



दूर की सोच®  
Date: 01/06/2022

Through E-mail

MIN/2022-BDR/31

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

Sub: - Six monthly compliance report of environment clearance over 40.236 ha area of Limestone Mine of M/s Prism Johnson Ltd. in Village Bandarakha, Tehsil Rampur Baghelan, Dist. Satna (M.P.).

Ref: - Your letter No.3080/SEIAA/13 dated 20/08/2013.

Dear Sir,

This is in reference to the above we are enclosing herewith the six-monthly compliance report (period October 2021 to March 2022) of the environmental clearance granted over 40.236 ha area for limestone deposit at Village Bandarakha, Tehsil Rampur Baghelan, Dist. Satna (M.P.) vide letter no. 3080/SEIAA/13 dated 20/08/2013, along with necessary enclosures.

We Hope you will find the same in order.

Thanking you.

Yours faithfully,  
For Prism Johnson Limited

Mines Manager  
Bandarakha Limestone Mines

Encl.: As above

**PRISM JOHNSON 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: L26942TG1992PLCO14033



**COMPLIANCE OF CONDITIONS AS STIPULATED BY MoEF LETTER VIDE NO. 3080/SEIAA/13, DATED 20.03.2013, LIMESTONE DEPOSIT OVER 40.236 HECT. AREA IN VILLAGE BANDARAKHA, TEHSIL RAMPUR BAGHELAN, DIST. SATNA (M.P.)**


<b>A. Specific Conditions :-</b>		
	<b>Conditions</b>	<b>Compliance status</b>
1.	If the land belongs to the tribal person the Collector shall ensure that the tribal person gets compensation as per rule 72 of the Mineral Concession Rule 1960 and his interests are safeguarded as per State plicy.	The land of the core area is devoid of any tribal person, therefore not applicable.
2.	Controlled blasting will be done as per guidelines of IBM; delay detonating technique will be adopted and down hole initiation system will be adopted.	Controlled blasting is being practiced using delay detonators and down the hole initiation system.
3.	All pollution control devices will be installed as per guidelines of CPCB/MPPCB.	Air, Noise & Water Quality is being monitored regularly and found within the limit. Ambient Air quality and Noise quality data attached as <b>Annexure- 2 &amp; 3</b>
4.	Appropriate measures to control the silt shall be taken and reported to avoid the possible disturbance of aquatic eco system of river Tamas.	Garland drain and siltation pond have been constructed to arrest the silt and sediment flow
5.	Dense plantation all along the transportation road has to be taken up immediately	Extensive plantation is being done along the road.
6.	Mine wise production record shall be maintained at site.	Mine production is being maintained. Mining is being carried out as per approved Mining Plan.
7.	The water reservoir as proposed in 21.12 ha shall be fenced and aesthetically developed.	Will be developed as per approved mining plan and scheme of mining by IBM. Fencing is done around mine boundary.
8.	Afforestation on 17 Ha area with minimum 17,020 numbers of trees as proposed shall be taken up with mining.	Plantation is being done in phase manner annually. Total of 5000 Plantation has been done on 3.20 Ha area till 2021-22, out of which 3145 are remaining due to free cattle and Covid-19 Pandemic.  30,000 no.s of substitute plantation on 14 acre area has been done at Satari village


<b>B. GENERAL CONDITIONS:-</b>		
	<b>Conditions</b>	<b>Compliance status</b>
1.	Any addition of mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again require prior	No changes have been made. Will be complied, if any change is proposed.

	environment clearance as per EIA notification, 2006.																																			
2.	All activities / mitigate measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.	<p>All types of mitigation measures are taken by us as per proposed plan and are mentioned below:</p> <table border="1" data-bbox="879 405 1458 1968"> <thead> <tr> <th colspan="2" data-bbox="879 405 1458 517"><b>Mitigation Measures as per REIA</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="879 517 943 595">1</td> <td data-bbox="943 517 1458 595">Wet Drilling or dry drilling with in-built cyclone and bag filter arrangement is being deployed.</td> </tr> <tr> <td data-bbox="879 595 943 674">2</td> <td data-bbox="943 595 1458 674">Water is sprayed on haul roads using water tanker.</td> </tr> <tr> <td data-bbox="879 674 943 792">3</td> <td data-bbox="943 674 1458 792">Maintenance and PUC of vehicles is done regularly to prevent air pollution, smoke and gaseous pollution.</td> </tr> <tr> <td data-bbox="879 792 943 871">4</td> <td data-bbox="943 792 1458 871">Teeth of shovel are kept sharpened to avoid dust emission.</td> </tr> <tr> <td data-bbox="879 871 943 949">5</td> <td data-bbox="943 871 1458 949">Plantation is done in phase manner to prevent dust, smoke etc.</td> </tr> <tr> <td data-bbox="879 949 943 1028">7</td> <td data-bbox="943 949 1458 1028">Plantation is done on dumps for slope stabilization.</td> </tr> <tr> <td data-bbox="879 1028 943 1146">8</td> <td data-bbox="943 1028 1458 1146">Controlled blasting with down the hole initiation is adopted which produces less noise, vibration and better fragmentation.</td> </tr> <tr> <td data-bbox="879 1146 943 1225">9</td> <td data-bbox="943 1146 1458 1225">NONEL system of initiation is followed to minimize noise.</td> </tr> <tr> <td data-bbox="879 1225 943 1303">10</td> <td data-bbox="943 1225 1458 1303">No. of blast holes per day are kept to a minimum.</td> </tr> <tr> <td data-bbox="879 1303 943 1382">11</td> <td data-bbox="943 1303 1458 1382">PPEs are distributed to workers for their safety.</td> </tr> <tr> <td data-bbox="879 1382 943 1460">12</td> <td data-bbox="943 1382 1458 1460">Appropriate subgrade drilling is being followed.</td> </tr> <tr> <td data-bbox="879 1460 943 1538">13</td> <td data-bbox="943 1460 1458 1538">Pattern blasting is being practiced which produces less noise and vibration.</td> </tr> <tr> <td data-bbox="879 1538 943 1657">14</td> <td data-bbox="943 1538 1458 1657">Physical barriers such as OB dumps and green belt are developed to prevent noise from going outside.</td> </tr> <tr> <td data-bbox="879 1657 943 1776">15</td> <td data-bbox="943 1657 1458 1776">Garland drains and siltation tank have been constructed to prevent water pollution and in-rush of water.</td> </tr> <tr> <td data-bbox="879 1776 943 1854">16</td> <td data-bbox="943 1776 1458 1854">Water is discharged into adjoining pit after treatment with the settling pond.</td> </tr> <tr> <td data-bbox="879 1854 943 1968">17</td> <td data-bbox="943 1854 1458 1968">Extensive plantation is being carried out around the lease periphery and Tamas River side to prevent air and noise pollution.</td> </tr> </tbody> </table>	<b>Mitigation Measures as per REIA</b>		1	Wet Drilling or dry drilling with in-built cyclone and bag filter arrangement is being deployed.	2	Water is sprayed on haul roads using water tanker.	3	Maintenance and PUC of vehicles is done regularly to prevent air pollution, smoke and gaseous pollution.	4	Teeth of shovel are kept sharpened to avoid dust emission.	5	Plantation is done in phase manner to prevent dust, smoke etc.	7	Plantation is done on dumps for slope stabilization.	8	Controlled blasting with down the hole initiation is adopted which produces less noise, vibration and better fragmentation.	9	NONEL system of initiation is followed to minimize noise.	10	No. of blast holes per day are kept to a minimum.	11	PPEs are distributed to workers for their safety.	12	Appropriate subgrade drilling is being followed.	13	Pattern blasting is being practiced which produces less noise and vibration.	14	Physical barriers such as OB dumps and green belt are developed to prevent noise from going outside.	15	Garland drains and siltation tank have been constructed to prevent water pollution and in-rush of water.	16	Water is discharged into adjoining pit after treatment with the settling pond.	17	Extensive plantation is being carried out around the lease periphery and Tamas River side to prevent air and noise pollution.
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			distance between the lease and village. Trees are being planted on both sides of the approach roads.
		3	Regular maintenance and lubrication of machineries is done.
		4	PPEs like ear plugs are provided to the workers and employees.
		5	Controlled blasting with muffles are used to minimize noise.
		<b>Water Environment</b>	
		1	To reduce suspended solids, coming to mine pits, garland drains are being constructed at around the pit and around the dumps also. All garland drains are connected to the settling tank and the water is being used for dust suppression.
		2	Mine has started its production recently. No area at the pit bottom is completely excavated out till now. The Sump will be developed in due course of time. A siltation pond has already been constructed at earmarked location.
		3	Garland drains are regularly de-silted.
		<b>Land Environment and Solid Waste Management</b>	
		1	Dumps are stabilised by plantation on slopes.
		2	Plantation is being carried on in phase manner. Total 5000 plants have been planted on 3.2 ha area. After field visit it was found that 3145 no. of plants have survived due to free cattle and Covid-19 pandemic. 30,000 no.s of substitute plantation on 14 acre area has been done at Satari village.
		<b>Biological Environment</b>	
		1	Fast growing plants are used.
		2	It has been observed that the species forms dense canopy once grown.
		3	All the species planted are local species.


