

Ref No.: BCL/BLM/MoEF&CC/EC compliance/2025-26/38

Dated: 24.05.2025

To,
Dy. Director General Forest (Central)
Regional Office, Western Region,
Kendriya Paryavaran Bhavan,
Link Road No. 3, E/5, Ravi Shankar Nagar,
Bhopal - 462016 (M.P.)

Sub: Six Monthly Environmental Clearance Compliance status reports of Birhuli Limestone mines of Birla Corporation Limited, Unit: Satna Cement Works for the period from October-2024 to March-2025.

Ref: Environmental Clearance Letter No. J-11015/122/2005/IA. II (M) Dated 06 August 2007

Dear Sir,

With reference to aforesaid subjected matter, we are herewith submitting six monthly Environment Clearance compliance report for the period of October-24 to March-25 of Birhuli Limestone Mines M/s Birla Corporation Limited, Unit: Satna Cement Works.

This is for your kind information & record please.

Thanking You,
Yours faithfully,

For Birla Corporation Limited,
Unit: Satna Cement Works,

 Kaushal Mishra
(Unit Head)

Encl: As above

Copy to:

1. Director
Ministry of Environment, Forest & Climate Change (GoI), Indira Paryavaran Bhawan
Jorbagh Road, New Delhi- 110003
2. Member Secretary
M.P. Pollution Control Board, Paryavaran Parisar, E- 5 / Arera Colony, Bhopal - 462 016
3. Regional Director
Central Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal (M.P.) - 462016



A comprehensive compliance report in respect of all the condition of EC with adequate reasoning and supporting data showing the summary of the monitored data in a tabular format within the compliance report itself.

COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE CONDITIONS		
Compliance status for the period of October-2024 to March-2025 of Environmental Clearance issued by MoEF, New Delhi vide letter Reference No. J-11015/122/2005-IA.II (M) Dated 6thAugust, 2007		
Detail of Project: - Birhuli Limestone Mines of M/s Birla Corporation Limited, Unit: Satna Cement Works. Located in Village-Birhuli, Taluka Raghurajnagar, District: Satna, State: Madhya Pradesh		
A) Specific Conditions		
Sr. No.	EC conditions	EC Compliance Status
(i)	The environmental clearance is subject to approval of the State Land use Department, Government of Madhya Pradesh for diversion of agricultural land for non-agricultural use	Mining Lease of Birhuli Limestone Mines was granted by Govt. of Madhya Pradesh on dated 11.2.2004 and same was executed on 03.01.2006 for mining of limestone, Copy of grant order and lease deed is enclosed for reference as Annexure -1 .
(ii)	All the conditions stipulated by the State Pollution Control Board in their NOC should be effectively implemented	All conditions stipulated by State Pollution Control Board in their NOC are already implemented. Copy of NOC vides letter no. 22342/TS/MPPCB/2004 dated 22.12.2004 and the detailed compliance status is enclosed as Annexure -2
(iii)	The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. Prior approval of the Ministry of Environment & Forests and Central Ground Water Authority shall be obtained for mining below water table.	Mining operation is restricted to above ground water table. Prior permission will be taken for mining below water table.
(iv)	The project proponent shall ensure that no natural watercourse shall be obstructed due to any mining operations.	No any natural water course is passing through mining lease area. Surface plan is enclosed for reference as Annexure -3 .
(v)	Top soil should be stacked with proper slope at earmarked site (s) only with adequate measures and should not be used for reclamation and rehabilitation of mined out areas.	Top Soil generated is concurrently used directly for green belt development. Top soil is generated during removal of soil overburden, which is spread over lease periphery for plantation. Trees are planted considering their suitability to the environment in the rehabilitated area. Top soil generated in last two year is 14924 and 65912 Cubic meter and for the compliance period (October to March-25) 1466 Cum soil generated.
(vi)	The waste generated during the mining operation shall be concurrently backfilled and there shall be no external over burden dumps. Monitoring and management of rehabilitated areas should continue until	The entire waste generated is temporarily stacked at earmarked area. Reclamation & Plantation is being done in phased manner as per approved Mining Plan. Six monthly Compliance status is regularly being submitted to MoEF&CC and RO, Bhopal.

	the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office. Bhopal on six monthly basis.	
(vii)	The void left unfilled in an area of 40.65 ha shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation 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. Peripheral fencing shall be carried out along the excavated area.	At the end of Mines life void left unfilled shall be converted into water body by making slopes gentler for easy accessibility by local people to use the water body and also as per the condition laid down. Peripheral Fencing by earthen bund is being carried out. Photographs are attached as Annexure-4 . Presently 41.96 Ha area is under current opencast working. Voids around 14.87 Ha is available for water body.
(viii)	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, soil, temporary OB dumps, if any, and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly. Garland drain of appropriate size, gradient and length shall be constructed for mine pit and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	Catch drains and siltation ponds of appropriate size are constructed for the working pit to arrest flow of silt and sediment. Collected rain water is utilized for watering the mines area, roads and green belt development etc. Photograph of Siltation pond is attached as Annexure-5 . Garland drains of appropriate size, gradient & length are constructed. Photograph of garland drain is attached as Annexure -6 .
(ix)	Dimension of retaining wall at the toe of temporary dumps, if any, and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	The overburden is stacked properly at unmarked site and garland drains are constructed to restrict the water runoff to nearby water bodies. siltation ponds of appropriate size are constructed.
(x)	Plantation shall be raised in an area of 8.45 ha including a green belt in the safety zone around the mining lease by planting the native species around ML area, reclaimed and backfilled area, around water body, roads etc. in consultation with the local DFO/ Agriculture Department. At least 1500 trees per year shall be planted and the density of the	In the year 2024-25, we have planted 1550 no. of saplings in Birhuli Mining lease. Afforestation programme is being carried out with consultation of local Forest department, and as per their advice saplings, are being procured from various nursery & forest department nursery.

	trees should be around 2500 plants per ha.	Plantation is being carried out as per approved Mining plan. (Plantation details & photograph of plantation are attached as Annexure -8 .
(xi)	Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading, unloading and transfer points and other vulnerable areas. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Haulage road are adequately sprayed with water by sprinkler installed water tanker. Trees are planted on both side of road to arrest air borne dust. Our existing crusher are equipped with Bag Dust Collector, Pocket filters, Belt curtain at hopper etc. which ensure adequate suppressions of air borne dust in crusher with arrangement of water spraying at all transfer points. Photographs attached as Annexure-9 . The Ambient air quality monitoring parameters are well within permissible limits of the proposed standard of SPM & RPM. Online AAQ Monitoring report is attached as Annexure-10 .
(xii)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Mining operation started in 2009 and considering future water need and to recharge ground water table, Rain Water Harvesting Ponds were created to augment ground water resources in the mine out area.
(xiii)	Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year - pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment and Forests, its Regional Office located at Bhopal, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Ground Water level & Quality monitoring is carried out in & around mining lease area in all the four seasons. The monitoring Report is carried out four times in a year-pre-monsoon (April-May), Monsoon (August), post monsoon (November) & winter (January). All collected data is also sent regularly to concerned authority. Reference Sheet is attached. Third party Water label monitoring data is attached as Annexure-11 .
(xiv)	The project authority should implement Suitable conservation measures to augment ground water resources in the area in consultation with Regional Director, Central Ground Water Board.	As mentioned for compliance status of condition no. XIII, mining operation started in 2009 and over a period of time, the mine out pits are converted for Rain Water Harvesting by making trenches/slopes all around the pits to collect the rain water. Photograph of rain water harvesting is attached as Annexure-4 . In addition to above we have also constructed Ground Water Recharge structure to tune-up ground water level at Colony, Hospital and Nearby School, Villages etc. The details are follows:

		<p>A) 15 Nos of Ground water recharge structures are constructed in Staff colony, SCW plant, R K Missionary School etc.</p> <p>B) 7 nos. are constructed at mines office and colony area.</p>
(xv)	The project authorities shall obtain prior approval of the competent authority for drawl of groundwater, required for the project.	Presently water requirement for operational activities is being met from Rain Water Harvested in mines pit. No ground water is abstracted so far.
(xvi)	The mineral handling plant should be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	<p>Crushers installed at adjacent mines are equipped with Bag dust collectors, Pocket filters. De-dusting cyclones etc. which ensures adequate suppression of air borne dust in crusher and conveyor belt transfer points. There is also adequate arrangement of water spraying at crusher hopper and conveyor belts.</p> <p>Details are as follows:</p> <ol style="list-style-type: none"> 1) Four nos. of BDC installed at crusher. 2) Water spraying system at Crusher hopper. 3) PVC curtain provided at Crusher hopper. 4) Water sprinkling system provided at transfer points. <p>Water sprinkling on haul road by a dedicated water tanker.</p> <p>Photograph of belt curtains at hopper and water sprinkling at Crusher hopper and Conveyor belt, BDC at belt transfer point are attached as Annexure-9.</p>
(xvii)	Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting operation is always carried out only during daytime with controlled blasting method. Monitoring of vibration is being done in regular interval with the help of new InstanTEL Micromate vibration monitoring equipment. Photograph of Micromate and Vibration monitoring report is attached as Annexure-12 .
(xviii)	Drills shall either be operated with dust extractors or equipped with water injection system.	Drill machines are equipped with water injection system to suppress the dust and Dust collection system which is continuously operating to avoid dust getting airborne. Photograph of Drilling machine equipped with dust extraction system is attached as Annexure-13 .
(xix)	The project proponent shall ensure monitoring of vibrations (peak article velocity likely to be generated) with each blast.	Vibration (Peak Particle Velocity-PPV) is being monitored at regular interval by new InstanTEL Micromate and kept well within permissible limits. Safe limit of PPV is 10 mm/second as per recommendation given by DGMS, attached as Annexure-14 .

(xx)	Consent to operate shall be obtained from the State Pollution Control Board before starting enhanced production from the mine.	Complied. Consent to Operate from MPPCB is attached as Annexure-15 .
(xxi)	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 under control. Appropriate measures are taken for maintenance of Heavy Earth Moving Machinery. Hauling Vehicles ply within ML area and are loaded as per OEM recommendation & not overloaded. Copy of Vehicular Emission test report is attached as Annexure-16 .
(xxii)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	FMCP along with details of Corpus fund will be submitted to MOEF 5 years in advance of final mine closure for approval.

B) General Conditions

Sr. No.	EC conditions	EC Compliance Status
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	There is no change in mining technology & scope of working. All working & reclamation activity is being carried out as per approved Mining Plan Certified copy of Production plan is attached as Annexure 17 .
(ii)	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	There is no change in mining technology & scope of working. All working & reclamation activity is being carried out as per approved Mining Plan Certified copy of Production is attached as Annexure 17 .
(iii)	Conservation measures for protection of flora and fauna in the core & buffer zone should be drawn up in consultation with the local forest and wildlife department.	Conservation measures for protection of flora & fauna in the core & buffer zone is taken up. Till date about 3.15 lacs saplings has been planted in core & buffer zone, which include majority of local species. Most of the plant saplings are from local Forest and Wild life Department. In addition to above Vermi compost is being used for plantation, in order to develop thick green belt in and around the mines area. Vermi composting is used and sprinkling system is also provided for plantation.

(iv)	At least four ambient air quality monitoring stations should be established in the core zone as well as the buffer zone for RPM, SPM, SO ₂ , NO _x , and CO monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Data on ambient air quality (RPM, SPM, SO ₂ , NO _x , and CO) should be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board/Central Pollution Control Board once in six months.	Four ambient air quality monitoring stations are already established for monitoring of PM ₁₀ , PM _{2.5} , SO ₂ and NO ₂ . Fortnightly ambient air quality monitoring data is enclosed. In addition to this 02 nos. CAAQMS has been installed at Quarry Station no.1 (In South direction) & Quarry Station no.2 (In North direction) and online AAQ data is transmitting continuously to CPCB & MPPCB. Third Party AAQ Report is enclosed as Annexure 18 .
(v)	Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangements on haul roads, wagon loading, dumps, loading & unloading points should be provided and properly maintained.	Fugitive dust emission from all the sources is already under controlled, regular monitoring is being done & data recorded. Water spray system is provided at all dust prone areas & maintained regularly. Photograph of water spraying on roads to control fugitive dust is enclosed as Annexure-19A .
(vi)	Adequate measures should be taken for control of noise levels within prescribed standards. Workers engaged in blasting and drilling operations, operations of HEMM, etc., should be provided with ear plugs/muffs.	Adequate measures are taken for controlling noise level. Regular monitoring of the noise level is being done and found within the stipulated norms. Workers are provided ear plugs / muffs etc. where ever necessary. Third Party noise monitoring reports are attached as Annexure-19B .
(vii)	Industrial wastewater (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 effluents from workshop.	The waste water generated at workshop is properly treated in ETP. Oil and Grease Trap is also installed to remove oil and grease. The treated water is used for plantation. The treated water quality meets the standards prescribed as per GSR 422 (E). There is no additional source of waste water generation from Mining operation. Third Party analysis report is attached as Annexure-20 .
(viii)	Acid mine water, if any has to be treated and disposed of after conforming to the standard prescribed the competent authority.	Not applicable Pyritic Sulphur content in Lime stone is very low. Hence no acid mine water is anticipated.
(ix)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and	Person working in dust prone areas are provided with dust mask. Adequate training and information regarding Safety and health aspects is provided to them.

	<p>information on safety and health aspects.</p> <p>Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to radioactive mineral dust and take corrective measures, if needed. The same programme may be extended to adjoining villages also.</p>	<p>OHS programme of the workers is under taken periodically.</p> <p>Training report attached as Annexure-21.</p> <p>Occupational health & Safety surveillance programme as per mining act/rules is carried out regularly.</p>																					
(x)	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.	Fully equipped environmental laboratory is already in function and is working satisfactorily. Photographs attached as Annexure-22 .																					
(xi)	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior Executive, who will report directly to the Head of the organization.	Environmental Management cell comprises SD- Head, Environment Manager, Environmental Engineer and monitoring team. Well-equipped environmental laboratory of is established. Organization structure of Environment is attached as Annexure-23 .																					
(xii)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure Should be reported to the Ministry of Environment and Forests and its Regional Office, Bhopal.	<p>Expenditure details for Environment protection (2024-2025)</p> <table border="1"> <thead> <tr> <th>S.N.</th><th>Description</th><th>Amount (In Lacs)</th></tr> </thead> <tbody> <tr> <td>1</td><td>Environmental Monitoring</td><td>2.12</td></tr> <tr> <td>2</td><td>Water sprinkling on haulage roads</td><td>29.09</td></tr> <tr> <td>3</td><td>Fencing</td><td>16.99</td></tr> <tr> <td>4</td><td>Greenbelt development maintenance and security</td><td>18.85</td></tr> <tr> <td>5</td><td>CAAQMS maintenance charges</td><td>4.50</td></tr> <tr> <td colspan="2">Total Expenses</td><td>71.55</td></tr> </tbody> </table>	S.N.	Description	Amount (In Lacs)	1	Environmental Monitoring	2.12	2	Water sprinkling on haulage roads	29.09	3	Fencing	16.99	4	Greenbelt development maintenance and security	18.85	5	CAAQMS maintenance charges	4.50	Total Expenses		71.55
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(xiii)	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing requisite data/information/monitoring reports.	<p>Complied</p> <p>Full cooperation is given to officers of Regional Office and will be continued in future also.</p>																					
(xiv)	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Bhopal, Central	Regularly being submitted.																					

	Pollution Control Board and State Pollution Control Board.	
(xv)	A copy of the clearance letter will be marked to the concerned Panchayat /local NGO, if any, from whom any suggestions/representation has been received while processing the proposal.	Complied
(xvi)	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied Financial assurance is submitted to Indian Bureau of Mines along with Mining Plan for final mine closure. The date of start of land development work was intimated while obtaining CTE.
(xvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry center and Collector's/Tehsildar's Office for 30 days.	Not Applicable
(xviii)	The project authorities should 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 may also be seen at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located Bhopal.	Advertisement had been published during EC process. Paper cutting is attached as Annexure-24 .

: आदेश : :

भोपाल, दिनांक

क्रमांक संक 2-163/2001/12/2: यह कि जिला सतना के ग्राम बिरहुली में निम्न अनुसार आवेदकों द्वारा चुनावस्थल खनिज की खनि रिषायत प्राप्त करने के लिए आवेदन पत्र प्रस्तुत किए गए :-

क्रमांक	आवेदक का नाम	आवेदन दिनांक एवं प्रकार	आवेदित रकबा
1.	श्री अजय मिश्रा	15. 11. 99/पीएल	76.50 एकड़
2.	श्री रामचन्द्रकुमार अग्रवाल	- -	123.50 एकड़
3.	श्री पारुल खान	- -	94.71 एकड़
4.	मेसर्स प्रिन्स सीमेंट	24. 11. 99/पीएल	139.00 एकड़
5.	मेसर्स प्रिन्स सीमेंट	24. 11. 99/एमएल	139.00 एकड़
6.	श्री सुकुन्द जायसवाल	28. 7. 2000/पीएल	-
7.	श्री सुकुन्द जायसवाल	28. 7. 2000/एमएल	-
8.	मेसर्स बिरला कारपोरेशन लिमिटेड	30. 11. 99/पीएल	170.83 एकड़
9.	मेसर्स बिरला कारपोरेशन	20. 11. 99/एमएल	138.83 एकड़

यह कि मेसर्स बिरला जूट एण्ड इण्डस्ट्रीज लिमिटेड वर्तमान में बिरला कारपोरेशन लिमिटेड द्वारा जिला सतना के ग्राम बिरहुली के कुल रकबा 56.27 हेक्टर क्षेत्र पर चुनावस्थल खनिज का खनिपट्टा स्वीकृत करने हेतु दिनांक 22. 11. 1996 को आवेदन पत्र प्रस्तुत किया था आवेदित क्षेत्र राज्य सरकार के ज्ञापन दिनांक 20. 12. 1964 से स्टील उद्योग के लिए सुरक्षित होने के कारण आदेश क्रमांक 3-125/87/12/1 दिनांक 25. 6. 1987 से निरस्त किया गया जिसके विरुद्ध मेसर्स बिरला पुनः भारत सरकार, खान मंत्रालय के समक्ष पुनरीक्षण आवेदन क्रमांक 2/एमपी-6/89/एम-111 प्रस्तुत किया जो भारत सरकार खान मंत्रालय द्वारा अपने अंतिम आदेश क्रमांक 328/99 दिनांक 16. 12. 1999 से खारिज कर दिया यद्यपि पारित आदेश में यह भी उल्लेख किया गया कि पुनरीक्षणकर्ता आवेदक को उसके द्वारा स्थापित सीमेंट संयंत्र के लिए चुनावस्थल की आपूर्ति करने के लिए अतिरिक्त चुनावस्थल की आवश्यकता है, अतः यदि राज्य सरकार क्षेत्र सुझा घोषित करती है एवं पुनरीक्षणकर्ता आवेदक पुनः उसके सिरे से आवेदन प्रस्तुत करता है तो उसके द्वारा प्रस्तुत किए जाने वाले नये आवेदन एवं अन्य आवश्यकताओं को पूर्ण हो, का निराकरण नियमानुसार किया जावे।

यह कि राज्य शासन द्वारा दिनांक 15-10-1979 को यह क्षेत्र अधिग्रहीत किया गया। 1960 के नियम 59 के अंतर्गत क्षेत्र खूना घोषित करने की अधिसूचना प्रकाशित की गई है। उक्त क्षेत्र ग्राम बिरहुनी भी शामिल है। अधिसूचना में यह भी उल्लेख किया गया है कि इन क्षेत्रों में उपलब्ध खनिज के आधार पर बड़े उद्योग लगाने हेतु इच्छुक व्यक्तियों को खनिज रियायत देने में प्रथमिकता दी जावेगी। अधिसूचना के प्रकाशित होने के तिस दिवस बाद खनिज रियायत स्वीकृत करने हेतु उपरोक्तानुसार पूर्वोक्त अनुज्ञापित के 6 वर्ष अभिगच्छता के उक्त 9 आवेदन पत्र प्राप्त हुये।

