

Ref No.: BCL/Sag. Mines/MoEF, Delhi/EC compliance/2021-22/57  
22.11.2021

**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 Sagmania Limestone mines for the period from April 2021 to September 2021.

Ref: Environmental Clearance Letter No. J-11015/271/2006-IA. II (M) Dated 27<sup>th</sup> Dec-2007.

Dear Sir,

With reference to aforesaid EC letter, we are furnishing below the point wise compliance status for your kind information:

**A) Specific Conditions**

EC 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 Sagmania Limestone Mines was granted by Govt. of Madhya Pradesh on dated 19.10.56 and renewed vide letter no-F3-234/97/12/1 dated 13.10.10 and same was executed on 06.03.2013 for mining of limestone, Copy of grant order and lease deed in enclosed for reference as <b>Annexure -1</b> . It is subsequently renewed vide letter no. F-19-5/2015/12-1, Bhopal dated 12.03.2015 till 31.03.2030 <b>Annexure -1A</b> . Mining Lease Deed dated on 6th March 2013 in Form K is enclosed as <b>Annexure 1B</b>
(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 vide letter no. 4834/TS/MPPCB/2006 dated 24.05.2006 and detailed compliance status is enclosed as <b>Annexure -2</b> . <b>NOC Compliance points:</b> 1) The waste water generated at workshop is properly treated and segregated at ETP in different settling tanks. Clean water collected from ETP is used for dust suppression as well as for plantation.

		<p>2) Dedicated water tanker with water sprinkling system is deployed at Mines for haul road. Crusher is equipped with four Bag Dust Collector, Pocket filters, Belt curtain at hopper with water fogging, water sprinkling at conveyor belt etc. to avoid fugitive dust.</p> <p>3) Four ambient air quality monitoring stations established &amp; Two CAAQMS installed to for continuous monitoring of AAQ data.</p> <p>4) Proper Catch drains and siltation ponds of appropriate size have been constructed for the working pit to arrest flow of silt and sediment.</p> <p>5) Till date about 2.52 Lacs plantation has been done within Mines Lease area. In year 2020-21. We have planted 12600 saplings within lease area during April – September 2021</p>
(iii)	<p>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 &amp; Forests and Central Ground Water Authority shall be obtained for mining below water table.</p>	<p>Present mining operation is restricted to above ground water table.</p> <p>We are planning for mining below the Ground Water Table in coming days.</p> <p>Accordingly, we are applying for amendment in existing EC.</p> <p>For proposed deeper mining, we will be intersecting ground water. Hence, we had applied for NOC from CGWA and accordingly CGWA has issued NOC for 329 KLD of seepage (Ground) Water dewatering and 290 KLD of ground water abstraction for domestic uses.</p> <p>Copy of CGWA NOC No. CGWA/NOC/MIN/ORIG/2021/13750 is enclosed as <b>Annexure – 2(a)</b></p>
(iv)	<p>The project proponent shall ensure that no natural watercourse shall be obstructed due to any mining operations.</p>	<p>No any natural water course is passing through mining lease area. Surface plan is enclosed for reference as <b>Annexure - 3.</b></p>
(v)	<p>Top soil should be temporarily stacked with proper slope at earmarked site (s) only with adequate measures and should not be kept unutilized for a period more than 3years. The topsoil should be used for land reclamation and plantation.</p>	<p>Top Soil generated is concurrently used directly for reclamation &amp; rehabilitation in the backfilled areas. Top soil is generated during removal of soil overburden, which is spread over reclaimed area for plantation. Trees are planted considering their suitability to the environment in the rehabilitated area. Top soil generated in last two year is 131248 and 181347 Cubic meter and same was utilized over backfilled area for plantation. Top soil has been stacked earlier with proper slope for soil ridge all around the mining lease boundary line with plantation to make a green belt.</p>
(vi)	<p>The entire waste generated shall be concurrently backfilled and there shall be no external over burden dumps. The entire backfilled area of 166 ha shall be reclaimed by' plantation. The back filling should be carried out in</p>	<p>The entire waste generated is being used in backfilling of excavated areas for reclamation &amp; rehabilitation. The backfilling is carried out up to the level of normal ground level. Top soil generated during removal of soil overburden, is spread over reclaimed area for plantation. Reclamation &amp; Plantation is being done in phased manner as per approved Mining Plan.</p>

	<p>such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.</p> <p>Compliance status should be submitted to the Ministry of Environment &amp; Forests and its Regional Office Bhopal on six monthly basis.</p>	<p>Six monthly Compliance status is regularly being submitted to MoEF &amp; CC and RO, Bhopal.</p>
(vii)	<p>The void left unfilled in an area of 565.78ha 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.</p>	<p>Presently the total opened up area is about 350 Ha, in 5 pits. The mining operations are in progress since 1959 (prior to issuance of EC) and continuing.</p> <p>Void details: Out of 350 Ha opened area, reclaimed area is about 80.48 ha and is being used for plantation;</p> <p>121.52 Ha – From 1959 to till issue of EC – currently being used for Rain Water Harvesting</p> <p>148.00 Ha – After getting EC (2007) to till date – currently being used for Rain Water Harvesting</p> <p>296.26 Ha –Void which is yet to be created and developed as water reservoir</p> <p>The void area of 565.78 Ha shall be suitably reclaimed by end of Mine life (31.03.2030). Photographs are attached as <b>Annexure - 4</b>.</p>
(viii)	<p>Catch drains and siltation ponds of appropriate size shall be constructed for the working pit 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.</p> <p>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</p>	<p>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 <b>Annexure - 5</b>.</p> <p>Garland drains of appropriate size, gradient &amp; length are constructed. Photograph of garland drain is attached as <b>Annexure - 6</b>.</p>

	proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	
(ix)	Plantation shall be raised in an area of 251ha including a 7.5m wide 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 trees should be around 2500 plants per ha.	Till date we have planted about 2.52 lacs saplings in our Mines Lease area. More than 12600 trees are planted during April – September 2021 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 (receipt copy of saplings from forest department are attached as <b>Annexure -7</b> ). Plantation is being carried out as per approved Mining plan. (Photograph of plantation is attached as <b>Annexure -8</b> )
(x)	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 <b>Annexure – 9</b> . 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 <b>Annexure -10</b> .
(xi)	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 1959 and considering future water need and to recharge ground water table, three big Rain Water Harvesting Ponds were created to augment ground water resources in the mine out area. However, above activities were carried out in initial phases of mining operation, and hence the information on various initiatives for water conservations was mentioned and communicated in our application to CGWB for abstracting ground water. Also we have communicated to CGWA for guidance/suggestions on developing suitable Rain Water Harvesting measures on long term basis at our Sagmania Lime stone mine vide letter no. SCW/Q/51/2020-21; Dt. On 21.10.2020. Copy of the same is attached as <b>Annexure 10.1</b> In addition to above 15 Nos of Ground Water Recharge Structures are constructed at Colony, nearby Schools and villages. Photographs of water reservoir attached as <b>Annexure - 4</b> .



		We have also written letter to CGWB seeking guidance/suggestion for developing Suitable rainwater harvesting measures on long term basis at our Sagmania Limestone Mines, Satna. Copy attached as <b>Annexure 10.1</b>
(xii)	<p>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.</p> <p>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.</p>	<p>Ground Water level &amp; Quality monitoring is carried out in &amp; 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) &amp; winter (January). All collected data is also sent regularly to concerned authority. Reference Sheet is attached. Online Water label monitoring data by Piezometer is attached as <b>Annexure-11</b>.</p>
(xiii)	<p>Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board.</p>	<p>Sagmania Limestone Mine was started in 1959. <b>Existing lease hold area is 852.50 Ha.</b> The average mining depth is about 15 mtr. Till date the total opened up area is about 350 Ha. Total 5 pits have been created since inception. The mined-out pits are reclaimed either by backfilling supported by plantation or by converting into Rain Water Harvesting pits. Photograph of rain water harvesting in mined out pits is attached as <b>Annexure 4</b>.</p> <p>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> <p>A) 15 Nos of Ground water recharge structures are constructed in Staff colony, SCW plant, R K Missionary School etc.</p> <p>B) 17 nos. are planned and work shall start shortly</p> <p>C) Under CSR Activities, Construction of check dams and pond deepening at 7 locations have completed with an expenditure of Rs. 38,06,500/- till date.</p> <p>We have also written letter to CGWB seeking guidance/suggestion for developing Suitable rainwater harvesting measures on long term basis at our Sagmania Limestone Mines, Satna. Copy attached as <b>Annexure 10.1</b></p>

(xiv)	The project authorities shall obtain prior approval of the competent authority for drawl of groundwater, required for the project.	Presently the water requirement for operational activities is being met from Rain Water Harvested in Mines Pit. However, considering our proposed deeper mining operation and working below ground water table, we had applied for NOC from CGWA for abstraction of 290 KLD ground water for domestic uses and 329 KLD seepage (Ground) water for dewatering to facilitate mining operation. CGWA has granted us NOC for abstraction of 290 KLD ground water for domestic uses and 329 KLD seepage (Ground) water for dewatering Copy of CGWA NOC No. CGWA/NOC/MIN/ORIG/2021/13750 is enclosed as <b>Annexure - 2(a)</b>
(xv)	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.	Existing Crushers 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. Details are as follows: 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. Water sprinkling on haul road by a dedicated water tanker. Photograph of belt curtains at hopper and water sprinkling at Crusher hopper and Conveyor belt, BDC at belt transfer point are attached as <b>Annexure-9</b> .
(xvi)	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 Vibration monitoring is attached as <b>Annexure-12</b> .
(xvii)	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 <b>Annexure-13</b> .
(xviii)	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 <b>Annexure-14</b> .
(xix)	Consent to operate shall be obtained from the State Pollution	Complied.

	Control Board before starting enhanced production from the mine.	Consent to Operate from MPPCB is attached as <b>Annexure-15</b> .
(xx)	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 <b>Annexure-16</b> .
(xxi)	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office.	Digital processing by remote sensing technique of the entire lease is being done regularly once in three years for monitoring land use pattern & report is being submitted to MoEF & its Regional Office. Copy of submission letter is attached as <b>Annexure-17</b> .
(xxii)	Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and mine waste water.	Sewage Treatment Plant of 1080 KLD capacity is installed at staff colony to treat waste generated from colony. The treated water is used for green belt development. STP is for cement plant. However, in mines, domestic waste water is allowed to treat through septic tank. Effluent Treatment Plant is installed to treat waste generated due to washing of HEMM is at Mines workshop and the treated water is used for plantation. No waste water is generated from mining process.
(xxiii)	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.	Final Mine Closure Plan along with details of Corpus fund will be submitted to MOEF 5 years in advance of final mine closure for approval. .

## B General Conditions

EC 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 is attached as <b>Annexure 17A</b>
(ii)	No change in the calendar plan including excavation, quantum of	There is no change in mining technology & scope of working.

	mineral limestone and waste should be made.	All working & reclamation activity is being carried out as per approved Mining Plan Certified copy of Production is attached as <b>Annexure 17A</b>
(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.	<p>The biodiversity in the area is not very high due to intense biotic pressure. The area is predominantly agro-system with poor irrigation facilities. There is no suitable habitat for occurrence of important fauna in the area. No significant endangered species have been reported in the area. The density of plants is very low with dominating tree species of Manga, Mahuwa, Neem, and Peepal.</p> <p>However, preservation measures for flora &amp; fauna in the core &amp; buffer zone are taken up considering following aspects</p> <ol style="list-style-type: none"> <li>1. Prevention of Pollution: controlled blasting, Drill machines are equipped with water injection system, Water sprinkling on haul road with water sprinklers and water tankers, Bag filters for Crusher, pocket filters for belt conveyors, Belt curtain at hopper, water sprinkling at transfer points and Massive tree plantation of native species.</li> <li>2. Soil Conservation: Top Soil generated is concurrently used directly for reclamation &amp; rehabilitation in the backfilled areas and plantation is done. Proper Catch drains and siltation ponds to arrest silt and sediment</li> <li>3. Water Conservation: In the areas of water harvesting, only the berms are been planted and high-water consuming trees like Eucalyptus are avoided.</li> </ol> <p>We have requested guidance from the local forest and wildlife department for above mentioned protection measures. Copy of the same is attached as <b>Annexure 17 B</b></p>
(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 <sub>2</sub> , NO <sub>x</sub> , 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	Four ambient air quality monitoring stations are already established for monitoring of PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>2</sub> . 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.

	Control Board. Data on ambient air quality (RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> , 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.	Third Party AAQ Report is enclosed as <b>Annexure 19A</b> .
(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 <b>Annexure-18</b> .
(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 <b>Annexure-19</b> .
(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 <b>Annexure-20</b> .
(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 information on safety and health aspects. 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.	Person working in dust prone areas are provided with dust mask. Adequate training and information regarding Safety and health aspects is provided to them. OHS programme of the workers is under taken periodically. Training report attached as <b>Annexure-21</b> . Occupational health & Safety surveillance programme as per mining act/rules is carried out regularly.

(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 <b>Annexure-22</b> .
(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 of SD-Head, Environment Manager, Environmental Engineer and monitoring team. Well-equipped environmental laboratory of is established. Organization structure of Environment is attached as <b>Annexure-23</b> .
(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.	Environmental Expenses for the year 2020-21 is attached as <b>Annexure-24</b> .
(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.	Complied
(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 Pollution Control Board and State Pollution Control Board.	Regularly being submitted.
(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 We have already informed to DM , Satna & District Industry Center, Satna after getting EC letter Copy of letter is enclosed as <b>Annexure 24A</b> for reference
(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.	We have informed Regional office, Bhopal on financial closure & final approval of the project FY 2020-21. Copy attached as <b>Annexure 24B</b>
(xvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry	<b>The MPCB is the concerned authority in this regard.</b>



	center and Collector's/Tehsildar's Office for 30 days.	
(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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> 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 <b>Annexure-25</b> .

We hope the above given information are in order.

With regards,

Yours faithfully,  
for BIRLA CORPORATION LIMITED  
Unit- Sagmania Limestone Mines



Sunil Kasture  
Head-Sustainable Development

**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

16  
मध्यप्रदेश शासन  
खनिज साधन विभाग  
मंत्रालय

-: आदेश :-

भोपाल, दिनांक - 13/10/10

क्रमांक - एफ 3-234/97/12/1 - यह कि जिला सतना के ग्राम पुरेनी, बारीकला, बराज, नीमी, भुर्जनाकला, बठियाखुर्द, नैना में 1000 हेक्टेयर क्षेत्र पर मेसर्स बिरला जूट इण्डस्ट्रीज लिमिटेड (अब मेसर्स बिरला कार्पोरेशन लिमिटेड) के नाम पर विभागीय आदेश क्रमांक एफ 3-183/76/12/6 दिनांक 22.04.77 द्वारा चूना पत्थर के खनिपट्टे का प्रथम नवकरण स्वीकृत था। प्रथम नवकरण पर खनिपट्टे की अवधि दिनांक 19.10.76 से 18.10.96 तक के लिए स्वीकृत था। उक्त स्वीकृत क्षेत्र 1000 हेक्टेयर में से 939.787 हेक्टेयर क्षेत्र पर मेसर्स बिरला जूट एण्ड इण्डस्ट्रीज लिमिटेड (अब मेसर्स बिरला कार्पोरेशन लिमिटेड) द्वारा आगामी बीस वर्ष की अवधि के लिए द्वितीय नवकरण आवेदन पत्र दिनांक 13.10.95 को प्रस्तुत किया गया है। द्वितीय नवकरण में आवेदित क्षेत्र का ग्रामवार विवरण निम्नानुसार है :-

क्र.	ग्राम का नाम	स्वीकृत क्षेत्र का विवरण (हेक्टेयर में)
01.	पुरेनी	83.980
02.	बारीकला	162.890
03.	बराज	149.600
04.	नीमी	108.500
05.	भुर्जनाकला	227.080
06.	बठियाखुर्द	132.750
07.	नैना	135.200
	योग	1000.000

02. आवेदक कंपनी मेसर्स बिरला जूट कंपनी लिमिटेड का नाम दिनांक 31.03.97 से बिरला पॉवर लिमिटेड हो गया था। इसके पश्चात् दिनांक 27.10.97 से बिरला पॉवर लिमिटेड से बिरला कार्पोरेशन लिमिटेड हो गया है।

03. भारतीय खान ब्यूरो, नागपुर के पत्र क्रमांक एन-11011/17/आर.एम.एल./97/सी.सी.ओ.एम./1277 नागपुर, दिनांक 27.12.07 से द्वितीय नवकरण किये जाने की अनुशंसा की गई है। भारत सरकार, पर्यावरण एवं वन मंत्रालय के पत्र क्रमांक जे-11015/271/2006/आई.ए.-2(एम)- दिनांक 27.12.07 से इनवायरमेंटल क्लियरेंस भी पट्टाधारी को प्राप्त है।

