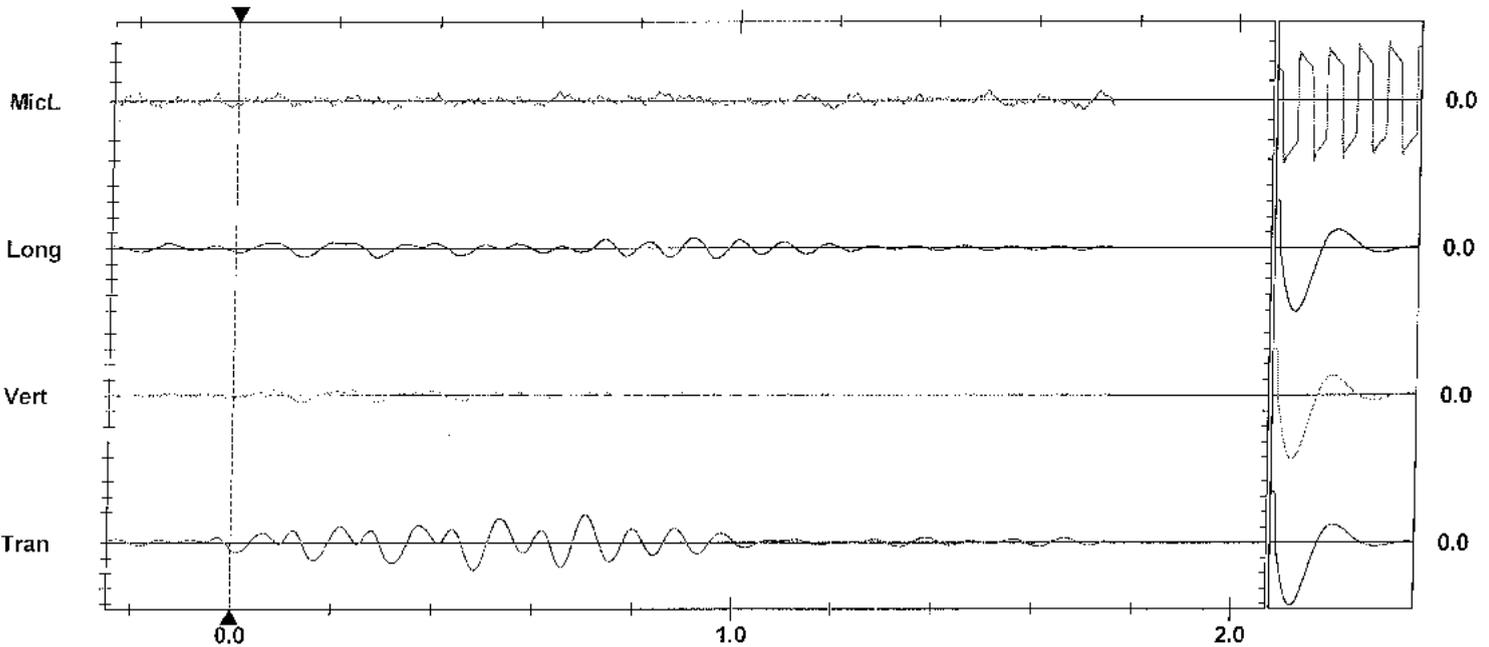
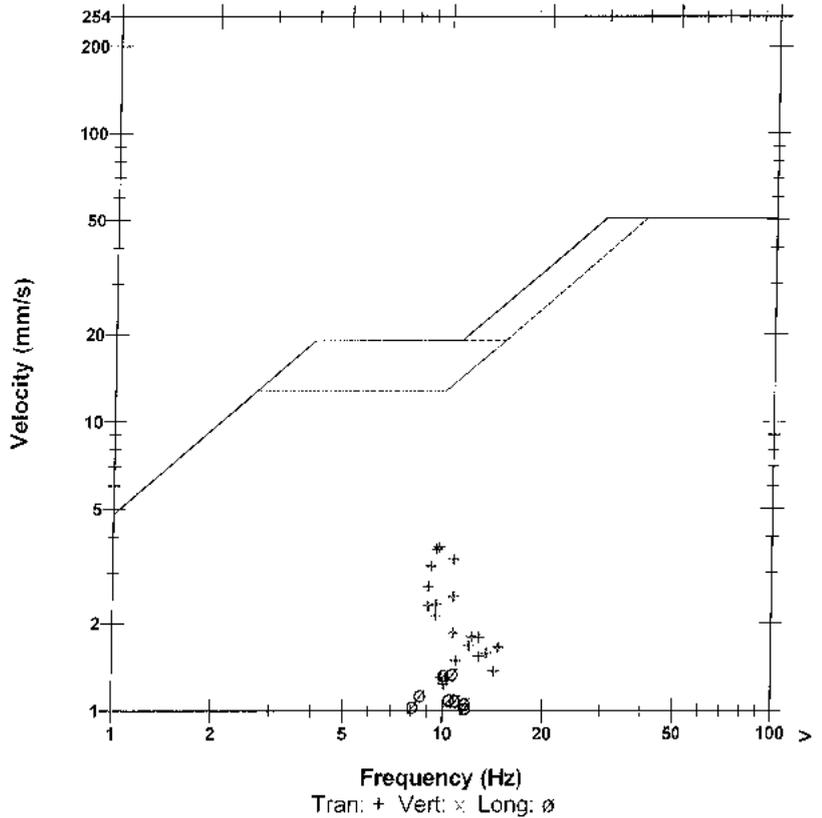
PRISM CEMENT LIMESTONE MINES

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
Sensor 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

USBM RI8507 And OSMRE



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

Date/Time Tran at 10:34:05 April 9, 2019
Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range Geo : 254.0 mm/s
Record Time 3.25 sec at 1024 sps
Operator/Setup: Operator/SSB.MMB

Serial Number UM8131 V 10-76 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration February 26, 2018 by UES New Delhi
File Name UM8131_20190409103405.IDFW
Scaled Distance 16.9 (100.0 m, 35.0 kg)

Notes
 Location:
 Client:
 User Name: PRISM:CEMENT:LTD
 General:

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

Extended Notes

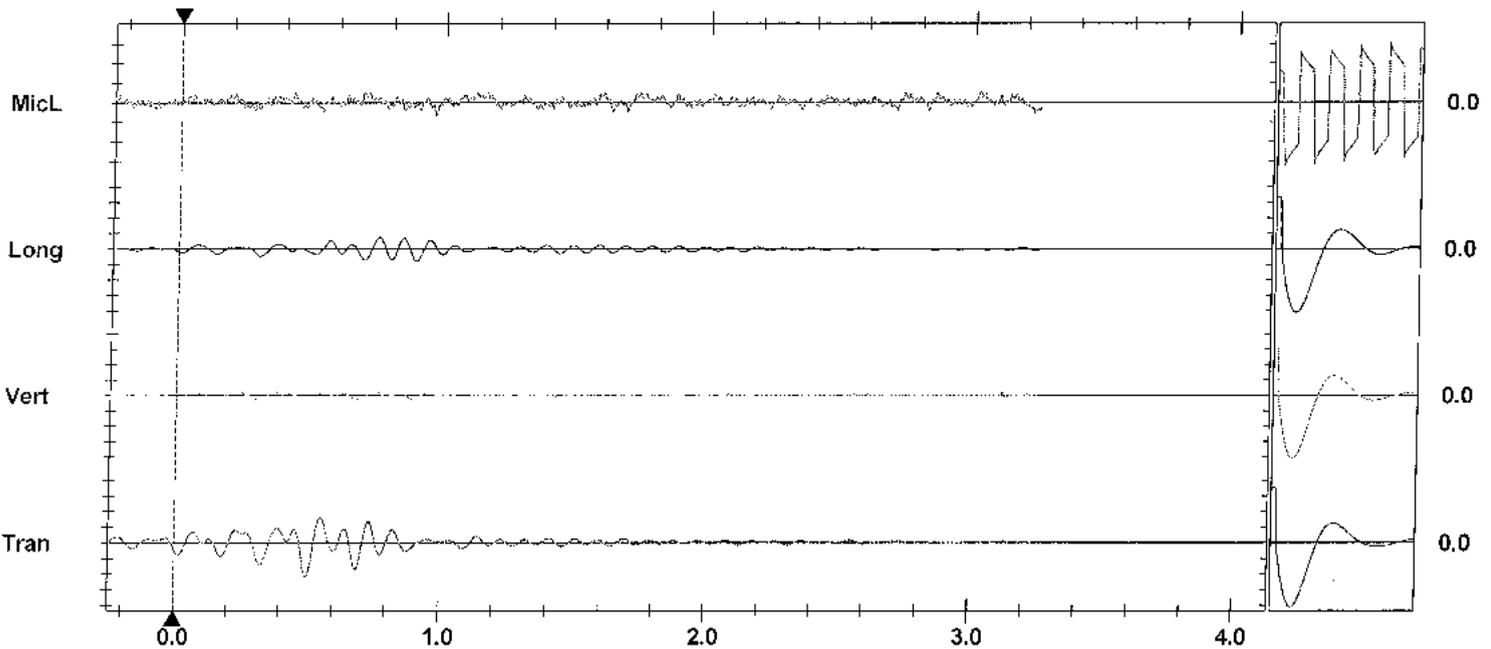
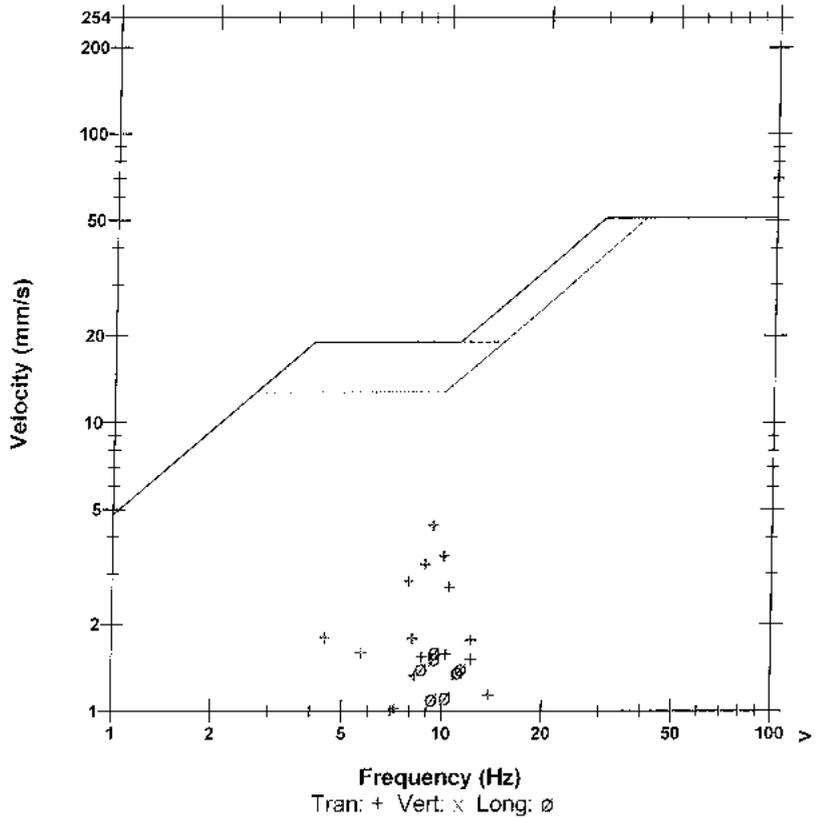
PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting
PSPL 0.714 pa.(L) at 0.962 sec
ZC Freq 11 Hz
Channel Test Passed (Freq = 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
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.4	3.2	3.3	