यह कि प्रकरण के निराकरण के लिए सभी आवेदकों को समक्ष में सुनवाई का अवसर प्रदान किया।

सुनवाई दिनांक को बिरला कारपोरेशन की ओर यह अवगत कराया गया कि अधिदत्त क्षेत्र ग्राम बिरहुनी जिला सतना रकबा 156.270 हेक्टर पर उन्हें पूर्व स्वीकृत खदान से लगा हुआ है एवं वह निकट भविष्य में ही एक तीसरा सीमेंट प्लांट स्थापित करने जा रहे हैं जिसके लिए उन्हें अतिरिक्त चुनापत्थर भंडार की आवश्यकता है। उन्हें इस स्वीकृत होने से राज्य शासन को भी अतिरिक्त राजस्व प्राप्त होगा एवं प्रदेश में सीमेंट उत्पादन में भी बढ़ोत्तरी होगी। अतः उनके द्वारा उद्योग लगाने के आधार पर इसे उन्हें स्वीकृत करने का निवेदन किया।

सुनवाई दिनांक को मुकुन्द जायसवाल के द्वारा यह तर्क प्रस्तुत किया गया कि उनके द्वारा अधिदत्त क्षेत्र उनके परिवार की निजी भूमि है जो उसे स्वीकृत की जावे। अन्य आवेदक बाद सुनवाई के अनुपस्थित रहे।

यह कि राज्य शासन द्वारा यह क्षेत्र इस आधार पर खूना घोषित किया गया था कि जो आवेदक बड़ा उद्योग स्थापित करेंगे उन्हें खनिज रियायत देने में प्रथमिकता दी जावेगी। चूंकि मात्र बिरला कारपोरेशन लिमिटेड द्वारा ही एक और सीमेंट प्लांट स्थापित करने के लिए चुनापत्थर की मांग की गई है। भारत सरकार द्वारा भी आवेदक के पूर्व रिवीजन आवेदन पत्र के निराकरण आदेश में आवेदक को अतिरिक्त क्षेत्र उपलब्ध कराने का सुझाव दिया गया है। कमेण्टर सतना द्वारा यह अवगत कराया गया है कि बिरला कारपोरेशन लि. द्वारा खनिज क्षेत्रों में अधिदत्त क्षेत्र 110-82 एकड़ क्षेत्र में से मात्र 6.06 एकड़ भूमि है। अन्य आवेदक श्री मुकुन्द जायसवाल के माताजी की है न कि उनकी स्वयं की ओर न ही मुकुन्द जायसवाल अधिदत्त क्षेत्र में उपलब्ध खनिज पर कोई उद्योग स्थापित करने का वचन ही

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अनुबंध निष्पादन के पूर्व यह सुनिश्चित करें कि छविपट्टों में स्वीकृत क्षेत्र वनसंरक्षण अधिनियम, 1980 के प्रावधानों से प्रभावित तो नहीं होता है एवं आवेदक के ऊपर छवि संबंधी कोई राशि बकाया तो नहीं है।

11/ जेब छविपट्टा आवेदन पत्र के आवेदकों द्वारा अभिलेखना अनुसार जिससे कि क्षेत्र खूला घोषित किया गया था के अनुसार तीमेंट अवसा अन्य कोई बड़ा उपयोग स्थापित नहीं करने के कारण एवं क्षेत्र उपलब्ध नहीं होने से एतद्वारा निरस्त किए जाते हैं।

मध्यप्रदेश के राज्यपाल के नाम से तथा
आदेशानुसार,

हस्ताक्षर

{डॉ. विक्रम जे. एस. लाम्बा}

अवर सचिव
मध्यप्रदेश शासन
छवि संधन विभाग

पु. प्र. एक 2-163/2001/12/2

गोपाल, दिनांक 11/2/01

प्रतिनिधि- कलेक्टर, जिला सतना म. प्र. की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु

- 2- संचालक, भूमिकी तथा छविकर्म म. प्र. गोपाल
 - 3- डिप्टी कलेक्टर जनरल ऑफ माइंस सेप्टी धनबाद
 - 4- कन्ट्रोलर जनरल इंडियन ब्लूरो ऑफ माइंस नागपुर
 - 5- क्षेत्रीय खान नियंत्रक भारतीय खान ब्लूरो जबलपुर
 - 6- श्री अजय मिश्रा, पुत्र श्री आर. एन. मिश्रा, धावरी जिला सतना म. प्र.
 - 7- श्री राधेचन्द्रकुमार अग्रवाल निवासी जैतवारा जिला सतना म. प्र.
 - 8- मो. पांडव खान पुत्र श्री एम. एस. खान, द्वारा कलेक्टर जिला सतना म. प्र.
 - 9- मेसर्स प्रिजम सीमेंट लिमिटेड ग्राम मनकलरी पो. बठिया जिला सतना म. प्र.
 - 10- मेसर्स बिरला कारपोरेशन लिमिटेड पो. बिरला विकास जिला सतना म. प्र.
 - 11- श्री सुकुन्द जायसवाल, जायसवाल गधन, कोलगांव जिला सतना म. प्र.
- की ओर सूचनार्थ।

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हस्ताक्षर
अवर सचिव

मध्यप्रदेश शासन, छवि संधन विभाग



FORM-K 3733

MODEL FORM OF MINING LEASE

(See Rule 31)

THIS INDENTURE made this 30-12-2005 day of 200 between the Governor of _____ the President of India (hereinafter referred to as the State Governments which expression shall where the context so admits be deemed to include the successors and assigns) of the one, part, and _____ (Name of person with address and occupation) (hereinafter referred to as "The Lessee" which expression shall where the context so admits be deemed to include his heirs, executors, administrators, representatives and permitted assigns

When the Lessee is an individual

When the Lessee are more than one individual

When the Lessee is a Registered Firm

When the Lessee is a Registered Company

(Name of person with address and occupation) and _____ (Name of person with address and occupation) (hereinafter to be called as the lessee which expression shall where the context so admits be deemed to include their respective heirs, executors, administrators, representatives and their permitted assigns

(Name and address of partner) son of _____ of _____ son of _____ of _____ son of _____ of _____ son of _____

all carrying on business in partnership under the firm name and style of _____ (Registered under the Indian Partnership Act 1932 (9 of 1932) and having their registered office at _____ in the town of _____ (hereinafter referred to as 'The Licensee' which expression where the context so admits be deemed to include all the said partners their respective heirs, executors, legal representatives and permitted assigns).

M/s Birla Corporation Ltd Cement division Satna
(Name of Company) a company registered under COMPANY'S Act 1956 under which incorporated) and having its registered office at 9/1 R.N. Mukherjee Road, Calcutta. (Address) (hereinafter referred to include its successors and permitted assigns) of the other part.

WHEREAS THE Lessee has/have applied to State Government in accordance with the mineral concession Rules 1960 (hereinafter referred to as the said Rules) for a mining lease for limestone. In respect of the lands described in Part I of the Schedule hereunder written and has/have deposited with the State Government the sum of Rs.10,000/- as security & the sum of Rs.1,000/- for meeting the preliminary expenses for a mining lease (and WHEREAS the Central Government has approved the grant of the lease)

WITNESSETH that in consideration of the rents and royalties covenants and agreements by and in these presents and the schedule hereunder written reserved & contained and on the part of the lessee/lessees to be paid observed and performed the State Government (with the approval of the Central Government) hereby grants and demises unto lessee/lessees.

All those the mines beds/veins seems of LIMESTONE (here the mineral or minerals) [hereinafter and in the schedule referred to as the said rals situated lying and being in or under the lands which are referred to in part 1 the said schedule together with the liberties powers and privileges

बुद्धबाबू उप प्रधान
कारवा (ब.प्र.)

M/s BIRLA CORPORATION LTD.
(Cement Division)

9/1 R.N. Mukherjee Road, Calcutta

MAHAWANI
PUNJAB

राज्य खनि अधिकारी
सतना (म.प्र.)



1. ...
 2. ...
 3. ...
 4. ...
 5. ...

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[Signature]

(A) ...
 10th ...

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to be exercised enjoyed in connection herewith which are mentioned in part II of the said Schedule subject to the restriction and conditions as to exercise and enjoyment of such liberty powers and privileges which are mentioned in part III of the said Schedule EXCEPT and reserving out of this demise upto the State Government the liberties, powers privileges mentioned in part IV of the said Schedule TO HOLD the premises here granted and demise unto the lessees from the 30 day 1/1/2006 for the term of 30 years thence next ensuing YIELDING AND PAY therefore unto the State Government the several rents and royalties mentioned Part V of the said Schedule at the respective times therein specified subject to the provisions contained in Part VI of the said Schedule and lessee/ lessees hereby covenant with the State Government as in part VII of the said Schedule is expression and the State Government hereby covenants with the lessee/lessees as in part VIII the said schedule as expressed AND it is hereby mutually agreed between the part IX hereto as in part IX of the said Schedule is expressed.

IN WITNESS WHERE OF these presents have been executed in manner hereunder appearing day and year first above written.

The Schedule above referred to

PART - I THE AREA OF THIS LEASE

Location and area of the lease -

All that tract of lands situated at BIRHULI Description of area or are 56.270 Hectare in (Pargana) in Reghurajnagar the Registration Dist. Satna, Thana Kolgawan bear Cadastral Survey Nos. KHASRA NO. ENCLOSED containing an area of 56.270 Hectare or there about delineated on the plan here to annexed and thereon coloured RED and bounded as follows.

On the North by - VILLAGE BARIKALAN & BARAJ

On the South by - VILLAGE ONLY PART OF BIRHULI

On the East by - PART OF BIRHULI VILLAGE

and

On the West by - VILLAGE NAINA

Hereinafter referred to as "the said lands"

PART - II

Liberties, powers and privileges to be exercised and enjoyed by the lessee/lessees subject to the restrictions and conditions in part III.

1. Liberty and power at all times during the term hereby demised to enter upon the said lands and to search for mine bore big drill for win work press process convert carry away and dispose of the said Mineral/minerals.

To enter upon land
and search for win
work etc.

BIRLA CORPORATION LTD.

(D. S. MARWAHI)
President

मुख्य अधिकारी
सतना (म.प्र.)

Chagren



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1st-

1st-

- (11/1/00)

उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष
उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष
उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

214 B45 2190- (11/1/00)

उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

214 B45 2190-

जोसि विभागाध्यक्ष, विभागाध्यक्ष
उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष
उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

23 JAN 2006

उप-निदेशक, विभागाध्यक्ष, विभागाध्यक्ष

To sink drive &
make pits shafts &
incline etc.

2. Liberty and power for or in connection with any of the purpose mentioned in this part to sink drive make maintain and use in the said lands any pits shafts inclines drafts levels waterways airways, and other works [and to use maintain deepen or extend any existing works of the like nature in the said lands].

To bring and use
machinery
equipment, etc.

3. Liberty and power for or in connection with any of the purposes mentioned in this part to erect construct maintain and use on or under the said lands any engines machinery plant dressing floors furnaces coke ovens briq-kilns workshops store houses bungalows godowns sheds and other buildings and other works and conveniences of the like nature on or under the said lands.

To make roads and
ways and use
existing roads and
ways

4. Liberty and power for or in connection with any of the purposes mentioned in this part to make any tramways, railways roads, landing grounds and other ways in or over the said lands and to use maintain and go and repass with or without horses cattle wagons aircrafts locomotives or other vehicles over the same (or any existing tramways railways roads and other ways in or over the said lands) on such conditions as may be agreed to.

To get building and
road materials etc.

5. Liberty and power for in connection with any of the purposes mentioned in the part to quarry and get stone gravel and other building and roads materials and clay and to use and employ the same and to manufacture such clay into brisk or tiles and to use such bricks or tiles but not to sell any such material bricks or tiles.

To use water from
streams etc.

6. Liberty and power for or in connection with any of the purpose mentioned in this part but subject to the right of any existing or future lessees and with the written permission of Deputy Commissioner Collector to appropriate and use water from any streams water sources springs or other sources in or upon the said lands and to divert step up or down any such stream or water source and collect or impound any such water and to make construct and maintain any water-source culverts drains or reservoirs but not as to deprive any cultivated lands, villages, buildings or watering places for livestock of a reasonable supply of water as before accustomed not in any way to foul or pollute any streams or springs. Provided that the lessee/lessees shall not interfere with the navigation in any navigable stream or shall divert such stream without the previous written permission of the State Govt.

To use land for
staking heaping
depositing
purposes.

7. Liberty and power to enter upon and use a sufficient part of the surface of the such lands for the purpose of stacking heaping storing or depositing therein any produce of the mines or works carried on and any tools equipment earth and materials and substances dug or raised under the liberties & power mentioned in this part.

Beneficiation and
conveying away of
production.

8. (a) Liberty and power to enter upon and use a sufficient part of the said land to beneficiate any ore produced from the said lands and to carry away such beneficiated ore.

To make coke [To
be used in case of
coal only)

- (b) Liberty and power upon the said lands to convert into coke any coal or coal dust produced from the said lands and of carry away such coke.

For, BIRLA CORPORATION LTD.

(General Division)

1000 Tons per Week Works

1000 Tons per Week

S. MAHAWAR
President

सहायक खनि अधिकारी
भारत (म.प्र.)

Legged



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15 JAN 2006

15 JAN 2006

15 JAN 2006

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15 JAN 2006

15 JAN 2006

15 JAN 2006

To clear brushwood
to fell and utilise
trees, etc.

9. Liberty and power for or in connection with any of the purposes mentioned in this part and subject to the existing rights of others and save as provided in clause 3 of part III of this Schedule to clear undergrowth and brush wood and brush wood and to fell and utilise any trees or timber standing or found on the said lands provided that the State Govt. may ask the lessee/lessees to pay for any trees or timber felled and utilised, by him/them at the rates specified by the Deputy Commissioner Collector or the State Govt.

PART - III

Restrictions and conditions as to the exercise of the Liberties, Powers and Privileges in Part - II

No building etc.
upon certain places.

1. No building or thing shall be erected set up or placed and no surface operations shall be carried on or upon any public pleasure ground burning or burial groundings place held sacred by any class of persons or any house or village site public road or other place which the State Govt. may determine as public ground not in such a manner as to injure or prejudicially effect any building work property or rights of other persons and no Land shall be used for surface operations which is already occupied by persons other than the State Government for works or purpose not included in this lease. The lessee/Lessee shall not also interface with any right of way, well or tank.

Permission for
surface operations
in a land not already
in use

2. Before using for surface operations any land which has not already been used for such operations, the lessee/Lessee shall give to Deputy Commissioner/Collector of the District two calendar months previous notice in writing specifying the name or other description of the situation and the extent of the land proposed to be so used and the purpose for which the same is required and the said land shall not be so used if objection is issued by the Deputy Commissioner-Collector within two months after the receipt by him of such notice unless the objections so stated shall in reference to the State Government be annulled or waived.

To cut trees in
unreserved lands

3. The lessee/Lessee shall not without the express sanction to the Deputy Commissioner/Collector cut down or injure any timber or trees on the said lands but may without such sanction clear away any brushwood or undergrowth which interferes with any operations authorised by these presents. The Deputy Commissioner/Collector of the State Government may require the lessee/lessees to pay for any trees or timber felled and utilised by him/them at the rates specified by the Deputy Commissioner/Collector of the District.

To enter upon
reserved for lands

4. Notwithstanding any thing in this Schedule contained the lessee/lessees shall not enter upon any reserved forest included in the said lands without previous sanction in writing of the District Forest Officer not fell cut and use any timber or trees without obtaining the sanction in writing of that officer not otherwise than in accordance with such conditions as the State Government may prescribe.

No Mining
operations within 50
Meters of Public
works etc.

5. The lessee/Lessee shall not work or allow to be worked or carried on any mining operations after to any point within a distance of 50 metres from any railway line except with the previous written permission of the Railway Administration concerned or beneath any ropeway or any ropeway trestle or station except under in accordance with the written permission of the authority site owing the ropeway or

BHARAT COAL CORPORATION LTD.

S. S. MAHWAH,
President

राष्ट्रिय खनिज अधिकारी
सुदाम (व.प्र.)



from any reserved canal or other public work such as public road and buildings or inhabited site except with the previous written permission of the Deputy Commissioner/ Collector or any other officer authorised by the State Government in this behalf and other wise in accordance with such instructions, restrictive and condition either general or special which may be attached to such permission. The said distance of 50 metres shall be measured in the case of railway reservoir or canal horizontally from the outer toe of the tank or the outer edge of the cutting as the case may be and in case of a building horizontally from the plinth there of in the case of village roads no working shall be carried on within a distance of the 10 meters of the outer edge of the cutting except with the previous permission of Deputy Commissioner/ Collector or any other officer duly authorised by the State Government in this behalf and otherwise than in accordance with such directions, restrictions and additions, either general or special, which may be attached to such permission.

Explanation - For the purposes of this clause the expression 'Railway Administration shall have the same meaning as it is defined to have in the Indian Railway Act 1880, by clause(6) of section 3 of that Act, 'Public Road' shall mean a road which has been constructed by artificially surfaced as distinct from a track resulting from repeated use, Village road will include any track shown in the Revenue record as village road.

Facilities for
adjoining Govt.
license & lease

- 6 The lessee/lessees shall allow existing and future holder of Government licences or leases over any land which is comprised in or adjoins or is reached by the land held by the lessee/lessees reasonable facilities or access thereto.

PROVIDED THAT no substantial hindrance or interference shall be caused by such holders of licences or leases to the operations of the lessee/lessees under these presents and fair compensation [as may be mutually agreed upon or in the event of disagreement as may be decided by the state Government] shall be made to the lessee/lessees for loss or damage sustained by the lessee/lessees by reason of the exercise of this liberty.

PART - IV

Liberties, powers and Privileges reserved to the State Government

To work other
minerals

1. Liberty and Power for the State Government or to any lessee or persons authorised by it in that behalf of enter into and upon the said lands and to search for win work dig get raise dress process convert and carry away minerals other than the said minerals and any other substances and for those purpose to sink, drive, make, erect, construct maintain and use such pits shafts inclines drifts levels and other lines water ways, airways, water courses, drains, reservoirs, engine, engines machinery plant building canals tramways railways roadways and other works and conveniences as may be deemed necessary or convenient.

PROVIDED THAT in the exercise of such liberty and power no substantial hinderance, or interference shall be caused to or with the liberties powers and privilege of the lessee/lessees under these present and that fair compensation [as may mutually agreed upon or in consequence of disagreement as may be decided by the state Government] shall be made to the lessee/lesses for all loss or damage sustained by the lessee/lessees by reason or in consequence of the exercise of such liberty and power.

For BRLA CORPORATION LTD.
(Cement Division)

P. S. MARWAHI
President

सहस्रकर्मचारी
संघ (म.प्र.)

Aggall

To make Railways
and roads

2. Liberty and power for the State Government or any lessee or person authorised by it in that behalf to enter into an upon the said lands and to make upon over or through the same any railways, roadways or pipe lines for any purpose other than those mentioned in part II of these presents and to get from the said lands stones gravel earth and other materials for making maintaining and repairing such railways tramways and roads or any existing railways and roads and to go and repass at all time with or without horses, cattle or other animals carts, wagons, carriages locomotives or other vehicles over or along any such Railways, tramways, roads lines and other ways for all purposes and as occasions may require provided that in the exercise of such liberty and power by such other lessee or person no substantial hinderance or interference shall be caused to or with the liberties powers and privileges of the lessee/lessees under these presents and that fair compensations as may be mutually agreed upon or in the event of disagreement as may be decided by the State Government shall be made to the lessee/lessees for all loss or damage substantial hinderance or interference shall be caused to or with the exercise by such lessee or person of such liberty and power.

PART - V

Rents and Royalties Reserved by this lease

To pay dead rent or
royalty whichever is
greater

1. The lessee shall pay for every year except first year of the lease yearly dead rent as specified in clause 2 of this Part.

Provided that where the holder of such mining lease becomes liable under section 9 of the Act to pay royalty for any mineral removed or consumed by him or by his agent manager, employer, Contractor or sub-lessee from the leased area he shall be liable to pay either such royalty or dead rent in respect of that area whichever is higher.