04. द्वितीय नवकरण में आवेदित क्षेत्र 939.787 हेक्टेयर क्षेत्र में से 57.000 हेक्टेयर क्षेत्र (142 एकड़ क्षेत्र) वन भूमि था। अपर मुख्य सचिव, वन की अध्यक्षता



समिति के समक्ष इस प्रकरण को दिनांक 26.12.09 को रखा गया था पर समिति द्वारा सर्व सम्मति से यह निर्णय लिया गया था कि नवकरण विवादित क्षेत्र के भीतर जो 57.000 हेक्टेयर क्षेत्र वन भूमि है, उसे छोड़कर तथा 7.000 हेक्टेयर की सीमा से चारो ओर की 50.00 मीटर की दूरी का क्षेत्र छोड़कर शेष क्षेत्र उपलब्ध होता हो उस पर नवकरण की कार्यवाही करने में कोई आपत्ति नहीं है। कलेक्टर, सतना से इस सम्बन्ध में प्रतिवेदन प्राप्त करने पर कलेक्टर द्वारा निम्नानुसार 852.50 हेक्टेयर क्षेत्र उपलब्ध होना प्रतिवेदित किया है। यह उपलब्ध क्षेत्र दो खण्डों में है। उपलब्ध क्षेत्र का ग्रामवार विवरण निम्नानुसार है :-

क्र.	ग्राम का नाम	रकबा एकड़ में
1.	पुरैनी	207.00
2.	बराज	288.00
3.	बारीकला	268.10
4.	नीमी	268.10
5.	नैना	333.10
6.	बठियाखुर्द	328.00
7.	भर्जुनाकला	413.30
योग		2105.67 एकड़ 852.50 हेक्टेयर

05. अतः राज्य शासन द्वारा पूर्ण विचारोपरांत खान एवं खनिज (विकास एवं विनियमन) अधिनियम 1957 की धारा 6(1)(सी) के तहत शिथिलीकरण प्रदान करते हुए उक्त उपलब्ध क्षेत्र 852.50 हेक्टेयर (2105.67 एकड़) क्षेत्र पर चूना पत्थर खनिज के खनिपट्टे का द्वितीय नवकरण निम्नलिखित शर्तों एवं विवरण पर स्वीकृत जा जाता है।

- (1) आवेदक का नाम : मेसर्स बिरला कॉर्पोरेशन लिमिटेड  
पो. आ. बिरला विकास, सतना म.प्र.  
- पिन - 485005।
- (2) स्वीकृत क्षेत्र का विवरण : जिला सतना के ग्राम पुरैनी, बराज, बारीकला, नीमी, नैना, बठियाखुर्द, भर्जुनाकला का कुल रकबा 852.50 हेक्टेयर (2105.67 एकड़) (संलग्न शेड्यूल अनुसार)
- (3) खनिज का नाम : चूना पत्थर
- (4) द्वितीय नवकरण में स्वीकृत अवधि : दिनांक 19.10.96 से 20 वर्ष (बीस वर्ष)
- (5) रायल्टी/डेंडरेंट आदि : नियमों में प्रावधानित दर से
- (6) थियोडोलाइट सर्वे आदि : यदि आवश्यक हो तो किया जावे।

- 18
- (7) अनुबंध निष्पादन के पूर्व यह सुनिश्चित कर लिया जावे कि आवेदक के ऊपर म.प्र. ग्रामीण अवसंरचना तथा सड़क विकास नियम 2005 के तहत देय कर की राशि पूर्णतः जमा हो।
- (8) अनुबंध निष्पादन के पूर्व यह भी सुनिश्चित कर लिया जावे कि आवेदक के ऊपर खनिज राजस्व की राशि/ 1:1.6 परिवर्तन सूत्र के तहत निकाली गई अतिरिक्त राशि में से माननीय न्यायालय द्वारा स्थगित राशि छोड़कर शेष राशि मय ब्याज सहित पूर्णतः जमा हो।
- (9) यह सुनिश्चित कर लिया जावे कि स्वीकृत क्षेत्र वन संरक्षण अधिनियम से 1980 के प्रावधानों से प्रभावित तो नहीं होता है।
- (10) भारत सरकार, वन एवं पर्यावरण मंत्रालय की अधिसूचना दिनांक 14-9-2006 की अपेक्षा अनुसार कार्यवाही की जावे।
- (11) आवेदक द्वारा स्वीकृत क्षेत्र पर ही खनन कार्य किया जावेगा।

यदि आवेदक को उपरोक्त शर्तें मान्य हो तो नियमानुसार जमानत राशि जमा कराई जाकर छः माह के अंदर अनुबंध का निष्पादन कराया जावे एवं निष्पादित अनुबंध की एक प्रति तत्काल इस विभाग को भेजी जावे।

मध्यप्रदेश के राज्यपाल के नाम से  
तथा आदेशानुसार

(एस. के. शिवानी)  
अवर सचिव,

म.प्र.शासन, खनिज साधन विभाग

भोपाल, दिनांक - 13/10/10

पृ. क्रमांक - एफ 3-234/97/12/1

प्रतिलिपि -

01. कलेक्टर, जिला सतना म.प्र.।
02. संचालक, भौमिकी तथा खनिकर्म मध्यप्रदेश, भोपाल।
03. डायरेक्टर जनरल ऑफ माइन्स एण्ड सेफ्टी, धनबाद (झारखण्ड)।
04. कंट्रोलर जनरल, इण्डियन ब्यूरो ऑफ माइन्स, नागपुर।
05. क्षेत्रीय खान नियंत्रक, भारतीय खान ब्यूरो, जबलपुर।
06. मेसर्स बिरला कॉर्पोरेशन लिमिटेड, पो. आ. बिरला विकास, सतना म.प्र. - 485005।

की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

07. गार्ड फाईल।

*(Signature)*  
अवर सचिव

म.प्र.शासन, खनिज साधन विभाग



खान एवं खनिज (विकास तथा विनियम) अधिनियम, 1957 संशोधन अध्यादेश 2015  
के अधीन खनिपट्टों की अवधि वृद्धि के संबंध में

पूरक अनुबंध पत्र निष्पादन दिनांक - 19-09-2017

यह पूरक अनुबंध, खान एवं खनिज (विकास तथा विनियम) अधिनियम, 1957 संशोधन अध्यादेश 2015 के अधीन तथा म0प्र0 शासन खनिज साधन विभाग मंत्रालय के आदेश क्रमांक एफ-19-5/2015/12-1 भोपाल दिनांक 12.03.2015 के अनुसार कैप्टिव उपयोग हेतु स्वीकृत खनिपट्टों की मूल स्वीकृति अवधि के स्थान पर 50 वर्ष या अंतिम नवकरण समाप्ति दिनांक से 31.03.2030 इनमें से जो भी बाद में हो स्वीकृत मान्य (Deemed) किये जाने के संबंध में अधिनियम की धारा 8 ए (5) अनुसार किया जा रहा है।

खनिपट्टाधारी मेसर्स बिरला कारपोरेशन लिमिटेड यूनिट-सतना सीमेन्ट वर्क्स, सतना जिला सतना को म0प्र0 शासन खनिज साधन विभाग के द्वारा ग्राम बारीकलां, बराज, पुरैनी, नीमी, बठियाखुर्द, नैना एवं भरजुना कला तहसील रघुराजनगर के रकबा 6101 एकड़ (2469 हेक्टेयर) पर खनिज 20 वर्ष की अवधि के लिए स्वीकृत किया गया था, जिसके अनुबंध का निष्पादन दिनांक 19.10.1956 को हुआ था।

स्वीकृत खनिपट्टा म0प्र0 शासन खनिज साधन विभाग के नवीनीकृत आदेश क्रमांक एफ-3-182/76/12/6 दिनांक 22.04.1977 द्वारा प्रथम नवकरण में रकबा 1000 हेक्टेयर क्षेत्र पर खनिज चूनापत्थर खनिपट्टा 20 वर्ष के लिए नवीनीकृत होकर दिनांक 19.10.1976 से 18.10.1996 तक स्वीकृत व अनुबंधित था। द्वितीय नवीनीकरण आवेदन पत्र दिनांक 13.10.1995 को प्रस्तुत किया गया था स्वीकृत खनिपट्टा म0प्र0 शासन खनिज साधन विभाग के नवीनीकृत आदेश क्रमांक एफ-3-234/97/12/1 दिनांक 13.10.2010 द्वारा द्वितीय नवकरण में रकबा 852.500 हेक्टेयर क्षेत्र पर खनिज चूनापत्थर खनिपट्टा 20 वर्ष के लिए नवीनीकृत होकर दिनांक 19.10.1996 से 18.10.2016 तक स्वीकृत व अनुबंधित था। तृतीय नवीनीकरण आवेदन पत्र दिनांक 31.07.2015 को प्रस्तुत किया गया था।

म0प्र0 शासन खनिज साधन विभाग मंत्रालय के आदेश क्रमांक एफ-19-5/2015/12-1 भोपाल दिनांक 12.03.2015 के अनुसार कैप्टिव उपयोग हेतु स्वीकृत खनिपट्टों के अधिनियम के प्रावधानों के अधीन वृद्धि किये जाने के संबंध में एम.एम.डी.आर. अधिनियम 2015 के नियम 8 ए (5) के अनुसार जबकि खनिज कैप्टिव उपयोग के लिए किया जा रहा है, स्वीकृत लीज दिनांक से 50 वर्ष या अंतिम नवकरण समाप्ति दिनांक से 31 मार्च 2030 इनमें से जो भी बाद में हो, स्वीकृत मान्य (Deemed Renewal) किया जाकर लीज अवधि वृद्धि की जायेगी अर्थात् स्वीकृत खनिपट्टा अंतिम नवकरण समाप्ति दिनांक 18.10.2016 से 31.03.2030 प्रतिस्थापित कर स्वीकृत मान्य समझा (Deemed) जाकर दिनांक 18.10.2016 से कैप्टिव खनिपट्टा के लिए आदेशित न्यूनतम अवधि 31.03.2030 तक विस्तारित खनिपट्टा अवधि हेतु पूरक अनुबंध किया जा रहा है।

खान एवं खनिज (विकास एवं विनियमन) संशोधित अधिनियम 2015 के अधीन खनिपट्टों की अवधि वृद्धि के संबंध में शर्तें खनिपट्टा मूल स्वीकृत आदेश, नवीनीकरण स्वीकृत आदेश तथा, खनिपट्टा मूल अनुबंध पत्र तथा नवीनीकरण अनुबंध पत्र के अनुसार यथावत् रहेगी तथा यह पूरक अनुबंध पत्र, मूल अनुबंध पत्र का भाग होगा।

पूरक अनुबंध पत्र स्वीकृत खनिपट्टा की विस्तारित अवधि 18.10.2016 से 31.03.2030 तक कुल 13 वर्ष 5 माह एवं 13 दिन के लिए किया जा रहा है। स्टाम्प ड्यूटी के लिए औसत वार्षिक रायल्टी रुपये 294400000/रु. हैं। भारतीय स्टाम्प अधिनियम 1899 के तहत स्टाम्प शुल्क रजिस्ट्रीकरण अधिनियम 1908 के तहत रजिस्ट्रेशन फीस जमा किया जाना तथा निष्पादित पूरक अनुबंध का पंजीयन कराया जाना अनिवार्य होगा।

साक्षी .....

1. ....

2. ....

साक्षी : -

1. ....

2. ....

Mining Officer  
For, Collector  
SATNA (M.P.)

कलेक्टर  
जिला सतना (म0प्र0)

पट्टेदार

जे.एस. कालरा,  
(सीनियर ज्वाइंट प्रेसीडेंट)

वास्ते-मेसर्स बिरला कारपोरेशन लिमिटेड,  
यूनिट-सतना सीमेन्ट वर्क्स, सतना





मध्य प्रदेश MADHYA PRADESH



K 459300



File No.

### AGREEMENT Dt.

To go with sanctioned Second Renewal Mining Lease for Limestone in Village Puraini, Barikala etc. Teh. Raghuraj Nagar, District Satna over an area of 852.500 Hect. for a Period Twenty years vide Govt. order No.-3-234/97/12/1 Bhopal dated 15.09.2011 in favour of M/s Birla Corporation Ltd., Satna Cement Works Satna (M.P.)

Agreement executed Between the Governor of M.P. through the Collector Satna (M.P.) and M/s Birla Corporation Ltd., Through Shri P.S. Marwah (President) M/s Birla Corporation Ltd. Satna Cement Works Satna (M.P.)

स्वनि अधिकारी  
बिला- सतना (म.प्र.)

For: BIRLA CORPORATION LTD.  
Unit: Satna Cement Works

P.S. Marwah  
(P.S. MARWAH)  
President





मध्य प्रदेश MADHYA PRADESH

K 459299

For: BIRLA CORPORATION LTD.  
Unit: Satna Cement Works

*P. S. Marwah*  
(P. S. MARWAH)  
President

*S. J.*  
स्वर्णि अल्लोरी  
निवा: सतना (म. प्र.)



(See Rule 31)

When the lessee is an individual

\_\_\_\_\_ (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

### When the Lessee is a Registered Firm

### When the Lessee is a Registered Company

सूक्तम् (4.प्र.)

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

अति अधिकार  
जिह्वा-सदृश (म० प्र०)

(P. S. MARWAH)  
President

उप संचालक (खनिज प्रशासन)  
कलेक्टर कार्यालय  
खनि शाखा, सतेरा (म.प्र.)





part 1 the said schedule, together with the liberties powers and privileges 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 19 day October, 1996 for the term of 20 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 village PURAINI, BARIKALAN, BARAJ, NIMI, BHARJUNAKALAN, BATHIAKHURD, & NAINA Description of area or are 852.50 Hectare in (Pargana) in Reghurainagar the Registration Dist. Satna, Thana Kolgawan bear Cadastral Survey Nos. KHASRA NO.SCHEDULE ENCLOSED containing an area of 8.52 Sq. K.M. or there about delineated on the plan here to annexed and thereon coloured RED and bounded as follows.

On the North by - **Part of village Bharjunakalan, Barikalan, Baraj and Nimi thereafter Bharjunakhurd and Poindha**

On the South by - **Part of village Bathiakhurd, Naina, BCL Mining Lease area of Birhuli and Sakaria village.**

On the East by - **Village Birhuli, Phutaundha and Barikalan**  
and

On the West by - **Part of village Bathiakhurd, Bharjunakalan and thereafter Umri.**

Hereinafter referred to as "the said lands"

Sl.No.	Name of the Village	Area in Acres	Area in Hectares
01.	Puraini	207.07	84.100
02.	Baraj	288.00	116.630
03.	Barikalan	268.10	108.540
04.	Nimi	268.10	108.540
05.	Naina	333.10	134.860
06.	Bathiakhurd	328.00	132.793
07.	Bharjunakalan	413.30	167.327
	<b>Total</b>	<b>2105.67</b>	<b>852.50</b>

For: BIRLA CORPORATION LTD.  
Unit : Satna Cement Works

निदेशिका (नं. १०५)  
निदेशिका (नं. १०५)

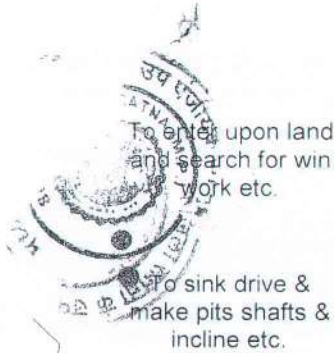
P. S. Marwah  
(P. S. MARWAH)  
President

निदेशिका (नं. १०५)  
निदेशिका (नं. १०५)  
निदेशिका (नं. १०५)



## PART - II

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



To enter upon land and search for win work etc.

To sink drive & make pits shafts & incline etc.

To bring and use machinery equipment, etc.

To make roads and ways and use existing roads and ways

To get building and road materials etc.

To use water from streams etc.

To use land for staking heaping depositing purposes.

Beneficiation and conveying away of production.

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.
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].
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 brik-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.
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.
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.
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.
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.
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.

For : BIRLA CORPORATION LTD.  
Unit : Satna Cement Works

७  
सतना सिमेंट वर्क्स लि.  
बिला- सतना (म.प्र.)

(P.S. MARWAH)  
President

उप विभागाध्यक्ष (मिनीय प्रशासन)  
महोदय, कार्यालय  
मिनी शाखा, सतना (म.प्र.)