		
4.	All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.	Monitoring is being done at designated locations and analysis report is being submitted to MPPCB on monthly basis.
5.	Blast vibration study shall be conducted and submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within six months. The study shall also provide measures for prevention of blasting associated impact on nearby houses and agricultural fields.	The Blast vibration study has been conducted by AKS University Satna. The recommended blast designs in the report are being followed for day-to-day blasting operations for safe and efficient blasting operations.
6.	Controlled blasting techniques with sequential drilling shall be adopted. The blasting shall be carried out in the day time only.	We practice controlled blasting using Non electric delay detonators (Nonel), limiting charge per delay and blast size. Moreover, periodical blasting study is conducted by scientific bodies, like AKS University, to evaluate and establish the safe practice of blasting so as to eliminate/minimise any adverse impact of blasting in nearby surrounding area.  All the suggestion and finding of study are implemented and all the provisions of applicable statutes and all directions/guidelines of approving authorities, like DGMS, IBM are strictly followed.
7.	Slope of mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.	Mining benches and ultimate pit limit shall be maintained as per mining scheme approved by Indian Bureau of Mines for ensuing period.
8.	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within 5 years in advance of final mine closure for approval.	Agreed. We will Submit as per stipulation.

9.	No change in calendar plan including excavation, quantum of mineral and waste shall be made.	No changes have been made.
10.	Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental clearance given by SEIAA will be stand cancelled.	Mining is being carried out as per the approved mining plan by IBM.
11.	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	NOT APPLICABLE. The deposit is single mineral deposit hence, condition not applicable.
12.	The transportation of the minerals extracted from the mining area shall be limited to day hour time only.	Limestone Mineral is strictly transported during day hours only.
13.	Maintenance of nearby local roads through which transportation of minerals are undertaken shall be carried out by company regularly at its own expenses. The roads shall be blacked topped.	All transportation is through internal roads which are motorable, rehabilitated with stone chips and stone dust on regular basis. No local roads are being used for mineral transportation and, the roads are maintained regularly.
14.	Measures of prevention and control of soil erosion and management of slit shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable mineral and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	Soil and waste dumps are stacked as per approved scheme of mining and are protected from erosion by carrying out suitable plantation, construction of toe drains and retaining wall. Also, no permanent dumps are present and temporary dumps will be used for backfilling. 



		
15.	<p>Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of check dams and gully plugs shall be constructed across seasonal/perennial Nallahs, if any, flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.</p>	<p>Trenches/garland drains are being constructed at foot of dumps and these drains connect to settling pond which is de-silted at regular intervals.</p> <p>There is no water body, streams exist within the ML area neither seasonal nor perennial. The water discharge from the mine is nil. Siltation pond has been constructed to arrest the silt.</p> 
16.	<p>The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.</p>	<p>Proper berms garland drains and fencing are constructed around mine pit area and garland drains with retaining wall have been provided.</p> 
17.	<p>Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (where ever applicable) for reclamation and rehabilitation of mined out area. Top soil shall</p>	<p>Top soil/ solid waste generated during mining is stacked separately &amp; will be used for reclamation of mined out area by spreading it over the waste rock after backfilling. Dumps are maintained as per</p>