Rate and mode or
payment of dead
rent

2. Subject to the provisions of clause I of this part, during the substance of the lease the lessee/Lessees shall pay to the State Government annual dead rent for the lands demised and described in part I of this schedule at the rate for the time being specified in the third schedule to the Act in advance for the whole year on or before the 20th of the first month of the ensuing year in the District Treasury or Sub-Treasury.

Rate and mode of
payment of royalty

3. Subject to provisions of clause I of this part, the lessee/lessees shall during the substance of this lease pay to the State Government royalty in respect of any mineral/Minerals removed or consumed from the leased area during a month by him/them, or his/their agent manager, employee contractor or a sub-lessee exempt as exempted under section 9 (2-A) of the Act, on or before the 20th of the ensuing month in the Division District Treasury or sub treasury at the rate for the time being specified in the second Schedule of the mines and Minerals (Regulation and Development act, 1957.

Payment of surface
rent water rate

4. The lessee/lessees shall pay rent and water rate to the state government in respect of all parts of the said lands which shall from time to time be occupied or used by the lessee/lessees under the authority of the these presents at the rate of Rs. and Rs. respectively per annum per hectare of the area so occupied or used and in proportion for any area less than an hectare during the period from the commencement of such occupation or

COAL CORPORATION LTD.

(Sign)

For &

agent

IF S MARWAH

Principal

राजस्थान राज्य सरकार
मुख्य (य.प्र.)

use until the area shall cease to be occupied or used and shall as for as possible rent & the surface land so used to its original condition surface rent and water rate shall be paid as hereinbefore detailed in class 2. PROVIDED THAT NO such rent water rate shall be payable in respect of the occupation and use of the area comprised in any road or ways to which the public have full right of access.

PART - VI

PROVISION RELATING TO THE RENTS AND ROYALTIES

Rent and royalties to be free from deductions etc.

1. The rent water rate and royalties mentioned in Part V of this Schedule shall be paid free from any deductions the State Government at Satna and in such manner as the State Government may prescribe PROVIDED ALWAYS and it is hereby agreed that Rs.1000/- the balance standing to the credit of the lessee/leesses on account of the deposit made by him/ them as a licensee/licensees over area which included the said lands shall be retained and receipted by the State Government in satisfaction of the rents and royalties mentioned in part V until they reach that amount.

Mode of computation of royalty

2. For the purpose of computing the said royalties the lessee/lessees shall keep a correct account of the mineral/minerals produced and despatched the accounts as well as the weight of the mineral/minerals in stock or in the process of export may be checked by an officer authorised by the Central or State Government.

Here specify the mode of arriving at sale price, prices at pits mouth of mineral/minerals.

Course of action if rents & royalties are not paid in time

3. Should any rent, royalty or other sums due to the State Government under the terms and conditions of these presents be not paid by the lessee/lessees within the prescribed time the same together with a simple interest due thereon at the rate of 15% per annum may be recovered on a certificate of such officer as may be specified by the state Government by general or special order in the same manner as an arrear of land revenue.

PART - VII

The Covenants of the Lessee/Lessees

Lessee to pay rents & royalties taxes etc.

1. The lessee/lessees shall pay the rent, water rate and royalties reserved by this lease at such times and in the manner provided in PARTS V & VI of these presents and shall also pay and discharge all taxes, rules, assessments and impositions whatsoever being in the nature of public demands which shall from time to time be charged/assessed or imposed by the authority of the Central and State Govt. upon or in respect of the premises and works of a like nature except demands for land revenues.

To maintain & keep boundary mark in good order

2. The lessee/lessees shall at his their own expense erect at all time maintain and keep in repair boundary marks and pillars according to the demarcation to be shown in the plain annexed to this lease. Such marks and pillars shall be sufficiently clear of the shrubs and other obstructions as to allow easy identification.

For, BIRLA CORPORATION LTD.

(Cement Division)

State Satna Cement Works
Cement

S. MAHWALI
President

सहायक सी. ए. अधिकारी
राज्य (स.स.)

To commence operations within two years and work in a workman-like manner

3. The lessee/ lessees shall commence operation within two years from the date of execution of the lease and shall thereafter at all times during the continuance of this lease search for, win, work and develop, the said minerals without voluntary intermission in a skilful and workman-like manner and as prescribed under clause 12 hereinafter without doing or permitting to be done any unnecessary or avoidable damage to the surface of the said lands or the crops buildings structure or other property thereon. For the purpose of this clause operations shall include the erection of machinery, laying of a tramway or construction of a road in connection with the mine.

To indemnify Government against all claim

4. The lessee/lessees shall make and pay such reasonable satisfaction and compensation as may be assessed by lawful authority in accordance with the law enforce on the subject for all damage injury or disturbance which may be done by him/them in exercise of the powers granted by this lease and shall indemnify and keep indemnified fully and completely the State Government against all claims which may be any person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection there with.

To secure & keep good condition pit shafts etc

5. The lessee/lessees shall during the subsistence of this lessee will and sufficiently secure and keep open with timber or other durable means all pits shaft and working that may be made or used in the said lands and make and maintain sufficient fence to the satisfaction of the State Government round every such pits shaft or working weather the same is abandoned or not and shall during the same period keep all working in the said lands except such as may be abandoned accessible free from water and foul air as far as possible.

To strengthen and support the mine to necessary extent

6. The lessee/lessees shall strengthen and support to the satisfaction of the Railway Administration concerned or the State Government as the case may be any part of the mine which is its opinion reputes such strengthening or support for the safety of any railway reservoir, canal road and any other public work of structures.

To allow inspection of working

7. The Lessee/Lessees shall allow any officer authorised by the Central Government to or the State Govt. In that behalf to enter upon the premises including any building excavation or land comprised in the lease for the purpose of inspecting, examining, surveying prospecting and making plans thereof sampling and collecting a date and the lessee/lessees shall with proper person employed by the lessee/lessees and acquainted with the mines and work effectively assist the officer, Agents, Servants and workman in conducting every such action and shall afford them all facilities information conducted with them the working of the mines which they may, reasonably require and also shall and will conform to and observe all orders and regulations which the Central and State Governments as the results of such inspection or otherwise may from time to time are fit to impose (No.M-11 169 (44 of Date 7.9.61).

To report accident

8. The Lessee/Lessees shall without delay send to the Deputy Commissioner/ Collector a report or any accident causing death of serious bodily injury or serious to property or seriously affecting or endangering life, or property which may occur in the course of the operations under this lease.

SHRI LAL CORPORATION LTD.

S. MARWAHI
President

20/12/61
TO THE DEPT. SECRETARY
MINE (M.M.)

To report discovery
of other Minerals

9. The lessee/Lessee shall report to the State Government the discovery leased area of any mineral not specified in the lease within sixty days of such discovery alongwith full particulars of the nature and position of each such find. If any mine specified in the lease is discovered in the leased area, the lessee/lessees shall not dispose of such mineral unless such mineral is included in the lease or a separate obtained thereof.

To keep records & accounts
recording production
& employees etc.

10. The Lessee/Lessees shall at all time during the said terms keep or cause to at an office to be situated upon or near the said lands correct and intelligible accounts, which shall contain entries showing from time to time.

1) Quantity and quality of the said mineral/minerals realised from the said lands.

2) Quantity of the various qualities of ores beneficiated or converted (for coal converted into coke)

3) Quantity of the various qualities of the said mineral/minerals sold and exported separately.

4) Quantities of the various qualities of the said mineral/minerals otherwise disposed of and the manner and purpose of such disposal.

5) The prices and shall other particulars of said mineral/minerals.

6) The number of person employed in the mines or works or upon the said lands specifying nationality, qualifications and pay of the technical personnel.

7) Such other facts, particulars and circumstances as the Central or the State Govts. may from time to time require and shall also furnish free of charge to such officers and at such times as the Central and State Governments may appoint true and correct abstracts of all or any such books of accounts and such information and returns to all or any of the matters aforesaid as the State Govt. may prescribe and shall at all reasonable times allow such officers as the Central Govt. or State Govt. shall in their behalf appoint to enter into and have free access to the said officer for the purpose of examining and inspecting the said books of accounts and to make copies thereof and make extracts therefrom.

- To maintain plans etc.

11. The lessee/lessees shall at all times during the said term maintain at the mine office correct intelligible up-to-date and complete plans and section of the mines in the said lands. They shall show all the operations and workings and all the trenches, pits and drillings made by him/them in the course of operations carried on by him/them under the lease, faults and other disturbances encountered and geological data and all such plans and sections shall be amended and filled up by and from actual surveys to be made for that purpose at the end of twelve months or any period specified from time to time and the lessee/lessees shall furnish free of charge to the Central and State Govt. true and correct copies of such plans and Sections whenever these unto required. Accurate records of all trenches, pits and drillings shall show: -

F.M. BIRLA CORPORATION LTD.
(Incorporated in India)

MARWAH)
President

30/12/2019
प्रमुख ज्ञान अभिकर्ता
सतना (प.प्र.)
Incharge

- a) The sub soil and strata through which they pass.
- b) Any mineral encountered.
- c) Any other matter of interest and all data required by the Central and State Governments from time to time.

The Lessee/Lesseees shall allow any officer of the Central or the State Government authorised in this behalf by the Central Government to inspect the same at all reasonable times. He/they shall also supply when asked for by the State Government the Coal Controller, Director Geological Survey of India Bureau of Mines a composite plan of the area showing thickness, dip inclination etc. of all the areas as also the quantity of receipts qualitywise.

- 11 A. The lessee shall pay a wage not less than the minimum wage prescribed by the Central or State Government from time to time.
- 11 B. The lessee shall comply with provisions of the Mines Act, 1952 and the rules made thereunder.
- 11 C. The lessee shall take measures for the protection of environment like planning trees, reclamation of land, use of pollution control device; and such other measures as may be prescribed by the Central or State Government, from time to time, at his own expense.
- 11 D. The lessee shall pay compensation to the occupier of the land on the date and in the manner laid down in these rules.
- 11 E. The lessee shall, in the matter of employment, give preference to the tribals and to the persons who become displaced-because of the taking up of mining operations.
- 12. The lessee/lesseees shall be bound by such rules as may be issued from time to time by the Government of India under section 18 of the Mines and Minerals (Regulation and Development Act 1957 (Act 67 of 1957) and shall not carry on Mining or other operations under the said lease in any way other than the prescribed under these rules.
- 13. Unless specifically exempted by the State Govt. the lessee/ lesseees shall provide and at all times keep at or near the pit head or each of the pit head at which the said minerals shall be brought to bank a properly constructed and efficient weighing machine and shall weigh or cause to be weighed thereon all the said minerals from time to time brought to bank sold exported and converted and also the converted products shall at the close of each day cause the total weights, ascertained by such means of the said minerals ores products raised sold exported and converted during the previous twenty four hours to be entered in the aforesaid books of accounts. The lessee/lesseees shall permit the State Govt. at all times during the said term to employ any person or persons to be present at the weighing of the said minerals as aforesaid and to keep accounts thereof and to check the accounts kept by the lessee/lesseees. The lessee/Lesseees shall give seven days previous notice in writing to the Deputy Commissioner/ Collector or every such measuring or weighing in order that some officer on his behalf may be present thereat.

Act 67 of 1957

To provide weighing machine

COAL MINING CORPORATION LTD.

M. S. S. A. H.

Signature

To allow test of
weighing machine

14. The lessee/lessees shall allow any person or persons appointed in that behalf by the State Govt. at any time or times during the said term to examine and test every weighing machine to be provided and kept as aforesaid and the weights used there with in order to ascertain whether the same respectively are correct and in good repair and order and if upon any such examination or testing any such weighing machine or weights shall be found incorrect or out of repair order the state Government may require that the same be adjusted repaired and put in order by at the expense of the lessee/lessees and if such requisition be not complied with within fourteen days after the same shall have been made; the State Government may cause such weighing machine or weights to be adjusted repaired and put in order and the expense of so doing shall be paid by the lessee/lessees to the state Government on demand and if upon any such examination or testing as aforesaid any error shall be discovered in any weighing machine or weights to the prejudice of the State Government such error shall be regarded as having existed for three calendar months previous to the discovery thereof from the last occasion of so examining and testing the same weighing machine and weights in case such occasion shall be within such period of three months and the said rent and royalty shall be paid and accounted for accordingly.

To pay
compensation for
injury or third parties

15. The lessee/lessees shall make and pay reasonable satisfaction and compensation for all damage injury or disturbance of person or property situated both in private and Government land which may be done by or on the part of lessee/lessees in exercise of the liberties and power granted by these presents and shall at all times have harmless and keep indemnified the State Govt. from the and against all suits. Claims and demands which may be brought or made by any person or persons in respect of any such damage, injury or disturbances. In case of Govt. Land the lessees shall grant compensation equal to sixty or ninety times of land revenue (that may be assessed in case it has not been assessed) in case of lease upto 20 and 30 years respectively.

Not to obstruct
working of other
minerals

16. The lessee/lessees will exercise the liberties and powers here by granted in such a manner as to offer no unnecessary or reasonably avoidable obstruction or interruption to the development and working within the said land, of any minerals not included in this lease and shall at all times afford to the Central and State Government and to the holders of prospecting licences or mining lease in respect of any such minerals within any land adjacent to the said lands as the said lands as the case may be reasonable means to access and safe and convenient passage upon and across the said lands to such minerals for purpose of getting working developing and carrying away the same provided that the lessee/lessees shall receive reasonable compensation for any damage or injury which he/they may sustain by reason or in consequence of the use of such passage by such lessee or holders of prospecting licences.

Transfer of lease

17. The lessee/lessees shall not without the previous consent in writing of the State Government.

- a) assign, subject, mortgage or in any other manner transfer the Mining lease or any right title or interest therein or

For, BIRLA CORPORATION LTD.
(Cement Division)
Units Seta Cement Works
Cement

MAHWAH
President

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- b) enter into or make any arrangement contract or understanding whereby the lessee/lessees will or may be directly or indirectly financed to a substantial extent by, or under which the lessees, operations or undertakings will or may be substantially controlled by any persons body of persons other than lessee/lessees.

Provided that the State Government shall not give its written consent unless –

- a) the lessee has furnished an Affidavit along with this application for transfer to the Mining lease specifying therein the amount that he has already taken or proposes to taken as consideration from the transferee
- b) the transfer of the Mining lease is to be made to a person or body directly undertaking Mining operations.
- 2) Without prejudice to the above provisions, the lessee/lessees may subject to the conditions specified in the proviso to rule 35 of the said Rules transfer this lease or any right, title or interest therein to a person holding a certificate of approval and an Income-Tax clearance certificate from the Income-Tax Officer concerned on payment of a fee of Rupees one Hundred to the State Government.

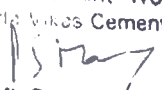
Provided that the lessee/lessees shall make available to the transferee the original or certified copies of all plans of abandoned working in the area and in a belt 65 metres wide surrounding it.

Provided further that where mortgage is an institution or bank or a Corporation specified in Schedule V it shall not be necessary for any such institution or bank or Corporation to hold the said certificate or Approval and the said Income-tax clearance certificate.

- 3) The State Government may, by order in writing determine the lessee at any time if the lessee/lessees has/have in the opinion so the State Govt. committed a breach of any of the above provisions or has/have transferred the lease or any right, title or interest therein otherwise than in accordance with clause (2) provided that no such order shall be made without giving the lessee/lessees a reasonable opportunity of stating his/their case.

18. The lessee shall not be controlled and the lessee/lessees shall not allow themselves to be controlled by any trust, syndicate, Corporation, Firm or person except with the written consent of the controlled by Central Govt. the lessee/lessees shall not enter or may be directly or indirectly financed by or under which the lessee/lessees operations or undertaking will or may be carried on directly by or indirectly or for the benefit of or subject to the Control of any Trust, Syndicate, Corporation, Firm or person unless with the written sanction given prior to such arrangement compact or understanding being entered into or made of the Central Government and any or every such arrangement compact or understanding as aforesaid (entered into or made with suction as

Not to be
financed or a trusts
Corporation firm of
person

For, BIRLA CORPORATION LTD.
(Cement Division)
Units: Satna Cement Works
Birla Vides Cement

(P. S. MARWAHI
President


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सचिव (स.स.)

aforesaid) shall only be entered into or made and shall always be subject to an express condition binding upon the other party or parties there to that on the occasion of a State of Emergency of which the president of India in his discretion shall be the sole judge it shall be terminable if so required in writing by the State Government and shall in the event of any such requisition being made be forth with thereafter determined by the lessee/lessees accordingly.

Lessee shall deposit
any additional
amount necessary



Delivery of working
in good order to
state Govt. after
determination of
lease

19. Whenever the security deposit of Rs.10,000/- or any part thereof or any further sum thereafter deposited with the State Government in replenishment thereof shall be forfeited or applied by the Central or State Govt. pursuant to the power hereinafter declared in that behalf he lessee/lessees shall deposit with the State Government such further sum as may be sufficient with the unappropriated part thereof to bring the amount in deposit with the State Government upto the sum or Rs.10,000/-.

20. The lessee/lessees shall at the expiration or sooner determination of the said term or any renewal thereof upto the State Government all mines pits shafts inclines drifts levels waterways airways and on or under the said lands except such as have been abandoned with the sanction of the State Government and in any ordinary any fair course of working all engines, machinery, plant buildings, structures, other works and convenience which at the commencement of the said term whereupon or under that said land and all such machinery set up by the lessee/lessees below ground which cannot be removed without causing injury to the mines or work under the said lands except such of the same as may with sanction of the State Government have become discussed and all buildings and structures of bricks or stone erected by the lessee/lessees above ground level in good repair order and conditions and fit al respects for further working of the said mines and said minerals.

Right of
pre-exemption

21. (a) The State Government shall from time to time and all times during the said term have the right (t) be exercised by notice in writing to the lessee/lessees laying in or upon the said lands, hereby demised or elsewhere under the control of the lessee/lessees and the lessee/lessees shall with all possible expenditure deliver all minerals or products or minerals purchased by State or pre-emption of the said minerals (and all products Government under the power conferred by this provision in the quantities at the time in the manner and at the place specified in the notice exercising the said right.
- (b) Should the right or pre-emption conferred by this present provision be exercised and vessel chartered to carry the minerals or products thereof procured on behalf of the State Govt. or the Central Govt. be detained on demurrage at the part of loading the lessee/lessees shall pay the amount due for demurrage according to the terms of the chartered party of such vessel unless the state government shall be satisfied that the delay is due to cause beyond the control of the lessee/lessees.
- (c) The price to be paid for all minerals or products of minerals taken in pre-emption by the State Govt. in exercise of the right hereby conferred shall be the fair market price prevailing at the time of pre-emption PROVIDED THAT in order to assist the arriving at the

For BIRLA CORPORATION LTD.

(Cement Division)

Works
Cement

S. MARWAH
President

राज्य सरकार के अधिकारी
अलग (म.प्र.)

said fair market price the lessee/lessees shall if so required furnish to the State Governments for the confidential information of the Government particulars of the quantities descriptions and prices, of the said minerals or Products thereof sold to other customers and of charters entered into for freight or carriage of the same and shall produce to such officers as may be directed by the State Govt. original or authenticated copies of contracts and charter parties entered into for the sale of freightage of such minerals or products.

- (d) In the event of the existence of a state of war or emergency (of which existence the President of India shall be the sole judge and a notification to this effect in the Gazette of India shall be conclusive proof) the State Government with the consent of the Central Govt. shall from time to time all time during the said term have the right (to be exercised by a notice in writing of the lessee/lessees) forthwith take possession and control of the works

plant, machinery and premises of the lessee lessees on or in connection with the said lands or operation under this lease and during such position or control the lessee/lessees shall conform and obey all directions given by or on behalf of the Central Government of state Government regarding the or employment of such work plant, premises and minerals PROVIDED and fair compensation which shall be determined in default of Agreement by the state Government shall be paid to the lessee/lessees for all loss or damage sustained by him them by/reason or in consequence of the exercise of the power, conferred by this clause and PROVIDED also that the exercise of such powers shall not determine the said term hereby granted or effect the terms and provisions of those present further than may be necessary to give effect to the provisions of this clause.