Facilities for  
adjoining Govt.  
license & lease

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.

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

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 : BIRLA CORPORATION LTD.  
Unit : Satna Cement Works

(P. S. MARWAH)  
President

स्वनि अधिकारी,  
बिला- सतना (म.प्र.)

उप संचालक (जनित सहा)  
कारखाना पर्याय  
स्वनि शाखा, सतना (म.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

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/lessees 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.

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.

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

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.

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.  
Unit: Satna Cement Works

(P. S. MARWAH)  
President

उप संचालक (वित्त प्रशासन)  
कलेक्टर कार्यालय  
खनि शाखा, सतना (म.प्र.)

स्वनि अधिकारी  
जि.स. सतना (म.प्र.)

Rent and  
royalties to be free  
from deductions etc.

Mode of  
computation of  
royalty

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

Lessee to pay rents  
& royalties taxes  
etc.

To maintain & keep  
boundary mark in  
good order





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/Lessee 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 or 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.
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: -

To maintain plans  
etc.

For: BIRLA CORPORATION LTD.  
Unit : Satna Cement Works

  
(P.S. MARWAH)  
President

उप संचालक (खनिज प्रशासन,  
कार्पेटेड कार्यालय  
खनि शाखा, सतना (म.प्र.)

  
स्वनि अधिकारी  
बिधा- सतना (म.प्र.)





To allow test of weighing machine



To pay compensation for injury or third parties

Not to obstruct working of other minerals

Transfer of lease

स्वनि अधिकारी  
बिधा- सचवा (नं० ३०)

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.

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.

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.

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  
Unit : Satna Cement Works

*P. S. Marwah*  
(P. S. MARWAH)  
President

संयोजक (अभिज्ञ प्रशासन)  
सहायक कार्यालय  
(नि. शाखा, सतना (म.प्र.))



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


Right of  
pre-exemption

19. Whenever the security deposit of Rs.1000/- 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.1000/-.
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.
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.  
Unit : Satna Cement Works

  
(P.S. MARWAH)  
President

सालिक (समिज प्रशासन)  
सालिक कार्यालय  
सालिक, सतना (म.प्र.)

  
स्वामि अधिकारी  
जिन्दा- सतना (म.प्र.)



## PART - VIII

## The covenants of the State Government

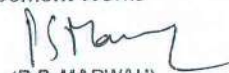
1. The lessee/lessees paying the rents and royalties hereby reserved and observing and performing all the covenants and agreements contained and on the part of the lease/lessees to be observed and performed shall and may quietly hold and enjoy the rights and premises hereby demised for an during the 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.
3. The mining lease is renewable in terms of the provisions of the Act. and the rules made thereunder.

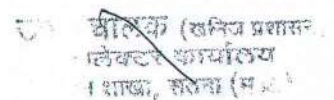
Provided that the State Government may for reasons to be recorded in writing reduce the area applied for.


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 expiration 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 expiration 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 Twenty 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 expiration of the term hereby granted.

For: BIRLA CORPORATION LTD.  
Unit : Satna Cement Works

  
(P.S. MARWAH)  
President

  
अधिकारी (सचिव प्रशासन)  
सचिव कार्यालय  
शासन, रायपुर (म.प्र.)

  
अधिकारी  
विभाग- रायपुर (म.प्र.)

Acquisition of lands  
of third parties and  
compensation  
thereof



Lessee/Lessees  
may hold enjoy  
rights quietly.



Penalty for repeated  
breaches 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 <sup>2</sup>[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.  
Unit : Satna Cement Works

(P. S. MARWAH)  
President

उप संचालक (खनिज प्रशासन),  
कलेक्टर कार्यालय  
खनि शाखा, सेतना (म.प्र.)

खनि अधिकारी  
जिला- सेतना (म.प्र.)



MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran Parishad, E-5, Aera Colony, BHOPAL- 462 016

Regd

No. 11834 /TS/MPPCB/2006

Date: 21-5-06

To,

M/s. Birla Corporation Ltd.,  
[Unit: Sagmania Lime Stone Mines]  
P.O. Birla Vikas,  
Distt. Satna-485 005 [M. P.]

Sub: No Objection Certificate for obtaining Environmental Clearance from Govt. of India for proposed expansion of **Captive Lime Stone Mines at Sagmania, P.O. Birla Vikas, Distt. SATNA {M. P.}**.

Ref: Your application No. NIL dated:10/08/2005.

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. 318[E] dated: 10/04/97, No objection certificate is hereby issued for proposed expansion of **Captive Lime Stone** for Mining project from **3.3 MTPA to 4.9 MTPA [Three Point Three to Four Point Nine Million Tonnes per Annum]** at Sagmania Teh. Raghurajnagar, Distt. Satna [M. P.], subject to following conditions:

1. The Mine discharge water/domestic waste shall be properly treated and fully utilized in plantation/sprinkling or other useful purpose. No treated/untreated water shall be let out at any point of time outside of mine premises. Treated effluent quality shall meet the standards prescribed by M. P. Pollution Control Board in gazette Notification of M.P. dated: 25/03/88.
2. The construction of effluent treatment plant shall be taken up simultaneously with other civil work. Sewage treatment plant shall be installed for the residential colony. ETP should also be provided for workshop waste water. Mine shall make arrangement of suitable drains/pipe networks to ensure adequate flow for full utilization of treated effluent insides of the premises.
3. Appropriate air pollution control equipments shall be installed at all points of emission sources and shall ensure that these are always kept running and in good working order all the time. Effective steps shall be taken to control fugitive emissions during excavation of mine, its handling/crushing/transportation etc.
4. Crushers at the mine handling plant should be operated with high efficiency bag filters, water sprinkling system should be provided to control fugitive emissions from crushing operations, haulage roads, transfer points etc.
5. Fugitive dust emission from all the sources should be controlled effectively and duly monitored. Water required for in spraying arrangement on haul roads, wagon loading, dump trucks [loading & unloading] points should be provided and properly maintained.





**MADHYA PRADESH POLLUTION CONTROL BOARD**  
**Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462 016**

6. Mine shall ensure that the concentration of particulate matter from point sources shall not exceed  $150 \text{ Mg/Nm}^3$ .

7. Ambient air quality at the boundary of the mine premises shall conform to the following limits:

	<u>24 Hours</u>	<u>Annual</u>	
a. Suspended Particulate Matter	300 Microgram/Cubic Meter	500	Microgram/Cubic Meter
b. Sulphur Dioxide [SO <sub>2</sub> ]	80 --	120	--
c. Nitrogen Oxides [Nox]	80 --	120	--
d. Carbon Monoxide [CO]	-- --	5000	--
e. RSPM	180 --	250	--

8. Mines shall take effective steps to check the soil erosion from waste material dumping area and causing 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.
9. The Mine shall take proper action to control the noise pollution. The ambient noise level shall not exceed the limit 75dB [A] during the day time and 70dB [A] during the night time.
10. Extensive tree plantation shall be done on both side of transportation roads and around mining lease area. The tree plantation shall be carried out in phase manner preferably with local species.
11. Mining activity shall be carried out in such a way so that prime land area may not get degraded.
12. Mines shall obtain necessary permission from Central Ground Water Board before start of the Mining activity.
13. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
14. 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.
15. A separate Environmental Cell with suitably qualified technical personnel to carryout various functions should be set up under the control of senior executive who will report directly to head of the organization.
16. Digital processing of the entire lease area using remote sensing techniques should be done regularly once in three years for monitoring land use pattern and report submitted to Board.



**MADHYA PRADESH POLLUTION CONTROL BOARD**  
**Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462 016**

17. Good house keeping practice shall be adopted by the Mine.
18. The Board reserves the right to amend cancel any of the above conditions as a whole or in part as and when deemed necessary.

This "No Objection Certificate" is issued 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.

The mine shall be required to obtain following permissions from the Board prior to commencement of expansion:

- (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 Emergency Response Centre.
- (d) Authorization under the provisions of the manufacture, storage & impact of Hazardous Chemicals Rules, 1989 [as amended in 2003]

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

  
o/c (B. K. Singh)  
Member Secretary

Endt No. U 835/TS/MPPCB/2006  
Copy to:-

Date: 24-8-06

1. Secretary, Govt. of India, MoEF, CGO Complex, Paryawaran Bhawan, CGO complex, Lodhi Road, **New Delhi** for information please.
2. Regional Officer, M.P. Pollution Control Board, **Satna**.
3. IT Section, M.P. Pollution Control Board, Bhopal.

  
o/c (B. K. Singh)  
Member Secretary



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Birla Corporation Limited-sagmania Mines		
Project Address:	Sagmania Limestone Mines,, Satna Cement Works,, P.o. Sagmania		
Village:	Naina	Block:	Sohawal
District:	Satna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	Birla Corporation Limited, Satna Cement Works, P.o. Birla Vikas, Sohawal, Satna, Madhya Pradesh - 485005		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1.	NOC No.:		CGWA/NOC/MIN/ORIG/2021/13750												
2.	Application No.:		21-4/1137/MP/MIN/2021				3.	Category: (GWRE 2020)			Semi Critical				
4.	Project Status:		Existing Project				5.	NOC Type:			New				
6.	Valid from:		16/11/2021				7.	Valid up to:			15/11/2023				
8.	Ground Water Abstraction Permitted:														
Fresh Water				Saline Water				Dewatering				Total			
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
290.00		105850.00						329.00		120085.00					
9.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:5							Total Proposed No.:0								
			DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*			0	0	5	0	0	0	0	0	0	0	0	0	
Dewatering Structure*			0	0	0	0	0	2	0	0	0	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
10.	Ground Water Abstraction/Restoration Charges paid (Rs.):								564837.50						
11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.						No. of Piezometers		Monitoring Mechanism						
								Manual	DWLR**	DWLR With Telemetry					
**DWLR - Digital Water Level Recorder						2		0	1	1					

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये  
SAVE WATER - SAVE LIFE

**Validity of this NOC shall be subject to compliance of the following conditions:**

**Mandatory conditions:**

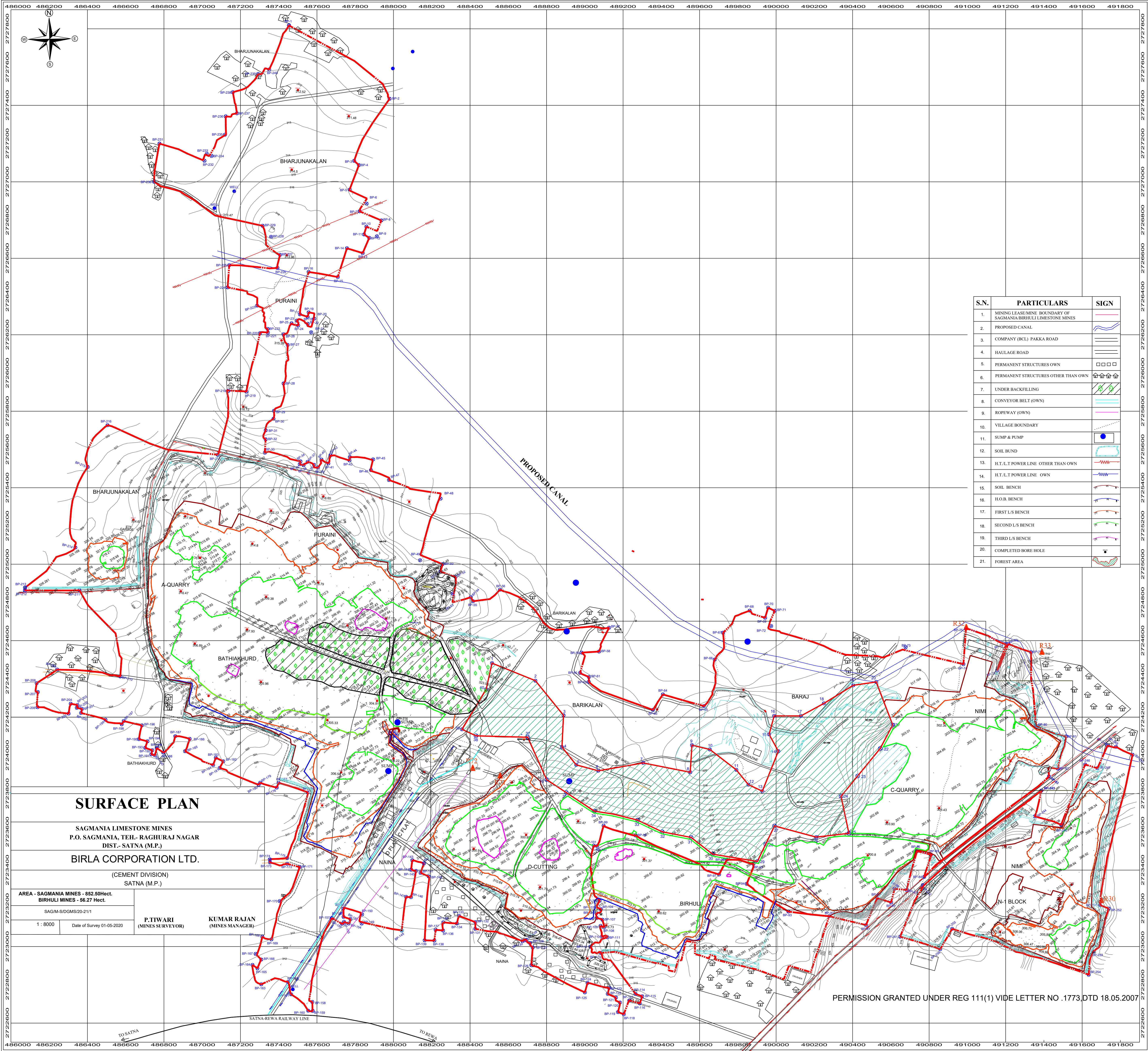
- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**





S.N.	PARTICULARS	SIGN
1.	MINE LEASEHOLD BOUNDARY OF SAGMANIA BIRHULI Limestone MINES	
2.	PROPOSED CANAL	
3.	COMPANY (BCL) PARKA ROAD	
4.	HAULAGE ROAD	
5.	PERMANENT STRUCTURES OWN	
6.	PERMANENT STRUCTURES OTHER THAN OWN	
7.	UNDER BACKFILLING	
8.	CONVEYOR BELT (OWN)	
9.	ROPEWAY (OWN)	
10.	VILLAGE BOUNDARY	
11.	SUMP & PUMP	
12.	SOIL BUND	
13.	H.T./L.T POWER LINE - OTHER THAN OWN	
14.	H.T./L.T POWER LINE - OWN	
15.	SOIL BENCH	
16.	H.O.B. BENCH	
17.	FIRST L.S BENCH	
18.	SECOND L.S BENCH	
19.	THIRD L.S BENCH	
20.	COMPLETED BORE HOLE	
21.	FOREST AREA	

**SURFACE PLAN**

SAGMANIA LIMESTONE MINES  
P.O. SAGMANIA, TEH.-RAGHURAJ NAGAR  
DIST.- SATNA (M.P.)

BIRLA CORPORATION LTD.

(CEMENT DIVISION)

SATNA (M.P.)

AREA - SAGMANIA MINES - 852.50 Hect.

BIRHULI MINES - 56.27 Hect.