Peak Vector Sum 4.437 mm/s at 0.501 sec

USBM R18507 And OSMRE



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

Sensor Check

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक 1715 / क / खनिज / 2018 /

सतना दि० 13/6/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म०प्र०)

विषय:-Authentication of DGPS Survey/Geo-referencing cadastral maps of Hinauti Mining Lease Area 253.326 Hect..village- Hinauti Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 04.04.2018 प्राप्त दिनांक 17.05.2018 ।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Hinauti Distt.Satna के कुल 253.326 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी. पी.एस. सर्वे किये जाने के उपरांत संबंधित ऐजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

Mining Officer
खनिज अधिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि० 13/6/2018

पू० क्रमांक - / क / खनिज / 2018

प्रतिलिपि:-

1- Soham Fero magnese PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज अधिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक 3698 / क / खनिज / 2018 /

सतना दि 26/9/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (M.P.)

विषय:- Authentication of DGPS Survey/Geo-referencing cadastral maps of Bagahai Mining Lease Area 512.317 Hect..village- Bagahai Post Bathiya Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 12/6/2018।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Bagahai Post Bathiya Distt.Satna के कुल 512.317 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी.पी.एस. सर्वे किये जाने के उपरांत संबंधित ऐजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

Mining Officer
खनिज अधिकारी
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि 26/9/2018

पू० क्रमांक - / क / खनिज / 2018

प्रतिलिपि:-

1- Soham Fero magnese PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज अधिकारी
खनिज शाखा

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक 3701 / क / खनिज / 2018 /

सतना दि० 26/9/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म०प्र०)

विषय:—Authentication of DGPS Survey/Geo-referencing cadastral maps of Bagahai Mining Lease Area 40.236 Hect..village- Bandarkha Distt, satna (M.P.)

सन्दर्भ:—आपका पत्र क्रमांक निरंक दिनांक 23.07.2018 प्राप्त दिनांक 23.09.2018।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Bandarkha Distt.Satna के कुल 40.236 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी.पी.एस. सर्वे किये जाने के उपरांत संबंधित एजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:— उपरोक्तानुसार

Mining Officer
खनिज कार्यालय
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि० 26/9/2018

प० क्रमांक — / क / खनिज / 2018

प्रतिलिपि:—

1- Soham Fero magness PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज कार्यालय
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक 3699 / क / खनिज / 2018 /

सतना दि० 26/9/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म०प्र०)

विषय:-Authentication of DGPS Survey/Geo-referencing cadastral maps of Hinouti Mining Lease Area 99.416 Hect. village- Hinouti Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 23.07.2018 प्राप्त दिनांक 23.07.2018।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Hinouti Distt.Satna के कुल 99.416 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी.पी. एस. सर्वे किये जाने के उपरांत संबंधित ऐजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

पू० क्रमांक - / क / खनिज / 2018

MINING OFFICER
FOR COLLECTOR
SATNA (M.P.)

वास्ते कलेक्टर सतना
सतना दि० 26/9/2018

प्रतिलिपि:-

1- Soham Fero magness PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

MINING OFFICER
FOR COLLECTOR
SATNA (M.P.)

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक. 714 / क / खनिज / 2018 /

सतना दि. 13/6/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म0प्र0)

विषय:- Authentication of DGPS Survey/Geo-referencing cadastral maps of Hinauti Mining Lease Area 772.067 Hect..village- Hinauti Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 04.04.2018 प्राप्त दिनांक 17.05.2018 ।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Hinauti Distt.Satna के कुल 772.067 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी. पी.एस. सर्वे किये जाने के उपरांत संबंधित एजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

Mining Officer
खनिज अधिकारी
सतना जिला
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि. 13/6/2018

पू0 क्रमांक - / क / खनिज / 2018

प्रतिलिपि:-

1- Soham Fero magness PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज अधिकारी
सतना जिला
खनिज शाखा

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक. 3697...../क/खनिज/2018/

सतना दि० 26/9/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म०प्र०)

विषय:-Authentication of DGPS Survey/Geo-referencing cadastral maps of Chuli& Majhiyar Mining Lease Area 176.619 Hect..village- Chuli& Majhiyar Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 23.07.2018 ।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Chuli& Majhiyar Distt.Satna के कुल 176.619 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी.पी.एस. सर्वे किये जाने के उपरांत संबंधित ऐजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

Mining Officer
खनिज अधिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि० 26/9/2018

पु० क्रमांक -/क/खनिज/2018

प्रतिलिपि:-

1- Soham Fero magnese PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज अधिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक 3700 / क / खनिज / 2018 /

सतना दि 26/9/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म0प्र0)

विषय:-Authentication of DGPS Survey/Geo-referencing cadastral maps of Mendhi Mining Lease Area 117.594 Hect. village- Mendhi Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 12.06.2018 ।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारताम्य में लेख है कि आपको ग्राम Mendhi Distt.Satna के कुल 117.594 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी. पी.एस. सर्वे किये जाने के उपरांत संबंधित ऐजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

Mining Officer
खनिज आधिकारिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि 26/9/2018

पृ० क्रमांक - / क / खनिज / 2018

प्रतिलिपि:-

1- Soham Fero magness PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज आधिकारिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना

कार्यालय कलेक्टर, (खनिज शाखा) जिला- सतना

क्रमांक 1713 / क / खनिज / 2018 /

सतना दि 13/6/2018

प्रति,

मेसर्स प्रिज्म जॉनसन लिमिटेड,
ग्राम मनकहरी पो.बठिया,
जिला सतना (म0प्र0)

विषय:-Authentication of DGPS Survey/Geo-referencing cadastral maps of Hinauti Mining Lease Area 66.434 Hect..village- Hinauti Distt, satna (M.P.)

सन्दर्भ:-आपका पत्र क्रमांक निरंक दिनांक 04.04.2018 प्राप्त दिनांक 17.05.2018 ।

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम Hinauti Distt.Satna के कुल 66.434 हे. क्षेत्र पर स्वीकृत चूनापत्थर क्षेत्र का Soham Fero Magnese PVT.LTD.द्वारा डी.जी. पी.एस. सर्वे किये जाने के उपरांत संबंधित ऐजेन्सी द्वारा Geo referencing Cadastral maps पर प्रमाणन किया गया है उक्त मेप पर प्रमाणीकरण उपरांत एक प्रति प्रदान किया जा रहा है।

संलग्न:- उपरोक्तानुसार

Mining Officer
खनिज अधिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना
सतना दि 13/6/2018

पू0 क्रमांक -/क/खनिज/2018

प्रतिलिपि:-

1- Soham Fero magness PVT.LTD.वर्धा रोड नागपुर महाराष्ट्र की ओर सूचनार्थ प्रेषित।