Employment of
foreign national

22. The lessees shall not employ in connection with the mining operation any person who is not an Indian national except with the previous approval of the Central Govt.

Recovery of
expenses incurred
on the State Govt.

23. If any of the works or matters which in accordance with the convenient in that behalf therein before contained are to be carried or performed by the lessee/lessees be not to carried out or performed within the time specified in that behalf, the State Government may cause the same to be carried out or preferred and the lessee/lessees shall pay the State Govt. on demand all expenses which shall be incurred in such carrying out or performance of the same and the decision of the State Govt. as to such expense shall be final.

Furnishing of
geophysical data

24. The lessee/lessees shall furnish
- (a) All geophysical data relating to Mining held or engineering and ground water surveys such as anomaly map plans logging collected by him/them during the course of mining operations to the Director, Geological Survey of India, Calcutta.
- (b) All information pertaining to investigations of radio active minerals collected by him/them during course of mining operation to the Secretary Department of Atomic Energy, New Delhi)

Data or information referred to above shall be furnished every year reckoned from the date of commencement of the period of the Mining Lease

THE BURLA CORPORATION LTD.
(Mining Division)

works

MARWAH
President

सुनी अधिकारी
(स.स.)

PART - VIII

The covenants of the State Government

Lessee/Lessees
may hold enjoy
rights quietly.

1. The lessee/lessees paying the rents and royalties hereby reserved and observing and performing all the covenants and agreements contained and on the part of the lease/lessees to be observed and performed shall and may quietly hold and enjoy the rights and premises hereby demised for an during the term hereby granted without any unlawful interruption from or by the State Govt. or any person rightfully claiming under it.
2. If in accordance with the provision of Clause 4 of part VII of this Schedule the lessee/lessees shall offer to pay to an occupier of the surface of any part of the said lands compensation for any damage or injury which may arise from the proposed operations of the lessee/lessees and the said occupier shall refuse his consent to the exercise of the right and powers reserved to the State Govt. and demised to the lessee/lessees by these presents and the lessee/lessees shall report the matter to the State Govt. and shall deposit with it the amount offered as compensation and if the Central and State Govt. are satisfied that the amount of compensation offered is fair and reasonable or if it is not so satisfied and the lessee shall have deposited with it such further amount as the State and Central Govt. shall consider fair and reasonable the State Govt. shall order the occupier to allow the lessee/lessees to enter the land and to carry out such operations as may be necessary for the purpose of this lease. In assessing the amount of such compensation the State Govt. shall be guided by the principles of the Land Acquisition Act.

Acquisition of lands
of third parties and
compensation
thereof

To Renew

3. The mining lease is renewable in terms of the provisions of the Act and the rules made thereunder.

Provided that the State Government may for reasons to be recorded in writing reduce the area applied for.

If the lease is in respect of minerals specified in First Schedule to the Act renewed will be subject to the prior approval of the Central Government.

If the lessee/lessees be desirous of taking a renewed lease of the premises hereby demised or any part or parts of them for a further term from the expiration of the term hereby granted and is otherwise eligible, he/they shall prior to the explanation of the last mentioned term give to the State Govt. six calendar months previous notice in writing and shall pay the rents, rates and royalties hereby reserved and shall observe and perform the several covenants and agreement herein contained and on the part of the lessee/lessees to be .. and performed upto the explanation of the term hereby granted. The State Govt. on receipt of application for renewal shall consider it in accordance with rule 280 the said rules and shall pass orders as it deem fit. If renewal is granted the State Govt. will at the expense of the lessee/lessees and upon his executing and delivering to the State Govt. if required a counterpart thereof execute and delivery to the lessee/lessees a renewed lease of the said premises or part thereof for the further 10 years at such rents rates and royalties and on terms and subject to such covenants and agreements including the present covenants to renew as shall be in accordance with the mineral concession Rules 1960 applicable to LIMESTONE (Names of minerals) on the day next following the explanation of the term hereby granted.

For, BIRLA CORPORATION LTD.
(Cement Division)

Works
Manager

Signature
President

Signature
Secretary (M.D.)

Liberty to determine
the lease

4. The lessee/lessees may at anytime determine this lease by giving not less than 12 calendar month notice in writing to the State Government or to such officer, or authority as the State Govt. may specify i this behalf and upon the expiration of such notice provided that the lessee/lessees shall upon such explanation tender and pay all rents water rates, royalties compensation for damages and other moneys which may then be due and payable under these presents to the lessor or any other person or persons and shall deliver these present to the State Government then this lease and the said term and the liberties powers and privileges hereby granted shall absolutely lease and determine but without prejudice to any right or remedy of the lesser in respect of any breach of any of the covenants or agreements contained in these presents.

4A) The State Govt. may on an application made by the lessee permits him to surrender one or more minerals from his lease which is for a group of minerals on the ground that deposits of that mineral have since exhausted or depleted to such a extent that is so long as possible to work the mineral economically subject to the condition that the lessee.

(a) Makes an application for such surrender of mineral at least six months before the intended date of surrender and

(b) given an undertaking that he will not cause any hindrance in the working of the minerals so surrendered by any other person who is subsequently granted a mining lease for that Mineral.

Refund of security
deposit

5. On such date as the State Government may elect within calendar months after the determination of this lease or of any renewal thereof, the amount of the security deposit paid in respects of this lease and then remaining in deposit with the State Govt. and not required to be applied to any of the purposes mentioned in this lease shall be refunded to the lessee/lessees. No interest shall run on the security deposit.

PART IX

General Provisions

Obstructions to
inspection

1. In case the lessee/lessees his/their transfer assignee do not allow entry or inspection by the officers authorised by the Central or State Govt. under Clause (1)(1) of (1) sub-rule (1) of rule 27 of said Rules the State Govt. shall give notice in writing to the lessee/lessees requiring him/them to show cause within such time as may be specified in the notice why the lease should not be determined and his/their security deposit forfeited and of the lessee/lessees fails to fall show cause within the aforesaid time in the satisfaction of the State Government may determine the lease and ... the whole or .. of the security deposit.

Penalty in case of
default in payment
of rent, water rate, royalty & breach

2. If the lessee/lessees or his/their transferring or assignee makes/make any default in payment of rent or water rate or royalty as required by Section 9 of the Act or commit breach of any of the conditions and covenants other than those referred to in clause (1) above the State Government shall give notice to the lessee/lessees requiring him/them to pay the rent water rate, royalty or remedy the breach as the case may be within sixty days from the date of receipt of the notice and if the rent, water rate and royalty are not paid or the breach is not remedied within such period, the State Government may without prejudice to any proceedings that may be taken against him/them determine the case and forfeit the whole or part of the

Penalty for repeated
breachers to
covenants

Failure to fulfill the
terms of lease due
to "Force Majeure"



Lessee/Lesseees to
remove his/ their
properties on the
expiry of lease

Forfeiture of
property left more
than six months
after
determination of
lease

Notice

3. In cases of repeated breaches of covenants and agreements by the lessee/lessees for which notice has been given by the State Government in accordance with clauses (1) and (2) afore mentioned on earlier occasion, the State Government without giving any further notice, may impose such penalty not exceeding twice the amount of the annual deed rent specified in clause 2 part V.
4. Failure on the part of the lessee/lessee to fulfill any of the terms and conditions of this lease shall not give the central of State Government any claim against the lessee/lessees or be deemed breach of this lease in so far as such failure is considered by the said Government to arise from "Force Majeure" and if through "Force Majeure" the fulfillment by the lessee/lessees of any of the terms and condition of this lease be delayed the period of such delay shall be added to the period fixed by this lease. In this clause the expression "Force majeure" means Act of God, war, insurrection, riot, civil commotion, strike earthquake, tide, storm, tidal wave flood, lightning, explosion, fire earthquake and any other happening which the lessee/lessees could not reasonably prevent or control.
5. The lessee/lessees having first paid and discharged the rent and royalties payable by virtue of those presents may at the expiration or sooner determination of the said term or within six calendar months thereafter (unless the lease shall be determined under clauses 1 and 2 of this part and in that case at any time not less than three calendar months not more than six calendar months after such determination take down and remove for his/their own benefit all or any engines, machinery, plant, building structure tramways, railways and other works, erections and convenience which must have been erected set up or placed by the lessee/lessees in or upon the said lands and which the lessee/lessees is are not bound to deliver to the State Government under clause 20 of Part VII of this Schedule and which the State Government shall not desire to purchase.
6. If at the end of six calendar months after the expiration or sooner determination of the said term under the provision contained in clause 4 of Part VIII of this schedule become effective there shall remain in or upon the said land any ²[ore or mineral] engines, machinery plant buildings structures tramways, Railways and other work erections and convenience or other property which are not required by the lessee/lessees in connection with operations in any other lands hold by him/them under prospecting licence or mining lease the same shall if not removed by the lessee/lessees within one calendar month after notice in writing requiring their removal has been given to the lessee/lessee by the State Government be deemed to become the property of the State Govt. and may be sold or disposed of in such manner as the State Govt. shall deem fit without liability to pay any compensation or to account to the lessee/lessees in respect thereof.
7. Every notice by these presents required to be given to the lessee/lessees shall be given in writing to such person resident on the said lands as the lessee/lessees may appoint for the purpose of receiving such notices and if there shall have been no such appointment then every such notice shall be sent to the lessee/lessees by registered post addressed to the lessee/lessees at the address recorded in this lease or at such other address in India as the lessee/lessees may from time to time in writing to the State Govt. designate for the receipt of notices and every such service shall be deemed to be proper and valid service upon the lessee/lessees and shall not be questioned or challenged by him/them.

For, BIRLA CORPORATION LTD.

(Cement Division)

Units: Satna Cement Works

Birla Vikas Cement

(P. S. MARWAH)
President

Chaitanya
22/11/2019
2019/11/22
(P.S.)


When any event the orders of the State Government a revised, renewed or cancelled by the Central Government in pursuance of proceedings under Chapter VII of the mineral Concession Rules 1960 the lessee/lessees shall not be entitled to compensation for any loss sustained by the lessee/lessees in exercise of the powers and privilege conferred upon him/their by these presents.

The lease is executed at SATNA the capital town of the State of Madhya Pradesh (name of the State) and subject to the provision of Article 226 of the Constitution of India, it is hereby agreed upon by the lessee and the lessor that in the event of any dispute in relation to the lease and lease, condition of lease, the dues realizable under the lease and in respect of all matters touching the relationship of the lessee and the lessor, the suits (or appeals) shall be filed in the civil courts at SATNA (name of the city) and it is hereby expressly agreed that neither party shall be competent to file a suit or bring any action or file any petition at any place other than the courts named above.

For the purpose of stamp duty the anticipated royalty from the leased land Rs. 10,80,000.00 per year

WITNESS WHEREOF these presents have been executed in the presence hereunder appearing the day and year first above written.

Signed by

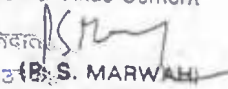

सहायक सचिव अधिकारी
सतना (for) and behalf of the Governor/President of India


COLLECTOR

in the presence of

Signed by the lessee

For, **BIRLA CORPORATION LTD.**
(Cement Division)
Units: Satna Cement Works
Birla Vikas Cement


S. MARWAHA
President

Dr. Rana Mohan Singh

3 JAN 2006

आज लाईसन्स...
 के प्रत्येक क्रमांक...
 3501 के पृष्ठ...
 क्रमांक 3733 देकर पंजीयन 78+104.
 किया गया।



उप पंजीयन
 सतना

दस्तावेज उप पंजीयन
 धरवा (म.प्र.)

पुस्तक शुल्क...
 रजिस्ट्रार...
 21-11-2005 के दिनांक पर 125 रु. 00 पैसे
 के रजिस्ट्रार के पंजीयन...
 1000 -

योग 1000 -

नव पंजीयन

दस्तावेज उप पंजीयन
 धरवा (म.प्र.)

लिखित सतना के

BIRLA CORPORATION LIMITED (CEMENT DIVISION) SATNA

Khasra Schedule of Limestone Mining Lease area over an area of 56.270 Hectares
in village Birhuli, Tehsil Raghuraj Nagar, District Satna (M.P.)
(West side of the Satna Semariya Road)

Sl.No.	Khasra No.	Area in Hec.	Area Required for Mining Lease in Hec.	Remarks
1	2	3	4	5
1	1	5.592	5.592	
2	2	0.142	0.142	
3	3	3.469	3.469	
4	5	0.579	0.579	
5	7	0.166	0.166	
6	11	3.784	3.784	
7	12	4.929	4.929	
8	13	4.573	4.573	
9	16	1.214	1.214	
10	15	1.149	1.149	
11	9	0.595	0.595	
12	10/1	0.664	0.664	
13	10/2	0.664	0.664	
14	10/3	0.664	0.664	
15	10/4	0.668	0.668	
16	8	1.546	1.546	
17	14	1.137	1.137	
18	18/1	0.567	0.567	
19	18/2	0.567	0.567	
20	18/3	0.567	0.567	
21	18/4	0.563	0.563	
22	18/835/1	2.104	2.104	
23	18/835/2	0.700	0.700	
24	18/835/3	0.700	0.700	
25	18/835/4	0.700	0.700	
26	4/1A	0.028	0.028	
27	4/1B	0.028	0.028	
28	4/1C	0.109	0.109	
29	4/1D	0.028	0.028	
30	4/1E	0.109	0.109	
31	4/1F	0.028	0.028	
32	4/2	0.081	0.081	
33	4/3	0.162	0.162	
34	4/4	0.040	0.040	
35	4/5	0.040	0.040	
36	6/1A	0.040	0.040	
		0.081	0.081	
		0.081	0.081	
38	6/1D	0.081	0.081	
39	6/1E	0.081	0.081	

Sl.No.	Khasra No.	Area in Hec.	Area Required for Mining Lease in Hec.	Remarks
1	2	3	4	5
41	6/1F	0.162	0.162	
42	6/1G	0.162	0.162	
43	6/1H	0.162	0.162	
44	6/1I	0.162	0.162	
45	6/1J	0.081	0.081	
46	6/2	0.081	0.081	
47	6/3	0.101	0.101	
48	6/4	0.101	0.101	
49	17/1/1	0.251	0.251	
50	17/1/2/1	0.097	0.097	
51	17/1/2/2	0.105	0.105	
52	17/1/2/3	0.202	0.202	
53	17/1/3	0.008	0.008	
54	17/2	0.664	0.664	
55	71/1	0.336	0.336	
56	71/2	0.065	0.065	
57	72/1	0.251	0.251	
58	72/2	0.057	0.057	
59	73	0.384	0.384	
60	74	1.177	1.177	
61	75/1A	0.182	0.182	
62	75/1B	1.416	1.416	
63	75/2A/1	1.011	1.011	
64	75/2A/2/1	0.283	0.283	
65	75/2A/2/2	0.040	0.040	
66	75/2A/2/3	0.040	0.040	
67	75/2A/2/4	0.040	0.040	
68	75/2B	0.182	0.182	
69	76	1.322	1.322	
70	77 /1/1A	0.036	0.036	
71	77 /1/1B	0.052	0.052	
72	77 /1/1C	0.052	0.052	
73	77 /1/1D	0.053	0.053	
74	77 /1/1E	0.053	0.053	
75	77 /1/1F	0.053	0.053	
76	77 /1/1G	0.053	0.053	
77	77 /1/1H	0.053	0.053	
78	77/1/2/1	0.032	0.032	
79	77/1/2/2	0.182	0.182	
80	77/1/2/3	0.182	0.182	
81	77/2	0.801	0.801	
82	78/1	0.983	0.983	
83	78/2	0.405	0.405	

Sl.No.	Khasra No.	Area in Hec.	Area Acquired for Mining Lease in Hec.	Remarks
1	2	3	4	5
84	79	0.312	0.312	
85	80/1/1	0.353	0.353	
86	80/1/2	0.210	0.210	
87	80/2A	0.190	0.190	
88	80/2B	0.186	0.186	
89	80/2C	0.186	0.186	
90	81/1	0.405	0.405	
91	81/2A/1/1	0.133	0.133	
92	81/2A/1/2	0.081	0.081	
93	81/2A/1/3	0.081	0.081	
94	81/2A/2	0.101	0.101	
95	81/2A/3	0.101	0.101	
96	81/2A/4	0.081	0.081	
97	81/2A/5	0.081	0.081	
98	81/2A/6	0.081	0.081	
99	81/2A/7	0.081	0.081	
100	81/2B	1.417	1.417	
101	82/1A/2	0.081	0.081	
102	82/1A	0.142	0.142	
103	82/1A/2/2	0.202	0.202	
104	82/1A/2	0.069	0.069	
105	82/1A/2/1/2	0.040	0.040	
106	82/1A/2/1/1	0.040	0.040	
107	82/1A/1/1	0.121	0.121	
108	82/1A/1/2	0.202	0.202	
109	82/1A/1/3	0.202	0.202	
		56.276	56.276	

For, BIRLA CORPORATION LTD.

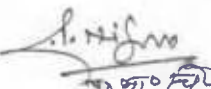
(Cement Division)

c:\landsheet5

Units:Satna Cement Works

Birla Vikas Cement


 (P. S. MARWAH)
 President


 20/5/2010


 (P. S. MARWAH)
 President



MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016

No. **22342** /TS/MPPCB/2004
To

Date: **22-12-04**

✓ **M/s. Birla Corporation Ltd.**
[Unit: Birhuli Lime Stone Mines]
P. O. Birla Vikas,
SATNA - 485 005 (M.P.)

Sub: No Objection Certificate for obtaining Environmental Clearance from Govt. of India for Captive Lime Stone Mines at Birhuli, Teh. Raghurajnagar, Distt. Satna (M.P.)

Ref: Your application No. Nil dated: 27/05/2004 & dt: 08/06/2004

As per requirement under Environmental Impact Assessment Notification 1994 No. 60[E] dated: 27/01/94 [as amended on 04/05/94] and notification No. 319 [E] dated: 10/04/97. No objection certificate is hereby issued for proposed Captive Lime Stone shale mining project of 0.6 Million T/Year at khasra No. 109, Village: Birhuli, Teh. Raghurajnagar, Distt. Satna (M.P.), subject to following conditions.

1. The Mine discharge water/domestic waste shall be properly treated and shall fully utilized in plantation/sprinkling or other useful purpose. No treated/untreated water shall be let out at any point of time into the surface water bodies. Treated effluent quality shall meet the standards prescribed by M.P. Pollution Control Board in gazette Notification, dated: 25/03/88.
2. Appropriate air pollution control equipments shall be installed at all points of emission and shall ensure that these are always kept running and in good working order all the time. Effective steps shall be taken to avoid fugitive emission during excavation of lime stone, its handling/crushing/transportation etc.
3. Water spraying arrangements shall be made on haul roads to control dust nuisance. Suitable arrangement for control of fugitive emission shall be made and shall ensure that the ambient air quality at the boundary of the factory premises shall conform to the following limits:

a.	Suspended Particulate Matter	500	Microgram/Cubic Meter
b.	Sulphur Dioxide [SO ₂]	120	"-
c.	Nitrogen Oxides [Nox]	120	"-
d.	Carbon Monoxide [CO]	5000	"-



MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016

4. Mine shall have to follow all the blasting norms as laid down by the Deptt. of Explosives & Director General of Mines Safety, GoI and other regulatory authorities to control noise, vibration and other environmental parameters.
5. Mines shall take proper action to control the noise pollution. The noise level should not exceed the limit 75dB[A] during the day time and 70dB[A] during the night time within the mine lease area.
6. Water table depletion study in and around the mining area shall be carried out by the reputed agencies at the earliest possible. All possible efforts including public awareness programmes shall be taken up for the ground water management.
7. Mines shall take effective steps to check the soil erosion from waste material dumping area and possibility of siltation problem in nearby nalla/river pond during rainy season. All the slopes of external dumps of over burden should be maintained at a maximum of 28 degrees.
8. Mine shall start biological reclamation on the internal and external dump areas as per MoEF guidelines and progress shall be intimated to the Board every year.
9. Extensive tree plantation shall be done in and around mining lease area. The tree plantation shall be carried out in phase manner preferably with local species in consultation with the expert agencies. Good house keeping practices shall be maintained.
10. Environmental Management Plan shall be prepared for mining activities. Mines shall submit On Site Emergency Plan duly approved by the concerned authorities.
11. Board reserves right to amend/cancel any of the above conditions as and when deemed necessary.