SAGM/SIDGMS/20-21/1

1 : 8000

Date of Survey 01.05.2020

P. TIWARI

(MINES SURVEYOR)

KUMAR RAJAN

(MINES MANAGER)

PERMISSION GRANTED UNDER REG 111(1) VIDE LETTER NO .1773.DTD 18.05.2007



## Water Reservoir





## Siltation Pond





## Photograph of Garland Drain





सामान्य सुविधा केन्द्र सोनौरा अंतर्गत संचालित नर्सरी से वर्ष 2020-21 के दौरान स्वयं सहायता समूह सोनौरा द्वारा तैयार किये गये पौधों को बिरला कर्पोरेशन लिमिटेड सतना को प्रदाय का विवरण

क्र	पत्र विवरण	पौधा प्रजाति	पोली. बैग साईज	पौधे की औसत ऊँचाई	मात्रा	दर प्रति पौधा	राशि
1	07.07.2020	काला सिरस	15x25 cm	2 से 3 फिट	100	17.00	1700.00
		जामुन	20x30 cm	3 से 5 फिट	300	50.00	15000.00
		आंवला	15x25 cm	2 से 3 फिट	100	30.00	3000.00
		सफेद खैर	15x25 cm	3 से 5 फिट	100	17.00	1700.00
		योग			600		21400.00
2	09.07.2020	करंज	15x25 cm	3 से 4 फिट	500	17.00	8500.00
		सीताफल	20x30 cm	3 से 4 फिट	50	50.00	2500.00
		सफेद खैर	15x25 cm	3 से 5 फिट	400	17.00	6800.00
		आम	20x30 cm	2 से 3 फिट	50	50.00	2500.00
		योग			1000		20300.00
3	18.07.2020	सागौन	15x25 cm	3 फिट	1000	17.00	17000.00
		योग			1000		17000.00
4	22.07.2020	करंज	15x25 cm	3 से 4 फिट	300	17.00	5100.00
		पेल्टाफार्म	15x25 cm	2 से 3 फिट	200	17.00	3400.00
		काला सिरस	15x25 cm	2 से 3 फिट	200	17.00	3400.00
		काला सिरस	20x30 cm	3 से 4 फिट	100	50.00	5000.00
		पेल्टाफार्म	20x30 cm	4 से 6 फिट	50	50.00	2500.00
		पापुलर	20x30 cm	5 से 7 फिट	150	50.00	7500.00
		योग			1000		26900.00
5	28.07.2020	अर्जुन	15x25 cm	2 से 3 फिट	500	30.00	15000.00
		कपोक	15x25 cm	3 से 4 फिट	100	17.00	1700.00
		जामुन	20x30 cm	3 से 5 फिट	200	50.00	10000.00
		सफेद सिरस	15x25 cm	2 से 3 फिट	50	17.00	850.00
		अंगरूद	15x25 cm	3 से 5 फिट	50	30.00	1500.00
		सागौन	15x25 cm	3 फिट	100	17.00	1700.00
		योग			1000		30750.00
6	30.07.2020	पेल्टाफार्म	15x25 cm	3 से 4 फिट	500	17.00	8500.00
		काला सिरस	15x25 cm	2 से 3 फिट	200	17.00	3400.00
		गुलमोहर	15x25 cm	2 से 3 फिट	200	17.00	3400.00
		कपोक	15x25 cm	3 से 4 फिट	100	17.00	1700.00
		योग			1000		17000.00
		कुलयोग			5600		133350.00



## 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

Paryaveeran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)  
Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmapcb@nic.in, Web : www.erc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

##### Average Report

Industry Name :  
R.O. : Satna  
15 min

#### Birla Corporation Limited, Unit- Sagmania Limestone Mines

Description	Period : Apr,2021				
	Quarry_Station_1- CO(mg/m3)	Quarry_Station_1- NOx(ug/m3)	Quarry_Station_1- PM2.5(ug/m3)	Quarry_Station_1- PM10(ug/m3)	Quarry_Station_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.84	26.83	52.90	85.96	37.25
Minimum Data	0.10	13.33	10.48	16.63	14.19
Data Availability %	74.68%	75.12%	69.36%	78.47%	79.45%



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

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#### Real Time Data Acquisition And Monitoring

##### Average Report

Industry Name :  
R.O. : Satna  
15 min

#### Birla Corporation Limited, Unit- Sagmania Limestone Mines

Description	Period : May,2021				
	Quarry_Station_1- CO(mg/m3)	Quarry_Station_1- NOx(ug/m3)	Quarry_Station_1- PM2.5(ug/m3)	Quarry_Station_1- PM10(ug/m3)	Quarry_Station_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.74	29.31	33.68	85.62	26.35
Minimum Data	0.32	9.19	13.91	17.88	8.63
Data Availability %	75.20%	80.62%	83.10%	89.16%	82.28%



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryaveeran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)  
Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmapcb@nic.in, Web : www.erc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

##### Average Report

Industry Name :  
R.O. : Satna  
15 min

#### Birla Corporation Limited, Unit- Sagmania Limestone Mines

Description	Period : June,2021				
	Quarry_Station_1- CO(mg/m3)	Quarry_Station_1- NOx(ug/m3)	Quarry_Station_1- PM2.5(ug/m3)	Quarry_Station_1- PM10(ug/m3)	Quarry_Station_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.76	34.25	47.67	61.80	21.58
Minimum Data	0.23	13.66	10.13	20.37	9.7
Data Availability %	79.56%	72.55%	84.12%	84.40%	74.82%



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryaveeran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)  
Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmapcb@nic.in, Web : www.erc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

##### Average Report

Industry Name :  
R.O. : Satna  
15 min

#### Birla Corporation Limited, Unit- Sagmania Limestone Mines

Description	Period : July,2021				
	Quarry_Station_1- CO(mg/m3)	Quarry_Station_1- NOx(ug/m3)	Quarry_Station_1- PM2.5(ug/m3)	Quarry_Station_1- PM10(ug/m3)	Quarry_Station_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.87	22.51	36.37	51.26	24.27
Minimum Data	0.18	10.76	3.89	21.08	18.43
Data Availability %	96.88%	96.88%	96.67%	96.67%	96.63%



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryaveeran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)  
Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmapcb@nic.in, Web : www.erc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

##### Average Report

Industry Name :  
R.O. : Satna  
15 min

#### Birla Corporation Limited, Unit- Sagmania Limestone Mines

Description	Period : Aug,2021				
	Quarry_Station_1- CO(mg/m3)	Quarry_Station_1- NOx(ug/m3)	Quarry_Station_1- PM2.5(ug/m3)	Quarry_Station_1- PM10(ug/m3)	Quarry_Station_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.91	20.69	35.76	43.99	15.15
Minimum Data	0.18	8.82	5.59	24.69	4.14
Data Availability %	96.67%	96.67%	98.23%	98.23%	98.67%



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryaveeran Parisar, E-5, Arera Colony, Bhopal - 462016 (M.P.)  
Ph : 0755-2469180, Fax : 0755-2463742, E-mail : ercmapcb@nic.in, Web : www.erc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

##### Average Report

Industry Name :  
R.O. : Satna  
15 min

#### Birla Corporation Limited, Unit- Sagmania Limestone Mines

Description	Period : Sept,2021				
	Quarry_Station_1- CO(mg/m3)	Quarry_Station_1- NOx(ug/m3)	Quarry_Station_1- PM2.5(ug/m3)	Quarry_Station_1- PM10(ug/m3)	Quarry_Station_1-SO2(ug/m3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.84	18.26	23.15	41.17	13.10
Minimum Data	0.20	5.12	21.87	29.01	11.88
Data Availability %	97.41%	97.41%	95.32%	96.79%	97.41%





## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryavaran Parkar, E-6, Area Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2489180, Fax : 0755-2483742, E-mail : eocmpcb@nic.in, Web : www.epc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

#### Average Report

Birla Corporation Limited, Unit- Sagmania Limestone Mines					
Period :					
Description	Quarry_Station_2-CO(mgm3)	Quarry_Station_2-NO <sub>2</sub> (ugm3)	Quarry_Station_2-PM <sub>2.5</sub> (ugm3)	Quarry_Station_2-PM <sub>10</sub> (ugm3)	Quarry_Station_2-SO <sub>2</sub> (ugm3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	0.98	38.87	34.82	65.98	11.74
Minimum Data	0.43	7.74	7.88	43.13	4.91
Data Availability %	70.43%	76.19%	82.99%	72.62%	72.87%

Industry Name :  
R.O. :  
Satna  
15 min



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryavaran Parkar, E-6, Area Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2489180, Fax : 0755-2483742, E-mail : eocmpcb@nic.in, Web : www.epc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

#### Average Report

Birla Corporation Limited, Unit- Sagmania Limestone Mines					
Period :					
Description	Quarry_Station_2-CO(mgm3)	Quarry_Station_2-NO <sub>2</sub> (ugm3)	Quarry_Station_2-PM <sub>2.5</sub> (ugm3)	Quarry_Station_2-PM <sub>10</sub> (ugm3)	Quarry_Station_2-SO <sub>2</sub> (ugm3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.09	41.81	36.90	81.89	20.64
Minimum Data	0.66	5.61	14.24	29.25	6.34
Data Availability %	73.33%	75.33%	79.33%	83.68%	65.29%

Industry Name :  
R.O. :  
Satna  
15 min



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryavaran Parkar, E-6, Area Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2489180, Fax : 0755-2483742, E-mail : eocmpcb@nic.in, Web : www.epc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

#### Average Report

Birla Corporation Limited, Unit- Sagmania Limestone Mines					
Period :					
Description	Quarry_Station_2-CO(mgm3)	Quarry_Station_2-NO <sub>2</sub> (ugm3)	Quarry_Station_2-PM <sub>2.5</sub> (ugm3)	Quarry_Station_2-PM <sub>10</sub> (ugm3)	Quarry_Station_2-SO <sub>2</sub> (ugm3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.03	34.48	23.25	84.22	27.26
Minimum Data	0.60	11.16	8.03	38.91	11.95
Data Availability %	73.27%	75.95%	85.11%	86.79%	71.46%

Industry Name :  
R.O. :  
Satna  
15 min



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryavaran Parkar, E-6, Area Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2489180, Fax : 0755-2483742, E-mail : eocmpcb@nic.in, Web : www.epc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

#### Average Report

Birla Corporation Limited, Unit- Sagmania Limestone Mines					
Period :					
Description	Quarry_Station_2-CO(mgm3)	Quarry_Station_2-NO <sub>2</sub> (ugm3)	Quarry_Station_2-PM <sub>2.5</sub> (ugm3)	Quarry_Station_2-PM <sub>10</sub> (ugm3)	Quarry_Station_2-SO <sub>2</sub> (ugm3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.01	20.00	19.84	54.01	22.52
Minimum Data	0.50	3.66	3.80	54.79	0.58
Data Availability %	93.33%	93.33%	96.67%	96.67%	96.67%

Industry Name :  
R.O. :  
Satna  
15 min



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryavaran Parkar, E-6, Area Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2489180, Fax : 0755-2483742, E-mail : eocmpcb@nic.in, Web : www.epc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

#### Average Report

Birla Corporation Limited, Unit- Sagmania Limestone Mines					
Period :					
Description	Quarry_Station_2-CO(mgm3)	Quarry_Station_2-NO <sub>2</sub> (ugm3)	Quarry_Station_2-PM <sub>2.5</sub> (ugm3)	Quarry_Station_2-PM <sub>10</sub> (ugm3)	Quarry_Station_2-SO <sub>2</sub> (ugm3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.01	8.38	17.91	59.97	9.04
Minimum Data	0.88	6.01	4.56	44.47	0.53
Data Availability %	95.23%	95.23%	95.23%	95.23%	95.23%

Industry Name :  
R.O. :  
Satna  
15 min



## Madhya Pradesh Pollution Control Board

### Environmental Surveillance Center

Paryavaran Parkar, E-6, Area Colony, Bhopal - 462016 (M.P.)

Ph : 0755-2489180, Fax : 0755-2483742, E-mail : eocmpcb@nic.in, Web : www.epc.mp.gov.in

#### Real Time Data Acquisition And Monitoring

#### Average Report

Birla Corporation Limited, Unit- Sagmania Limestone Mines					
Period :					
Description	Quarry_Station_2-CO(mgm3)	Quarry_Station_2-NO <sub>2</sub> (ugm3)	Quarry_Station_2-PM <sub>2.5</sub> (ugm3)	Quarry_Station_2-PM <sub>10</sub> (ugm3)	Quarry_Station_2-SO <sub>2</sub> (ugm3)
Prescribed Standards	0 - 4	0 - 80	0 - 60	0 - 100	0 - 80
Maximum Data	1.01	8.35	8.34	40.79	8.94
Minimum Data	0.86	6.22	3.30	45.65	8.71
Data Availability %	95.40%	95.40%	95.40%	95.40%	95.40%

Industry Name :  
R.O. :  
Satna  
15 min



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

To,  
The Regional Director,  
Central Ground Water Board,  
North Central Region  
Block-1, 4th Floor,  
Parayawas Bhawan,  
Arera Hills, Jail Road,  
BHOPAL (M.P.)  
PIN- 462011

Date: 21.10.2020

Sub: Seeking guidance/suggestion for developing Suitable rainwater harvesting measures on long term basis at our Sagmania Limestone Mines, Satna, M.P of M/s Birla corporation Ltd., Unit Satna Cement works.

Dear Sir,

Sagmania Limestone is a captive mines of M/s. Birla Corporation Ltd. Unit-Satna Cement Works. Sagmania Limestone Mine started in 1959. The total lease hold area is 852.50 Ha, in village Barikalan, Baraj, Puraini, Bathiakhurd, Bharjunakalan, Nimi & Naina of Raghurajnagar Tehsil, dist. Satna, Madhya Pradesh. This mine is fully mechanized mine & worked in two benches. The average height of 1<sup>st</sup> bench is about 9m & height of second bench is about 6m. The average mining depth is about 15 mtr. Till date the total opened up area is about 350 Ha. Total 5 pits have been created since inception. The mined out pits are reclaimed either by backfilling supported by plantation or by converting into Rain Water Harvesting pits. Photograph of rain water harvesting in mined out pits is attached as Annexure-1.

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:

- A) 15 Nos of Ground water recharge structures are constructed in Staff colony, SCW plant, R K Missionary School etc.
- B) 17 nos. are planned and work shall start shortly
- C) Under CSR Activities, Construction of check dams and pond deepening at 7 locations have completed with an expenditure of Rs. 38,06,500/- till date.

In this regard we would like to seek your suggestion and guidance for Suitable rainwater harvesting measures on long term basis.

Thanking you,  
Yours faithfully,

Authorised Signatory  
For, Birla Corporation Ltd.  
Unit-Satna Cement Ltd.



**ANNEXURE - 11**

Drishti-2018 : Encardio-rite Electronics Pvt. Ltd.

SiteName : Birla Corporation Ltd Satna M.P

Date : From 2021-04-01 02:00:30 To 2021-09-30 19:00:30

Date &time	Ground Water Level (m)	Water Temperature (degC)	Barometric Pressure (hPa)	Date &time	Ground Water Level (m)	Water Temperature (degC)	Barometric Pressure (hPa)
2021-04-01 06:00:00	-27.96	27.4	963.4	2021-07-01 18:00:00	-33.95	27.4	959.2
2021-04-01 18:00:00	-27.98	27.4	963.8	2021-07-02 06:00:00	-33.87	27.4	960.8
2021-04-02 06:00:00	-28.01	27.4	966.2	2021-07-02 18:00:00	-33.79	27.4	960.3
2021-04-02 18:00:00	-28.04	27.4	965.9	2021-07-03 06:00:00	-33.71	27.4	962.4
2021-04-03 06:00:00	-28.07	27.4	968	2021-07-03 18:00:00	-33.62	27.4	962.4
2021-04-03 18:00:00	-28.10	27.4	968	2021-07-04 06:00:00	-33.54	27.4	964.4
2021-04-04 06:00:00	-28.12	27.4	970.2	2021-07-04 18:00:00	-33.46	27.4	963.8
2021-04-04 18:00:00	-28.15	27.4	968.8	2021-07-05 06:00:00	-33.38	27.4	964.5
2021-04-05 06:00:00	-28.18	27.4	970.4	2021-07-05 18:00:00	-33.30	27.4	962.7
2021-04-05 18:00:00	-28.21	27.4	968.2	2021-07-06 06:00:00	-33.22	27.4	963.5
2021-04-06 06:00:00	-28.24	27.4	968.6	2021-07-06 18:00:00	-33.14	27.4	961.7
2021-04-06 18:00:00	-28.27	27.4	966.4	2021-07-07 06:00:00	-33.06	27.4	962.7
2021-04-07 06:00:00	-28.29	27.4	967.9	2021-07-07 18:00:00	-32.97	27.4	961.2
2021-04-07 18:00:00	-28.32	27.4	967.4	2021-07-08 06:00:00	-32.89	27.4	962
2021-04-08 06:00:00	-28.35	27.4	967.4	2021-07-08 18:00:00	-32.81	27.4	962.8
2021-04-08 18:00:00	-28.38	27.4	966.2	2021-07-09 06:00:00	-32.73	27.4	963.2
2021-04-09 06:00:00	-28.41	27.4	968.3	2021-07-09 18:00:00	-32.65	27.4	961.3
2021-04-09 18:00:00	-28.44	27.4	968.1	2021-07-10 06:00:00	-32.57	27.4	961.9
2021-04-10 06:00:00	-28.46	27.4	970.8	2021-07-10 18:00:00	-32.49	27.4	960.3
2021-04-10 18:00:00	-28.49	27.4	969.7	2021-07-11 06:00:00	-32.41	27.4	962.4
2021-04-11 06:00:00	-28.52	27.4	972.1	2021-07-11 18:00:00	-32.33	27.4	962.4
2021-04-11 18:00:00	-28.55	27.4	971.2	2021-07-12 06:00:00	-32.24	27.4	964.6
2021-04-12 06:00:00	-28.58	27.4	972.8	2021-07-12 18:00:00	-32.16	27.4	963.6
2021-04-12 18:00:00	-28.60	27.4	971.2	2021-07-13 06:00:00	-32.08	27.4	964.3
2021-04-13 06:00:00	-28.63	27.4	971.7	2021-07-13 18:00:00	-32.00	27.4	962.7
2021-04-13 18:00:00	-28.66	27.4	969.4	2021-07-14 06:00:00	-31.92	27.4	963.3
2021-04-14 06:00:00	-28.69	27.4	969.9	2021-07-14 18:00:00	-31.84	27.4	961.8
2021-04-14 18:00:00	-28.72	27.4	968	2021-07-15 06:00:00	-31.76	27.4	963.8
2021-04-15 06:00:00	-28.75	27.4	969.6	2021-07-15 18:00:00	-31.68	27.4	963.5
2021-04-15 18:00:00	-28.77	27.4	967.8	2021-07-16 06:00:00	-31.59	27.4	966.2
2021-04-16 06:00:00	-28.80	27.4	968.6	2021-07-16 18:00:00	-31.51	27.4	965.1
2021-04-16 18:00:00	-28.83	27.4	966.6	2021-07-17 06:00:00	-31.43	27.4	966.2
2021-04-17 06:00:00	-28.86	27.4	968.1	2021-07-17 18:00:00	-31.35	27.4	963.7
2021-04-17 18:00:00	-28.89	27.4	968.8	2021-07-18 06:00:00	-31.27	27.4	963
2021-04-18 06:00:00	-28.92	27.4	971.9	2021-07-18 18:00:00	-31.19	27.4	964
2021-04-18 18:00:00	-28.94	27.4	969.8	2021-07-19 06:00:00	-31.11	27.4	962.2
2021-04-19 06:00:00	-28.97	27.4	969.7	2021-07-19 18:00:00	-31.03	27.4	960.1
2021-04-19 18:00:00	-29.00	27.4	966.9	2021-07-20 06:00:00	-30.94	27.4	960.9
2021-04-20 06:00:00	-29.03	27.4	967	2021-07-20 18:00:00	-30.86	27.4	961.8
2021-04-20 18:00:00	-29.06	27.4	964.8	2021-07-21 06:00:00	-30.78	27.4	961.1