Mining Officer
खनिज अधिकारी
SATNA (M.P.)
खनिज शाखा

वास्ते कलेक्टर सतना

STATUS OF COMMITMENTS MADE DURING PUBLIC HEARING HELD ON 22.05.2008

S.No.	Name of Candidate	Suggestions & Points raised	Reply of Project Proponent	Present Status
1	Mrs. Guddi devi, Chairperson "Garib Sangh Samiti" Bamhauri, Satna	a) Admission on merit and free of fee for admission 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	Provision for proper facilities will be considered 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	Admission is given to the students of surrounding villages as per availability of seats and guidelines of the company Plantation is being done on road side and around the Mankahari Pond Few lamp posts have been established and will be extended in phase wise Employment and other facilities are being provided to affected persons
2	'Sarpanch' Village Panchayat – Bathia, Satna	Employment to local villagers of Bamhauri	Employment will be granted as per rules and regulations of company	More than 50% employment has been given to local persons
3	Mithilesh – (student) Bamhauri, Satna	Appeal of Pollution Control in industry	All pollution control acts will be complied with	All due provisions have been made to combat pollution likely to be caused. <ul style="list-style-type: none"> • Details of APCEs are as under 1- Raw mill/ Kiln – Bag House (1) 2- Cooler – ESP (1) 3- Coal Mill – Bag House (1) 4- Cement mills – Bag House (2) 5- 92 Bag filters installed to cover all the transfer points • Arrangement of water sprinkling at crusher hopper and limestone conveyor bet • Water sprinkling on haul roads

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

				<p>all the transfer points</p> <ul style="list-style-type: none"> • Arrangement of water sprinkling at crusher hopper and limestone conveyor belt • Water sprinkling on haul roads through tankers
7	Mr. Shankar Singh, Rtd. Commissioner, (Milk & Dairy Dept), 31 Rachna Nagar, Bhopal	Employment should be provided to effected villagers	Employment will be granted as per rules and regulations of company	Employment is being provided to affected villagers. More than 50% employment has been given to local persons
8	Mr. Ramadhar Prasad, Sarpanch, Village- Hinauti, Satna	Necessary assistance & help will be extended by him for the establishment of industry with the protection of environment from Pollution	Thanks & All pollution control acts will be complied with	All the efforts are being done to control the pollution
9	Sarpanch, Village Panchayat- Mankahari, Satna	Expressed his consent to establish the industry	Thanks & Agreed	----
10	Sarpanch, Village Panchayat- Sijahata, Satna	Expressed his consent to establish the industry	Thanks & Agreed	----
11	Sarpanch, Village Panchayat- Sijahata, Satna	Suggested to plant 10000 saplings, seek help to improve health, sanitation facilities in villages and employment for educated persons	Agreed, Plantation will be done during rainy season, health, sanitation and employment will be considered as per rules and regulation of company	<p>Improving green cover in and around plant premises is always company's utmost priority. Saplings are also distributed to village students to promote plantation & to make awareness.</p> <p>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.</p> <p>Employment is also being given as</p>

				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	Medical 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): 30/06/2020

CONSENT NO: ***

PCB ID: 13880

Outward No: 98539-13/05/2019
NO: /MPPCB/SAT

Consent No: AW-49942

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. 756471 Dt. 27/02/2019 and last communication received on Dt. 02/03/2019

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant renewal of consent up to 30/06/2020, 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 & amended vide amendment Outward No: 87440 dated 22/10/2018, its subsequent renewal orders & as enclosed with this letter.

SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location:** Village-Mankahari, P.O. Bathia, Tehsil-Rampur Baghelan, Distt Satna- 485111 (M.P.)
- The capital investment in lakhs:** Rs. 112600
- Product & Production Capacity:**

Product	CTE Qty./Year	CCA Qty./Year	Applied Qty./Year
Cement	6700000.000 M.T	6700000.000 M.T	6700000.000 M.T
Clinker	3000000.000 M.T	3000000.000 M.T	3000000.000 M.T

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

The Validity of the consent is up to 30/06/2020 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions



e-Signed On 13/05/2019 16:12:16
(Organic Authentication on AADHAR from UIDAI Server)
TPAV # G5TVB05BPY

ACHYUT ANAND MISHRA
Member Secretary



CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :

1. The daily quantity of trade effluent generation shall not exceed 0.000 KL/day, and the daily quantity of sewage generation shall not exceed 185.000 KL/day

2. Sewage Treatment :- The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards as notified vide GSR No. 1265(E) Dt. 13.10.2017:

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform (FC) MPN/100ml	Not exceed	1000

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

S.No.	Water Code (Qty. in klpd)	WC : 1440.000	WWG : 185.000	Water Source
1	Cooling Water	1000.000	0.000	Other
2	Domestic Purpose	290.000	200.000	Bore well

3. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

4. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. 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. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

8. Compilation of Monitoring-

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.

9. Recording of Monitoring-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- The date, exact place and time of sampling
- The dates on which analysis were performed
- Who performed the analysis?
- The analytical techniques or methods used and

Consent No:AW-49942



(v)The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

10. Reporting of Monitoring Results:-

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

11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

12. 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.

13. Prohibition of bypass system-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

14. Industry 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.



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

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

Name of section	Stack height (mtrs.)	Fuel	Control equipment to be installed	P.M, SO _x , NO _x (mg/Nm ³)
Cement Mill	49	---	Bag Filter,	30,NA,NA
Coal Mill	65	---	Bag Filter,	30,NA,NA
Cooler Exit	50	---	E.S.P,	30,NA,NA
Raw Mill Kiln	110	Coal/Pet	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:

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

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

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/ unit 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 conditions and as stated in additional condition

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:

- The continuous online monitoring system with all emission sources shall be connected with Environment Surveillance Centre, M.P. Pollution control board Bhopal with online remote calibration facility for real time remote surveillance.
- The industry shall provide pneumatic system for the handling of AFR.
- 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.
- The industry is permitted to use Pet-coke –210000 MT/Annum as feed stock or in the manufacturing process.
- The industry shall comply with the monitoring protocol as decided by the CPCB for the use of co-processing and use of AFR.
- 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.



GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Disposal
Scrap/ Plastic packing material wood, card board, gunny bogs etc	Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in 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 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the 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 :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

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.

Consent No:AW-49942



Consent Order

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

Additional condition:

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.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974, The Air (Prevention & Control of Pollution) Act,1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board

(Member Secretary)



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(Organic Authentication on AADHAR from UIDAI Server)
TPAV # G5TVB05BPY

ACHYUT ANAND MISHRA
Member Secretary

Consent No:AW-49942

FORMAT NO. ECO/QS/FORMAT/23 REPORT NO: ECO LAB/Piezo/GW/10/19
REPORT ISSUE DATE: 14.10.2019**REPORT OF WATER LEVEL MEASUREMENT**

Name of the Customer : M/s. Prism Johnson Ltd.
Address of the Customer : Village - Mankahari,
Tehsil - Rampur Baghelan
Distt.Satna (M.P.)
Measurement by : Mr. Maan Singh
Date of Measurement : October 4th, 2019

Sl. No.	Piezometer No.	Water Level (meter)
1.	Mine New magazine	8.05
2.	Mine Ramprashan area	6.98
3.	Mine Western block	4.21
4.	Mine Mendhi	7.29

Atkashyamas
Analyst

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

Reeng
Quality Manager

ECOMEN LABORATORIES PVT. LTD.

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 : 09AAACE6076H1Z1

FORMAT NO. ECO/QS/FORMAT/07 TEST REPORT NO:ECO LAB/WW3/1040/10/19
TEST REPORT ISSUE DATE: 14.10.2019

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.Maam Singh
Sample Quantity : As per requirement.
Date of Sampling : 04.10.2019
Date of Receiving : 05.10.2019
Date of Analysis : 05.10.2019 to 12.10.2019
Source of Sample : Mine Workshop after separate Treated Water
Sample ID Code : ELW-10271

Sl. No.	TESTS	PROTOCOL	RESULT	Range of Testing / Limits of Detection	G.S.R 1265(E)
1	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.34	2-12	6.5-9.0
2	Total Suspended Solid as TSS (mg/l)	APHA, 23 rd Ed. 2017, 2540-D	25.6	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	7.0	5-10000	30.0
5	Chemical Oxygen Demand as COD (mg/l)	APHA, 23 rd Ed. 2017, 5220 A+C	48.0	5-50000	-
6.	Fecal Coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017, A + E	Absent	1.8	<1000

*The result are related only to item tested.
BDL = Below Detection Limit

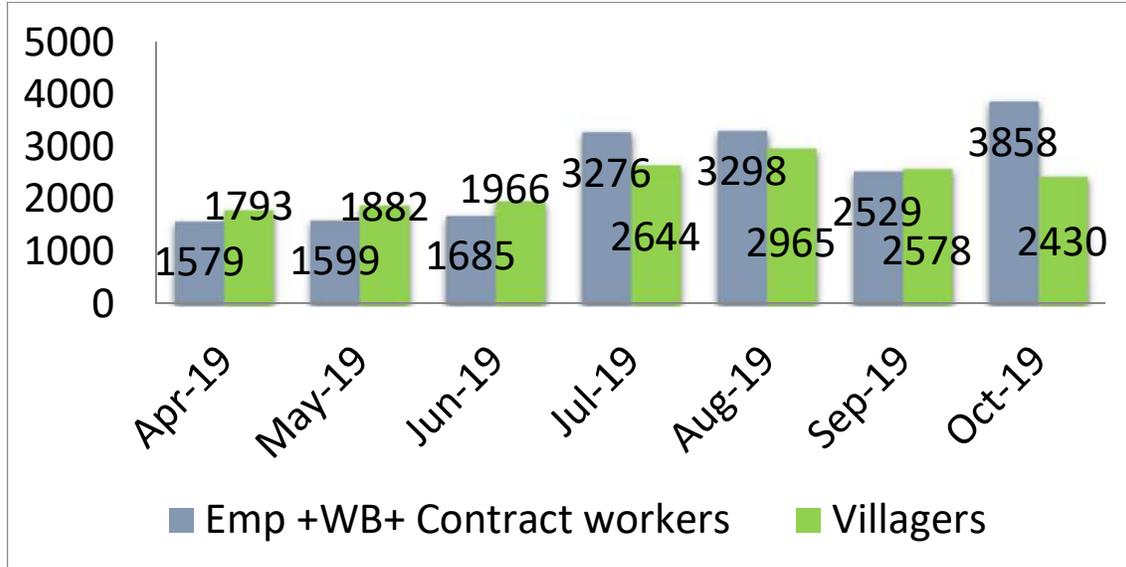
Shankar
Analyst

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

Reeng
Quality Manager

MEDICAL SERVICES
Salient Achievements / Contribution
1st Apr 2019 to 31st Oct 2019