This "No Objection Certificate" is granted only for the purpose of obtaining Environmental clearance from Ministry of Environment & Forests, Govt. of India. This shall not be treated as consent under Water [Prevention & Control of Pollution] Act, 1974 and the Air [Prevention & Control of Pollution] Act, 1981.

Mine shall be required to obtain the following permissions from the Board prior to commencement of mine after obtaining Environmental Clearance from Govt. of India, Ministry of Environment & Forests.



MADHYA PRADESH POLLUTION CONTROL BOARD

Faryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016

- (a) Consent under the Water (Prevention & Control of Pollution) Act, 1974.
- (b) Consent under the Air (Prevention & Control of Pollution) Act, 1981.
- (c) Membership of the Board.
- (d) Authorisation under provisions of the Hazardous Chemicals Rules, 1989 [as amended in 2003].

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


(Dharmendra Shukla)
Member Secretary

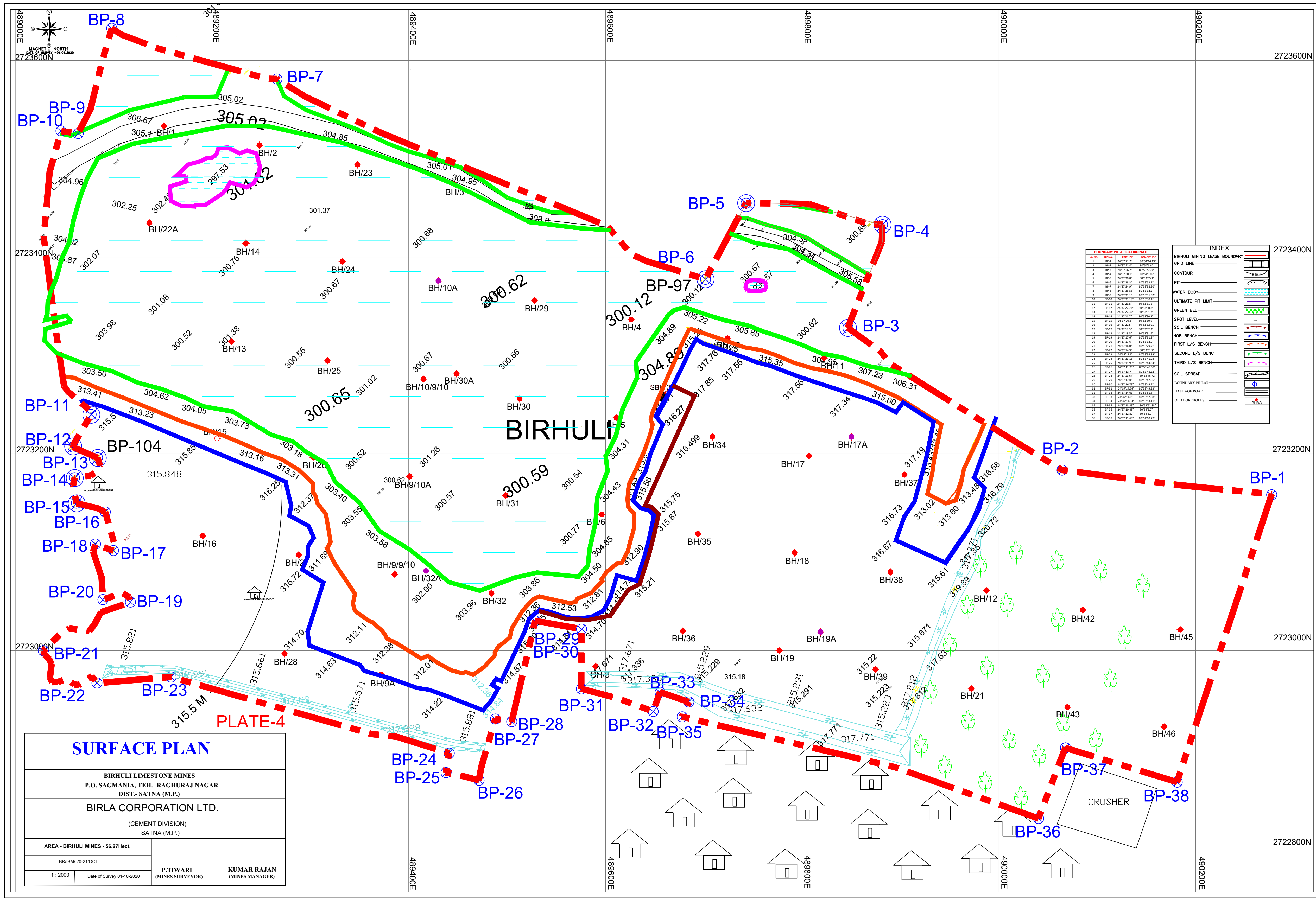
Endt No. /TS/MPPCB/2004

Date:

Copy to:-

1. Secretary, Ministry of Environment & Forests, Govt. of India., New Delhi.
2. Regional Officer, M.P. Pollution Control Board, Satna.


(Dharmendra Shukla)
Member Secretary



SURFACE PLAN

BIRHULI LIMESTONE MINES

P.O. SAGMANIA, TEH.- RAGHURAJ NAGAR

DIST.- SATNA (M.P.)

BIRLA CORPORATION LTD.

(CEMENT DIVISION)

SATNA (M.P.)

AREA - BIRHULI MINES - 56.27Hect.

BR/IBM/ 20-21/OCT

1 : 2000

Date of Survey 01-10-2020

P.TIWARI

(MINES SURVEYOR)

KUMAR RAJAN

(MINES MANAGER)

BOUNDARY PILLAR CO-ORDINATE			
Sl. No.	BP No.	Latitude	Longitude
1	BP-1	2723400.00	489000.00
2	BP-2	2723400.00	489000.00
3	BP-3	2723400.00	489000.00
4	BP-4	2723400.00	489000.00
5	BP-5	2723400.00	489000.00
6	BP-6	2723400.00	489000.00
7	BP-7	2723400.00	489000.00
8	BP-8	2723400.00	489000.00
9	BP-9	2723400.00	489000.00
10	BP-10	2723400.00	489000.00
11	BP-11	2723400.00	489000.00
12	BP-12	2723400.00	489000.00
13	BP-13	2723400.00	489000.00
14	BP-14	2723400.00	489000.00
15	BP-15	2723400.00	489000.00
16	BP-16	2723400.00	489000.00
17	BP-17	2723400.00	489000.00
18	BP-18	2723400.00	489000.00
19	BP-19	2723400.00	489000.00
20	BP-20	2723400.00	489000.00
21	BP-21	2723400.00	489000.00
22	BP-22	2723400.00	489000.00
23	BP-23	2723400.00	489000.00
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33	BP-33	2723400.00	489000.00
34	BP-34	2723400.00	489000.00
35	BP-35	2723400.00	489000.00
36	BP-36	2723400.00	489000.00
37	BP-37	2723400.00	489000.00
38	BP-38	2723400.00	489000.00

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BIRHULI MINING LEASE BOUNDARY	
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CONTOUR	
PIT	
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ULTIMATE PIT LIMIT	
GREEN BELT	
SPOT LEVEL	
SOIL BENCH	
WOB BENCH	
FIRST L/S BENCH	
SECOND L/S BENCH	
THIRD L/S BENCH	
SOIL SPREAD	
BOUNDARY PILLAR	
HAULAGE ROAD	
OLD BOREHOLES	

Water Reservoir



Siltation Pond



Birhuli Limestone Mines



Plantation at Mines



Bag Dust Collector with Stack



Belt curtain at hopper



Fully Covered Crusher House with Bag Dust Collector





Madhya Pradesh Pollution Control Board

Environmental Surveillance Center

Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmppcb@nic.in, Web : www.erc.mp.gov.in

Real Time Data Acquisition And Monitoring

Custom Report

Industry Name : Birla Corporation Limited

From Date: 2024/10/01 00:00:00 To Date : 2025/03/31 23:59:17

Industry Status: site_status

Description	Quarry_Station_1- PM10_U	Quarry_Station_1- PM2.5_U	Quarry_Station_1- CO_U	Quarry_Station_1- SO2_U	Quarry_Station_1- NOx_U
Prescribed Standards	0 - 100	0 - 60	0 - 4	0 - 80	0 - 80
Maximum Data	70.13	40.02	1.0	20.02	18.24
Minimum Data	28.93	21.6	0.5	6.85	8.21
Geometric Mean	43.03	27.1	0.8	13.71	13.29
Median	42.04	25.1	0.84	14.25	15.0
Standard Deviation	15.01	6.5	0.2	6.44	4.12
Maximum Value At Time	2024-10-01	2024-10-01	2025-01-01	2025-01-01	2024-10-01
Minimum Value At Time	2024-11-01	2025-02-01	2024-12-01	2024-11-01	2024-11-01
Valid Data Points	6	6	6	6	6
Total Data Points	6	6	6	6	6
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No	Time	Quarry_Station_1- PM10_U	Quarry_Station_1- PM2.5_U	Quarry_Station_1- CO_U	Quarry_Station_1- SO2_U	Quarry_Station_1- NOx_U
1	2024-10-01	70.13	40.02	0.76	10.20	18.24
2	2024-11-01	28.93	25.75	0.65	6.85	8.21
3	2024-12-01	29.99	25.13	0.50	6.85	8.21
4	2025-01-01	45.04	25.07	1.00	20.02	14.98
5	2025-02-01	39.04	21.60	0.91	18.30	15.06
6	2025-03-01	45.03	25.03	0.99	20.02	15.01



Madhya Pradesh Pollution Control Board

Environmental Surveillance Center

Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmppcb@nic.in, Web : www.erc.mp.gov.in

Real Time Data Acquisition And Monitoring

Custom Report

Industry Name : Birla Corporation Limited

From Date: 2024/10/01 00:00:00 To Date : 2025/03/31 23:59:09

Industry Status: site_status

Description	Quarry_Station_2- PM10_U	Quarry_Station_2- PM2.5_U	Quarry_Station_2- CO_U	Quarry_Station_2- SO2_U	Quarry_Station_2- NOx_U
Prescribed Standards	0 - 100	0 - 60	0 - 4	0 - 80	0 - 80
Maximum Data	62.36	30.56	1.85	50.43	30.11
Minimum Data	49.19	19.05	0.72	1.82	20.64
Geometric Mean	53.51	27.35	1.31	17.08	25.16
Median	50.84	29.92	1.19	12.32	24.58
Standard Deviation	5.45	4.71	0.46	16.93	3.23
Maximum Value At Time	2025-02-01	2025-01-01	2025-03-01	2025-02-01	2025-03-01
Minimum Value At Time	2024-12-01	2024-10-01	2024-10-01	2025-03-01	2024-10-01
Valid Data Points	6	6	6	6	6
Total Data Points	6	6	6	6	6
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%

Sl No	Time	Quarry_Station_2- PM10_U	Quarry_Station_2- PM2.5_U	Quarry_Station_2- CO_U	Quarry_Station_2- SO2_U	Quarry_Station_2- NOx_U
1	2024-10-01	58.22	19.05	0.72	11.16	20.64
2	2024-11-01	49.64	30.02	1.06	12.31	27.29
3	2024-12-01	49.19	29.83	1.08	12.33	24.63
4	2025-01-01	50.54	30.56	1.30	14.44	24.53
5	2025-02-01	62.36	24.30	1.84	50.43	23.77
6	2025-03-01	51.13	30.36	1.85	1.82	30.11

TEST REPORT CODE: VGL/WL/24/11/06/N-001-004

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER LEVEL)

Name & Address of Customer : **M/S. BIRLA CORPORATION LIMITED**
UNIT- BIRHULI Limestone Mines
(A UNIT OF MP BIRLA GROUP) PO- BIRLA VIKAS,
SATNA-485005, M. P. INDIA

Sample Done By : VGL STAFF

Weather Condition : CLEAR

TEST RESULTS

Sr. No.	Locations	Monitoring Date	Unit	Water Level (Below Ground Level)- Meter
1	VILLAGE SAKARIYA	04.11.2024	Meter	20.1
2	NAI BASTI VILLAGE BIRHULI (PUBLIC WATER SUPPLY)	04.11.2024	Meter	21.6
3	BIRHULI MINES (PIEZOMETER WELL)	05.11.2024	Meter	20.8
4	VILLAGE BARAJ (BORE WELL)	05.11.2024	Meter	18.9

Page 1 of 1

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3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.



Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


D. K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-001

ULR NO. TC144552400000544F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : VILLAGE SAKARIYA
Sample Description : GROUND WATER
Date & Time of Sampling : 05.11.2024 10:45 AM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 06.11.2024
Duration of Sample Analysis : 07.11.2024 TO 11.11.2024
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.45	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510-B	645	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.4	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	468.4	mg/L	-	-
8.	Total Dissolved Solids	APHA 2540-C	454.3	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+B	192.1	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	181.3	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	56.4	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	9.8	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	36.5	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	5.7	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.17	mg/L	-	-

Page 1 of 2

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- BDL: Below detection limit.

Review By:

Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


D. K. Yadav
Authorised Signatory
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-001

ULR NO. TC144552400000544F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)
TEST RESULTS

16.	Iron	APHA 3500 Fe B	0.12	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	49.5	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.54	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

Page 2 of 2

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5. BDL: Below detection limit



VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


D. K. Yadav
Authorised Signatory
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-002

ULR NO. TC144552400000545F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : NAI BASTI VILLAGE BIRHULI (PUBLIC WATER SUPPLY)
Sample Description : GROUND WATER
Date & Time of Sampling : 05.11.2024 11:20 AM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 06.11.2024
Duration of Sample Analysis : 07.11.2024 TO 11.11.2024
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.51	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510-B	754.0	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.8	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	467.4	mg/L	-	-
8.	Total Dissolved Solids	APHA 2540-C	457.2	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+B	184.3	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	189.4	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	61.3	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	8.8	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	56.4	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	10.4	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.65	mg/L	-	-

Page 1 of 2

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- The above Results are related to the tested sample only.
- BDL- Below detection limit.

Review By:


Dr. Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB

(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-002 ULR NO. TC144552400000545F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)
TEST RESULTS

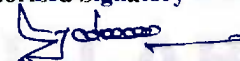
16.	Iron	APHA 3500 Fe B	0.28	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	36.4	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.22	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

Page 2 of 2

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VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


Authorised Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-003

ULR NO. TC14455240000546F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI Limestone Mines
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : BIRHULI MINES (PIEZOMETER WELL)
Sample Description : GROUND WATER
Date & Time of Sampling : 05.11.2024 12:20 PM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 06.11.2024
Duration of Sample Analysis : 07.11.2024 TO 11.11.2024
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.35	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510-B:	725	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.8	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	445.0	mg/L	-	-
8.	Total Dissolved Solids	APHA 2540-C	437.0	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+B	151.0	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	162.0	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	46.8	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	10.9	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	32.6	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	9.7	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.52	mg/L	-	-

Page 1 of 2

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- The above Results are related to the tested sample only.
- Below detection limit.

Reviewed By:


Dr. Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB

(A Division of Aseries Envirotek India Pvt. Ltd.)

Authorized Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-003

ULR NO. TC144552400000546F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)
TEST RESULTS

16.	Iron	APHA 3500 Fe B	0.24	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	56.3	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.36	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

Page 2 of 2

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VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


Authorised Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-004

ULR NO. TC144552400000547F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : VILLAGE BARAJ (BORE WELL)
Sample Description : GROUND WATER
Date & Time of Sampling : 05.11.2024 01:10 PM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 06.11.2024
Duration of Sample Analysis : 07.11.2024 TO 11.11.2024
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.72	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510-B:	658.0	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.1	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	424.0	mg/L	-	-
8.	Total Dissolved Solids	APHA 2540-C	416.4	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+ B	174.0	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	165.4	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	36.7	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	17.9	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	28.4	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	10.6	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.68	mg/L	-	-

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- Below detection limit.

Review By:

Dr. Ashok Kumar
Technical Manager

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


D. K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/W/24/11/06/N-004

ULR NO. TC144552400000547F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (WATER)
TEST RESULTS


16.	Iron	APHA 3500 Fe B	0.28	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	168.7	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.36	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

Page 2 of 2

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VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


D. K. Yadav
Authorised Signatory
Lab In-charge

TEST REPORT CODE: VGL/WL/25/02/14/001-004

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (WATER LEVEL)

Name & Address of Customer : **M/S. BIRLA CORPORATION LIMITED**
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP) PO- BIRLA VIKAS,
SATNA-485005, M. P. INDIA

Sample Done By : VGL STAFF

Weather Condition : CLEAR

TEST RESULTS

Sr. No.	Locations	Monitoring Date	Unit	Water Level (Below Ground Level)- Meter
1	VILLAGE SAKARIYA	12.02.2025	Meter	18.1
2	NAI BASTI VILLAGE BIRHULI (PUBLIC WATER SUPPLY)	12.02.2025	Meter	19.3
3	BIRHULI MINES (PIEZOMETER WELL)	12.02.2025	Meter	18.9
4	VILLAGE BARAJ (BORE WELL)	12.02.2025	Meter	17.7

Page 1 of 1

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Dr. Ashish Kumar
Technical Manager

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)



Authorized Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/25/02/14/001

ULR NO. TC144552500000298F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MIINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : VILLAGE SAKARIYA
Sample Description : GROUND WATER
Date & Time of Sampling : 13.02.2025 10:20 AM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 14.02.2025
Duration of Sample Analysis : 15.02.2025 TO 19.02.2025
Method of Sampling : APHA 1060B & 9060A

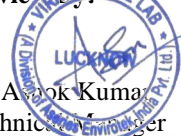
TEST RESULTS

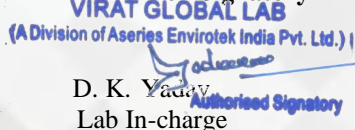
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.65	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510- B:	683	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.7	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	466.4	mg/L	-	-
8.	Total Dissolved Solids	APHA2540-C	453.7	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+ B	196.3	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	188.1	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	58.3	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	10.3	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	36.5	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	6.7	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.18	mg/L	-	-

Page 1 of 2

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- BDL: Below detection limit.

Review

Dr. Anshok Kumar
Technical Manager

Authorized Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/25/02/14/001

ULR NO. TC144552500000298F

TEST REPORT ISSUE DATE:19.02.2025

TEST REPORT (WATER)
TEST RESULTS

16.	Iron	APHA 3500 Fe B	0.14	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	52.4	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.53	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

Page 2 of 2

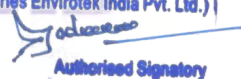
Note:

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4. The above Results are related to the tested sample only.
5. BDL: Below detection limit

Review By:

Dr. Ashish Kumar
Technical Manager

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
D. K. Yadav
Lab In-charge


Authorized Signatory

TEST REPORT CODE: VGL/W/25/02/14/002

ULR NO. TC144552500000299F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Location of Sample : NAI BASTI VILLAGE BIRHULI (PUBLIC WATER SUPPLY)

Sample Description : GROUND WATER

Date & Time of Sampling : 13.02.2025 11:00 AM

Sample Collected by : VGL STAFF

Weather Condition : CLEAR

Laboratory Sample Receiving Date : 14.02.2025

Duration of Sample Analysis : 15.02.2025 TO 19.02.2025

Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.42	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510- B:	742.0	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	25.3	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	467.5	mg/L	-	-
8.	Total Dissolved Solids	APHA 2540-C	460.4	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+ B	181.5	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	175.3	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	62.4	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	4.7	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	56.4	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	10.4	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.57	mg/L	-	-

Page 1 of 2

Note:

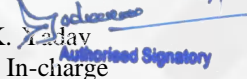
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Review

Dr. Anshok Kumar
Technician Manager

Authorized Signatory
VIRAT GLOBAL LAB

(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Yadav
Authorized Signatory
Lab In-charge


TEST REPORT CODE: VGL/W/25/02/14/002 ULR NO. TC14455250000299F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (WATER)
TEST RESULTS

16.	Iron	APHA 3500 Fe B	0.19	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	33.5	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.24	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

Page 2 of 2

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Review By

Dr. Ashok Kumar
Technical Manager

Authorized Signatory

D. K. Yadav
Lab In-charge


TEST REPORT CODE: VGL/W/25/02/14/003

ULR NO. TC144552500000300F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI Limestone Mines
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : BIRHULI MINES (PIEZOMETER WELL)
Sample Description : GROUND WATER
Date & Time of Sampling : 13.02.2025 12:00 PM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 14.02.2025
Duration of Sample Analysis : 15.02.2025 TO 19.02.2025
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.41	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510-B:	710	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.3	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	468.0	mg/L	-	-
8.	Total Dissolved Solids	APHA 2540-C	457.0	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+ B	163.0	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	174.0	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	53.2	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	10.0	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	32.1	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	9.3	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.53	mg/L	-	-

Page 1 of 2

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Review

Dr. Ashish Kumar
Technical Officer

Authorized Signatory

(Virat Global Lab
(A Division of Aseries Envirotek India Pvt. Ltd.))