2021-04-21 06:00:00	-29.08	27.4	966.8	2021-07-21 18:00:00	-30.70	27.4	959
2021-04-21 18:00:00	-29.11	27.4	968.4	2021-07-22 06:00:00	-30.62	27.4	959.3
2021-04-22 06:00:00	-29.14	27.4	971.4	2021-07-22 18:00:00	-30.54	27.4	956.2
2021-04-22 18:00:00	-29.17	27.4	970	2021-07-23 06:00:00	-30.46	27.4	958.5
2021-04-23 06:00:00	-29.20	27.4	971.4	2021-07-23 18:00:00	-30.38	27.4	956.8
2021-04-23 18:00:00	-29.23	27.4	968	2021-07-24 06:00:00	-30.30	27.4	958.7
2021-04-24 06:00:00	-29.25	27.4	967.4	2021-07-24 18:00:00	-30.21	27.4	957.9
2021-04-24 18:00:00	-29.28	27.4	967.7	2021-07-25 06:00:00	-30.13	27.4	957.9
2021-04-25 06:00:00	-29.31	27.4	970.4	2021-07-25 18:00:00	-30.05	27.4	958.5
2021-04-25 18:00:00	-29.34	27.4	969	2021-07-26 06:00:00	-29.97	27.4	960.2
2021-04-26 06:00:00	-29.37	27.4	968.8	2021-07-26 18:00:00	-29.89	27.4	959.2
2021-04-26 18:00:00	-29.39	27.4	967.9	2021-07-27 06:00:00	-29.81	27.4	958.2
2021-04-27 06:00:00	-29.42	27.4	968.6	2021-07-27 18:00:00	-29.73	27.4	957.2
2021-04-27 18:00:00	-29.45	27.4	967.7	2021-07-28 06:00:00	-29.65	27.4	960.2
2021-04-28 06:00:00	-29.48	27.4	969.1	2021-07-28 18:00:00	-29.56	27.4	959.6
2021-04-28 18:00:00	-29.51	27.4	967.5	2021-07-29 06:00:00	-29.48	27.4	960.1
2021-04-29 06:00:00	-29.54	27.4	968.5	2021-07-29 18:00:00	-29.40	27.4	959.9
2021-04-29 18:00:00	-29.56	27.4	967.6	2021-07-30 06:00:00	-29.32	27.4	960.7
2021-04-30 06:00:00	-29.59	27.4	968.7	2021-07-30 18:00:00	-29.24	27.4	960
2021-04-30 18:00:00	-29.62	27.4	965.8	2021-07-31 06:00:00	-29.16	27.4	960.5
2021-05-01 06:00:00	-29.67	27.4	967.6	2021-07-31 18:00:00	-29.08	27.4	958
2021-05-01 18:00:00	-29.71	27.4	966.2	2021-08-01 06:00:00	-29.03	27.4	957.3
2021-05-02 06:00:00	-29.76	27.4	969.2	2021-08-01 18:00:00	-28.98	27.4	956
2021-05-02 18:00:00	-29.81	27.4	968.4	2021-08-02 06:00:00	-28.93	27.4	958.6
2021-05-03 06:00:00	-29.85	27.4	967.9	2021-08-02 18:00:00	-28.88	27.4	960.2
2021-05-03 18:00:00	-29.90	27.4	966.8	2021-08-03 06:00:00	-28.83	27.4	962.8
2021-05-04 06:00:00	-29.95	27.4	967.8	2021-08-03 18:00:00	-28.79	27.4	962.9
2021-05-04 18:00:00	-29.99	27.4	965	2021-08-04 06:00:00	-28.74	27.4	964.5
2021-05-05 06:00:00	-30.04	27.4	966.4	2021-08-04 18:00:00	-28.69	27.4	963.1
2021-05-05 18:00:00	-30.09	27.4	965	2021-08-05 06:00:00	-28.64	27.4	962.3
2021-05-06 06:00:00	-30.13	27.4	967	2021-08-05 18:00:00	-28.59	27.4	960.5
2021-05-06 18:00:00	-30.18	27.4	967.1	2021-08-06 06:00:00	-28.54	27.4	961.8
2021-05-07 06:00:00	-30.22	27.4	967.9	2021-08-06 18:00:00	-28.50	27.4	961.3
2021-05-07 18:00:00	-30.27	27.4	968	2021-08-07 06:00:00	-28.45	27.4	962.7
2021-05-08 06:00:00	-30.32	27.4	970	2021-08-07 18:00:00	-28.40	27.4	963.3
2021-05-08 18:00:00	-30.36	27.4	966.5	2021-08-08 06:00:00	-28.35	27.4	965
2021-05-09 06:00:00	-30.41	27.4	967.9	2021-08-08 18:00:00	-28.30	27.4	964.8
2021-05-09 18:00:00	-30.46	27.4	965.1	2021-08-09 06:00:00	-28.25	27.4	965.9
2021-05-10 06:00:00	-30.50	27.4	966.4	2021-08-09 18:00:00	-28.20	27.4	964.2
2021-05-10 18:00:00	-30.55	27.4	964.1	2021-08-10 06:00:00	-28.16	27.4	964.6
2021-05-11 06:00:00	-30.60	27.4	968.6	2021-08-10 18:00:00	-28.11	27.4	964
2021-05-11 18:00:00	-30.64	27.4	963.6	2021-08-11 06:00:00	-28.06	27.4	964.2
2021-05-12 06:00:00	-30.69	27.4	965.7	2021-08-11 18:00:00	-28.01	27.4	965.2
2021-05-12 18:00:00	-30.74	27.4	961.6	2021-08-12 06:00:00	-27.96	27.4	966.4
2021-05-13 06:00:00	-30.78	27.4	964.1	2021-08-12 18:00:00	-27.91	27.4	966.3
2021-05-13 18:00:00	-30.83	27.4	963.8	2021-08-13 06:00:00	-27.86	27.4	965.8
2021-05-14 06:00:00	-30.88	27.4	964.6	2021-08-13 18:00:00	-27.82	27.4	964.2
2021-05-14 18:00:00	-30.92	27.4	963.1	2021-08-14 06:00:00	-27.77	27.4	963.7



2021-05-15 06:00:00	-30.97	27.4	965.2	2021-08-14 18:00:00	-27.72	27.4	962.4
2021-05-15 18:00:00	-31.02	27.4	964.8	2021-08-15 06:00:00	-27.67	27.4	964
2021-05-16 06:00:00	-31.06	27.4	966.9	2021-08-15 18:00:00	-27.62	27.4	963.8
2021-05-16 18:00:00	-31.11	27.4	964.7	2021-08-16 06:00:00	-27.57	27.4	966.6
2021-05-17 06:00:00	-31.15	27.4	967.6	2021-08-16 18:00:00	-27.53	27.4	965.8
2021-05-17 18:00:00	-31.20	27.4	965.8	2021-08-17 06:00:00	-27.48	27.4	967
2021-05-18 06:00:00	-31.25	27.4	967.6	2021-08-17 18:00:00	-27.43	27.4	965.4
2021-05-18 18:00:00	-31.29	27.4	966.3	2021-08-18 06:00:00	-27.38	27.4	964.7
2021-05-19 06:00:00	-31.34	27.4	966.6	2021-08-18 18:00:00	-27.33	27.4	962.9
2021-05-19 18:00:00	-31.39	27.4	962.9	2021-08-19 06:00:00	-27.28	27.4	963.1
2021-05-20 06:00:00	-31.43	27.4	963.2	2021-08-19 18:00:00	-27.23	27.4	962.2
2021-05-20 18:00:00	-31.48	27.4	963.2	2021-08-20 06:00:00	-27.19	27.4	963.4
2021-05-21 06:00:00	-31.53	27.4	966	2021-08-20 18:00:00	-27.15	27.4	963.6
2021-05-21 18:00:00	-31.57	27.4	965.6	2021-08-21 06:00:00	-27.11	27.4	967
2021-05-22 06:00:00	-31.62	27.4	965.7	2021-08-21 18:00:00	-27.06	27.4	966.5
2021-05-22 18:00:00	-31.67	27.4	964.2	2021-08-22 06:00:00	-27.01	27.4	969
2021-05-23 06:00:00	-31.71	27.4	964.9	2021-08-22 18:00:00	-26.96	27.4	966.2
2021-05-23 18:00:00	-31.76	27.4	964.8	2021-08-23 06:00:00	-26.91	27.4	966.8
2021-05-24 06:00:00	-31.81	27.4	966.7	2021-08-23 18:00:00	-26.86	27.4	965.5
2021-05-24 18:00:00	-31.85	27.4	964.1	2021-08-24 06:00:00	-26.81	27.4	965.9
2021-05-25 06:00:00	-31.90	27.4	964.3	2021-08-24 18:00:00	-26.77	27.4	964.7
2021-05-25 18:00:00	-31.94	27.4	960.6	2021-08-25 06:00:00	-26.72	27.4	964.9
2021-05-26 06:00:00	-31.99	27.4	960.9	2021-08-25 18:00:00	-26.67	27.4	963
2021-05-26 18:00:00	-32.04	27.4	959.6	2021-08-26 06:00:00	-26.62	27.4	962.7
2021-05-27 06:00:00	-32.08	27.4	960.4	2021-08-26 18:00:00	-26.57	27.4	962.7
2021-05-27 18:00:00	-32.13	27.4	961.2	2021-08-27 06:00:00	-26.52	27.4	963.9
2021-05-28 06:00:00	-32.18	27.4	962.4	2021-08-27 18:00:00	-26.48	27.4	964.7
2021-05-28 18:00:00	-32.22	27.4	963.7	2021-08-28 06:00:00	-26.43	27.4	964.5
2021-05-29 06:00:00	-32.27	27.4	965.6	2021-08-28 18:00:00	-26.36	27.4	962.9
2021-05-29 18:00:00	-32.32	27.4	965	2021-08-29 06:00:00	-26.31	27.4	963.4
2021-05-30 06:00:00	-32.36	27.4	965.6	2021-08-29 18:00:00	-26.27	27.4	962.8
2021-05-30 18:00:00	-32.41	27.4	963.6	2021-08-30 06:00:00	-26.22	27.4	965.2
2021-05-31 06:00:00	-32.46	27.4	964.3	2021-08-30 18:00:00	-26.17	27.4	964.2
2021-05-31 18:00:00	-32.50	27.4	961.2	2021-08-31 06:00:00	-26.12	27.4	967.3
2021-06-01 06:00:00	-32.53	27.4	963.3	2021-08-31 18:00:00	-26.07	27.4	966.5
2021-06-01 18:00:00	-32.56	27.4	962.6	2021-09-01 06:00:00	-25.97	27.4	969.1
2021-06-02 06:00:00	-32.58	27.4	965.4	2021-09-01 18:00:00	-25.87	27.4	966.2
2021-06-02 18:00:00	-32.61	27.4	964	2021-09-02 06:00:00	-25.77	27.4	967.8
2021-06-03 06:00:00	-32.64	27.4	966.5	2021-09-02 18:00:00	-25.67	27.4	965.6
2021-06-03 18:00:00	-32.66	27.4	965.6	2021-09-03 06:00:00	-25.57	27.4	966.8
2021-06-04 06:00:00	-32.69	27.4	967.5	2021-09-03 18:00:00	-25.46	27.4	963.9
2021-06-04 18:00:00	-32.72	27.4	964.9	2021-09-04 06:00:00	-25.36	27.4	967
2021-06-05 06:00:00	-32.74	27.4	966.2	2021-09-04 18:00:00	-25.26	27.4	964
2021-06-05 18:00:00	-32.77	27.4	965.7	2021-09-05 06:00:00	-25.16	27.4	966
2021-06-06 06:00:00	-32.80	27.4	966.2	2021-09-05 18:00:00	-25.06	27.4	963.6
2021-06-06 18:00:00	-32.82	27.4	964.3	2021-09-06 06:00:00	-24.96	27.4	966.1
2021-06-07 06:00:00	-32.85	27.4	964.6	2021-09-06 18:00:00	-24.86	27.4	964.4
2021-06-07 18:00:00	-32.88	27.4	962	2021-09-07 06:00:00	-24.76	27.4	965.7