❖ **PERFORMANCE OPD**



Total OPD (Apr-19 to Oct-19)	34,082
Villagers (CSR)	16,258
OTHERS (Colony residents +Emp +WB+ Contract workers)	17,824

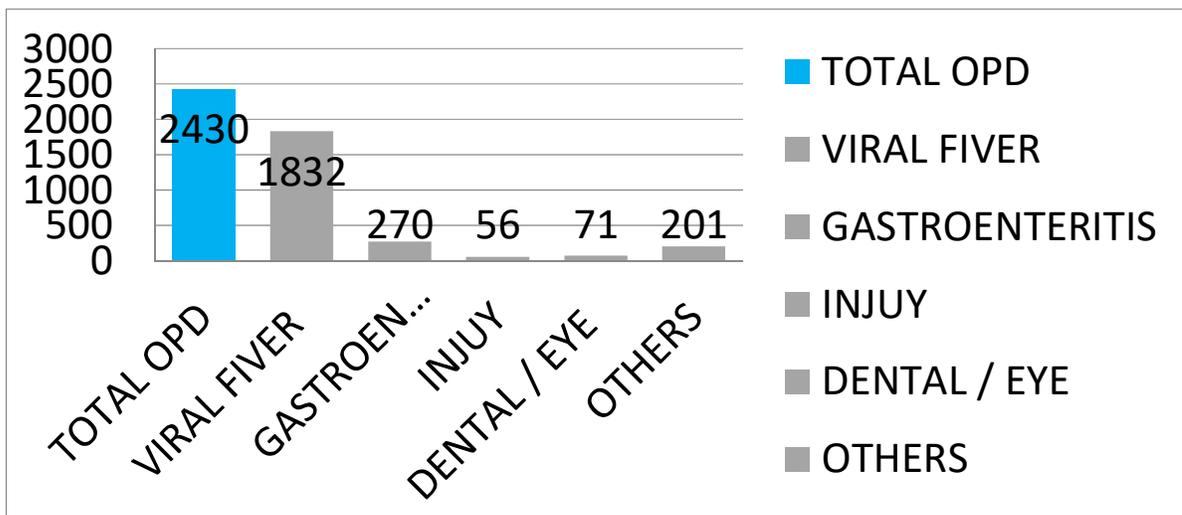
❖ **VILLAGE WISE O.P.D REPORT**

MONTH :- OCT-19		
SNO	VILLAGES	NO OF BENEFICIARY
1	MANKAHRI	311
2	BADARKHA	136
3	BAGHAI	191
4	BAMAHOURI	307
5	HINAUTI	297
6	SIJAHTA	347
7	BAIRIHA	317
8	NARSINGHPUR	67
9	RAMPUR	18

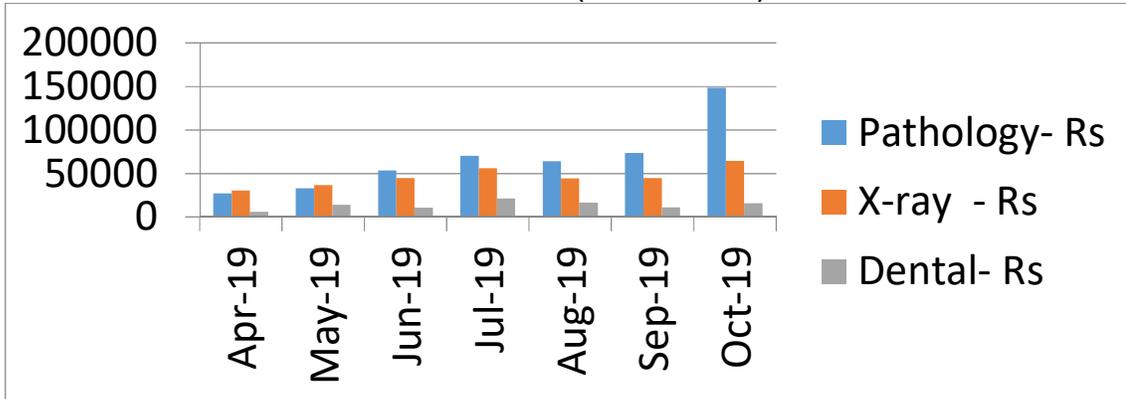
10	KARMAU	47
11	PITHEPUR	58
12	CHULHI	30
13	JHAJHAR	71
14	MALGAON	19
15	MAJHIYAR	19
16	MAHURACH	123
17	TAPA	30
18	MEDHI	23
	TOTAL	2430



❖ DISEASE WISE VILLAGE O.P.D REPORT (Oct-19)

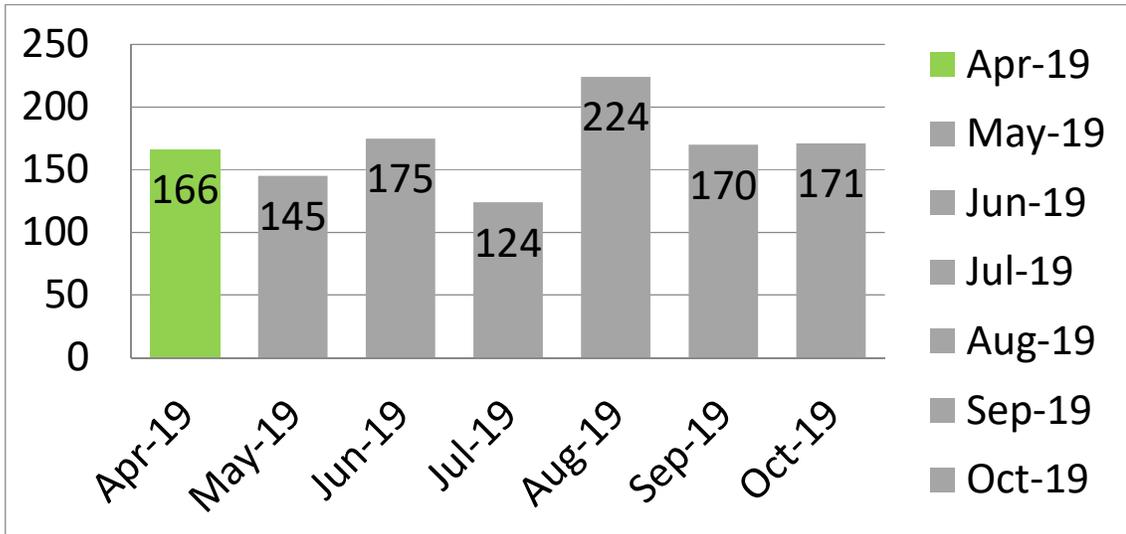


❖ PERFORMANCE (DIAGNOSTICS)



Sections	No of tests / X-rays	Maintenance revenue (Rs)
PATHOLOGY	7670	4,70,650
X-RAY	3573	3,22,140
DENTAL	916	19,390
TOTAL	12159	8,80,180

❖ 24 x 7 AMBULANCE SERVICES



1004 times provided for villagers

❖ VILLAGE WISE AMBULANCE SERVICES REPORT (Oct-19)

S NO	VILLAGE	NO OF PATIENT / Times
1	BANDARKHA	4
2	BAGHAI	19
3	BAMAHURI	28
4	BAIRIHA	12
5	BAGHANDA	2
6	BATHIYA	5
7	HINAUTI	10
8	JHAJHAR	3
9	MANKAHRI	7
10	MAHURACH	5
11	NARSINGHPUR	2
12	P J L TO SATNA	25
13	PITHAIPUR	2
14	RAMPUR	4
15	SIJAHTA	43
	TOTAL	171



❖ DOOR TO DOOR MOBILE HEALTH VAN VISITS

Total Visits	48
Total Patients Benefited	829
Approx Expenses Rs	7350

Added 11 villages

- 1- Chormari. 2- Pithaipur. 3- Jhanjhar. 4-Mugwari. 5- Bathiya. 6- Majhiyar.
 7- Bairiha. 8- Medhi. 9- Hinouta. 10-Chulhi. 11-Malgaon.



❖ MULTISPECIALTY MEGA HEALTH CAMPS (UNDER CSR)

Objective:- Medical CSR for the population of surrounding villages through different specialties of medical science e.g. M.D physician ,M.S General surgeon, child, E.N.T, Gynec & Eye .