	be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.	mine plan. Dumps are temporary. The top soil is being used for greenbelt development. The stored soil will also used for plantation in barrier zones and over backfilled area to be developed in future.													
18.	Over burden(OB)shall be stacked at earmarked dumpsite(s) only and shall not be kept active for long period., The maximum height of dump shall not exceed 20m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled and shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.	<p>The Overburden generated during mining has been stacked at earmarked dump site only and is being stacked in 1 or 2 stages, height of each stack not exceeding 10m and slope not exceeding 35°. The dumps shall be backfilled as approved mine plan by IBM. Plantation is being done on dumps for slope stabilization and to prevent surface runoff.</p> 													
19.	Minimum 1000 plants shall be planted in one year and 5000 plants shall be planted in first five years.	<p>Plantation is being done in phase manner annually. Total of 5000 Plantation has been done on 3.20 Ha area till 2021-22, out of which 3145 are remaining due to free cattle and Covid-19 Pandemic.</p> <p>30,000 no.s of substitute plantation on 14 acre area has been done at Satri village.</p>													
20.	Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB on six monthly basis.	<p>Requirement is being complied. The compliance report are being sent every six months to the Regional Office, MoEF, Gol, Bhopal and MPPCB.</p> <table border="1" data-bbox="865 1691 1465 1993"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">Bandarkha Limestone Mine</th> </tr> <tr> <th>Dispatch no.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td rowspan="2">2019</td> <td>MIN/2019/ BDR/038</td> <td>01.06.2019</td> </tr> <tr> <td>MIN/2019- BDR/90</td> <td>04.12.2019</td> </tr> <tr> <td>2020</td> <td>MIN/2020- BDR/0140</td> <td>01.06.2020</td> </tr> </tbody> </table>	Year	Bandarkha Limestone Mine		Dispatch no.	Date	2019	MIN/2019/ BDR/038	01.06.2019	MIN/2019- BDR/90	04.12.2019	2020	MIN/2020- BDR/0140	01.06.2020
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21.	By the end of the lease period 33% of the area should be brought under plantation.	Out of 32.15 Ha. of broken area, 10.75 Ha will be reclaimed and rehabilitated by way of backfilling and plantation at the end of life of the mines.																						
22.	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with local DFO/Agricultural Deptt. Herbs / shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB every year.	Greenbelt is being developed in phased manner. All plants species are selected on recommendations of District Forest Officer and local villagers. The compliance report are being sent every six months to the Regional Office, MoEF, Gol, Bhopal and MPPCB.																						
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23.	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules,1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The truck transporting minerals shall not pass through wild life sanctuary, if any in the study area.	<p>Emission from the vehicles engaged in the Prism Cement is kept under control.</p> <p>A centralized diesel workshop has been established. Regular maintenance of all vehicles is done as per manufacturer's maintenance schedule i.e. changing of timely diesel filters, calibration of Fuel pump, overhauling of engines etc.</p> <p>No vehicles without valid PUC area allowed to be deployed inside the plant and mines area. The vehicles engaged in transportation of minerals outside the core zone will be provided with tarpaulin and overloading is not allowed.</p>																						
24.	For ambient air quality monitoring stations	Ambient air quality monitoring for the given																						

	shall be established in core zone as well as in the buffer zone for RSPM,SPM,SO2,NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded and displayed on the company's website.	parameters will be done as per the directions given and data generated is being uploaded on company website.																				
25.	Data on ambient air quality (RPM, SPM, SO2, and NOx) should be regularly submitted to the Regional Office, MoEF, Gol, Bhopal and state Pollution Control Board / Central pollution control Board once in six months.	<p>Being done.</p> <p>The compliance report are being sent every six months to the Regional Office, MoEF, Gol, Bhopal and MPPCB. Ambient air quality monitoring results from April 2021 to March 2022 have been given in <b>Annexure 02.</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">Bandarkha Limestone Mine</th> </tr> <tr> <th>Dispatch no.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td rowspan="2">2019</td> <td>MIN/2019/ BDR/038</td> <td>01.06.2019</td> </tr> <tr> <td>MIN/2019- BDR/90</td> <td>04.12.2019</td> </tr> <tr> <td rowspan="2">2020</td> <td>MIN/2020- BDR/0140</td> <td>01.06.2020</td> </tr> <tr> <td>MIN/2020- BDR/0169</td> <td>02.12.2020</td> </tr> <tr> <td rowspan="2">2021</td> <td>MIN/2021- BDR/087</td> <td>01.06.2021</td> </tr> <tr> <td>MIN/2021- BDR/058</td> <td>01.12.2021</td> </tr> </tbody> </table>	Year	Bandarkha Limestone Mine		Dispatch no.	Date	2019	MIN/2019/ BDR/038	01.06.2019	MIN/2019- BDR/90	04.12.2019	2020	MIN/2020- BDR/0140	01.06.2020	MIN/2020- BDR/0169	02.12.2020	2021	MIN/2021- BDR/087	01.06.2021	MIN/2021- BDR/058	01.12.2021
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26.	Ambient air quality at the boundary of mine premises shall conform to the norms prescribed in MoEF notification No. GSR/826(E) dtd. 16.11.09.	Being complied. All Air quality parameters monitored are below NAAQS standards. Ambient air quality monitoring results from October 2021 to March 2022 are attached as <b>Annexure 2.</b>																				
27.	Fugitive dust emissions from all sources shall be controlled. Water spraying arrangement on haul, roads, loading and unloading at transfer points shall be provided and properly maintained. The dust emission shall be monitored regularly as per norms and records	Water sprinkling is being done on haul roads for dust suppression. Wet drilling is being practiced. Vehicle speed is limited below 20 km/hr. Regular monitoring of dust emission is being done through NABL/ MoEFCC accredited laboratory. Dust																				

	to be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB regularly.	emission norms are being complied and the report is being submitted.  The compliance report are being sent every six months to the Regional Office, MoEF, Gol, Bhopal and MPPCB.
28.	Measures shall be taken control of noise level below 75dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs/muffs and health records of workers shall be maintained.	Ambient Noise level is monitored at designated locations and report is being submitted to MPPCB on monthly basis. Noise monitoring reports from October 2021 to March 2022 have been given in <b>Annexure- 3</b> .  All the workers engaged in mining activity shall be provided the PPEs including ear plugs and muffs and health checkup is being done and records being maintained.
29.	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within six months and thereafter every year from the next consequent year.	Rainwater harvesting practices have been implemented. 12 Nos of rooftop rainwater harvesting system, 4 abandoned pits and 4 nos of recharge pits have been constructed inside plant, mines and township.  Other than this, the company has taken various initiatives like, construction of water harvesting structures on wells, ponds, pond deepening, maintenance of check dams, perforated drum water harvesting stuctures.
30.	Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried four times a year i.e. pre-monsoon (April-May) ,Monsoon (August), Post monsoon (November) and winter(January) and the data thus collected shall be regularly sent to the Regional Office, MoEF, Gol, Bhopal and MP PCB ,Central Ground Water Authority and Regional Director , Central Ground Water Board.	Piezometers have been constructed to monitor ground level. Water level and quality is analyzed in Pre - Monsoon, Monsoon, Post Monsoon, and winter seasons. Report of monitoring is generated and submitted to MoEF&CC Bhopal, MPPCB, and CGWA & CGWB. Groundwater quality report is attached is <b>Annexure- 4</b>  Since the mine working is restricted above the ground water table, there is no chance of contamination of ground water.
31.	The waste water from the mine if any shall be treated to confirm to the standards prescribed	Not Applicable.