2021-06-08 06:00:00	-32.90	27.4	961.8	2021-09-07 18:00:00	-24.65	27.4	963.8
2021-06-08 18:00:00	-32.93	27.4	960.2	2021-09-08 06:00:00	-24.55	27.4	965.3
2021-06-09 06:00:00	-32.96	27.4	961.2	2021-09-08 18:00:00	-24.45	27.4	964.1
2021-06-09 18:00:00	-32.99	27.4	959.8	2021-09-09 06:00:00	-24.35	27.4	965.8
2021-06-10 06:00:00	-33.01	27.4	960.8	2021-09-09 18:00:00	-24.25	27.4	963.6
2021-06-10 18:00:00	-33.04	27.4	959.1	2021-09-10 06:00:00	-24.15	27.4	966.1
2021-06-11 06:00:00	-33.07	27.4	959.8	2021-09-10 18:00:00	-24.05	27.4	964
2021-06-11 18:00:00	-33.09	27.4	958.8	2021-09-11 06:00:00	-23.95	27.4	965.6
2021-06-12 06:00:00	-33.12	27.4	960.1	2021-09-11 18:00:00	-23.84	27.4	963.2
2021-06-12 18:00:00	-33.15	27.4	960.2	2021-09-12 06:00:00	-23.74	27.4	964.3
2021-06-13 06:00:00	-33.17	27.4	961	2021-09-12 18:00:00	-23.64	27.4	961
2021-06-13 18:00:00	-33.20	27.4	958.6	2021-09-13 06:00:00	-23.54	27.4	962.2
2021-06-14 06:00:00	-33.23	27.4	958.5	2021-09-13 18:00:00	-23.44	27.4	960.1
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2021-06-15 06:00:00	-33.28	27.4	956.2	2021-09-14 18:00:00	-23.24	27.4	959.9
2021-06-15 18:00:00	-33.31	27.4	955.2	2021-09-15 06:00:00	-23.24	27.4	961.2
2021-06-16 06:00:00	-33.33	27.4	958.9	2021-09-15 18:00:00	-23.14	27.4	959.7
2021-06-16 18:00:00	-33.36	27.4	958.3	2021-09-16 06:00:00	-23.04	27.4	960.3
2021-06-17 06:00:00	-33.39	27.4	960	2021-09-16 18:00:00	-22.94	27.4	961
2021-06-17 18:00:00	-33.41	27.4	960	2021-09-17 06:00:00	-22.83	27.4	962
2021-06-18 06:00:00	-33.44	27.4	960.7	2021-09-17 18:00:00	-22.73	27.4	963.4
2021-06-18 18:00:00	-33.47	27.4	960.2	2021-09-18 06:00:00	-22.63	27.4	965.7
2021-06-19 06:00:00	-33.49	27.4	960.5	2021-09-18 18:00:00	-22.53	27.4	966.5
2021-06-19 18:00:00	-33.52	27.4	960.6	2021-09-19 06:00:00	-22.43	27.4	969.7
2021-06-20 06:00:00	-33.55	27.4	961.5	2021-09-19 18:00:00	-22.33	27.4	968.2
2021-06-20 18:00:00	-33.58	27.4	961.8	2021-09-20 06:00:00	-22.23	27.4	970
2021-06-21 06:00:00	-33.60	27.4	963.4	2021-09-20 18:00:00	-22.13	27.4	966.6
2021-06-21 18:00:00	-33.63	27.4	963.1	2021-09-21 06:00:00	-22.02	27.4	967.8
2021-06-22 06:00:00	-33.66	27.4	962.2	2021-09-21 18:00:00	-21.92	27.4	965.1
2021-06-22 18:00:00	-33.68	27.4	961.7	2021-09-22 06:00:00	-21.89	27.4	966.4
2021-06-23 06:00:00	-33.71	27.4	963	2021-09-22 18:00:00	-21.86	27.4	964
2021-06-23 18:00:00	-33.74	27.4	963.1	2021-09-23 06:00:00	-21.82	27.4	966
2021-06-24 06:00:00	-33.76	27.4	963	2021-09-23 18:00:00	-21.79	27.4	965
2021-06-24 18:00:00	-33.79	27.4	962.2	2021-09-24 06:00:00	-21.76	27.4	967.5
2021-06-25 06:00:00	-33.82	27.4	962.8	2021-09-24 18:00:00	-21.72	27.4	966.1
2021-06-25 18:00:00	-33.84	27.4	961.4	2021-09-25 06:00:00	-21.69	27.4	968.2
2021-06-26 06:00:00	-33.87	27.4	962.5	2021-09-25 18:00:00	-21.66	27.4	965.6
2021-06-26 18:00:00	-33.90	27.4	962.6	2021-09-26 06:00:00	-21.62	27.4	967.1
2021-06-27 06:00:00	-33.92	27.4	965.9	2021-09-26 18:00:00	-21.59	27.4	964.8
2021-06-27 18:00:00	-33.95	27.4	965.1	2021-09-27 06:00:00	-21.56	27.4	966.6
2021-06-28 06:00:00	-33.98	27.4	966	2021-09-27 18:00:00	-21.52	27.4	964.5
2021-06-28 18:00:00	-34.00	27.4	963.8	2021-09-28 06:00:00	-21.49	27.4	966.9
2021-06-29 06:00:00	-34.03	27.4	964	2021-09-28 18:00:00	-21.46	27.4	965.9
2021-06-29 18:00:00	-34.06	27.4	961.5	2021-09-29 06:00:00	-21.42	27.4	969
2021-06-30 06:00:00	-34.08	27.4	961.1	2021-09-29 18:00:00	-21.39	27.4	967.8
2021-06-30 18:00:00	-34.11	27.4	960.2	2021-09-30 06:00:00	-21.36	27.4	970.4
2021-07-01 06:00:00	-34.03	27.4	960.8	2021-09-30 18:00:00	-21.32	27.4	969.3



## Micromate - Vibration Monitoring Instrument





Drilling machine equipped with dust extraction system





Date/Time Long at 13:17:57 May 14, 2021  
 Trigger Source Geo: 0.800 mm/s  
 Range Geo: 254.0 mm/s  
 Record Time 1.0 sec at 1024 sps  
 Job Number: 1

Serial Number BE16620 V 10.72-1.1 Minimate Blaster  
 Battery Level 6.2 Volts  
 Unit Calibration March 8, 2021 by UES New Delhi  
 File Name R620IZ9B.LX0

Post Event Notes  
 Blast No.- 2021-05-27., D Cutting II EM  
 Distance from blasting site to monitoring station-98m

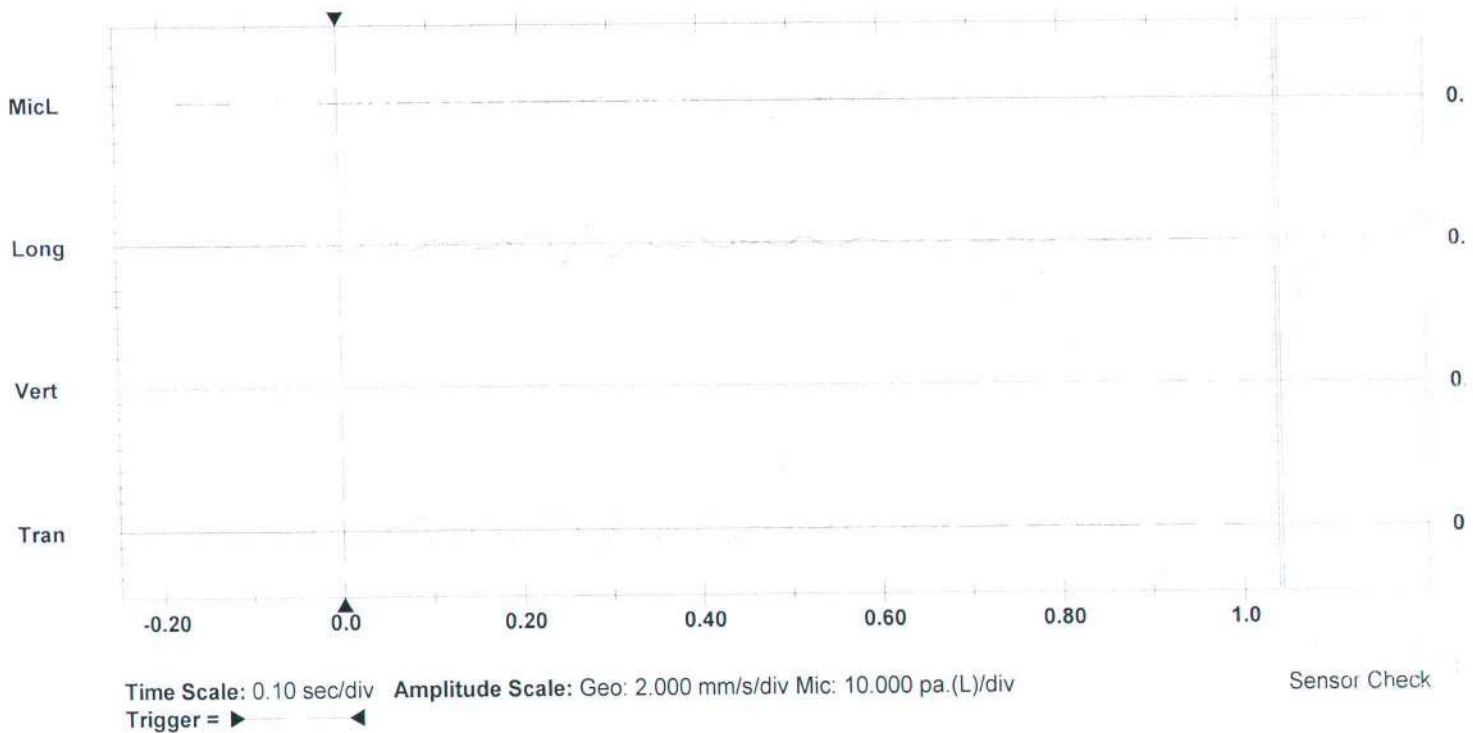
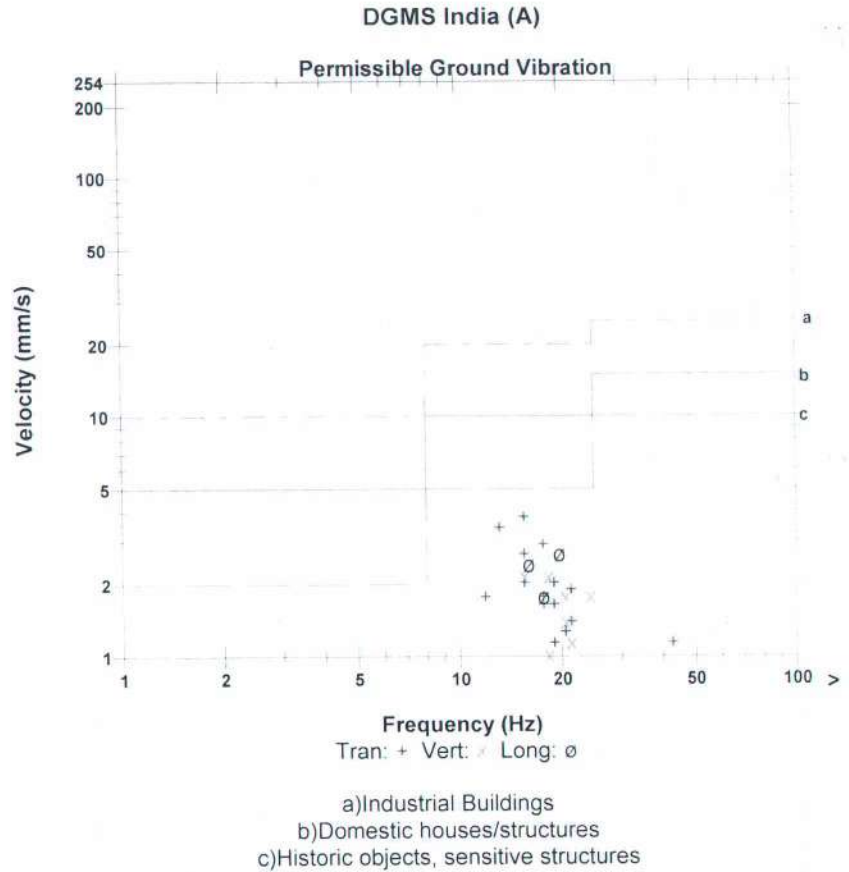
Notes  
 Location:  
 Client:  
 User Name:  
 General:

#### Extended Notes

Microphone Linear Weighting  
 PSPL 116.3 dB(L) 13.00 pa.(L) at 0.411 sec  
 ZC Freq 21 Hz  
 Channel Test Passed (Freq = 20.1 Hz Amp = 445 mv )

	Tran	Vert	Long	
PPV	3.810	2.159	2.667	mm/s
ZC Freq	16	16	20	Hz
Time (Rel. to Trig)	0.311	0.271	0.244	sec
Peak Acceleration	0.053	0.027	0.040	g
Peak Displacement	0.040	0.020	0.023	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.4	7.7	Hz
Overswing Ratio	3.8	3.5	3.5	

Peak Vector Sum 4.366 mm/s at 0.277 sec





## Consent Order

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

RED-LARGE

CCA-Renewal

CONSENT NO: \*\*\*

PCB ID: 19445

Outward No:102349,18/03/2021

Consent No:AW-53234

To,

The Occupier,

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

939.78 HECT., BIRLA VIKAS SATNA,SAGMANIA,City : Naina,

Dist : Satna, Tal : Raghurajnagar, SIDC : Not In SIDC, Latitude : 24.3823 Longitude : 80.5212

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

**Ref:** Your Renewal of Consent Application Receipt No. 1022388 Dt. 18/02/2021

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 **31/03/2022**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

**SUBJECT TO THE FOLLOWING CONDITIONS :-**

- a. Location: Village:- Sagmania, Tehsil- Raghurajnagar, Dist. Satna (M.P.)  
b. Mining Lease area: 939.78 ha  
c. Product & Production Capacity:

Activity / Product	Qty / year
MINING OF LIME STONE	4.90 Million Ton Per year

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

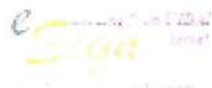
The Validity of the consent is up to **31/03/2022** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

**Enclosures:-**

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

CC to :-

1. District Mining Officer, (Mining Section), Collector office, Satna Dist. Satna (M.P.) for information.
2. M.P. State Mining Corporation, Arera Hills, Jail Road, Bhopal (M.P.) for necessary action please.
3. Regional officer, Regional office, MP PCB, Satna (M.P.)



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # BI37N7SPE6

Signature Not Verified  
Digitally Signed by : A. A.  
Mishra, Member Secretary  
Date: 18/03/2021 07:32:07 PM

  
ACHYUT ANAND MISHRA  
Member Secretary





## Consent Order

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

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

1. The daily quantity of sewage at out fall of the unit shall not exceed 5.00 KL/day
2. The applicant shall provide garland drain and settling tank for the control of surface run off generated in the lease area during rains.
3. Sewage Treatment :- The applicant shall provide septic tank and soak pit and maintain the same properly to achieve following standards-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD <sub>5</sub> Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

4. The sewage shall be treated up to prescribed Standards and reuse within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.
5. 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
6. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.
7. Compilation of Monitoring data-
  - i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
  - ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
  - iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.
8. Recording of Monitoring Activities & Results-
  - i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
  - ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
    - (i) The date, exact place and time of sampling
    - (ii) The dates on which analysis were performed
    - (iii) Who performed the analysis?
    - (iv) The analytical techniques or methods used and
    - (v) The result of all required analysis
  - iii. If the applicant monitors any Pollutant more frequently as is by this Consent he 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.
9. 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.

**Consent No:AW-53234**



## **Consent Order**

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

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

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

**11. Limitation of visible floating solids and foam:**

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

**12. Disposal of Collected Solid waste/sludge-**

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

**13. 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.

**14. Prohibition of By pass 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.

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

**Additional Water condition:- (if any) :-**

- 1) Mine shall provide toilets for laborers along with septic tank and soak pit.
- 2) Mine shall treat mine water to the extent that it should meet the quality of drinking water source quality standards. The treated mine water should be used for beneficiation purposes such as plantation, irrigation etc

**Consent No:AW-53234**

*This Certificate generated from xgn.mp.nic.in are valid and does not require physical signatures, the certificate can be validated online from xgn.mp.nic.in using "TPAV" Number.*





## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
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Tele : 0755-2466191, Fax-0755-2463742

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

1. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:
  - a. Particulate Matter (less than 10 micron) -  $100 \mu\text{g}/\text{m}^3$  ( $\text{PM}_{10} \mu\text{g}/\text{m}^3$  24 hrs. basis)
  - b. Particulate Matter (less than 2.5 micron) -  $60 \mu\text{g}/\text{m}^3$  ( $\text{PM}_{2.5} \mu\text{g}/\text{m}^3$  24 hrs. basis)
  - c. Sulphur Dioxide [ $\text{SO}_2$ ] (24 hrs. Basis) -  $80 \mu\text{g}/\text{m}^3$
  - d. Nitrogen Oxides [ $\text{NO}_x$ ] (24 hrs. Basis) -  $80 \mu\text{g}/\text{m}^3$
  - e. Carbon Monoxide [CO] (8 hrs. Basis) -  $2000 \mu\text{g}/\text{m}^3$
2. 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.
3. 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.
4. Approach roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements.
5. PP shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition.

### **Additional Air condition:-**

- 1) Mine management shall install CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and in the vicinity. The mine management shall provide suitable connectivity of CAAQMS with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.
- 2) Mine management shall construct and maintained pakka / cement concrete approach road from the mine site.
- 3) Fixed type of water sprinkle system shall be provided on haul road.
- 4) Dense plantation shall be carried out all around the quarry lease area.
- 5) Proper & regular maintenance of the vehicles shall be under taken to suppress the frictional noise.
- 6) Transportation shall be done through covered vehicle.
- 7) Transportation should not be done through forest area.

**Consent No:AW-53234**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
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### **GENERAL CONDITIONS:**

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

#### **Non Hazardous Solid wastes:-**

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

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

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

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

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

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

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

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

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

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

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

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

### **Additional condition:-**

- The Mine shall optimize the water abstraction from the surface water source by utilizing the mine discharge for spraying on haul roads, mine area and loading - unloading area after proper treatment.
- Extensive tree plantation shall be carried out in open areas available within and around the mine premises in consultation with expert agency. Good house keeping practice shall be adopted.
- Mine management shall demarcate a barrier zone as no mining zone in the periphery of mining lease area and developed a green belt.
- Overburden dumps shall be stored at the earmarked location along with proper stabilization arrangements and retaining wall. Maximum height of the OB dumps shall not exceed 20 meters and each stage shall be of 10 meter height with slope of shall not exceed 35°. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into nearby nallah/ river/ pond during the rainy season.