❖ **HEALTH CHECK-UP**

DIABETES/HYPERTENSION DETECTION

Wage board workers investigated	507
Result	Normal – 440, HT- 26 , HT&DM-37, NIDDM-04

Management

Patients counseled on the following:-

- Diet.
- Physical activities e.g. regular walking, exercises, yoga, pranayam, meditation, sports etc.
- Medicines.
- Regular follow ups, so that the status of HT, NIDDM & their complications are monitored and prevented in future



❖ **PRE & PERIODIC HEALTH CHECK-UP**

Staff	660
Wage Board	670
Contract worker	810
Total	2140



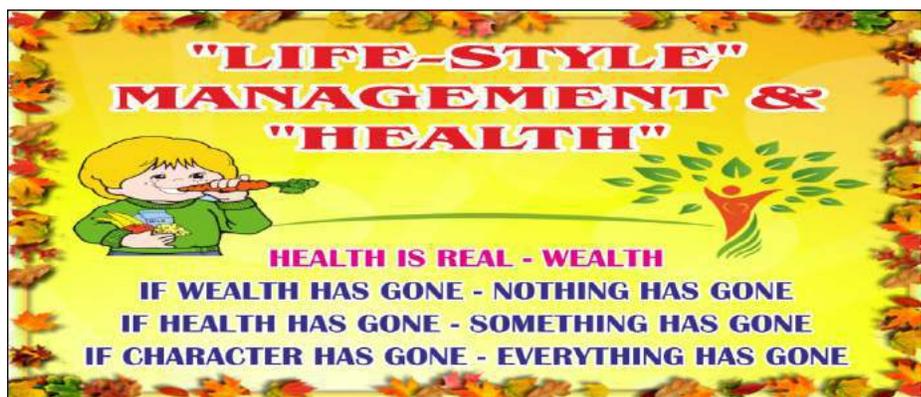
❖ **BONE MINERAL DENSITOMETRY (BMD) CAMP**

Detection & Management of OSTEOPOROSIS a rapidly increasing health problem

Date	At	Beneficiaries
10.06.19	PJL Medical Center	51 Normal- 14 Ostiopenic- 33 Osteoporotic- 04
15.10.19	PJL Medical Center	78 Normal- 10 Ostiopenic- 87 Osteoporotic- 11



❖ **AWARENESS PROGRAMME**



* Faculty : Dr. Devdatt Mishra
* Venue : Bodh-Gaya, Admin Building

* Date : 11.11.2019
* Timing : 03:00 PM to 05:00 PM



❖ **ACHIEVEMENTS**

DIGITIZATION OF MEDICAL CENTER

Up gradation of digital system of medicine dispensing process, inventory management, medical record keeping along with computerized prescription system.

Maintaining Occupational Health Records, medicines record, X-ray, pathology test records & reports, Pre & periodic medical records, patients' data and monthly reports

Activity	Status
Management Approval	Approved- CBC NO-CWIP-400986
Indent	PR: 1300007076 / 28.05.19
Current Status	PO: Created
Expected date of completion	25 th -Nov-19.

❖ **PROCUREMENT OF MEDICINES**

- Around 98 % Conversion from ETHICAL TO GENERIC
- Saving (Approximately 12 Lacs /Year)

❖ **INFRASTRUCTURE**

Added 2 rooms in Hospital for reduction of congestion & facilitate smooth working.

❖ **MANPOWER OPTIMIZATION**

Category	Previous Manpower As on 2014-15	Reduction of Manpower	Manpower As on 31.10.19	Remark
Staff (Nursing & Doctor's	21	7	14	Doctor :- 03 Pharmacist :- 02 Diagnostic :- 02 Nursing :- 07
Wage Board	8	7	1	Attendant
Contract worker	11	1	10	Attendants :- 7 Female & 3 Male.
Total	40	15	25	Reduction Approx 40 %

❖ **MONTHWISE OPD**

Section			
Total OPD	Apr- 3427 May- 3651 June- 3811	July- 6027 Aug- 6371 Sep- 5236	Oct- 6288 Nov- Dec-
OPD (Emp +WB+Cont+ Others)	Apr- 1579 May- 1599 June- 1685	July- 3276 Aug- 3298 Sep- 2529	Oct- 3858 Nov- Dec-
Villagers (CSR)	Apr- 1793 May- 1882 June- 1966	July- 2644 Aug- 2965 Sep- 2578	Oct- 2430 Nov- Dec-
Mobile Health van OPD/Visit	Apr- 55 / 6 May- 170 / 8 June- 160 / 7	July- 107 / 6 Aug – 108 / 7 Sep- 129 / 8	Oct- 100/6 Nov- Dec-
Ambulance Nos	Apr-166 May-145 June-175	July-124 Aug-224 Sep-170	Oct- 171 Nov- Dec-

❖ **MONTHWISE REVENUE GENERATED**

Objective:- i) On minimum charges basis to keep-up the importance of these facilities and for maintenance and recurring expenses.

ii) To gradually make the hospital self dependent.

Section			
Pathology Section (Running on self-reliance mode)	Apr- 27115 May- 33180 June- 53785	July- 70420 Aug- 63910 Sep- 73640	Oct- 148600 Nov- Dec-
X-Ray Section	Apr- 30715 May- 36850 June- 44835	July- 56160 Aug- 44290 Sep- 44580	Oct- 64710 Nov- Dec-
Dental Section	Apr- 5790 May- 14180 June- 10800	July- 21220 Aug- 16520 Sep- 11900	Oct- 15690 Nov- Dec-

**PRISM JOHNSON LIMITED, MANKAHARI, SATNA (M.P.)
CSR ACTIVITY EXPENSE SUMMARY FY 2019-20**

AS on 30.09.2019

(1) Sl.No	(2) CSR project or activity Identified.	(3) Sector in which the project is covered	(4) Projects or programs		(5) Amount outlay (budget) project or programs wise (Rs. In Lacs)	(6) Amount spent on the projects or programs (Rs. In Lacs)		(7) Cumulative expenditure up to the reporting period	(8) Amount sent: Direct or through implementing agency*	(9) Details of implementing agency*
			(1) Local area or other	(2) Specify the state and district where projects or programs was under taken		(1) Direct expenditure on project or programs	(2) Overheads:			
INFRASTRUCTURE DEVELOPMENT (CSR ACT SCHEDULE VII - X)										
1	Construction of WBM road from Hr Sec. School to Marpha Mandir Kulkhadi Sijahata (Approx 800 M)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Sijahata	Satna Madhya Pradesh	1.60	0.00	0.00	0.00	Direct	
2	Construction of WBM road at Mallahan Tola Chulhi (Approx. 150 meters)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Malgaon	Satna Madhya Pradesh	1.00	0.00	0.00	0.00	Direct	
3	Leveling of road near Chulhi turning with display board	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Malgaon	Satna Madhya Pradesh	1.00	0.00	0.00	0.00	Direct	
4	Construction of concrete wall for protection of River Bank East side along stair case (Approx 33 meter)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Hinauti	Satna Madhya Pradesh	8.00	0.00	0.00	0.00		
5	Construction of bus shelter at village Kadaila	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Mahurachh Kadaila	Satna Madhya Pradesh	2.50	2.13	2.13	2.13	Direct	
6	Construction of bus shelter at village Bairiha	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Bairiha	Satna Madhya Pradesh	2.50	0.15	0.15	0.15	Direct	
7	Construction of bus shelter at village Naarsinghpur (Chhibaura Turning)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Naarsinghpur	Satna Madhya Pradesh	2.50	2.13	2.13	2.13	Direct	
8	Repairing and white wash of Primary health Centre at Sijahata (Approx. 2000 sqft)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Sijahata	Satna Madhya Pradesh	2.50	0.00	0.00	0.00		
9	Repairing and white Veterinary health Centre at Sijahata (Approx. 2000 sqft)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Sijahata	Satna Madhya Pradesh	2.50	0.00	0.00	0.00		
10	Construction of cremation shed at Bairiha	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Bairiha	Satna Madhya Pradesh	4.50	0.12	0.12	0.12	Direct	
11	Construction of cremation shed at Majhiyar	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Majhiyar	Satna Madhya Pradesh	4.50	0.00	0.00	0.00	Direct	
12	Construction of cremation shed at Chulhi village (Continue work from FY 18-19)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Majhiyar	Satna Madhya Pradesh		1.95	1.95	1.95	Direct	
13	Repairing of WBM roads in nearby villages	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Bairiha	Satna Madhya Pradesh	3.70	0.00	0.00	0.00	Direct	
14	Repairing & Whitewash of cremation shed at village Hinauti	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.20	0.00	0.00	0.00	Direct	
15	Repairing & Whitewash of cremation shed at village Bathiya	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Bathiya	Satna Madhya Pradesh	0.20	0.00	0.00	0.00	Direct	
16	Repairing & Whitewash of cremation shed at village Baghai	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.20	0.00	0.00	0.00	Direct	
17	Repairing of community centre at Baghai	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Baghai	Satna Madhya Pradesh	2.00	0.08	0.08	0.08	Direct	
18	Repairing of community centre at Chulhi village	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Malgaon	Satna Madhya Pradesh	2.50	0.22	0.22	0.22	Direct	
19	Repairing of culvert at Baghai on Sijahata Deviji road	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Baghai	Satna Madhya Pradesh	5.00	0.00	0.00	0.00	Direct	
20	Construction of culvert near Semaliya Baba Malahan Tola Chulhi	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Malgaon	Satna Madhya Pradesh	3.00	2.85	2.85	2.85	Direct	