	<p>under GSR 422(E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The oil and grease trap shall be installed for the effluents generated from the workshop, if any, before discharging into the natural stream. The discharged water from tailing dam, if any shall be regularly monitored and report submitted to the Regional Office, MoEF, Gol, Bhopal, Central Pollution Control Board, and the State Pollution Control Board.</p>	<p>No workshop in lease area, we have a common workshop for all leases with appropriate arrangements.</p>
32.	<p>Hydro-geological study of the area shall be reviewed by project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.</p>	<p>The hydrogeological study of the area is conducted regularly.</p> <p>Excavation of limestone is proposed up to only 16m and currently we are working at a depth of 10m to 14m only. Water table will not be intersected.</p> <p>Regular monitoring if groundwater is carried out via piezometers.</p>
33.	<p>Occupational health checkup for workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipment etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required. It should be made available for inspection whenever asked. Necessary funds for this also should be earmarked.</p>	<p>Periodical Medical Examinations are conducted for each employee by outside specialists once in every 5 years. Under this scheme each employee undergoes Pathological tests, blood group test, chest X-Rays, Audiometry tests, eye test etc. once every 5 years. Proper records of such tests are maintained.</p> <p>All the workers engaged in mining activity is provided with the PPEs including ear plugs and muffs and health checkup is being done and records being maintained.</p> <p>Awareness training programs related to health and safety is given to all workers at VT centre.</p>
34.	<p>Project proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.</p>	<p>Appropriate arrangements shelter and drinking water is provided in the adjacent mine for all the mine workers. Drinking water is supplied through 20Litre capacity thermo flasks</p>

35.	Person working in dusty areas shall be provided with protective respiratory devices and they shall also be imported adequate training and information on safety and health aspects.	<p>PPE's are provided to each employees.</p> <p>Respiratory devices are being used by the persons working in dusty areas.</p> <p>Adequate training on Integrated Management system, safety and health awareness is being provided to workers frequently.</p>
36.	Commitment towards CSR has to be followed strictly.	<p>Being followed. Various programs for training for community welfare has been taken up by the company. Various social, educational, healthcare and environment initiatives have been taken by the company. Drinking water facility has been provided; Construction of WBM roads, Toilets have been done. Installation of new hand-pumps with borewell, whitewash of Government Middle &amp; Primary School, renovation of Bahuuddeshiya Bhavan has been done. Free consultation &amp; medicines distribution from PCL Medical centre Out door patient to nearby villagers (Attended 25773 patients from Apr to Mar-20). Organisation eye Camp for cataract patients from nearby villages (20 Nos.). 24 hrs ambulance facility to nearby villagers free of cost. (Attended 1800 patients from Apr to Mar - 20) and many other activities have been undertaken in CSR.</p>
37.	Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.	<p>There is no nearby settlement in the close vicinity to the mines. the nearest settlement is more than 250m away. All measures is being adopted while mining as per guidelines of MMR 1961 and Mines Act 1952 and as per the benefit of the community.</p>
38.	The project proponent shall inform to the to the Regional Office, MoEF, Gol, Bhopal and MP PCB regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<p>The intimation has been sent to MoEF Gol, Bhopal and MPPCB regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work after the start of the project.</p>
39.	The necessary funds as per mandate shall kept for environmental protective measures which should be kept in separate account and	<p>Complying with the given condition, we have earmarked a fund for environmental protection equipment the fund will not</p>

shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional Office, MoEF, Gol, Bhopal and MP PCB.

diverted for any other purpose.

The capital cost and recurring cost annum earmarked for environmental protection is given below:

Year wise expenditure is being reported through the six monthly compliance report.

S. No.	Particulars	Proposed Capital cost	Proposed Annual recurring cost*
1.	Pollution Control	4.19	0.23
2.	Pollution Monitoring	-	2
3.	Occupational Health & Safety	-	1.31
4.	Afforestation	-	1.4
5.	Reclamation / Rehabilitation of mined out area	0	3
6.	Others ( Fencing and safety)	5.76	-
7.	Environmental Studies & Fees	0.8	0.44
<b>Total</b>		<b>10.75</b>	<b>8.38</b>

(in Lac Rupees)

40. The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment impact Assessment Report, Environmental Management Plan, public Hearing and other relevant documents should be given to the Regional Office, MoEF, Gol, Bhopal and MP PCB.

Agreed. The Six monthly Compliance is being submitted to MoEFCC, Bhopal and MPPCB regularly and the same is being monitored as per the norms. The reference letter nos are mentioned in table below:

Year	Bandarkha Limestone Mine	
	Dispatch no.	Date



		2019	MIN/2019/ BDR/038	01.06.2019
			MIN/2019- BDR/90	04.12.2019
		2020	MIN/2020- BDR/0140	01.06.2020
			MIN/2020- BDR/0169	02.12.2020
		2021	MIN/2021- BDR/087	01.06.2021
			MIN/2021- BDR/058	01.12.2021
41.	A copy of the environmental clearance shall be submitted by the project proponent to the Heads of the local Bodies, Panchayat and Municipal Bodies, as applicable, in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.	A copy of the environmental clearance already has been submitted to Panchayat and SDO Office, Rampur Baghelan.		
42.	The project proponent 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 website of State Level Environment Impact Assessment Authority (SEIAA) website at <a href="http://www.mpseiaa.nic.in">www.mpseiaa.nic.in</a> and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.	Complied. News of accorded EC was published in two newspapers on 02.04.13.		
43.	The project proponent has to strictly follow directions/guideline issued by MoEF, Gol, CPCB and other Govt. agencies from time to time.	Agreed.		
44.	Action plan with respect to suggestion/ improvement and recommendations made and agreed during public hearing consultation shall be submitted to the regional Office, , MoEF, Gol, Bhopal and MP PCB and to the competent authority of state govt. within six months.	Complied. Status of suggestions and recommendations received during public hearing is enclosed as <b>Annexure- 1</b> .		
45.	The project proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the regulatory	The six monthly Compliance report is submitted twice every year. The reference letter nos are mentioned in table below:		