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/25/02/14/003

ULR NO. TC144552500000300F

TEST REPORT ISSUE DATE:19.02.2025

TEST REPORT (WATER)
TEST RESULTS

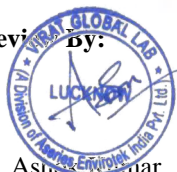
16.	Iron	APHA 3500 Fe B	0.16	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	52.4	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.33	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
22.	Fecal coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	

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Reviewed by:


Dr. Ashish Kumar
Technical Manager

Authorized Signatory

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


Authorized Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/W/25/02/14/004

ULR NO. TC144552500000301F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MIINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Location of Sample : VILLAGE BARAJ (BORE WELL)
Sample Description : GROUND WATER
Date & Time of Sampling : 13.02.2025 12:50 PM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Laboratory Sample Receiving Date : 14.02.2025
Duration of Sample Analysis : 15.02.2025 TO 19.02.2025
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH at 25° C	APHA 4500 H+A+B	7.65	-	6.5-8.5	No relaxation
2.	Conductivity	APHA 2510- B:	725.0	µS/cm	-	-
3.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
4.	Temperature	APHA 2550 A+B	26.7	°C	-	-
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Colour	APHA 2120-B	<5.0	Hazen	5	15
7.	Total Solids	APHA 2540-B	468.0	mg/L	-	-
8.	Total Dissolved Solids	APHA2540-C	484.3	mg/L	500	2000
9.	Alkalinity	APHA 2320-A+ B	178.0	mg/L	200	600
10.	Total Hardness	APHA 2340 A+C	169.3	mg/L	200	600
11.	Calcium	APHA 3500 Ca- A+B	42.3	mg/L	75	200
12.	Magnesium	APHA 3500 Mg A+B	15.4	mg/L	30	100
13.	Sulfate	APHA 4500-SO42-E	24.3	mg/L	200	400
14.	Nitrate	APHA 4500-NO3- B	10.1	mg/L	45.0	-
15.	Phosphate	APHA 4500-P- D	0.52	mg/L	-	-

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Review

Dr. Ashok Kumar
Technical Manager

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Singh
Lab In-charge

Authorized Signatory

TEST REPORT CODE: VGL/W/25/02/14/004

ULR NO. TC144552500000301F

TEST REPORT ISSUE DATE:19.02.2025

TEST REPORT (WATER)
TEST RESULTS

16.	Iron	APHA 3500 Fe B	0.22	mg/L	0.3	No relaxation
17.	Chloride	APHA 4500 Cl A+B	124.3	mg/L	250	1000
18.	Fluoride	APHA 4500-C	0.32	mg/L	1.0	1.5
19.	Zinc	APHA 3111 A+B	< 0.02	mg/L	5	15
20.	Total Chromium	APHA 3111 A+B	<0.01	mg/L	0.05	No relaxation
21.	Total Coliform	IS 1622:1981, 2019	Absent	MPN/100 ML	Shall not be detectable in 100 ml.	
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Revised

Dr. Ashish Kumar
Technical Manager

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
D. K. Yadav
Lab In-charge


Authorized Signatory

Micromate - Vibration Monitoring Instrument



Drilling machine equipped with dust extraction system



Date/Time Vert at 14:55:33 January 14, 2025
Trigger Source Geo: 0.127 mm/s
Range Geo: 254.0 mm/s
Record Time 3.0 sec at 4096 sps
Operator/Setup: Operator/factory.MMB

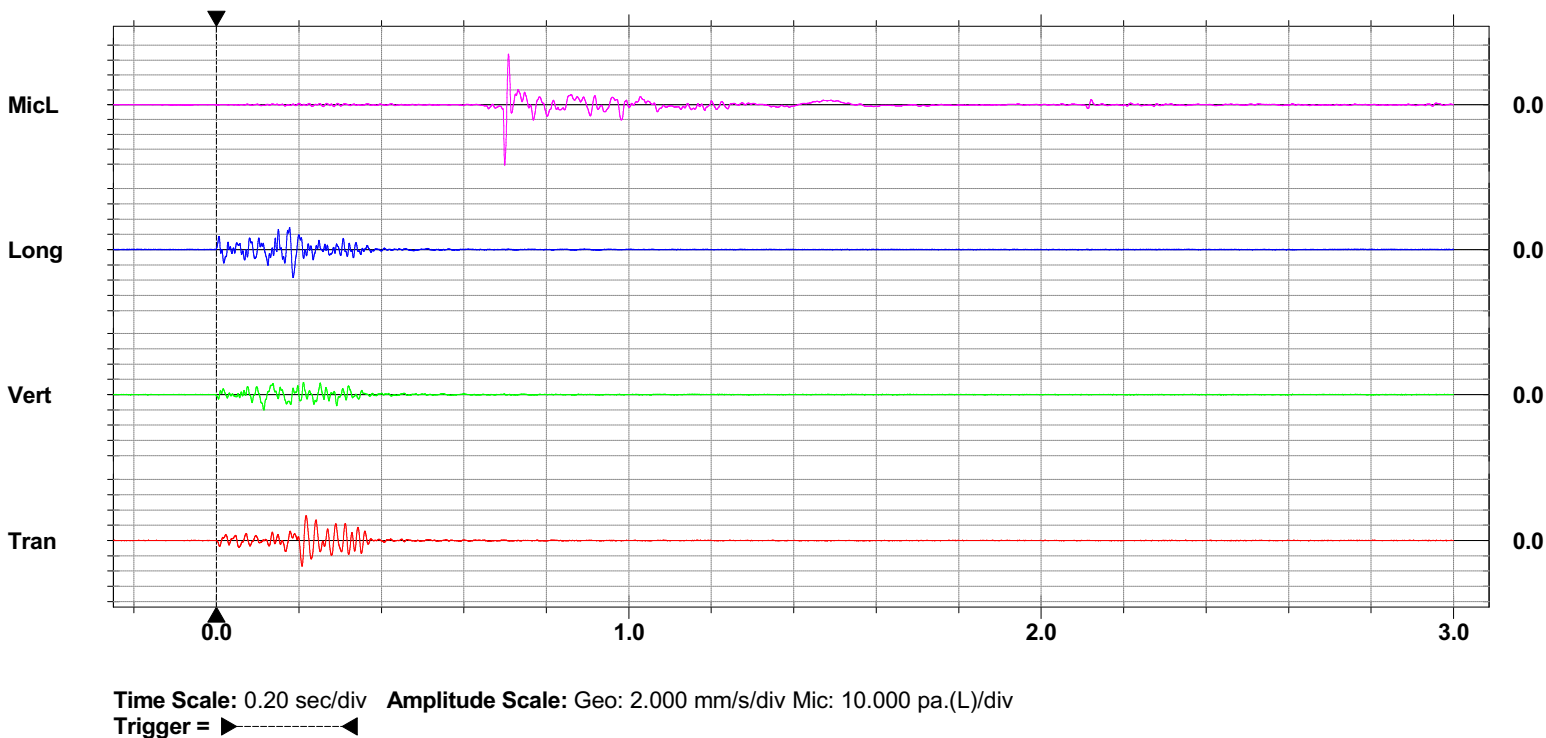
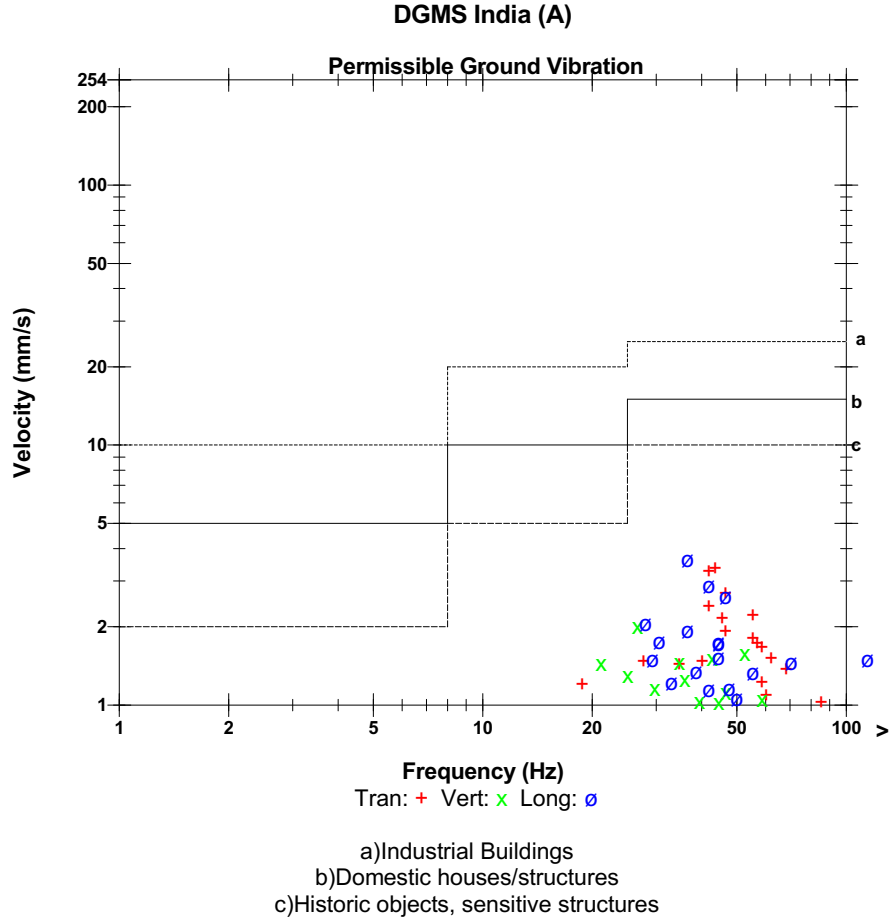
Serial Number UM22445 V 10-90GC Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration July 27, 2024 by UES New Delhi
File Name UM22445_20250114145533.IDFW

Notes
 Location:
 Client:
 User Name:
 General:

Post Event Notes
 Birhuli IInd bench SW,
 Distance from blasting site to monitoring station-200m
 MCPD-25kg.

Microphone Linear Weighting
PSPL 126.2 dB(L) at 0.699 sec
ZC Freq 14.9 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1237 mv)

	Tran	Vert	Long	
PPV	3.350	2.010	3.649	mm/s
ZC Freq	44	26.6	36.6	Hz
Time (Rel. to Trig)	0.208	0.115	0.186	sec
Peak Acceleration	0.118	0.072	0.118	g
Peak Displacement	0.012	0.010	0.014	mm
Sensor Check	Passed	Passed	Passed	
Peak Vector Sum	3.772 mm/s at 0.186 sec			





M.P. Pollution Control Board

E-5, Arera Colony Paryavaran Parisar, Bhopal - 16 MP Tele : 0755-2466191, Fax-0755-2463742



Consent Order

RED-LARGE

CCA-Renewal

PCB ID: 19449

Order No:-122136,07/02/2025

Consent No:AW-61727

The Occupier,

M/s. Birla Corporation Ltd. (Birahulilime Stone Mines),

Area: 56.20 ha., Village-Birahuli , Tehsil - Raghurajnagar,

Distt. - Satna (M.P.)Latitude : 24.6256 Longitude : 80.8934

Subject: Grant of Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Renewal of Consent Application R. No. 1401744 Dt. 26/12/2024 and last communication received on Dt. 23/01/2025

With reference to your above application for Renewal of Consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/03/2027**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Area: 56.20 ha., Village-Birahuli , Tehsil - Raghurajnagar, Distt. - Satna (M.P.)
- b. Mining Lease area: 56.20 Hect.
- c. Product & Production Capacity:

Activity / Product	Qty / year
MINING OF LIME STONE	6,00,000 Metric Ton per year

- For any change in above industry shall obtain fresh consent from the Board.
- PP shall ensure that mining is done in sanctioned lease area as per valid mining plan approved by Regional Controller of Mines IBM Jabalpur for period till 31.03.2029 vide letter No. E-8807MCDR-MPCOLST/45/2023-JBP-RO-IBM dated 05.01.2024 & in compliance of the conditions laid in EC granted by MoEF & CC GOIN Delhi vide L. No. J-11015/122/2005/IA.II.(M.) dated 06.08.2007.
- The project proponent shall follow the mitigation measures as provided in the MoEFCCGoI OM No. Z-11013/5712014-IA.II(M) dated 29thOctober 2014, titled ' Impact of mining activities on habitations - issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations & villages are surrounded by the mine lease area.' PP shall also have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in EC granted by the MoEF&CC/SEIAA regarding providing offset from the roads (kuchha or pucca) and development of plantations/green belt.
- PP shall have to abide by the directives of Hon. Supreme Court/High Court/NGT and as incorporated in the EC granted by the MoEF&CC / SEIAA, pertaining to distance of mining activity from any residential/public buildings, inhabited sites, National/State Highways/district roads, Railway lines/area, ropeways, bridges, dams /reservoirs or any other water body. Mining to be done as per the site specific guidelines of the DGMS & Explosives department of the GOI . The regulations for danger zone (500 Metres) prescribed by Directorate General of Mines Safety shall also be complied compulsorily and necessary measures should be taken to minimise the impact of mining generated dust, noise and vibrations on the environment.
- Solid waste generated during mining process shall be stacked at earmarked site which shall be properly surrounded by garland drains & settling pits of adequate sizes so that no Soil/Silt/waste rock is discharged outside the mine lease area/ nearby water body blocking the natural flow of any nallah/river/pond. Top Soil / OB dump shall be biologically reclaimed.
- Evacuation of mineral shall not be through any village or forest area. PP shall provide pucca (Concreted/Ashphalted) approach road from main road to the mine site & ensure thick plantation on both side of this road to prevent dust/noise pollution.
- The dust generated during transportation of mineral & deposited on Approach/Haul roads shall be regularly removed by the road sweeping machines & suppressed by intermittent sprinkling of water on roads using pressurized water tankers of adequate capacity. PP shall practice regular compaction of loose material of haulage road & regular water sprinkling shall be done for control of generated fugitive emissions. Main haulage Road shall be provided with mist forming permanent water sprinklers on both sides to ensure control of dust during mineral transportation.

The Validity of the consent is up to **31/03/2027** and has to be renewed before expiry of consent validity. Online application thro XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Bo reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

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

CC to :- 1.District Mining Officer, (Mining Section), Collector office, **Satna** Dist. **Satna** (M.P.) for information.

2.Director, Geology & Mining Khanij Bhawan 29-A, Arera Hills, , Bhopal (M.P.) for necessary action please.

3.Regional officer, Regional office, MPPCB **Satna** (M.P.)

By the order of Chairman, MPPCB

Achyut Mishra

ACHYUT ANAND MISHRA
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # EDU51GC763

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

Sector Specific Water condition:-

- 1 Mines shall take effective steps to check the soil erosion from waste material dumping area to prevent siltation problem in near by nalla/river pond during rainy season. All the slopes of external dumps of over burden should be maintained at a maximum of 28 degrees. The check bunds shall be constructing for control of surface run off .
- 2 a. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road.
 - b. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks of suitable sizes shall be provided.
 - c. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into nearby nallah/ river/ pond during the rainy season. Mine shall have to inform about the progress regularly to the Board.
 - d. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and other beneficial purposes..
 - e. Regular de-silting of drains and pits should be carried out. Adequate provisions of water for irrigating the plantations shall be made by PP.
- 3 Water sprinkling with adequately designed nozzle which produces tiny droplets of water should be provided during raw materials unloading.
- 4 a. PP shall ensure that blasting is done in compliance of various directives issued by Department of Explosives Govt. Of India. No mining to be done within 100 meters of any residential housing establishment.
 - b. Controlled blasting should be practiced with use of delay detonators only during day time between 10.0 AM to 4.0 PM.
 - c. To avoid vibration, no overcharging shall be carried out during blasting, and muffle blasting shall be adopted.
 - d. Top soil/solid waste shall be stacked with proper slope and adequate safeguards; it shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area.
 - e. Top soil shall be separately stacked for biological reclamation and shall not be stacked along with over burden. Top soil shall be simultaneously used for plantations within the lease area and no OB/dump shall be stacked outside the lease area.

1. The daily quantity of trade effluent of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 1.500 KL/day.

2. Trade Effluent Treatment:-

The applicant shall operate and maintain effluent treatment system properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. Sewage Treatment :- The applicant shall operate and maintain Sewage Treatment System properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC 35.000	WWG : 1.500	Water Source	Remark
1	Domestic Purpose	2.000	1.500	Borewell	Eff .treated through Septic Tank Soak pit.
2	Dust Suppression	33.000	0.000	Mine Water	Mine pit water to be used on priority.`

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

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

Consent No:AW-61727

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge. ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

10. Recording of Monitoring Activities & Results-

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

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

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

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

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

11. Reporting of Monitoring Results:-

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

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

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

13. Limitation of visible floating solids and foam:

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

14. Disposal of Collected Solid waste/sludge-

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

15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

16. Prohibition of Bypass system of treatment facilities-

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

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

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

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

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

Name of section	Capacity	Control equipment to be installed	SPM/RSPM/SO ₂ /NO _x (Time weighted Average)* (µg/Nm ³)
Loading-unloading, Haul road, Transportation etc,	Fugitive Emission	Dust Collector, Dust Suppressor, Green Belt, Water Sprinkler, Wind Breaking Wall,	Annual average : 430 / 215/80/80 24 hour average : 600/300/120/120

2. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

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

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

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

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

8. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

Sector Specific Air condition:-

1 Controlled blasting should be practiced with the use of delay detonators and only during daytime. The meditative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented. Only wet drilling of holes shall be practiced.

2 Extensive tree plantation shall be carried out in open area available within and around the mine premises and also over burden dumps in consultation with expert agency; Good housekeeping practice shall be adopted.

3 The mine management shall take preventive measures to control Fugitive dust emission from all the sources should be controlled effectively and duly monitored.

4 Water spraying arrangement on haul roads, dump trucks (loading & unloading) point should be provided and properly maintained.

5 Mines management shall have to make suitable arrangement for handling and disposal of solid waste, over burden etc.

6 Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.

GENERAL CONDITIONS:

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

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc		Re-Use/Sale to M.P. Pollution Control Board's authorized party

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

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

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

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

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

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

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

10. This consent may not be taken as a measures of proof that mine has not violated pollution control law at any period of time in the past.

11. Mine Management shall comply with all the relevant Acts/Rules, directions, guidelines issued by MoEF/CPCB/ MPPCB from time to time as required and (if applicable).

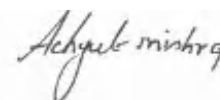
12. Mine Management shall comply with the direction of Hon'ble Supreme Court, National Green Tribunal & Hon'ble High Court issued in the relevant writ petitions.

13. Mine shall have to close down mining activities in case there is any public complaint regarding health & environmental degradation and Board find the facts correct and direct the mine to do so at any time.

14. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

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

By the order of Chairman, MPPCB
For and on behalf of
M.P. Polluti



ACHYUT ANAND MISHRA
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # EDU51GC763

Consent No:AW-61727

Year	Birhuli Mines
2024-25	Production (Tons)
October-2024	28053
November-2024	46622
December-2024	23802
January-2025	75362
February-2025	62427
March-2025	45506
Total	281772

For Satna Cement Works



Bagmati Limestone Mines



TEST REPORT CODE: VGL/A/24/11/06/N-001

ULR NO. TC144552400000537F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Sampling Location : NEAR FARM HOUSE (EAST)

Duration of Sampling : 04.11.2024 TO 05.11.2024

Time of Sampling : 09:10 AM TO 09:10 AM

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Sample Id No. : 001

Environmental Condition Temp.(°C) & RH (%) : 26.8 & 56

Method of Sampling : IS:5182

Sample Receiving Date : 06.11.2024

Sample Processing Date : 07.11.2024 TO 11.11.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	28.3	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	56.4	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	10.7	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	21.6	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	9.2	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	10.4	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.48	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

Page 1 of 1

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VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Singh
Lab In-charge

TEST REPORT CODE: VGL/A/24/11/06/N-002

ULR NO. TC144552400000538F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MIINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Sampling Location : NEAR WEIGH BRIDGE (WEST)

Duration of Sampling : 04.11.2024 TO 05.11.2024

Time of Sampling : 09:40 AM TO 09:40 AM

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Sample Id No. : 002

Environmental Condition Temp.(°C) & RH (%) : 26.8 & 56

Method of Sampling : IS:5182

Sample Receiving Date : 06.11.2024

Sample Processing Date : 07.11.2024 TO 11.11.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	37.4	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	65.1	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	12.3	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	23.7	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	10.2	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	12.4	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Corban Monoxide (CO)	IS 5182 (Part-10)	0.58	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

Page 1 of 1

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- BDL: Below detection limit


VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/A/24/11/06/N-003

ULR NO. TC144552400000539F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Sampling Location : C-QUARRY (NORTH)

Duration of Sampling : 05.11.2024 TO 06.11.2024

Time of Sampling : 10:20 AM TO 10:20 AM

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Sample Id No. : 003

Environmental Condition Temp.(°C) & RH (%) : 26.8 & 56

Method of Sampling : IS:5182

Sample Receiving Date : 06.11.2024

Sample Processing Date : 07.11.2024 TO 11.11.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	34.8	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	67.0	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	11.7	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	20.1	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	9.1	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	14.3	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.52	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

Page 1 of 1

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- BDL: Below detection limit


VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
Authorized Signatory


D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/A/24/11/06/N-004

ULR NO. TC144552400000540F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI Limestone Mines
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Sampling Location : NAI BASTI BIRHULI (SOUTH)

Duration of Sampling : 05.11.2024 TO 06.11.2024

Time of Sampling : 10:50 AM TO 10:50 AM

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Sample Id No. : 004

Environmental Condition Temp.(°C) & RH (%) : 26.8 & 56

Method of Sampling : IS:5182

Sample Receiving Date : 06.11.2024

Sample Processing Date : 07.11.2024 TO 11.11.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	29.6	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	60.1	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	10.0	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	16.4	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	12.6	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	23.5	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.59	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

Page 1 of 1

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- B.D.L. Below detection limit


VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

Authorized Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/A/25/02/14/001

ULR NO. TC14455250000291F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI Limestone Mines
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Sampling Location : NEAR FARM HOUSE (EAST)
Duration of Sampling : 12.02.2025 TO 13.02.2025
Time of Sampling : 09:30 AM TO 09:30 AM
Sampling Done by : VGL STAFF
Packing Condition : SEALED
Sample Id No. : 001
Environmental Condition Temp.(°C) & RH (%) : 25.4 & 53
Method of Sampling : IS:5182
Sample Receiving Date : 14.02.2025
Sample Processing Date : 15.02.2025 TO 19.02.2025
Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	31.8	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	60.4	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	10.2	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	22.4	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	9.4	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	10.9	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.50	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

Page 1 of 1

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- BDL: Below detection limit

Review

Dr. Anshu Kumar
Technician

Authorized Signatory

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/A/25/02/14/002

ULR NO. TC144552500000292F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : **M/S. BIRLA CORPORATION LIMITED**
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Sampling Location : **NEAR WEIGH BRIDGE (WEST)**
Duration of Sampling : 12.02.2025 TO 13.02.2025
Time of Sampling : 09:50 AM TO 09:50 AM
Sampling Done by : VGL STAFF
Packing Condition : SEALED
Sample Id No. : 002
Environmental Condition Temp.(°C) & RH (%) : 25.4 & 53
Method of Sampling : IS:5182
Sample Receiving Date : 14.02.2025
Sample Processing Date : 15.02.2025 TO 19.02.2025
Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

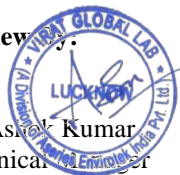
Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	38.4	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	69.4	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	11.4	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	25.4	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	10.8	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	13.2	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.59	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

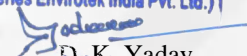
Page 1 of 1

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- BDL: Below detection limit

Review

Dr. Ashish Kumar
Technical

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


D.K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/A/25/02/14/003

ULR NO. TC144552500000293F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Sampling Location : C-QUARRY (NORTH)
Duration of Sampling : 12.02.2025 TO 13.02.2025
Time of Sampling : 11:10 AM TO 11:10 AM
Sampling Done by : VGL STAFF
Packing Condition : SEALED
Sample Id No. : 003
Environmental Condition Temp.(°C) & RH (%) : 25.4 & 53
Method of Sampling : IS:5182
Sample Receiving Date : 14.02.2025
Sample Processing Date : 15.02.2025 TO 19.02.2025
Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

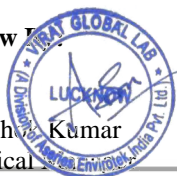
Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	35.4	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	68.4	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	11.4	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	21.2	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	9.5	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	14.7	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.49	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

Page 1 of 1

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- BDL: Below detection limit

Review

Dr. Ashish Kumar
Technical

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)
D. K. Yadav
Authorized Signatory
Lab In-charge

TEST REPORT CODE: VGL/A/25/02/14/004

ULR NO. TC144552500000294F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : **M/S. BIRLA CORPORATION LIMITED**
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA
Sampling Location : **NAI BASTI BIRHULI (SOUTH)**
Duration of Sampling : 12.02.2025 TO 13.02.2025
Time of Sampling : 11:50 AM TO 11:50 AM
Sampling Done by : VGL STAFF
Packing Condition : SEALED
Sample Id No. : 004
Environmental Condition Temp.(°C) & RH (%) : 25.4 & 53
Method of Sampling : IS:5182
Sample Receiving Date : 14.02.2025
Sample Processing Date : 15.02.2025 TO 19.02.2025
Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

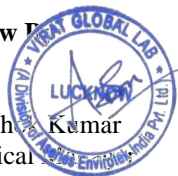
Sr. No.	Parameters	Test Method	Result	Unit	Specification / Limits (As per CPCB)
1.	Particulate Matter (PM2.5)	IS 5182 (Part-24)	31.5	µg/m ³	60.0
2.	Particulate Matter (PM10)	IS 5182 (Part-23)	66.4	µg/m ³	100.0
3.	Sulphur Dioxide (SO ₂)	IS 5182 (Part-2)	12.4	µg/m ³	80.0
4.	Nitrogen Dioxides (NO ₂)	IS 5182 (Part-6)	19.7	µg/m ³	80.0
5.	Ozone (O ₃)	IS 5182 (Part-9)	12.4	µg/m ³	180.0
6.	Ammonia (NH ₃)	IS 5182 (Part-25)	23.9	µg/m ³	400.0
7.	Lead (Pb)	IS 5182 (Part-22)	<1.0	µg/m ³	1.0
8.	Nickel (Ni)	IS 5182 (Part-26)	<1.0	ng/m ³	20.0
9.	Arsenic (As)	VGL/SOP/AIR/01	<1.0	ng/m ³	6.0
10.	Carbon Monoxide (CO)	IS 5182 (Part-10)	0.57	mg/m ³	4.0
11.	Benzo (a) Pyrene (BaP)	IS 5182 (Part-12)	<0.05	ng/m ³	1.0
12.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	<1.0	µg/m ³	5.0

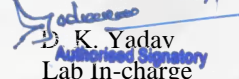
Page 1 of 1

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Review By

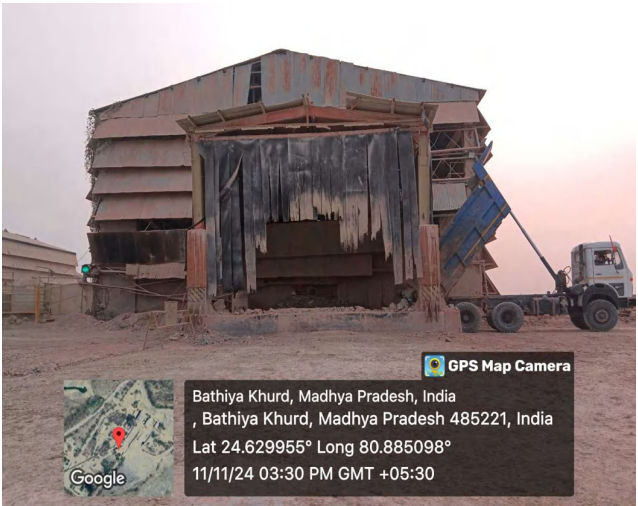
Dr. Ashish Kumar
Technical

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


Dr. K. Yadav
Authorized Signatory
Lab In-charge

VIEW OF MANUALY WATER SPRINKLER IN HAUL ROAD



VIEW OF 1200 TPH CRUSHER ALONG WITH BAG HOUSE



TEST REPORT CODE: VGL/N/24/11/06/N-001-003

ULR NO. TC144552400000541F

TEST REPORT ISSUE DATE: 11.11.2024

TEST REPORT (AMBIENT NOISE)

Name And Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Duration Of Monitoring : 24 HOURS

Monitoring Done By : VGL STAFF

Sampling Method : IS 9989

Sampling Machine Placed at Height : ABOVE 1.5 METER FROM GROUND LEVEL

TEST RESULT


Test Parameters				Noise Level- Day Time			Noise Level- Night Time		
Unit				Leq dB(A)			Leq dB(A)		
Test Method				IS: 9989			IS: 9989		
Sl. No.	Location	Monitoring Date	Sample ID	Leq dB(A)	Max. dB(A)	Min. dB(A)	Leq dB(A)	Max. dB(A)	Min. dB(A)
Limit (as Per CPCB)- Industrial Area				75			70		
1	NEAR FARM HOUSE (EAST)	04.11.2024	N-001	55.3	60.3	49.3	44.3	49.5	39.4
2	NEAR WEIGH BRIDGE (WEST)	04.11.2024	N-002	55.1	61.4	50.1	43.7	48.3	39.2
3	C - QUARRY (NORTH)	05.11.2024	N-003	54.3	59.2	51.3	40.2	46.3	37.8
4	NAI BASTI BIRHULI (SOUTH)	05.11.2024	N-004	51.6	52.4	49.5	42.4	44.5	38.3

Page 01 of 01

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

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VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)


Authorised Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/N/25/02/14/001-004

ULR NO. TC144552500000295F

TEST REPORT ISSUE DATE: 19.02.2025

TEST REPORT (AMBIENT NOISE)

Name And Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- BIRHULI Limestone Mines
(A UNIT OF MP BIRLA GROUP)
PO- BIRLA VIKAS, SATNA-485005, M. P. INDIA

Duration Of Monitoring : 24 HOURS

Monitoring Done By : VGL STAFF

Sampling Method : IS 9989

Sampling Machine Placed at Height : ABOVE 1.5 METER FROM GROUND LEVEL

TEST RESULT

Test Parameters				Noise Level- Day Time			Noise Level- Night Time		
Unit				Leq dB(A)			Leq dB(A)		
Test Method				IS: 9989			IS: 9989		
Sl. No.	Location	Monitoring Date	Sample ID	Leq dB(A)	Max. dB(A)	Min. dB(A)	Leq dB(A)	Max. dB(A)	Min. dB(A)
Limit (as Per CPCB)- Industrial Area				75			70		
1	NEAR FARM HOUSE (EAST)	12.02.2025	N-001	54.0	54.3	50.2	45.5	43.4	40.6
2	NEAR WEIGH BRIDGE (WEST)	12.02.2025	N-002	57.5	63.4	51.4	44.3	48.3	40.1
3	C - QUARRY (NORTH)	13.02.2025	N-003	55.3	61.3	53.5	41.5	46.4	38.3
4	NAI BASTI BIRHULI (SOUTH)	13.02.2025	N-004	55.1	54.4	52.3	43.4	44.2	38.7

Page 01 of 01

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4. The above results are related to the tested sample only.

Review


Dr. Ashok Kumar
Technician In-charge

Authorized Signatory

VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

D. K. Yadav
Lab In-charge


Authorized Signatory

TEST REPORT CODE: VGL/WW/24/11/09/N-001

ULR NO. TC144552400000608F

TEST REPORT ISSUE DATE: 14.11.2024

TEST REPORT (WASTE WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- SAGMANIA LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP) PO- BIRLA VIKAS, SATNA-
485005, M. P. INDIA
Location of Sample : ETP WATER
Sample Description : EFFLUENT TREATED WATER
Date & Time of Sampling : 08.11.2024 & 01:10 PM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Sample Id No. : 001
Laboratory Sample Receiving Date : 09.11.2024
Duration of Sample Analysis : 11.11.2024 TO 14.11.2024
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

SL. NO.	TESTS	UNIT	PROTOCOL	RESULT	SPECIFICATION/LIMIT (AS PER CPCB)
1	pH at 25° C	--	APHA 4500-B	7.15	6.5-9.0
2	Suspended Solids	mg/L	APHA 2540-D	26.7	100
3	Total Dissolved Solid as TDS	mg/L	APHA 2540-C	432.0	2100
4	Oil & Grease as (O & G)	mg/L	APHA 5520-B	<2.0	10
5	Biological Oxygen Demand as (BOD 3days 27°C)	mg/L	IS: 3025 (Part-44)	11.2	30
6	Chemical Oxygen Demand as (COD)	mg/L	APHA 5220-A+C	56.0	250
7	Chloride as Cl	mg/L	APHA 4500 Cl A+B	192.0	1000

Page 1 of 1

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VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)

Authorised Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/WW/25/02/22/001

ULR NO. TC14455240000361F

TEST REPORT ISSUE DATE: 28.02.2025

TEST REPORT (WASTE WATER)

Name and Address of Customer : M/S. BIRLA CORPORATION LIMITED
UNIT- SAGMANIA LIMESTONE MINES
(A UNIT OF MP BIRLA GROUP) PO- BIRLA VIKAS, SATNA-
485005, M. P. INDIA
Location of Sample : ETP WATER
Sample Description : EFFLUENT TREATED WATER
Date & Time of Sampling : 21.02.2025 & 02:40 PM
Sample Collected by : VGL STAFF
Weather Condition : CLEAR
Sample Id No. : 001
Laboratory Sample Receiving Date : 22.02.2025
Duration of Sample Analysis : 24.02.2025 TO 28.02.2025
Method of Sampling : APHA 1060B & 9060A

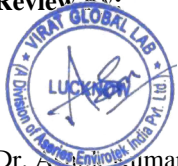
TEST RESULTS

SL. NO.	TESTS	UNIT	PROTOCOL	RESULT	SPECIFICATION/LIMIT (AS PER CPCB)
1	pH at 25° C	--	APHA 4500-B	7.32	6.5-9.0
2	Suspended Solids	mg/L	APHA 2540-D	29.7	100
3	Total Dissolved Solid as TDS	mg/L	APHA 2540-C	448.0	2100
4	Oil & Grease as (O & G)	mg/L	APHA 5520-B	<2.0	10
5	Biological Oxygen Demand as (BOD 3days 27°C)	mg/L	IS: 3025 (Part-44)	12.1	30
6	Chemical Oxygen Demand as (COD)	mg/L	APHA 5220-A+C	58.0	250
7	Chloride as Cl	mg/L	APHA 4500 Cl A+B	196.0	1000

Page 1 of 1

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Review By:


Dr. Anshu Kumar
Technical Manager

Authorized Signatory
VIRAT GLOBAL LAB
(A Division of Aseries Envirotek India Pvt. Ltd.)



D. K. Yadav
Lab In-charge

(FORM - O)

S.B.

(See rule 29F (2) and 29L)

Report of medical examination under rule 29B

(To be issued in triplicate)**

Certificate No. 25/041/1300

Certified that Shri. ~~Ramashish~~ Ram Ashish Yadav employed as ~~shovel operator~~ in ~~Open Cast~~ mine, Form B No. has been examined for initial/periodical medical examination. He appears to be 58 years of age. The findings of the examining authority are given in the attached sheet. It is considered that

Shri Ram Ashish Yadav spo - chatur yadav

✓ (a)* is medically fit for any employment in mines.

(b)* is suffering from and is medically unfit for

(i) any employment in mine; or

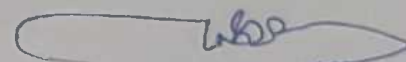
(ii) any employment below ground; or

(iii) any employment or work.....

(c)* is suffering from is should get this disability* cured/controlled and should be again examined within a period of months. He/She will appear for re -examination with the result of test of and the opinion of Specialist from He/She may be permitted/not* permitted to carry on his duties during this period.



Dr. Tabrez Kheera
Chief Medical Officer
OHC Sagmania Mines
Birla Corporation Limited
Reg.No. MP-33456


Dr. Tabrez Kheera
Chief Medical Officer
OHC Sagmania Mines
Birla Corporation Limited
Reg.No. MP-33456

Place: OHC Sagmania Mines

Signature of the examining authority

Date: 18/3/2025

.....
Name and designation in Block letters

* Delete whatever is not applicable.

Report of the examining authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/control of disability).

Annexure to Certificate No. 28/04/1300 as result of medical examination on 13/8/25

Identification Mark (RT) Hand injury finger

1. General development- Good/Fair/Poor
2. Height 160 Cms. Left thumb impression of the candidate
3. Weight 68 kg.
4. Eyes :
 - (i) Visual acuity-Distant vision (with or without glasses)- Right eye 6/9 Left eye 6/9
 - (ii) Any organic disease of the eyes No glasses 6/6 6/6
 - (iii) Night blindness
 - (iv) Colour blindness NONE
 - (v) Squint
5. Ears :
 - (i) Hearing : Right ear (N) Left ear (N)
 - (ii) Any organic diseases of the ears
6. Respiratory system.
Chest measurement :
 - (i) after full inspiration 90 cms.
 - (ii) After full expiration 86 cms.
7. Circulatory system:
Blood Pressure- 128/78 mmHg
Pulse-
8. Abdomen : 12 hr
Tenderness.
Liver.
Spleen.
Tumour. N/A
9. Nervous system:
History of fits or epilepsy
Paralysis. N/A
Mental health.
10. Locomotory system
11. Skin.
12. Hydrocele. N/A
13. Hernia.
14. Any other abnormality
15. Urine : Random
Reaction.
Albumin.
Sugar. N/A
16. Skiagram of chest. N/A
17. Any other test considered necessary by the examining authority. NONE
18. Any opinion of specialist considered necessary.