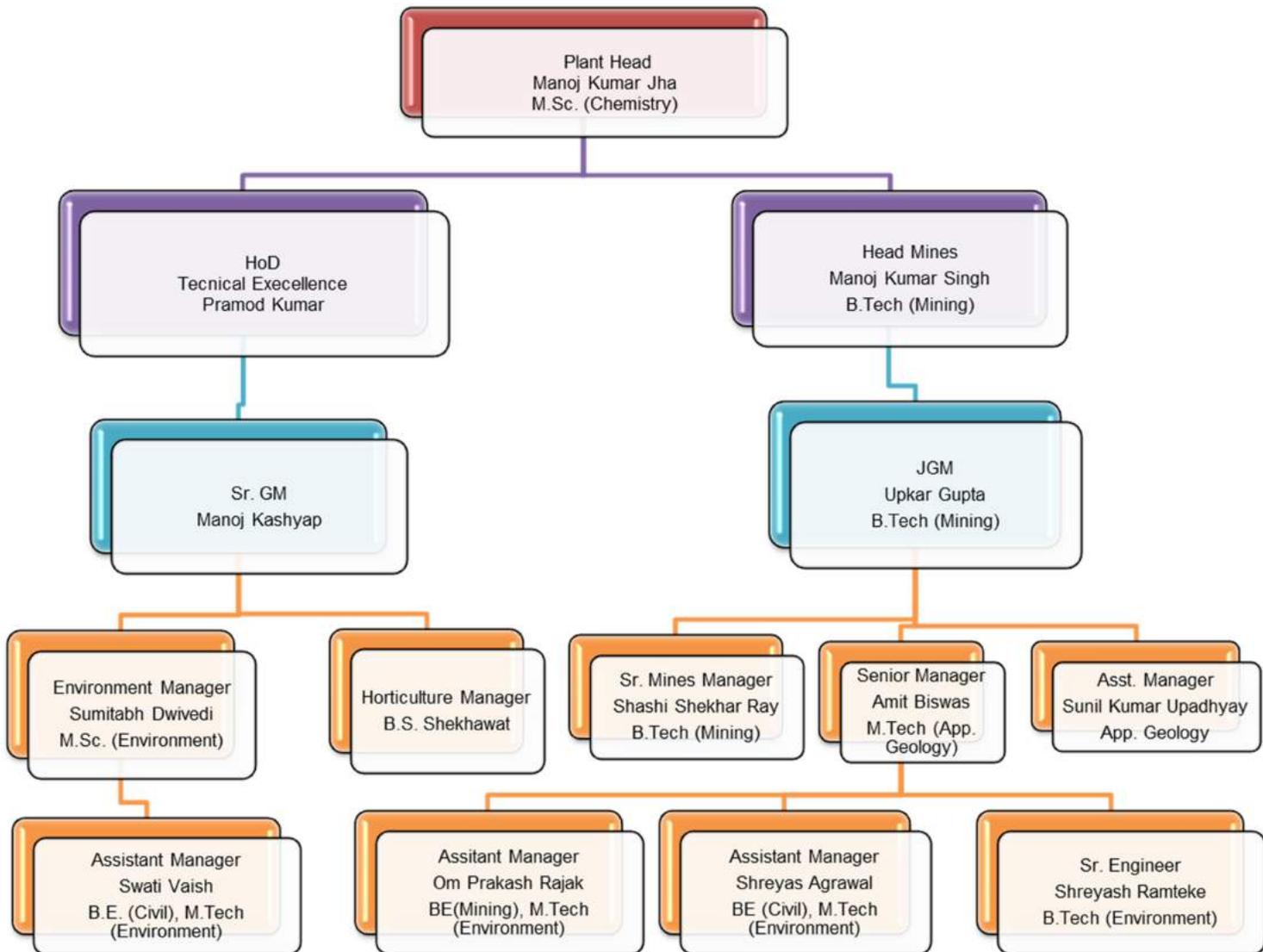
Sl.No	CSR project or activity Identified.	Sector in which the project is covered	Projects or programs		Amount outlay (budget) project or programs wise (Rs. In Lacs)	Amount spent on the projects or programs (Rs. In Lacs)		Cumulative expenditure up to the reporting period	Amount sent: Direct or through implementing agency*	Details of implementing agency*
			(1) Local area or other	(2) Specify the state and district where projects or programs was under taken		(1) Direct expenditure on project or programs	(2) Overheads:			
21	Construction of parapet at Chulhi Culvert	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Malgaon	Satna Madhya Pradesh		0.09	0.09	0.09		
22	Construction of drain along with CC road in front of SBI Mankahari (Continue Work from 18-19)	Rural Infrastructure Development Schedule VII (X)	Gram Panchayat Mankahari	Satna Madhya Pradesh		6.31	6.31	6.31	Direct	
			SUB TOTAL		49.90	16.03	16.03	16.03		
HEALTH & HYGIENE (Health & Hygiene Schedule VII (i))										
1	Organisation of mega medical camp at village Bairiha	Health & Hygiene Schedule VII (i)	Gram Panchayat Bairiha	Satna Madhya Pradesh	0.70	0.00	0.00	0.00		
2	Organisation of mega medical camp at village Majhiyar	Health & Hygiene Schedule VII (i)	Gram Panchayat Majhiyar	Satna Madhya Pradesh	0.70	0.00	0.00	0.00		
3	Organisation of mega medical camp at village Chormari	Health & Hygiene Schedule VII (i)	Gram Panchayat Chormari	Satna Madhya Pradesh	0.70	0.00	0.00	0.00		
4	Organisation of mega medical camp at village Baghai	Health & Hygiene Schedule VII (i)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.70	0.00	0.00	0.00		
5	Organisation of mega medical camp at village Hinauti	Health & Hygiene Schedule VII (i)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.70	0.00	0.00	0.00		
6	Organisation of mega medical camp at village Sijahata	Health & Hygiene Schedule VII (i)	Nearby Gram Sijahata	Satna Madhya Pradesh	0.70	0.00	0.00	0.00		
7	Weekly Mobile health van visit to nearby villages (Approx.1000 patients)	Health & Hygiene Schedule VII (i)	Nearby Gram Panchayat	Satna Madhya Pradesh	9.70	0.00	0.00	0.00	Direct	
8	Medical centre Out door patient to nearby villagers (Approx. 19000 patients)	Health & Hygiene Schedule VII (i)	Nearby Gram Panchayat	Satna Madhya Pradesh		5.42	5.42	5.42	Direct	
9	Organisation eye Camp for cataract patients from nearby villages (20 Nos.)	Health & Hygiene Schedule VII (i)	Nearby Gram Panchayat	Satna Madhya Pradesh	1.70	0.00	0.00	0.00		
10	24 hrs ambulance facility to nearby villagers free of cost. (Approx. 2000 patients)	Health & Hygiene Schedule VII (i)	Gram Panchayat Mankahari	Satna Madhya Pradesh	7.00	3.30	3.30	3.30	Direct	
11	School student health check up at Government Middle School Mankahari	Health & Hygiene Schedule VII (i)	Gram Panchayat Mankahari	Satna Madhya Pradesh	0.10	0.00	0.00	0.00		
12	School student health check up at Government Middle School Narsinghpur	Health & Hygiene Schedule VII (i)	Gram Panchayat Narsinghpur	Satna Madhya Pradesh	0.00	0.00	0.00	0.00		
13	School student health check up at Government Middle School Hinauti	Health & Hygiene Schedule VII (i)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.00	0.00	0.00	0.00		
14	School student health check up at Government Middle School Sijahata	Health & Hygiene Schedule VII (i)	Gram Panchayat Sijahata	Satna Madhya Pradesh	0.00	0.00	0.00	0.00		
15	School student health check up at Government Middle School Baghai	Health & Hygiene Schedule VII (i)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.00	0.00	0.00	0.00		
16	Construction of ODF Toilets at Village Chulhi (10 nos)	Health & Hygiene Schedule VII (i)	Gram Panchayat Malgaon	Satna Madhya Pradesh	2.82	2.64	2.64	2.64	Direct	
17	Construction of ODF Toilets at Village Bairiha (10 nos)	Health & Hygiene Schedule VII (i)	Gram Panchayat Bairiha	Satna Madhya Pradesh	2.82	0.00	0.00	0.00	Direct	
18	Operation & Maintenance of Sulabh Complex at Mahurachh Turning (12 months)	Health & Hygiene Schedule VII (i) (Swatch Bharat Abhiyaan)	Gram Panchayat Mahurachh Kandaila	Satna Madhya Pradesh	0.36	0.15	0.15	0.15	Direct	
19	Construction of ODF Toilets at Baghai village (15 Nos.) (Continue work from 18-19)	Health & Hygiene Schedule VII (i) (Swatch Bharat Abhiyaan)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.00	0.12	0.12	0.12	Direct	
			SUB TOTAL		28.69	11.63	11.63	11.63		