	Authority on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	Year	<b>Bandarkha Limestone Mine</b>	
			Dispatch no.	Date
		2019	MIN/2019/ BDR/038	01.06.2019
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		2021	MIN/2021- BDR/087	01.06.2021
			MIN/2021- BDR/058	01.12.2021
46.	The SEIAA of MP reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the environment clearance under the provisions of the environmental (protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed.		
47.	These stipulations would be enforced among others under the provisions of water(Prevention and control of pollution) act,1974,the air(Prevention and control of pollution) Act 1981,the Environment(Protection) Act,1986 the public Liability (insurance) Act 1991 and EIA Notification,2006.	Agreed.		
48.	The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment Protection.	Agreed.		
49.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may results In withdrawal of this clearance and attract action under the provisions of environment (protection) Act, 1986.	We understand that concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may results In withdrawal of this clearance and attract action under the provisions of environment (protection) Act, 1986.		
50.	Any appeal against this prior. Environmental	Agreed.		

	Clearance shall lie with the green tribunal, If necessary, within a period of 30 days as prescribed under section 16 of the national Green tribunal Act, 2010.																					
51.	All other statutory clearances such as the approvals for storage of diesel from chief controller of explosives, fire department, civil aviation department, Forest conservation act, 1980 and wildlife (protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective component authorities.	Not applicable.																				
52.	The proponent shall upload the status of compliances of stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM,SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projected shall be monitored and displayed at a convenient location near the main gate of the company In the public domain.	<p>The six-monthly EC compliance report is being uploaded on company website.</p> <p>The six monthly Compliance report is submitted twice every year to the regional office of MoEF, the respective zonal office of CPCB and the SPCB.. The reference letter nos are mentioned in table below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">Bandarkha Limestone Mine</th> </tr> <tr> <th>Dispatch no.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td rowspan="2">2019</td> <td>MIN/2019/ BDR/038</td> <td>01.06.2019</td> </tr> <tr> <td>MIN/2019- BDR/90</td> <td>04.12.2019</td> </tr> <tr> <td rowspan="2">2020</td> <td>MIN/2020- BDR/0140</td> <td>01.06.2020</td> </tr> <tr> <td>MIN/2020- BDR/0169</td> <td>02.12.2020</td> </tr> <tr> <td rowspan="2">2021</td> <td>MIN/2021- BDR/087</td> <td>01.06.2021</td> </tr> <tr> <td>MIN/2021- BDR/058</td> <td>01.12.2021</td> </tr> </tbody> </table>	Year	Bandarkha Limestone Mine		Dispatch no.	Date	2019	MIN/2019/ BDR/038	01.06.2019	MIN/2019- BDR/90	04.12.2019	2020	MIN/2020- BDR/0140	01.06.2020	MIN/2020- BDR/0169	02.12.2020	2021	MIN/2021- BDR/087	01.06.2021	MIN/2021- BDR/058	01.12.2021
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53.	The environmental statement for each financial Year ending 31st march in form-V as is mandated to be submitted by the project proponent to the Concerned state pollution control board as Prescribed under the environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliances of EC condition and shall also be sent to the regional office of MoEF.	The environmental statement for financial Year has been submitted to MPPCB on 25 September 2021 Vid letter no. PJI/ENV/2021/405.																				

Suggestions received during Public Hearing of 40.236 Ha Badarkha Limestone Mines of M/s Prism Cement Limited at Govt. Primary Shala, Badarkha Dated 07.07.2012

S. No	Name and Address	Query	Reply
1	Shri Chhatrapati Singh, President, Seva Sahkari Samiti Vill-Sijahata	Agree with project implementation, development of the area will take place, social status of general public of the area will be improved	Thanks for your co-operation, employment will be given according to eligibility & requirement
2	Smt. Shanti Kori, Sarpanch, Vill - Himant, Dist - Satna	Requested for employment to villagers, plantation, requested the villagers to cooperate the company in establishing the mines	Thanks for your co-operation. Dense plantation will be done in mines periphery, employment will be given according to eligibility & requirement
3	Shri Jagdish Singh S/O Sukhdev Singh Vill-Badarkha, Distt - Satna	Area will be developed, employment will be given to villagers, no objection in establishing mines	Thanks for your co-operation, employment will be given according to eligibility & requirement
4	Shri Mohit Singh, S/O Shri Ram Charit Singh Vill- Badarkha, Distt - Satna	Area will be developed, employment will be given to villagers	Thanks for your co-operation, employment will be given according to eligibility & requirement
5	Shri Rohini Singh, Vill - Badarkha, Distt - Satna	Agree with project implementation, Area will be developed, employment will be given to villagers	Thanks for your co-operation, employment will be given according to eligibility & requirement
6	Shri Ganesh Singh, Vill - Badarkha, Distt - Satna	Agree with project implementation, Area will be developed, employment will be given to villagers	Thanks for your co-operation, employment will be given according to eligibility & requirement
7	Shri Ramesh Singh, Vill - Badarkha, Distt - Satna	Agree with project implementation, Area will be developed, employment will be given to villagers	Thanks for your co-operation, employment will be given according to eligibility & requirement
8	Shri Hari Shankar Tiwari, Vill - Mau, Distt - Rewa	<ol style="list-style-type: none"> <li>1- Noise Pollution due to blasting – hearing impairment, mental ill health etc.</li> <li>2- Air pollution due to Blasting, cement manufacturing process</li> <li>3- Increase of pollutant matter in air</li> <li>4- Water pollution due to settling of dust, stone and smoke from air into water body, ground water level will also be affected.</li> <li>5- Geological problems – all the living being will be scared of vibration caused due to blasting. Mining will be deeper enough due to which earth strata will become weak, release of poisonous gases,</li> </ol>	<p>Controlled blasting will be done as per guidelines of IBM, delay detonating technique will be adopted due to which no hearing impairment or mental ill health is possible</p> <p>Air pollution control devices will be installed at all the point sources and have been already installed at various locations (emission points) in plant.</p> <p>Wet drilling will be done, water spray on haul roads.</p> <p>All due care will be made to arrest the dust generated at source, ground water level will be improved due to collection of rainy water in abandoned mine pits</p> <p>No mining will be done beyond permitted depth assigned by IBM by which no effect is envisaged on earth strata and no possibility of release of poisonous gases, earthquake and landslide</p>