Place: OHC Sagmaha Mines

Dr. Tabrez Kheera
Chief Medical Officer
OHC Sagmaha Mines
Birla Corporation Limited
Reg. No. MP-33456

Report of medical examination as per the recommendations of National Safety Conference in Mines

(To be used in continuation with form O)

Certificate No: 251041/1300

Name: Roni Nishan Yachan

Identification mark: (C) Hand injury film

1. Cardiological assessment:

Auscultation	S1	(+)
	S2	(+)
	Additional sound	(-)
ECG findings:		Normal/Abnormal

Enclosed ECG

2. Neurological assessment:

Findings	Normal/Abnormal
Superficial reflexes	Normal
Deep reflexes	
Peripheral circulation	
Vibrational syndromes	

3. ILO classification of chest radiograph:

Profusion of pneumoconiotic opacities	Grade	Type
Absent ✓	—	—

Enclosed chest radiograph

4. Audiometry findings:

Conduction type	Left ear	Right ear
Ear conduction	✓ Normal/Abnormal	✓ Normal/Abnormal
Bone conduction	✓ Normal/Abnormal	✓ Normal/Abnormal

Enclosed audiometry report

5. Pathological/Microbiological investigations:

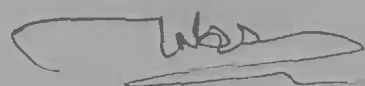
S.No	Test	Findings
1	Blood- Tc, Dc, Hb, ESR, Platelets	✓ WNL/Abnormal
2	Blood sugar- Fasting & PP	✓ WNL/Abnormal
3	Blood urea, creatinine	✓ WNL/Abnormal
4	Lipid profile	✓ WNL/Abnormal
5	Urine routine	✓ WNL/Abnormal
6	Stool routine	WNL/Abnormal

Enclosed investigation reports

6. Special tests for Mn exposure:

Behavioral disturbances		Present/Not present
Neurological disturbances	Speech defect	Present/Not present
	Tremor	Present/Not present
	Adiadocokinesia	Present/Not present
	Emotional changes	Present/Not present

7. Any other special test required: None


Dr. Suresh Kheera
 Chief Medical Officer
 BHC Mining Authority
 Birla Corporation Limited
 Reg.No. MP-33456

Report of Medical Examination under Mines Rule 29 B

(To be used in continuation with Form O)

Certificate No. 2510411300

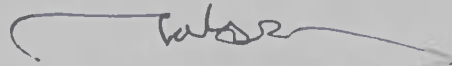
Name: Ram Ashish Yadav

Identification Marks: (R) Hand injd finger

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	3.41	4.12	124
Forceed Vital Capacity 1 (FEV1)	3.02	4.31	143
FEV1/FVC	81.40	91.33	112
Peak Expiratory Flow	7.08	7.48	106

Spirometry Report enclosed


13/02/25 Tabrez Kheera

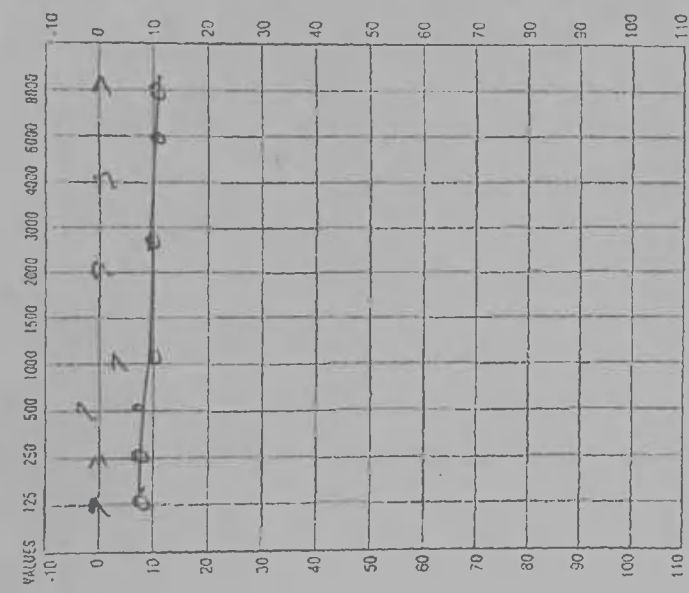
Chief Medical Officer
OHC Sagmania Mines
Birla Corporation Limited

Signature of the Examination Authority

Komgich Yachw

R

HEARING LOSS IN dB
FREQUENCIES IN HERTZ

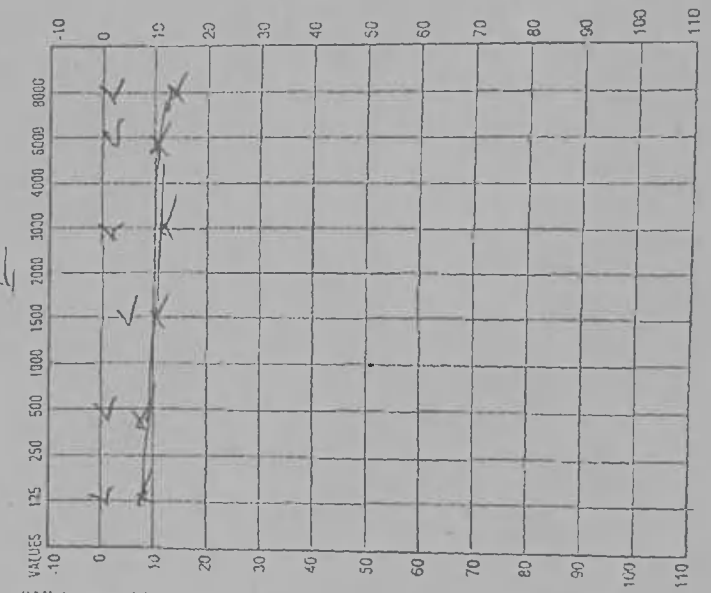


AIR CONDUCTION
O- Rt. Ear
X- Lt. Ear
With Masking
Rt. Ear []
Lt. Ear []
BONCONDUCTION
Rt. Ear (Unmasked) V

Test by

HEARING LOSS IN dB
FREQUENCIES IN HERTZ

L



(With masking
Lt. Ear (unmasked) X
(With Masking
MASKING USED
I- White Noise []
II- Saw Tooth Noise []
III- Filtered White Noise []
No Response ↓

Remarks

**SARDAR VALLABHBHAI PATEL DISTRICT GOVT. HOSPITAL-SATNA****CENTRAL PROCESSING LAB**

JAGADDEV TALAB ROAD PUSHPRAI COLONY SATNA

SATNA MADHYA PRADESH (485001)

PHONE NO - 9324347474

DEPARTMENT OF Clinical Pathology



PATIENT NAME MR. RAMASHISH GARG S/O
GENDER 58 Y / MALE
IDEP NO 171120325/ 00293444
REFERRED DEPT GENERAL MEDICINE
SAMPLE COLLECTION 12-MAR-2025 12:17 PM

MOBILE 0000000000
VISIT TYPE OPD
REFERRED BY DR. VIKRAM SINGH
PRINTED ON: 13-MAR-2025 10:27 AM

SHUHIID NO 1712503/ 003391
OPD/IPD/ANC #
ORDERED ON: 12-MAR-2025 12:16 PM

TEST	RESULT	REFERENCE RANGE
------	--------	-----------------

CBC

HEMOGLOBIN *	16.0 gm/dl	(M:- 12.5-14.5) gm/dl (F:- 11.5-13.5) gm/dl
HCT *	47.3 %	(40-59) %
TOTAL ERYTHROCYTE COUNT *	4.82 10 ⁶ /μL	(M:- 4.5-5.5) 10 ⁶ /μL (F:- 3.8-4.8) 10 ⁶ /μL
MCV *	98.1 fL	(80-96) fL
MCH *	33.2 pg	(26-35) pg
MCHC *	33.8 g/dL	(29-37) g/dL
RDW-CV *	13.6 %	(11-14) %
TOTAL LEUCOCYTE COUNT *	7.24 10 ³ /μL	(4-11) 10 ³ /μL
NEUTROPHILS *	74.3 %	(40-75) %
LYMPHOCYTES *	20.1 %	(20-45) %
MONOCYTES *	5.4 %	(2-10) %
EOSINOPHILS *	0.1 %	(1-6) %
BASOPHILS *	0.1 %	(<1) %
PLATELET COUNT *	151 10 ³ /μL	(150-450) 10 ³ /μL
PDW *	18.9 fL	(8.3-25.0) fL
MPV *	13.1 fL	(8-9.5) fL
PCT *	0.20 %	(0.15-0.62) %

Note:

TEST	RESULT	REFERENCE RANGE
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FBS (GLUCOSE)

FASTING BLOOD SUGAR	108.43 mg/dl	(70 - 110) mg/dl
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Note:

TEST	RESULT	REFERENCE RANGE
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KIDNEY FUNCTION TEST

Blood Urea	23.15 mg/dl	(12.8-42.8) mg/dl
Serum Creatinine	0.99 mg/dl	(Men : 0.7 - 1.2) mg/dl (Women: 0.5 - 0.9) mg/dl
Uric Acid	6.53 mg/dl	(Male:- 3.5-7.2) mg/dl (Female :- 2.6-6) mg/dl

Note:

TEST	RESULT	REFERENCE RANGE
------	--------	-----------------

LIPOID PROFILE

Total Cholesterol	200.30 mg/dl	Desirable: <200 mg/dl Border Line: 200-239 mg/dl High Risk: >240 mg/dl
Triglycerides	99.28 mg/dl	Normal: (<150) mg/dl High: 150-199 mg/dl Borderline High: 200-499 mg/dl High Risk: >500 mg/dl
HDL Cholesterol (D)	35.52 mg/dl	(M:- 30-55) , (F:- 45-65) mg/dl Optimal: <100 mg/dl
LDL Cholesterol (D) *	161.27 mg/dl	Above Optimal : 100- 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 -189 mg/dl
VLDL Cholesterol *	19.86 mg/dl	(25-45) mg/dl
Chol/HDL Ratio *	5.64	(high risk if > 6.0)
LDL/HDL Ratio *	4.54	(< 3.0)

Note:


TEST	RESULT	REFERENCE RANGE
------	--------	-----------------

COLOUR	LT Yellow	(Pale yellow)
TRANSPARENCY *	Clear	(Clear)
DENSITY GRAVITY *	1.015	(1.005 - 1.030)
ACIDITY PH *	5.0	(Acidic)
PROTEIN *	Absent mg/dl	(Absent) - less than 10 mg/dl
GLUCOSE *	Absent mg/dl	(Absent) - less than 100 mg/dl
KETONE BODIES *	Absent mg/dl	(Absent) - less than 5 mg/dl
BILE SALTS/BILE PIGMENT *	Absent mg/dl	(Absent) - less than 0.5 mg/dl
NITRATE *	Absent	(Absent)
BLOOD *	5 RBC/uL	(Absent) - less than 10 RBC/uL
UROBILINOGEN *	Normal mg/dl	(Normal) 0 to 10 mg/dl
PUS CELLS / LEUCOCYTES *	Absent WBC/uL	less than 25 cell/μl WBC/uL
Note:		

Dr. Devendra Singh Patel

Printed By Technician

NOTE: PLEASE CORRELATE WITH CLINICAL CONDITION. DISCLAIMER: THIS REPORT IS ELECTRONICALLY SIGNED.
NOTE: *NOT ACCREDITED. DISCLAIMER: * WILL NOT APPEAR ON THE PARAMETERS ON WHICH NABL(MELT) HAS BEEN RECEIVED.

Signature
Drrashmi Jain
pathologist

Medical examinations October 2024 to March 2025

Category	IME	PME	Total
Contractor	37	3	40
Own	0	0	0



Birla Corporation Limited
Unit: Satna Cement Works
P.O.: Birla Vikas, Satna - 485005
Madhya Pradesh
P : 07672 412000/01 F : 07672 257456
E : admin.scw@birlacorp.com

Regd. A/D

06.01.2025

SCW/ Q/VT/ 18 /2024-25

The Director General of Mines Safety
Dhanbad -826001

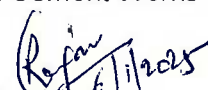
Sub: Progress Chart of Quarter ending December'2024 and Programme Chart of Quarter ending March'2025 of Sagmania Limestone Mines Vocational Training Centre as per Mines Vocational Training Rules, 1966 (Revised training module).

Please find enclosed herewith the Progress Chart for Quarter ending December'2024 and Programme Chart of Quarter ending March'2025 of Sagmania Limestone Mines Vocational Training Centre as per Mines Vocational Training Rules, 1966.

Thanking you,

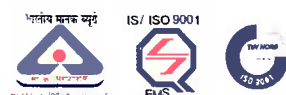
Yours faithfully

For Satna Cement Works


Mines Manager
Sagmania Limestone Mines

Encl: As above.

Cc: 1) Director of Mines Safety
Plot No.1936 to 1949,
JDA Scheme No.5
Behind Joy Higher Secondary School
Vijay Nagar, Jabalpur-482002



MINES VOCATIONAL TRAINING RULES - 1966
SCHEDULE - XII
APPENDIX IN FORM - 7

Progress Chart of Training Centre for the Quarter Ending-March 2025

Name of Centre : **Sagmania Limestone Mines**
Vocational Training Centre
State/District in which it is situated : **Madhya Pradesh, Satna**
Name of Mine Catered : **Sagmania Limestone Mines**

Sl. No.	Category of workers	Type of Course	Batch No.	Schedule	Date of commencement of course	Date of completion of course	Number of trainees		Successful in the test	Remark
							Enrolled in the batch	Completed the Course		
1	Safe Operaton & Maintenance:- Fitter, Operator, Helper & General Majdoor.	R	554	4(IX) & Self made module	05.02.2025	28.02.2025	20	20	20	NIL

Note: (1) For Session - Use M for morning, E for Evening.
(2) Category of workers
(3) Type of Course - Use B for basic, S for Special, R for Refresher.

Signature of Training Officer
Date : 07.04.2025
Name in block letter : **AMOL DHOMNE**

MINES VOCATIONAL TRAINING RULES - 1966
SCHEDULE - XII

Notice of Programme of Training during Quarter Ending -June 2025
APPENDIX IN FORM - I

Name of Centre : Sagmania Limestone Mines
Vocational Training Centre
State/District in which it is situated : Madhya Pradesh, Satna
Name of Mine Centred : Sagmania Limestone Mines
Approximate No. of Student in each Centre :

Code No. of Training Centre- Nil

No. of week	Actual Date			Category of workers	Type of Course	Schedule	Batch No.
	From	To	Session				
3	08.05.2025	31.05.2025	M&E	Safe Operaton & Maintenance:- Fitter, Helper & General Majdoor.	R	4(IX) & Self made module	555
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Note: (1) For Session - Use M for morning, E for Evening.
(2) Category of workers
(3) Type of Course - Use B for basic, S for Special, R for Refresher.



Signature of Training Officer
Date : 07.04.2025
Name in block letter : **AMOL DHOMNE**

TRAINING RECORD CARD

Training Programme	: General Safety Awareness
Faculty/Trainer	: Mr Saurabh Sahu
Date	: 27.12.2024
Time	: 10 AM TO 12 PM
Venue	: VT-Center (Mines) - casual /Permanent Workmen

SN	Code	Name	section	Dept.	Signature
1.	59573	लीरा प्रमोद चौधरी	फिटर	वकीशाप	लीरा प्रमोद
2.	88653	पन्नेलक्ष्मी मिश्र	हेल्पर		पन्नेलक्ष्मी मिश्र
3.	88602	चुल्लुबसिंह	फिटर		चुल्लुबसिंह
4.	93541	रमेशचंद्र वर्मा	फिटर	जलकर्म	Rameshchandra
5.	99932	सौकीला लसोके	डाइवर	रेजिग	सौकीला
6.	107061	रामचंद्र	डाइवर	रेजिग	रामचंद्र
7.	94661			कर्म	
8.	9488	जोनेद शमर	डाइवर		जोनेद शमर
9.					
10.	91355	बिनादे नारायण	मैकानिक	डाक्टर	बिनादे नारायण
11.	2741	दयाराम	डिग्री	दयाराम	
12.	54112	राजेश मिश्रा	मापरेटर	रेजिग	
13.	95885	कमलेश्वर			कमलेश्वर
14.	91120	दीपक कोल	VT सेक्टर		दीपक कोल
15.					
16.	59543	समाना लाल	लॉरेटर	लॉरेटर	समाना लाल
17.	91356	रमेश मोह			रमेश मोह
18.					
19.	94672	अजय रजक	हेल्पर	लॉरेटर	अजय रजक
20.	97845	Kunjshwa Mohan Pandey	हेल्पर	शोप	K.M. Pandey
21.	87424	राम निवाल विश्वकर्मा	हेल्पर	अपरमर	राम निवाल
22.	87403	अक्षय सिंह	हेल्पर	लॉरेटर	अक्षय सिंह
23.	68057	शरमन सेन	हेल्पर	लॉरेटर	शरमन सेन
24.	87405	शहजाद	डाइवर	लॉरेटर	शहजाद
25.	86525	बिजय प्रकाश सिंह	डाइवर	लॉरेटर	बिजय

INCHARGE (HRD)

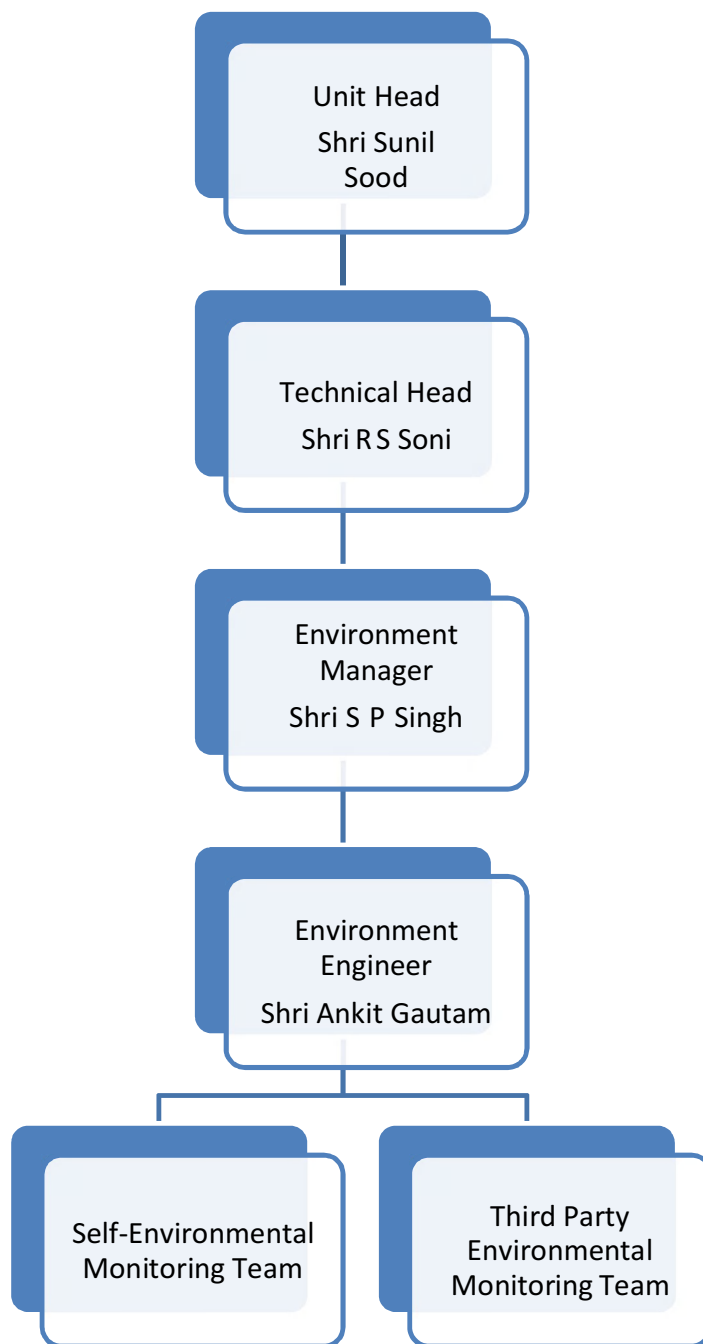
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Annexure-22

Fully Equipped Air & Water Environmental Laboratory



Organization Structure: Environment Management Cell



दैनिक भास्कर

सतना, मंगलवार 21 अगस्त 2007

आम सूचना

सर्व साधारण को सूचित किया जाता है कि बिरला कार्पोरेशन लिमिटेड की ग्राम बिरहुली, तहसील रघुराजनगर, जिला सतना म.प्र. स्थित बिरहुली लाईम स्टोन माइन्स को पर्यावरण एवं वन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा अपने पत्र क्रमांक J-11015/122/2005/I-A. II (M) दिनांक 6 अगस्त 2007 द्वारा लाईम स्टोन के उत्खनन हेतु स्वीकृति प्रदान की गई है। बिरहुली लाईम स्टोन माइन्स का माईनिंग लीज एरिया 56.2 हे. है।

उपरोक्त पत्र की प्रति मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की वेबसाइट <http://envfor.inc.in> पर उपलब्ध है।