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			(1) Local area or other	(2) Specify the state and district where projects or programs was under taken		(1) Direct expenditure on project or programs	(2) Overheads:			
WATER CONSERVATION & DRINKING WATER (Safe Drinking Water Schedule VII (i))										
1	Providing water tankers for drinking purpose as required (Approx 200 tankers)	Safe Drinking Water Schedule VII (i)	Nearby Gram Panchayat	Satna Madhya Pradesh	5.77	0.77	0.77	0.77	Direct	
2	Operation of water Hut in summer Season at Mahurachh turning. (from Apr to June)	Safe Drinking Water Schedule VII (i)	Gram Panchayat Mahurachh	Satna Madhya Pradesh	0.25	0.24	0.24	0.24	Direct	
3	Operation of water Hut in summer Season at Hinauti Turning (Apr to June)	Safe Drinking Water Schedule VII (i)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.25	0.00	0.00	0.00	Direct	
4	Installation of new Hand pump with bore well at Hinauti	Safe Drinking Water Schedule VII (i)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.65	0.46	0.46	0.46	Direct	
5	Installation of new Hand pump with bore well at Bandarkha	Safe Drinking Water Schedule VII (i)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.65	0.47	0.47	0.47	Direct	
6	Installation of new Hand pump with bore well at Bairiha	Safe Drinking Water Schedule VII (i)	Gram Panchayat Bairiha	Satna Madhya Pradesh	0.65	0.00	0.00	0.00	Direct	
7	Installation of new Hand pump with bore well at Majhiyar	Safe Drinking Water Schedule VII (i)	Gram Panchayat Majhiyar	Satna Madhya Pradesh	0.65	0.00	0.00	0.00	Direct	
8	Installation of new Hand pump with bore well at Chulhi village (02 Nos)	Safe Drinking Water Schedule VII (i)	Gram Panchayat Malgaon	Satna Madhya Pradesh	1.30	0.00	0.00	0.00	Direct	
9	Installation of new Hand pump with bore well near Hanuman Ji temple and Kolan Basti (02 nos.)	Safe Drinking Water Schedule VII (i)	Gram Panchayat Baghai	Satna Madhya Pradesh	1.30	0.00	0.00	0.00	Direct	
			SUB-TOTAL		11.48	1.94	1.94	1.94		
EDUCATION (Promoting Education Schedule VII (ii))										
1	Repairing, maintenance and white wash of Government Middle School building at Bairiha (Approx. 1600 sqft)	Promoting Education Schedule VII (ii)	Gram Panchayat Bairiha	Satna Madhya Pradesh	2.00	0.00	0.00	0.00	Direct	
2	White wash of Government Primary School Majhiyar (Approx. 1200 sqft)	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	1.50	0.12	0.12	0.12	Direct	
3	Construction of boundary wall at Govt. Middle School Chulhi (Approx. 80 meter)	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	4.00	0.12	0.12	0.12	Direct	
4	White wash of Government Middle & Primary School Chormari (Approx. 1200 sqft)	Promoting Education Schedule VII (ii)	Gram Panchayat Chormari	Satna Madhya Pradesh	3.00	0.00	0.00	0.00		
5	White wash of Government Middle & Primary School Bandarkha	Promoting Education Schedule VII (ii)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.00	0.00	0.00	0.00		
6	White wash of Government Middle School Chulhi (Approx. 1200 sqft)	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	1.50	0.04	0.04	0.04	Direct	
7	Electrical fitting at Government Middle School Bairiha	Promoting Education Schedule VII (ii)	Gram Panchayat Bairiha	Satna Madhya Pradesh	0.50	0.00	0.00	0.00		
8	Electrical fitting at Government Primary School Majhiyar	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	0.50	0.00	0.00	0.00		
9	Electrical fitting at of Government Middle School Chulhi	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	0.50	0.00	0.00	0.00		
10	Providing of Dart & Desk table to Government Middle school Chulhi (05 Dari & 43 table)	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	2.00	0.00	0.00	0.00	Direct	
11	Uniform distribution to student of Government Middle school Chulhi (Approx 142 students)	Promoting Education Schedule VII (ii)	Gram Panchayat Malgaon	Satna Madhya Pradesh	1.50	0.00	0.00	0.00	Direct	
12	Providing Desk table to Government Higher Secondary school Bairiha (50 desk table)	Promoting Education Schedule VII (ii)	Gram Panchayat Bairiha	Satna Madhya Pradesh	2.25	0.00	0.00	0.00	Direct	

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			(1) Local area or other	(2) Specify the state and district where projects or programs was under taken		(1) Direct expenditure on project or programs	(2) Overheads:			
13	Wall paintings and slogans writing on walls at nearby villages pertaining to health & hygiene, education, self reliance, empowerment and other awareness themes (200 nos.)	Promoting Education Schedule VII (ii)	Nearby villages	Satna Madhya Pradesh	0.72	0.72	0.72	Direct		
14	Renovation of Anganwadi - 2 At Baghai village (Approx 500 sqft)	Promoting Education Schedule VII (ii)	Gram Panchayat Baghai	Satna Madhya Pradesh	3.05	0.00	0.00	Direct		
15	Repairing & Whitewash of Govt Primary School Barha Tola Sjahata (Continue Work from 18-19)	Promoting Education Schedule VII (ii)	Gram Panchayat Sjahata	Satna Madhya Pradesh	0.00	0.97	0.97	Direct		
16	Repairing and Whitewash of Sardar Patel School Bandarkha (Continue Work from FY 18-19)	Promoting Education Schedule VII (ii)	Gram Panchayat Hinauti	Satna Madhya Pradesh	0.00	0.90	0.90	Direct		
				SUB TOTAL	23.02	2.88	2.88			
ENVIRONMENT CONSERVATION (Environment Conservation Schedule VII (iv))										
1	Installation of 100 tree guards with plants at Bamhauri villages (From July to Oct)	Environment Conservation Schedule VII (iv)	Gram Panchayat Bathiya	Satna Madhya Pradesh	1.50	1.23	1.23	Direct		
2	Survival & Maintenance of plantation at Sjahata & Baghai (For approx. 73150 plants)	Environment Conservation Schedule VII (iv)	Gram Panchayat Sjahata & Baghai	Satna Madhya Pradesh	13.17	5.71	5.71	Direct		
3	Survival & Maintenance and irrigation of Hinauti turning to Hinauti village plantation (For approx. 11000 plants)	Environment Conservation Schedule VII (iv)	Gram Panchayat Hinauti	Satna Madhya Pradesh	4.98	0.84	0.84	Direct		
4	Irrigation of plants in nearby villages	Environment Conservation Schedule VII (iv)	Gram Panchayat Hinauti, Mankahari & Bathiya	Satna Madhya Pradesh		2.73	2.73	Direct		
5	Distribution of fruit plant saplings and plantation at Nearby villages (3000 Plants Between July to Oct)	Environment Conservation Schedule VII (iv)	Nearby Gram Panchayat	Satna Madhya Pradesh	1.26	0.42	0.42	Direct		
6	Construction of 02 water harvesting structures at Bairiha villages	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Bairiha	Satna Madhya Pradesh	0.76	0.73	0.73	Direct		
7	Construction of 02 water harvesting structures at Baghai	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.76	0.38	0.38	Direct		
8	Construction of 02 water harvesting structures at Chulhi	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Chulhi	Satna Madhya Pradesh	0.76	0.00	0.00	Direct		
9	Construction of 02 water harvesting structures at Majhiyar	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Malgaon	Satna Madhya Pradesh	0.76	0.00	0.00	Direct		
10	Construction of 02 water harvesting structures at Bamhauri Bathiya	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Bathiya	Satna Madhya Pradesh	0.76	0.62	0.62	Direct		
11	Deepening of Ponds at Baghai village (Total approx deepening Quantity =12000 cum with 01 signal bore shaft and 01 double bore shaft)	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh		12.34	12.34	Direct		
12	Single bore shaft construction at Baghai Pond	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh	17.16	1.38	1.38	Direct		
13	Double bore shaft construction at Baghai Pond	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh		2.41	2.41	Direct		
14	Deepening of Ponds at Narsinghpur village (01 No.) (Total approx deepening Quantity =9000 cum with 01 signal bore shaft)	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Narsinghpur	Satna Madhya Pradesh	15.48	13.62	13.62	Direct		

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			(1) Local area or other	(2) Specify the state and district where projects or programs was under taken		(1) Direct expenditure on project or programs	(2) Overheads:			
15	Single bore shaft construction at Narsinghpur Pond	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Narsinghpur	Satna Madhya Pradesh		1.56		1.56	Direct	
16	Construction of stop dam at Baghai village at Bairiha Nala near Baghai Village	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh	15.00	0.00		0.00	Direct	
17	Installation of 20 nos solar lights at Baghai village	Environment Conservation Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh	4.00	0.00		0.00	Direct	
18	Installation of 20 nos solar lights at Chulhi village	Environment Conservation Schedule VII (iv)	Gram Panchayat Malgaon	Satna Madhya Pradesh	4.00	2.78		2.78	Direct	
19	Plantation and development of new area at Satari village (Approx 14 acre)	Environment Conservation Schedule VII (iv)	Gram Panchayat Satari	Satna Madhya Pradesh	14.00	6.93		6.93	Direct	
20	Providing & Laying of Hume pipe at newly constructed pond Baghai (Continue work from 18-19)	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.00	0.24		0.24	Direct	
21	Construction of Check Dam at Baghai (Continue Work 18-19)	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Baghai	Satna Madhya Pradesh	0.00	6.11		6.11	Direct	
22	Construction of Drum based Water Harvesting Structure at Narsinghpur, Mankahari (100 Nos.)	Conservation of Natural Resources Schedule VII (iv)	Gram Panchayat Mankahari and Narsinghpur	Satna Madhya Pradesh	0.00	4.36		4.36	Direct	
					94.35	64.35		64.35		
					SUB TOTAL					
1	Training program for driver with license making for at least 200 incumbents (04 Batch of 50 nos.)	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	6.00	0.55		0.55	Direct	Direct
2	Training program for Computer application for 60 students from nearby villages.	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	3.00	3.00		3.00	Through Implementing Agency	Bhavan's Prism School, Prism Johnson Limited, Mankahari, Satna
3	Training program for Stitching for 100 incumbents from nearby villages. (02 Batch of 50 nos.)	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	8.60	0.00		0.00		
4	Training program for Beautician for 100 incumbents from nearby villages. (02 Batch of 50 nos.)	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	4.00	2.20		2.20	Through Implementing Agency	Slim Beauty & Shine Satna (M.P.)
5	Training program for carry bag making for 50 incumbents from nearby villages (01 batch of 50 nos.)	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	1.50	0.00		0.00		
6	Training program for agarbatti making for 50 incumbents from nearby villages (01 batch of 50 incumbents)	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	1.00	0.00		0.00		
7	Training program for candle making for 50 incumbents from nearby villages (01 batch of 50 incumbents)	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	1.00	0.00		0.00		
8	Training program for farmers from nearby villages	Vocational Skill Development Schedule VII (ii)	Nearby Gram Panchayat	Satna Madhya Pradesh	1.00	0.00		0.00		
					26.10	5.75		5.75		
					SUB TOTAL					