		<p>earthquake and landslide may be caused</p> <p>6- Mental problems – pollutants released may cause mental ill health, man of an ordinary prudence, thinking ability etc will also be affected.</p> <p>7- Physical problems – mining will cause physical problems in 50 km of radius. Progenies will face problems of infertility, handicapped, dwarfness, annoyance, madness etc.</p> <p>8- Problems of Homes- cracks in walls or collapse of buildings within 10-15 years</p> <p>9- Effects on youths &amp; pregnant ladies- development of infants, youths and pregnant ladies will be affected.</p> <p>10- Effects on farmers – life of farmers will be ill affected who are totally dependent on agriculture</p> <p>11- Affection with parental birth place- people who leaves their homes even without their own will</p>	<p>All the pollution control devices will be installed as per guidelines of CPCB/ MPPCB to avoid the release of pollutant. Cause of mental ill health is not possible.</p> <p>No possibility of any such physical problems</p> <p>Mining will be done as per guidelines of IBM and ground vibration will be monitored regularly, vibration will not be enough to cause harm to the homes as all the guidelines of IBM will be followed</p> <p>Not acceptable, no effect on development of infants, youths and pregnant ladies, with the compliance of statutory guidelines</p> <p>Not acceptable, due to compliance of related guidelines of the Govt., there will be no adverse effect. Life style will be improved.</p> <p>There is no habitation in the lease area hence the allegation is not acceptable</p>
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**AIR QUALITY MONITORING REPORT FOR MINES  
MONTH - OCTOBER YEAR-2021**

1. NAME & ADDRESS OF FACTORY

: BADARKHA LIMESTONE MINES  
(PRISM JOHNSON LIMITED)  
VILLAGE: BANDARKHA  
POST : BAIRIHA  
DISTT : SATNA (M.P.)

2. NAME OF PERSON PREPARED THE REPORT

: Swati Vaish

3. AMBIENT AIR QUALITY MONITORING

1. DURATION
2. DISTANCE FROM FACTORY

: 8X3=24Hrs.

1. LOCATION (1) - Himauta village
2. LOCATION (2) - Badarkha Mines
3. LOCATION (3) - Chulhi village
4. LOCATION (4) - Village Kulhari


3. WIND DIRECTION

: MENTIONED IN THE TABLE

Sl No	Date	Location (1)						Location (2)						Location (3)						Location (4)						Wind Direction
		PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	
1	06.10.21	25.59	57.51	38.88	37.75	BDL	29.12	54	40.5	40.45	BDL	25.58	51.88	35.35	36.4	BDL	25.07	50.56	34.72	35.3	BDL	SE				
2	21.10.21	28.51	53.99	39.49	41.35	BDL	30.39	58.01	41.98	42.65	BDL	24.85	52.98	36.45	37.21	BDL	24.15	51.8	35.35	36.98	BDL	SW				

BDL - Below Detectable Limit

  
**Sumitabh Dwivedi**  
 Sr. Manager- Environment  
 Prism Johnson Ltd., Satna (M.P.)

  
**Manoj Kumar Kashyap**  
 Asst. Vice President  
 Prism Johnson Ltd., Satna (M.P.)

**AIR QUALITY MONITORING REPORT FOR MINES**  
**MONTH - NOVEMBER YEAR-2021**

1. NAME & ADDRESS OF FACTORY : BADARKHA LIMESTONE MINES  
(PRISM JOHNSON LIMITED)  
VILLAGE: BANDARKHA  
POST : BAIRIHA  
DISTT : SATNA (M.P.)

2. NAME OF PERSON PREPARED THE REPORT : Swati Vaish


3. AMBIENT AIR QUALITY MONITORING  
1. DURATION : 8X3=24Hrs.  
2. DISTANCE FROM FACTORY : LOCATION (1) - Hinauta village  
LOCATION (2) - Badarkha Mines  
LOCATION (3) - Chulhi village  
LOCATION (4) - Village Kulhari

3. WIND DIRECTION : MENTIONED IN THE TABLE

Sl No.	Date	Location (1)						Location (2)						Location (3)						Location (4)						Wind Direction	
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1	07.11.21	27.02	55.97	40.5	36.77	BDL	28.49	59	41.66	39.55	BDL	26.08	53.61	37.56	37.55	BDL	27.22	56.11	36.45	36.77	BDL	28.4	57.57	35.01	38.43	BDL	SE
2	21.11.21	29.36	55.78	39.77	43.68	BDL	31.64	60.26	44.56	45.6	BDL	27.52	55.96	38.88	39.55	BDL	28.4	57.57	35.01	38.43	BDL	28.4	57.57	35.01	38.43	BDL	SW

BDL - Below Detectable Limit

Swati Vaish  
Dy. Manager- Environment  
Prism Johnson Ltd. Satna (M.P.)

  
Manoj Kumar Kashyap  
Asst. Vice President  
Prism Johnson Ltd. Satna (M.P.)



**AIR QUALITY MONITORING REPORT FOR MINES  
MONTH - DECEMBER YEAR - 2021**

1. NAME & ADDRESS OF FACTORY : BADARKHA LIMESTONE MINES  
(PRISM JOHNSON LIMITED)  
VILLAGE: BANDARKHA  
POST : BAIRIHA  
DISTT : SATNA (M.P.)
2. NAME OF PERSON PREPARED THE REPORT : Swati Vaish
3. AMBIENT AIR QUALITY MONITORING  
1. DURATION : 8X3=24Hrs  
2. DISTANCE FROM FACTORY : LOCATION (1) - Himauta village  
LOCATION (2) - Badarkha Mines  
LOCATION (3) - Chulhi village  
LOCATION (4) - Village Kulhari
3. WIND DIRECTION : MENTIONED IN THE TABLE

Sl No	Date	Location (1)				Location (2)				Location (3)				Location (4)				Wind Direction				
		PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM 2.5 ug/M3		PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3
1	09.12.21	29.58	58.1	39.49	42.07	BDL	30.7	60.25	42.53	43.14	BDL	27.57	56.89	36.45	40.45	BDL	26.26	56.87	35.35	39.29	BDL	SE
2	23.12.21	30.06	60.5	41.31	40.45	BDL	32.16	62.3	42.53	42.47	BDL	28.65	59.2	39.49	38.83	BDL	27.22	59.25	38.19	37.75	BDL	SW

BDL - Below Detectable Limit



**Sumitabh Dwivedi**  
Sr. Manager - Environment  
Prism Johnson Ltd. Satna (M.P.)



**Manoj Kumar Kashyap**  
Asst. Vice President  
Prism Johnson Ltd. Satna (M.P.)

**AIR QUALITY MONITORING REPORT FOR MINES**  
**MONTH - JANUARY 2022**

1. NAME & ADDRESS OF FACTORY

: (PRISM JOHNSON LIMITED)  
BADARKHA LIMESTONE MINES  
VILLAGE: BANDARKHA  
POST : BAIRIHA  
DISTT : SATNA (M.P.)