**Consent No:AW-53234**





## Consent Order

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

5. Mine Management shall construct Garland drain of with stone pitching all around, and with settling tank of appropriate size. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
6. Top soil shall be scraped & separately stacked with proper slope and adequate safeguards; it shall be utilized for carpeting over the backfilled area and rehabilitation of mined out area.
7. Mine management shall provide artificial recharger measures, rain water harvesting system.
8. Mine management shall provide fencing all around the lease area to prevent the accident hazard.
9. The Mine shall improve their existing pollution control facilities and maintain the same properly so that the emission could be maintained within the prescribed standards.
10. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
11. Mine management shall submit environmental statement for the previous year ending 31st March on or before 30<sup>th</sup> September every year to the Board.
12. Mine management shall ensure the compliance of conditions of Environmental clearance.
13. Mine shall comply the provisions of all the relevant Acts/Rules/Directions/Guidelines issued by MoEF/ CPCB/ MPPCB time to time as required and if applicable.
14. Mine shall comply the Directions/ Orders issued by Hon'ble Supreme Court/ High Court/ NGT time to time in the relevant Writ Petitions.
15. Mine management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source.
16. Mine management shall establish suitable connectivity of IP-Camera with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 and the Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

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



(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # BI37N7SPE6

*Achyut Mishra*  
**ACHYUT ANAND MISHRA**  
Member Secretary

**Consent No:AW-53234**

REPORT DATE :12/05/2021

DETAILED DIESEL REPORT

DEALER CODE : BIRLA/01

DEALER NAME : BIRLA CORPORATION LIMITED UNIT SATNA

ADDRESS : BIRLA CORPORATION LIMITED UNIT SATNA CEMENT

For Duration from : MM/DD/YYYY- 05/12/2021 to 11/11/2021 PUCC Checked From: 0601001 To:0601068

PTC No.	V. Reg. No.	Test Date Time	Valid UpTo	Make	Model	Category	Reg. Year	% HSU	Result
601024	DOZER NO-15	05/12/2021 04:13PM	11/11/2021	CAT	D8R	DOZER	19/12/2013	55.40%	PASS
601025	DOZER NO-14	05/12/2021 04:23PM	11/11/2021	CAT	D8R	DOZER	09/12/2011	57.70%	PASS
601029	DOZER NO-10	05/12/2021 05:06PM	11/11/2021	KOMATSU	D155A	DOZER	07/12/2006	62.70%	PASS
601032	LOADER	05/12/2021 05:28PM	11/11/2021	CAT	LWL988H	LOADER	00/10/2011	53.50%	PASS
601042	DRILL NO-12	05/12/2021 07:09PM	11/11/2021	ATLAS COPCO	ROC L8	DRILL	11/03/2012	34.80%	PASS
601043	DRILL NO-11	05/12/2021 07:19PM	11/11/2021	ATLAS COPCO	ATLAS COPCO IBH-12	DRILL	18/06/2008	47.80%	PASS
601044	DRILL NO-10	05/12/2021 07:29PM	11/11/2021	ATLAS COPCO	ATLAS COPCO IBH-12	DRILL	18/10/2005	47.80%	PASS
601047	ROCK BREAKER-3	05/12/2021 01:09PM	11/11/2021	L&T	90CK	ROCK BREAKER	00/12/2005	60.70%	PASS
601053	EXCAVATOR PC-1	21/03/2020 02:49PM	20/09/2020	KOMATSU	K-PC1250-7	EXCAVATOR	00/07/2009	45.60%	PASS
601055	VOLVO NO-1	21/03/2020 03:31PM	20/09/2020	VOLVO	EC750 DL	VOLVO	00/11/2016	47.60%	PASS
601058	CAT DUMPER NO-6	21/03/2020 03:52PM	20/09/2020	CATRPILLAR	CAT773E	CAT DUMPER	00/03/2011	43.60%	PASS
601059	CAT DUMPER NO-5	21/03/2020 04:05PM	20/09/2020	CATRPILLAR	CAT773E	CAT DUMPER	00/02/2011	40.60%	PASS
601060	CAT DUMPER NO-41	21/03/2020 04:15PM	20/09/2020	CATRPILLAR	CAT 773D	CAT DUMPER	00/00/0000	61.90%	PASS
601061	CAT DUMPER NO-2	21/03/2020 04:29PM	20/09/2020	CATRPILLAR	CAT773D	CAT DUMPER	00/12/2008	44.90%	PASS
601062	CAT DUMPER NO-3	21/03/2020 04:39PM	20/09/2020	CATRPILLAR	CAT773D	CAT DUMPER	00/01/2009	52.90%	PASS
601063	CAT DUMPER NO-7	21/03/2020 04:49PM	20/09/2020	CATRPILLAR	CAT773E	CAT DUMPER	00/01/2017	32.90%	PASS
601064	CAT DUMPER NO-1	21/03/2020 04:59PM	20/09/2020	CATRPILLAR	CAT773D	CAT DUMPER	00/12/2008	48.90%	PASS
601065	CAT DUMPER NO-9	21/03/2020 05:09PM	20/09/2020	CATRPILLAR	CAT773E	CAT DUMPER	00/02/2019	29.90%	PASS
601066	CAT DUMPER NO-8	21/03/2020 05:19PM	20/09/2020	CATRPILLAR	CAT773E	CAT DUMPER	00/01/2018	28.70%	PASS
601067	CAT DUMPER NO-4	21/03/2020 05:33PM	20/09/2020	CATRPILLAR	CAT773E	CAT DUMPER	00/02/2011	48.70%	PASS
601068	RT-760	21/03/2020 05:46PM	20/09/2020	TIL	RT-760-55 TON	CRANE	21705/2008	58.90%	PASS



BCL/SCW/Mines/2020-21/17

Date: 10.07.2020

To,

Director,  
Ministry of Environment and Forest  
New Delhi

**Sub:- Submission of Digital Processing of Sagmania Mining Lease.**

Ref: Environment Clearance no. J-11015/271/2006-IA (M) for Sagmania Mining Lease .


Dear Sir,

With reference to above subject matter and condition laid down in the Environment Clearance, please find herewith the Digital Processing of Sagmania Mining lease for monitoring land use pattern based on satellite imagery.

Kindly acknowledge the receipt of the same.

Thanking You,  
Yours faithfully,

For, **Birla Corporation Limited**  
**(Unit: Satna Cement Works)**

  
AVP-Mines  
Sagmania Limestone Mines

Encl: 1. Digital Processing Map Sagmania Mining Lease

Cc: Regional Office, MoEF – E-5, Arera colony, Link Road Bhopal (M.P.)

MP BIRLA  
GROUP

Birla Corporation Limited  
Unit: Satna Cement Works  
20, Birla Vihar, Satna - 485003  
Madhya Pradesh  
P. 0755224 210001 P. 075522 257455  
E. bairagya.scw@birla-cem.com

Sagmania Limestone Mines  
Production data (2020-21)

2020-21	Sagmania Limestone Mines
	Production
APRIL	4850
MAY	207638
JUNE	272155
JULY	252459
AUGUST	268130
SEPTEMBER	228258
OCTOBER	271622
NOVEMBER	293016
DECEMBER	284107
JANUARY	196938
FEBRUARY	251528
MARCH	280845
	2811546





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

BCL/SCW/MINES/2021-22/

06.07.2021

District Forest Officer,  
Forest Division, Satna,  
Madhya Pradesh.

Sub: Guidance for plantation in and around our Sagmania Limestone Mine lease area.

Dear Sir,

With reference to above subject matter, we would like to inform you that we are doing plantation work in and around our mining lease area every year. The plantation is carried out over backfilled area, Mine boundary, along the haul roads etc. The saplings are procured from Forest nursery and other available vendor every year to do plantation and develop green belt in and around Mining lease area.

We have planted more than 2.5 lacs saplings in and around our Mine lease area. In order to sustain better survival and growth rate, we seek your expert advice to protect flora and fauna in core and buffer zone of Mine lease area.

We request your good office to please also suggest us the native species of saplings and suitable measures to be adopted, so that maximum survival rate can be achieved.

Thanking you,

Yours faithfully  
For- Birla Corporation Limited,  
(Satna Cement Works)

(Mines Manager)  
Sagmania Limestone Mines.



## Water Sprinkling System







HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Birla Corporation Limited</b> <b>Unit-Sagmania Limestone Mines</b> <b>(A Unit of MP Birla Group)</b> <b>PO : Birla Vikas, Satna -485005,</b> <b>M.P. India</b>		REPORT NO	UES/TR/20-21/03517
		LAB REF NO	UES/20-21/N/03164
		DATE OF REPORT	23/12/2020
		DATE OF SAMPLING	15/12/2020 to 16/12/2020
<b>SAMPLE DETAILS</b>			
MONITORING FOR	WORK ZONE NOISE LEVEL MONITORING		
CUSTOMER REF. NO. & DATE	4560448372, DATED :04.12.2020		
SAMPLING LOCATION	SAGMANIA LIMESTONE MINES NOISE LEVEL		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION		

TEST REPORT			
LOCATION		UNIT	RESULT dB(A)
NEAR 1200 TPH CRUSHER	INSIDE	dB(A)	89.0
	OUTSIDE	dB(A)	82.8
NEAR 800 TPH	INSIDE	dB(A)	84.6
	OUTSIDE	dB(A)	80.4
NEAR DUMPER GARAGE		dB(A)	76.3
NEAR MECHANICAL WORKSHOP	INSIDE	dB(A)	72.8
	OUTSIDE	dB(A)	77.1
NEAR MINES OFFICE	INSIDE	dB(A)	77.5
	OUTSIDE	dB(A)	79.7
NEAR ROM HOPPER (1200 TPH CRUSHER)		dB(A)	80.4
NEAR ROM HOPPER ( 800 TPH CRUSHER)		dB(A)	82.9
1200 TPH CRUSHER INSIDE CCR		dB(A)	82.9
800 TPH CRUSHER INSIDE CCR		dB(A)	81.4
NEAR MINES MAIN GATE		dB(A)	76.6
INSIDE PHYSICAL LAB		dB(A)	80.8
NEAR CONVEYOR BELT ( BC-5 BELT)		dB(A)	84.8
NEAR MINES STAFF COLONY		dB(A)	71.8

**REMARKS: RESULTS ARE AS ABOVE**

**Terms & conditions**

- > The use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above tests.

 <b>PREPARED BY</b> 23/12/2020		<b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>  <b>AUTHORIZED SIGNATORY</b> 23/12/2020
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-----End of the test report-----

AN ISO : 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY





HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Birla Corporation Limited</b> <b>Unit-Sagmania Limestone Mines</b> <b>(A Unit of MP Birla Group)</b> <b>PO : Birla Vikas, Satna -485005, M.P.</b> <b>India</b>	Report No.	UES/TR/20-21/03514	
	Lab Ref No.	UES/20-21/AAQM/03161	
	Date of Sampling	14/12/2020 to 15/12/2020	
	Date of Receipt	17/12/2020	
	Date of Report	23/12/2020	
	Date of Analysis	Start: 18/12/2020	End: 23/12/2020

SAMPLE DETAILS	
Monitoring For	Ambient Air Quality Monitoring
Sampling Location	Labour Colony (East)
Customer Ref. No. & Date	4560448372, DATED :04.12.2020
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., Filter Paper (PM2.5): 1X1 No. SO2: 30mLX1 No. PVC Bottle, NO2: 30mLX1 No. PVC BOTTLE, Rubber Bladder: 1X1 No., C6H6: CARCOAL Tube., OZONE: 10MLX1 No. Brown PVC Bottle, NH4:10MLX1 No. Brown PVC Bottle

TEST REPORT				
PARAMETER	UNIT	METHOD REFERENCE	CPCB STANDARD	RESULT Labour Colony (East)
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100	94.0
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol.-I.	60	42.0
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80	10.6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80	24.8
Carbon Monoxide (CO) *	mg/m <sup>3</sup>	IS 5182 (Part 10): 1999, RA 2003	4.0	0.64
Lead (Pb)	µg/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	1.0	N.D.
Nickel (Ni)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	20	N.D.
Arsenic (As)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	6.0	N.D.
Ozone (O <sub>3</sub> ) *	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	180	6.4
Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	400	12.4
Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11): 2006	5.0	N.D.
Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 (Part 12): 2014	1.0	N.D.

REMARKS: \* These Results are on the basis of 1 hour sampling, N.D.: Not Detected

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- > This is for information as the party has asked for.

 PREPARED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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End of the test report





HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Birla Corporation Limited</b> <b>Unit-Sagmania Limestone Mines</b> <b>(A Unit of MP Birla Group)</b> <b>PO : Birla Vikas, Satna -485005, M.P.</b> <b>India</b>	Report No.	UES/TR/20-21/03512	
	Lab Ref No.	UES/20-21/AAQM/03159	
	Date of Sampling	14/12/2020 to 15/12/2020	
	Date of Receipt	17/12/2020	
	Date of Report	23/12/2020	
	Date of Analysis	Start: 18/12/2020	End: 23/12/2020

SAMPLE DETAILS	
Monitoring For	Ambient Air Quality Monitoring
Sampling Location	A-Quarry Pump House (West)
Customer Ref. No. & Date	4560448372, DATED :04.12.2020
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., Filter Paper (PM2.5): 1X1 No. SO2: 30mLX1 No. PVC Bottle, NO2: 30mLX1 No. PVC BOTTLE, Rubber Bladder: 1X1 No., C6H6: CARCOAL Tube. OZONE: 10MLX1 No. Brown PVC Bottle, NH4:10MLX1 No. Brown PVC Bottle

TEST REPORT				
PARAMETER	UNIT	METHOD REFERENCE	CPCB STANDARD	RESULT A-Quarry Pump House (West)
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100	92.0
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol.-I.	60	38.0
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80	12.4
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80	22.6
Carbon Monoxide (CO) *	mg/m <sup>3</sup>	IS 5182 (Part 10): 1999, RA 2003	4.0	0.42
Lead (Pb)	µg/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	1.0	N.D.
Nickel (Ni)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	20	N.D.
Arsenic (As)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	6.0	N.D.
Ozone (O <sub>3</sub> ) *	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	180	6.6
Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	400	12.4
Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11): 2006	5.0	N.D.
Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 (Part 12): 2014	1.0	N.D.

**REMARKS:** \* These Results are on the basis of 1 hour sampling, N.D.: Not Detected

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 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----





HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Birla Corporation Limited</b> <b>Unit-Sagmania Limestone Mines</b> <b>(A Unit of MP Birla Group)</b> <b>PO : Birla Vikas, Satna -485005, M.P.</b> <b>India</b>	Report No.	UES/TR/20-21/03513	
	Lab Ref No.	UES/20-21/AAQM/03160	
	Date of Sampling	14/12/2020 to 15/12/2020	
	Date of Receipt	17/12/2020	
	Date of Report	23/12/2020	
	Date of Analysis	Start: 18/12/2020	End: 23/12/2020

SAMPLE DETAILS	
Monitoring For	Ambient Air Quality Monitoring
Sampling Location	ANFO Mixing Shelter (North)
Customer Ref. No. & Date	4560448372, DATED :04.12.2020
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., Filter Paper (PM2.5): 1X1 No. SO2: 30mlX1 No. PVC Bottle, NO2: 30mlX1 No. PVC BOTTLE, Rubber Bladder: 1X1 No., C6H6: CARCOAL Tube, OZONE: 10MLX1 No. Brown PVC Bottle, NH4:10MLX1 No. Brown PVC Bottle

TEST REPORT				
PARAMETER	UNIT	METHOD REFERENCE	CPCB STANDARD	RESULT ANFO Mixing Shelter (North)
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100	78.0
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol.-I.	60	34.0
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80	10.8
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80	26.2
Carbon Monoxide (CO) *	mg/m <sup>3</sup>	IS 5182(Part 10):1999, RA 2003	4.0	0.42
Lead (Pb)	µg/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	1.0	N.D.
Nickel (Ni)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	20	N.D.
Arsenic (As)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	5.0	N.D.
Ozone (O <sub>3</sub> ) *	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	180	8.2
Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	400	16.4
Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11):2006	5.0	N.D.
Benzo (a) Pyrene	ng/m <sup>3</sup>	IS 5182 (Part 12):2014	1.0	N.D.

REMARKS:\* These Results are on the basis of 1 hour sampling, N.D.: Not Detected

**Terms & conditions**

- > The use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above tests only.