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			(1) Local area or other	(2) Specify the state and district where projects or programs was under taken		(1) Direct expenditure on project or programs	(2) Overheads:			
PROMOTION OF SPORT ACTIVITIES (Promotion of Sports Schedule VII (vii))										
1	Construction of Boundary wall at Playground Mankahari village road side (130 meter)	Promotion of Sports Schedule VII (vii)	Gram Panchayat Mankahari	Satna Madhya Pradesh	8.54	0.59		0.59	Direct	
2	Construction of Boundary wall at Playground Baghai village (Approx 83 meter one side)	Promotion of Sports Schedule VII (vii)	Gram Panchayat Baghai	Satna Madhya Pradesh	10.50	0.00		0.00	Direct	
3	Construction of Boundary wall at Playground Mankahari (Continue Work from FY 18-19)	Promotion of Sports Schedule VII (vii)	Gram Panchayat Mankahari	Satna Madhya Pradesh	0.00	0.24		0.24	Direct	
			SUB TOTAL		19.04	0.83		0.83		
SOCIAL WELFARE Social Welfare Schedule VII (iii)										
1	Monthly contribution to Dr. Lalta Prasad Khare public Charitable Trust Nimi Babupur for Maintenance of Old Age home		Gram Panchayat Nimi, Babupur	Satna Madhya Pradesh	6.50	2.50		2.50	Through Implementing Agency	Dr. Lalta Prasad Khare Public Charitable Trust, Nimi Babupur, Satna (M.P.)
2	Flower pot & Plant to District Court Satna (20 nos)		District Court Satna	Satna Madhya Pradesh		0.09		0.09		Direct
3	Financial assistance for treatment to Cancer patients (Ramjeet Saket)		Gram Panchayat Hinauti	Satna Madhya Pradesh		0.50		0.50		Direct
4	Wheel Chairs to Handicapped peoples (35 nos.)		Satna	Satna Madhya Pradesh	5.00	1.50		1.50	Through Implementing Agency	District Rehabilitation Centre, Satna (M.P.)
5	Financial Assistance to Shri Gurudeo Samajik Sanstha Palghar, MH		Palghar	Palghar, Maharashtra		1.75		1.75		
6	50 nos. dustbins provided at Municipal Corporation Chittrakoot on 26.10.2019		Chittrakoot	Satna Madhya Pradesh		0.00		0.00		
			SUB TOTAL		11.50	6.34		6.34		
			GRAND TOTAL		264.08	109.75		109.75		



Environment expenditure 2019 - 20 (April to Sep)

Particulars	Expenditure (In lakh)	Particulars		
		Capital U2	recurring U2	
Capex	Unit - II	Air Pollution	79.9	620.03
5000 MT RCC Silo for Cement storage		Water pollution		5.516
Pay Load tippler for fly ash unloading system at U-1		CEMS & CAAQMS maintenance		13.5
Installation of SNCR in U-2	20.2	Plantation		20.64
Installation of CAAQMS in Mines		Env monitoring & miscllaeous revenue		9.83
		Consent fees		12.62
Stack CEMS Upgradation	0.7	WHRB project		

Motor for mines water pump	
Installation of low NOX Burner U-2	44.6
Dust Collector required At Clinker silo venting U-1	
Replacement of Cement Mill Water pipe Line	
Dewatering Pump	
Ride on road sweeping machine U-1	
Ride on road sweeping machine U-2	14.4
Measurement of Ground water consumption & level Measurement	
Total (A)	79.88

CEMS maintenance	13.50
Plantation	20.64
APCM maintenance & Power	620.04
STP maintenance with Power	5.52
Environmental studies monitoring & Revenue	9.83
Consent fees (Plant- II & Mines)	12.62
Grand Total	762.03

Other project ongoing	
Waste heat recovery based power generation system	



PRISMA CEMENT LIMITED

Works : Villavakkattur, P.O. - Infur, Dist. Salem - 685 111 India
T.E. : 047672 275301-2, 275321-2 E. Fax : 175303
Group Add. : 'Raydees', Revu Road, Salem - 685 001 (India)
Tel. : 047672 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-1101/949/2007-1A-II (I) Date 22.09.2008

With reference to above mentioned subject and letter, we would like to inform you that the date of financial closure / commercial production is 01.01.2011. A certificate in this regard is attached.

Thanking you,

Yours faithfully,
For PRISM CEMENT LIMITED

D.K. Singh
Jt. General Manager (Environment)

Enc: as above

मध्यप्रदेश शासन
जिला व्यापार एवं उद्योग केन्द्र, सतना

क्रमांक/जिब्याउके-सत/बृहद उद्योग/2011/

सतना, दिनांक :-

उत्पादन प्रमाण पत्र

प्रमाणित किया जाता है कि मेसर्स प्रिज्म सीमेंट यूनिट- 2 (ए यूनिट आफ प्रिज्म सीमेंट लि0) ग्राम मनकहरी पो0 बठिया जिला-सतना (म0प्र0) को भारत सरकार उद्योग मंत्रालय से आईटीईएम0 पार्ट बी जारी किया गया है जिसका नं0 3406/ आईआईएम/ पीआरओडी/2011 न्यू देहली दिनांक 27-1-11 है। इसमें वर्णित उत्पाद का नाम वार्षिक स्थापित क्षमता एवं उत्पादन दिनांक निम्नानुसार है :-

क्र0	आइटम कोड	उत्पाद का नाम	स्टाल कैपिसिटी	व्यवसायिक उत्पादन दिनांक
1-	3242	आल वैसाइटीज आफ पोर्टलैण्ड सीमेंट	3600000 टन	1-1-2011
2-	3241	सीमेंट क्लिंकर	2300000 टन	1-1-2011

उपरोक्तानुसार एवं इकाई द्वारा प्रस्तुत किये गये अभिलेखों के आधार पर सीमेंट क्लिंकर की वार्षिक उत्पादन क्षमता 2300000 टन एवं आल वैसाइटीज आफ पोर्टलैण्ड सीमेंट की वार्षिक उत्पादन क्षमता 3600000 टन के लिये, व्यवसायिक उत्पादन दिनांक 1-1-2011 है।

— S J —
महाप्रबंधक

जिला व्यापार एवं उद्योग केन्द्र,
सतना(म0प्र0)

क्रमांक/जिब्याउके-सत/बृहद उद्योग/2011/ 6575-
प्रतिलिपि :-

सतना, दिनांक :- 31/3/11

मेसर्स प्रिज्म सीमेंट यूनिट- 2 (ए यूनिट आफ प्रिज्म सीमेंट लि0) ग्राम मनकहरी पो0 बठिया जिला-सतना (म0प्र0)।

— S J —
महाप्रबंधक
जिला व्यापार एवं उद्योग केन्द्र,
सतना(म0प्र0)
जिला व्यापार एवं उद्योग केन्द्र,
सतना (म0प्र0)

Advertisements given in Newspapers regarding information of Public Hearing.

नव स्वदेश, दिनांक 25-07-2008
सतना

आम सूचना

सर्वसाधारण को यह सूचित किया जाता है कि प्रिज्म सीमेंट (यूनिट-II) क्लिंकर प्रोडक्शन 3.0MTPA, सीमेंट प्रोडक्शन 6.7MTPA और माइन्स (हिनीती और सिजहटा 772.067 हे., हिनीती और सिजहटा 99.416 हे., मेढी 117.594 हे. और बगहाई - 512.317 हे.) मनकहरी, पोस्ट-बठिया जिला सतना (म.प्र.) का पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की वेब साइट [Ltp://entor.nic.in](http://entor.nic.in) पर उपलब्ध है।

सीएम 3630

देशबन्धु, सतना
दिनांक 25-07-2008

आम सूचना

सर्व साधारण को यह सूचित किया जाता है कि प्रिज्म सीमेंट (यूनिट-II) क्लिंकर प्रोडक्शन 3.0 एम टी पी ए, सीमेंट प्रोडक्शन 6.7 एम टी पी ए और माइन्स (हिनीती और सिजहटा 772.067 हे., हिनीती और सिजहटा 99.416 हे., मेढी 117.594 हे. और बगहाई 512.317 हे.) मनकहरी, पोस्ट बठिया जिला सतना (म.प्र.) का पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की वेब साइट <http://entor.nic.in> पर उपलब्ध है।

प्रबंधक
प्रिज्म सीमेंट लि.
मनकहरी, जिला सतना म.प्र.