2. NAME OF PERSON PREPARED THE REPORT

: Garima Sharma

3. AMBIENT AIR QUALITY MONITORING

1. DURATION : 8X3=24Hrs.
2. DISTANCE FROM FACTORY : LOCATION (1) - Hinauta village  
LOCATION (2) - Badarkha Mines  
LOCATION (3) - Chulhi village  
LOCATION (4) - Village Kulhari

3. WIND DIRECTION

: MENTIONED IN THE TABLE

Sl No	Date	Location (1)				Location (2)				Location (3)				Location (4)				Wind Direction				
		PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM 2.5 ug/M3		PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3
1	07.01.2022	28.79	55.13	41.31	42.07	BDL	29.88	59.01	43.2	44.49	BDL	26.29	53.77	38.88	40.45	BDL	26.13	54.43	37.56	39.55	BDL	NE
2	22.01.2022	31.64	59.16	40.5	43.68	BDL	32.71	64.53	41.98	45.84	BDL	29.23	55.99	37.56	41.35	BDL	28.84	53.59	36.45	38.83	BDL	SW

BDL - Below Detectable Limit



**Sumitabh Dwivedi**  
Sr. Manager- Environment  
Prism Johnson Ltd. Satna (M.P.)



**Manoj Kumar Kashyap**  
Asst. Vice President  
Prism Johnson Ltd. Satna (M.P.)

**AIR QUALITY MONITORING REPORT FOR MINES  
MONTH - FEBRUARY 2022**

1. NAME & ADDRESS OF FACTORY : (PRISM JOHNSON LIMITED)  
BADARKHA LIMESTONE MINES  
VILLAGE: BANDARKHA  
POST : BAIRIHA  
DISTT : SATNA (M.P.)
2. NAME OF PERSON PREPARED THE REPORT : Garima Sharma
3. AMBIENT AIR QUALITY MONITORING  
1. DURATION : 8X3=24Hrs  
2. DISTANCE FROM FACTORY :  
LOCATION (1) - Hinauta village  
LOCATION (2) - Badarkha Mines  
LOCATION (3) - Chulhi village  
LOCATION (4) - Village Kulhari
3. WIND DIRECTION : MENTIONED IN THE TABLE

Sl No.	Date	Location (1)						Location (2)						Location (3)						Location (4)						Wind Direction			
		PM 2.5 ug/M3	PM 10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM 10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM 10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM 10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL				
1	06.02.2022	29.88	59.49	39.49	41.35	BDL	27.71	63.49	44.19	46.92	BDL	29.33	55.67	37.8	39.71	BDL	28.49	52.87	38.48	38.43	BDL	30	55.9	37.8	39.1	BDL	39.1	BDL	NE
2	21.02.2022	30.91	58.78	42.53	44.94	BDL	31.25	64.76	43.2	47.07	BDL	29.88	56.9	40.5	40.45	BDL	30	55.9	37.8	39.1	BDL	30	55.9	37.8	39.1	BDL	39.1	BDL	SW

BDL - Below Detectable Limit



**Sumitabh Dwivedi**  
Sr. Manager- Environment  
Prism Johnson Ltd. Satna (M.P.)



**Manoj Kumar Kashyap**  
Asst. Vice President  
Prism Johnson Ltd. Satna (M.P.)

**AIR QUALITY MONITORING REPORT FOR MINES  
MONTH - MARCH 2022**

1. NAME & ADDRESS OF FACTORY

: (PRISM JOHNSON LIMITED)  
BADARKHA LIMESTONE MINES  
VILLAGE: BANDARKHA  
POST : BAIRIHA  
DISTT : SATNA (M.P.)

2. NAME OF PERSON PREPARED THE REPORT

: Garima Sharma


3. AMBIENT AIR QUALITY MONITORING

1. DURATION  
: 8X3=24Hrs
2. DISTANCE FROM FACTORY  
: LOCATION (1) - Hinauta village  
LOCATION (2) - Badarkha Mines  
LOCATION (3) - Chulhi village  
LOCATION (4) - Village Kulhari
3. WIND DIRECTION  
: MENTIONED IN THE TABLE

Sl No	Date	Location (1)						Location (2)						Location (3)						Location (4)						Wind Direction	
		PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL		
1	08.03.2022	31.64	60.44	38.88	42.33	BDL	30.2	65.2	44.2	45.6	BDL	29.88	59.97	38.19	41.8	BDL	29.73	56.14	41.31	40.45	BDL	30.45	50.56	40.5	41.18	BDL	SE
2	22.03.2022	32.4	63.71	41.66	44.3	BDL	31.87	63.64	44.19	46.52	BDL	31.05	61.22	42.53	43.14	BDL	30.45	50.56	40.5	41.18	BDL	30.45	50.56	40.5	41.18	BDL	SE

BDL - Below Detectable Limit

  
**Sumitabh Dwivedi**  
Sr. Manager- Environment  
Prism Johnson Ltd. Satna (M.P.)

  
**Manoj Kumar Kashyap**  
Asst. Vice President  
Prism Johnson Ltd. Satna (M.P.)


**PRISM JOHNSON LIMITED  
SATNA (M.P.)**


**AMBIENT NOISE MONITORING REPORT**

**MONTH – OCTOBER 2021**

1. Name and address of Factory : **PRISM JOHNSON LTD.**  
**Prism Cement Limestone Mines**  
Village- Bandarkha  
Post - Bathia  
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Swati Vaish
3. Details of noise monitoring :-

S.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	14.10.2021	59.6	50.8
2	Bandarkha mines	14.10.2021	60.7	52.3
3	Chulhi village	14.10.2021	55.5	49.0
4.	Kulhari village	14.10.2021	56.3	48.2

  
**Sumitabh Dwivedi**  
**Sr. Manager – Environment**

  
**Manoj Kumar Kashyap**  
**Asst. Vice President**

PRISM JOHNSON LIMITED  
SATNA (M.P.)

AMBIENT NOISE MONITORING REPORT


MONTH – NOVEMBER 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**  
**Prism Cement Limestone Mines**  
Village- Bandarkha  
Post - Bathia  
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Swati Vaish
3. Details of noise monitoring :-

S.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	15.11.21	56.7	49.2
2	Bandarkha mines	15.11.21	59.9	50.7
3	Chulhi village	15.11.21	56.3	47.2
4.	Kulhari village	15.11.21	54.0	46.1



**Swati Vaish**  
**Dy. Manager – Environment**



**Manoj Kumar Kashyap**  
**Asst. Vice President**

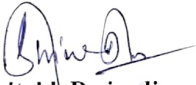
**PRISM JOHNSON LIMITED  
SATNA (M.P.)**


**AMBIENT NOISE MONITORING REPORT**

**MONTH – DECEMBER 2021**

1. Name and address of Factory : **PRISM JOHNSON LTD.**  
**Bandarkha Limestone Mines**  
Village- Bandarkha  
Post - Bathia  
Distt - Satna (M.P) - 485111
2. Name of person prepared the report : Swati Vaish
3. Details of noise monitoring :-

Sr.no	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauti village	10.12.21	58.4	50.9
2	Bandarkha mines	10.12.21	60.2	52.1
3	Chulhi village	10.12.21	57.0	48.7
4.	Kulhari village	10.12.21	56.6	49.4

  
**Sumitabh Dwivedi**  
Sr. Manager – Environment

  
**Manoj Kumar Kashyap**  
Asst. Vice President




PRISM JOHNSON LIMITED  
SATNA (M.P.)


AMBIENT NOISE MONITORING REPORT

MONTH – JANUARY 2022

1. Name and address of Factory : PRISM JOHNSON LTD.  
Bandarkha Limestone Mines  
Village- Bandarkha  
Post - Bathia  
Distt - Satna (M.P) - 485111
2. Name of person prepared the report : Garima Sharma
3. Details of noise monitoring :-

Sr.no	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauti village	16.01.22	59.0	51.3
2	Bandarkha mines	16.01.22	61.2	52.9
3	Chulhi village	16.01.22	58.8	50.4
4.	Kulhari village	16.01.22	56.1	49.3

  
Sumitabh Dwivedi  
Sr. Manager – Environment

  
Manoj Kumar Kashyap  
Asst. Vice President


PRISM JOHNSON LIMITED  
SATNA (M.P.)


AMBIENT NOISE MONITORING REPORT

MONTH -MARCH 2022

1. Name and address of Factory : **PRISM JOHNSON LTD.**  
**Bandarkha Limestone Mines**  
Village- Bandarkha  
Post - Bathia  
Distt - Satna (M.P) - 485111
2. Name of person prepared the report : Garima Sharma
3. Details of noise monitoring :-

Sr.no	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauti village	16.03.2022	62.4	54.9
2	Bandarkha mines	16.03.2022	63.2	55.0
3	Chulhi village	16.03.2022	59.4	51.7
4.	Kulhari village	16.03.2022	56.7	50.4

  
Sumitabh Dwivedi  
Sr. Manager – Environment

  
Manoj Kumar Kashyap  
Asst. Vice President

# ECOMEN LABORATORIES PVT. LTD.

Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: [contactus@ecomen.in](mailto:contactus@ecomen.in), Website: [www.ecomen.in](http://www.ecomen.in), CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1Z1

**ecoMen**  
LABORATORIES PVT LTD.

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

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO: ECO LAB/DW/1525/12/21

TEST REPORT ISSUE DATE: 13.01.2022

## 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. Anish Singh

Sample Quantity : As per requirement.

Date of Sampling : 29.12.2021

Date of Receiving : 03.01.2022

Date of Analysis : 03.01.2022 to 07.01.2022

Source of Sample : Badarkha Village – Bore Well

Sample ID Code : ELW-15286

Sl. No.	TESTS	PROTOCOL	RESULT	Detection Range	INDIAN STANDARDS as per IS 10500:1991(Reaff:2012)	
					Desirable	Permissible
1.	Colour (Hazen unit)	APHA, 23 <sup>rd</sup> Ed. 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23 <sup>rd</sup> Ed. 2017, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Taste	APHA, 23 <sup>rd</sup> Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NTU)	APHA, 23 <sup>rd</sup> Ed. 2017, 2130-A+B	1.32	1 - 100	1.0	5.0
5.	pH	APHA, 23 <sup>rd</sup> Ed. 2017, 4500H+ A+B	7.21	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 2540-C	560.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 2320 A+ B	160.0	5-1500	200	600
8.	Total Hardness as CaCO <sub>3</sub> (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 2340 A+C	216.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3500 Ca A+B	56.0	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3500 Mg A+B	18.46	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500 Cl A+B	28.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500-C	0.24	0.05-10	1.0	1.5
13.	Sulfate as SO <sub>4</sub> (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500-SO <sub>4</sub> <sup>2-</sup> E	95.65	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO <sub>3</sub> (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500-NO <sub>3</sub> <sup>-</sup> B	14.5	5.0 - 100	45.0	No Relax.
15.	Manganese as Mn (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 A+B	BDL	0.1-5	9.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 A+B	0.23	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmium as Cd (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19.	Nickel as Ni (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 A+B	BDL	0.02-5	0.02	No Relax
20.	Arsenic as As (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3114 C	BDL	0.01-2	0.01	0.05
21.	Total Chromium as Cr (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 - A +B	BDL	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3112 A+B	BDL	0.001-1	0.001	No Relax.
23.	Copper as Cu (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3111 A+B	BDL	0.05-5	0.05	1.5
24.	Boron as B (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500 B A+C	0.21	0.2 - 10	0.5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017 (3111-A+B)	BDL	1.0-100	0.03	0.2
26.	Free Residual Chlorine (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500-Cl B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H <sub>2</sub> S (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28.	Iodide as I (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 4500 - IB	BDL	0.1-10	-	-
29.	Iron as Fe (mg/l)	APHA, 23 <sup>rd</sup> Ed. 2017, 3500 Fe B	0.10	0.02-50	0.3	No Relax.
30.	Total coliform (MPN/100 ml)	APHA, 23 <sup>rd</sup> Ed. 2017, 9221 B+C	Absent	1.8	Absent	Absent
31.	<i>E.coli</i> (Nos/100)	APHA, 23 <sup>rd</sup> Ed. 2017, 9221B+E	Absent	1.8	Absent	Absent

\*The result are related only to item tested.

BDL = Below Detection Limit

Verified By

Technical Manager

Authorized By

  
Quality Manager

Ecomen Laboratories Pvt. Ltd.