23/12/2020 <b>PREPARED BY</b>		23/12/2020 <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----





HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Birla Corporation Limited</b> <b>Unit-Sagmania Limestone Mines</b> <b>(A Unit of MP Birla Group)</b> <b>PO : Birla Vikas, Satna -485005, M.P.</b> <b>India</b>	Report No.	UES/TR/20-21/03511	
	Lab Ref No.	UES/20-21/AAQM/03158	
	Date of Sampling	14/12/2020 to 15/12/2020	
	Date of Receipt	17/12/2020	
	Date of Report	23/12/2020	
	Date of Analysis	Start: 18/12/2020	End: 23/12/2020

SAMPLE DETAILS	
Monitoring For	Ambient Air Quality Monitoring
Sampling Location	A-Quarry Dispensary (South)
Customer Ref. No. & Date	4560448372, DATED :04.12.2020
Duration of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM10): 1X1 No., Filter Paper (PM2.5): 1X1 No. SO2: 30mlX1 No. PVC Bottle, NO2: 30mlX1 No. PVC BOTTLE, Rubber Bladder: 1X1 No., C6H6: CARCOAL Tube., OZONE: 10MLX1 No. Brown PVC Bottle, NH4:10MLX1 No. Brown PVC Bottle

TEST REPORT				
PARAMETER	UNIT	METHOD REFERENCE	CPCB STANDARD	RESULT Quarry Dispensary (South)
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100	81.0
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol.-I.	60	48.0
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80	8.2
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 5): 2006 & CPCB Guidelines Vol.-I	80	20.4
Carbon Monoxide (CO) *	mg/m <sup>3</sup>	IS 5182(Part 10):1999, RA 2003	4.0	0.36
Lead (Pb)	µg/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	1.0	N.D.
Nickel (Ni)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	20	N.D.
Arsenic (As)	ng/m <sup>3</sup>	CPCB Guidelines Vol-I and AAS Method	6.0	N.D.
Ozone (O <sub>3</sub> ) *	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	180	4.8
Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	CPCB Guidelines Vol-I	400	9.6
Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11):2006	5.0	N.D.
Benzo(a) Pyrene	ng/m <sup>3</sup>	IS 5182 (Part 12):2014	1.0	N.D.

**REMARKS:\*** These Results are on the basis of 1 hour sampling, N.D.: Not Detected

**Terms & conditions**

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- > Test sample will be retained for 15 days after issue of report unless otherwise agreed with customer.
- > This is for information as the party has asked for above.

 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
------------------------	---	---------------------------------

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Birla Corporation Limited</b> <b>Unit-Sagmania Limestone Mines</b> <b>(A Unit of MP Birla Group)</b> <b>PO : Birla Vikas, Satna -485005,</b> <b>M.P. India</b>		<b>REPORT NO</b>		UES/TR/20-21/03529	
		<b>LAB. REF. NO.</b>		UES/20-21/W/03176	
		<b>DATE OF SAMPLING</b>		16/12/2020	
		<b>DATE OF RECEIPT</b>		17/12/2020	
		<b>DATE OF REPORT</b>		23/12/2020	
		<b>DATE OF ANALYSIS</b>		START: 18/12/2020	END: 23/12/2020
<b>SAMPLE DETAILS</b>					
<b>CUSTOMER SAMPLE ID</b>		SAGMANIA MINES ETP WATER		<b>CUSTOMER REF. NO. &amp; DATE</b>	
				4560448372, DATED :04.12.2020	
<b>SAMPLE TYPE</b>		ETP WATER SAMPLE		<b>SAMPLE CONDITION AT RECEIPT</b>	
				OK	
<b>PACKING OF SAMPLE</b>		JERRY CANE (3 LTR.*1) GLASS BOTTLE (300 ml.*1)		<b>SAMPLE COLLECTED BY</b>	
				LABORATORY CHEMIST	
<b>OTHER DETAILS</b>		SEALED		<b>QUANTITY RECEIVED</b>	
				APPROX. 3.3 LTR.	

TEST REPORT					
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	-	IS:3025: (Part-11): 1983, RA 2012	5.5 To 9.0	7.53
2	Total Suspended Solid	mg/L	IS:3025: (Part-17): 1984, RA 2012	100	56.8
3	Chemical Oxygen Demand	mg/L	IS:3025: (Part-58): 2006, RA 2012	250	62.0
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part-44): 1993 RA 2014	30	10.4
5	Oil & Grease	mg/L	IS:3025: (Part-39): 1986	10	N.D.
6	Total dissolved solids	mg/L	IS:3025 (Part-16): 1984	--	420.5

Note:mg/lit.: milligram per liter. N.D.: Not Detected.

**REMARKS: RESULTS ARE AS ABOVE**

**Terms & conditions**

- > The use of the report for publication, arbitration or as legal dispute is forbidden.
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- > This is for information as the party has asked for above test(s) only.

 PREPARED BY	 For <b>ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 AUTHORIZED SIGNATORY
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End of the test report



Regd.A/D

SCW/ Q/VT/ 46 /2020-21

12.04.2021

**The Director General of Mines Safety**  
Dhanbad -826001

**Sub: Progress Chart of Quarter ending March'2021 and Programme Chart of Quarter ending June'2021 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 March'2021 and Programme Chart of Quarter ending June'2021 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

2) Quarry



# MINES VOCATIONAL TRAINING RULES - 1966


## SCHEDULE - XII APPENDIX IN FORM - 7

### Progress Chart of Training Centre for the Quarter Ending-March 2021

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	<b>Safe Operation &amp; Maintenance:-</b> Fitter, Attendant, Khalasi & General Mazdoor Contractual	R	518	IV	16.01.21	31.01.21	20	20	20	
2	<b>Safe Operation &amp; Maintenance:-</b> Fitter, Helper Auto Electrician Welder & General Majdoor	R	519	IV	8.03.2021	20.03.21	16	16	16	

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 : 12.04.2021  
 Name in block letter : **V.N. SINGH**



**MINES VOCATIONAL TRAINING RULES - 1966**  
**SCHEDULE - XII**

**Notice of Programme of Training during Quarter Ending -June 2021**  
**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		Session	Category of workers	Type of Course	Schedule	Batch No.
	From	To					
Third	16.05.2021	31.05.2021	M&E	Safe Operation & Maintenance :- Driver, Operator, Helper,	R	4(ix) & Self made modules	520
Second	08.06.2021	19.06.2021	M&E	Safe Operation & Maintenance :- Driver, Operator, Helper,	R	"	521

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 : 12.04.2021  
Name in block letter : **V.N. SINGH**

### Participation Record

Programme Title : Health and Safety in Mines

Date : 12-2-2021

Venue : V.T. Centre

SN	Code	Name	Designation	Signature
1. 1		Vijayant Kushwaha		Vijay
2. 2		Deepak Singh		Deepak
3. 3		Rajeev Singh		Rajeev
4.			Unordn 12/2	
5.				
6.				
7.		15/2/2021 Sub: Communication		
8.				
9. 1		Vijayant Kushwaha		Vijay
10. 2		Deepak Singh		Deepak
11. 3		Rajeev Singh		Rajeev
12.				
13.		Unordn. 15/2		
14.				
15.		16/2/2021 Sub: Safe driving	Practises	
16.				
17. 1		Vijayant Kushwaha		Vijay
18. 2		Deepak Singh		Deepak
19. 3		Rajeev Singh		Rajeev
20.			Unordn 16/2	
21.				
22.		18/2/2021		
23.		Sub: General Safety and defensive driving		
24. 1		Vijayant Kushwaha		Vijay
25. 2		Deepak Singh		Deepak
26. 3		Rajeev Singh		Rajeev
27.				

Unordn  
18/2



Programme Title

Participation Record

Date

: Safety in operation of HEMM in Mines  
: 20-1-21 and importance of PPEs.

Venue

: V.T.Center

SN	Code	Name	Designation	Signature
1.	MS	Ajay TEKAM	Drill opt.	Ajay
2.	MS	Kamlesh Singh	Supervision	Kamlesh
3.	MS	रजेश शर्मा	Maint/SV	Rajesh
4.	MS	विक्रम कुमार सिंह	मैकेनिक	Vikram
5.	MS	Rantosh Saket	Drill opt.	Rantosh
6.	MS	दीपक कौल	ड्राइवर	दीपक
7.	MS	विनीत कौल	ड्राइवर	Vinod
8.	MS	अमिता कौल	ड्राइवर	अमिता
9.	MS	DINESH KUMAR SINGH	OPERATOR	Dinesh Singh
10.	MS	ARUN NAYYAR	HELPER	ARUN
11.	MS	रजेश शर्मा	सुपरवाइजर	Rajesh
12.	MS	Rakesh Kumar	सुपरवाइजर	Rakesh
13.				
14.				
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1  
(Rajesh N. Singh)  
20/1/21



## Annexure-22

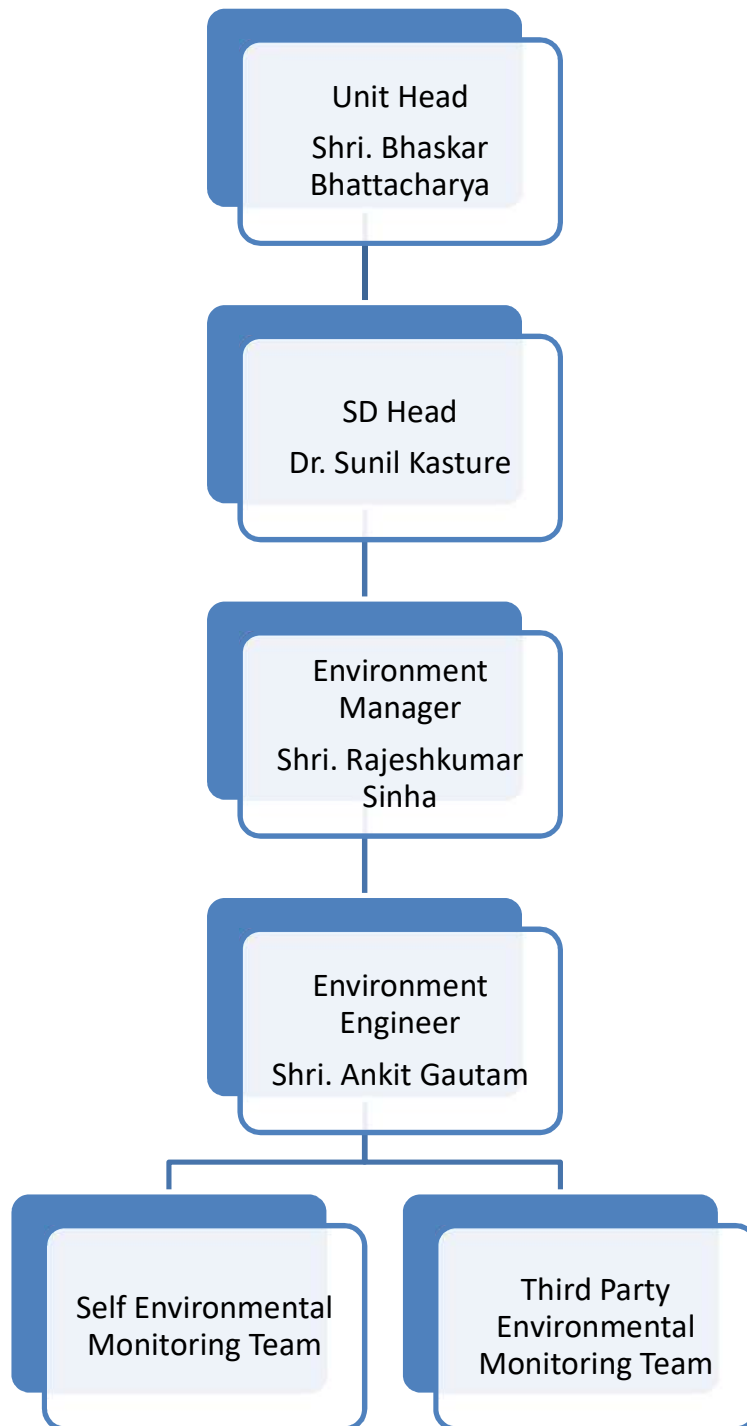
### Fully Equipped Air & Water Environmental Laboratory





**Annexure: 23**

**Organization Structure: Environment Management Cell**



## Annexure-24

## Details of Expenditure for Environmental protection at Mines

Sr.No.	Description	Amount (In Lacs Rs)
1	Dust suppression & Monitoring	3.5
2	Water sprinkling cost	6.75
3	Fencing work	8.27
4	Reclamation cost	70.21
5	Plantation cost	5.3
Total cost		94.03



Date : 10.01.2008

To,  
**District Collector**  
Satna (M.P.)

Subject: Sagmania Limestone Mining Project of M/s Birla Corporation Limited located in Village Sagmania, Tehsil Raghuraj Nagar, District-Satna, Madhya Pradesh-  
Environmental Clearance reg.

Dear Sir,

We thankfully acknowledge the receipt of letter No.J-11015/271/2006-IA.II(M) dated 27 December,2007 from Government of India, Ministry of Environment and Forest, New Delhi regarding Environmental Clearance of our Sagmania Limestone Mining Project of M/s Birla Corporation Limited located in Village-Sagmania, Tehsil-Raghuraj Nagar, District-Satna, Madhya Pradesh. Subsequently what action we are required to take, a copy of the same is enclosed for your kind reference.

As per the General Condition No. (XVII) laid down in the above referred letter, we request you to please display the copy of the said Environmental clearance letter in the notice board of your Office for 30 days.

Thanking you,

Yours faithfully,  
for BIRLA CORPORATION LIMITED  
(CEMENT DIVISION) SATNA

  
( D.ROY )  
GENERAL MANAGER(MINES)

Encl.As above.

Date : 10.01.2008

To,  
**District Industry Center**  
Satna (M.P.)

Subject: Sagmania Limestone Mining Project of M/s Birla Corporation Limited located in Village Sagmania, Tehsil Raghuraj Nagar, District-Satna, Madhya Pradesh-  
Environmental Clearance reg.

---

Dear Sir,

We thankfully acknowledge the receipt of letter No.J-11015/271/2006-IA.II(M) dated 27 December,2007 from Government of India, Ministry of Environment and Forest, New Delhi regarding Environmental Clearance of our Sagmania Limestone Mining Project of M/s Birla Corporation Limited located in Village-Sagmania, Tehsil-Raghuraj Nagar, District-Satna, Madhya Pradesh. Subsequently what action we are required to take, a copy of the same is enclosed for your kind reference.

As per the General Condition No. (XVII) laid down in the above referred letter, we request you to please display the copy of the said Environmental clearance letter in the notice board of your Office for 30 days.

Thanking you,

Yours faithfully,  
for BIRLA CORPORATION LIMITED  
(CEMENT DIVISION) SATNA

  
( D.ROY )  
GENERAL MANAGER(MINES)

Encl.As above.





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

Date: 21.10.2020

To,  
**The Regional Director,**  
Ministry of Environment, Forest and Climate Change,  
Regional Office (WZ),  
Kendriya Paryavaran Bhawan,  
E-5 Arera Colony, Link Road-3,  
Ravishankar Nagar,  
Bhopal — 462016

Sub: Environmental Clearance Compliance of General Condition no. XVI for Sagmania Limestone Mines of M/s Birla corporation Ltd., Unit Satna Cement works, regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

Dear Sir,

Sagmania Limestone is a captive mines of M/s. Birla Corporation Ltd. Unit-Satna Cement Works. Sagmania Limestone Mine started in 1959. The total lease hold area is 852.50 Ha, in village Barikalan, Baraj, Puraini, Bathiakhurd, Bharjunakalan, Nimi & Naina of Raghurajnagar Tehsil, dist. Satna, Madhya Pradesh. The first renewal for the lease period was done in 1976. Second renewal was upto 2016. As per new MMDR Act-2015 the lease period was extended upto 31<sup>st</sup> March 2030 and accordingly mining Lease Deed agreement with State govt. was done on dated 19.09.2017 (Copy enclosed).

As per Mineral Concession Rules, 1960 and Mineral Conservation and Development Rules, 1988, Final mine closure plan as per statute, has to be submitted for final approval at least nine months before the date of proposed closure of mine. In this regard financial assurance in form of Bank Guarantee of Rs 137409000/- has been submitted to Indian Bureau of Mines for period up to 31.03.2021 and renewed with review of Mining Plan. As the Mines is in operation since 1959, the land development started since then.

This is for your kind information and record please.

Thanking you,  
Yours faithfully,

Authorised Signatory  
For, Birla Corporation Ltd.  
Unit-Satna Cement Ltd.

खान एवं खनिज (विकास तथा विनियम) अधिनियम, 1957 संशोधन अध्यादेश 2015  
के अधीन खनिपट्टों की अवधि वृद्धि कि संबंध में

पूरक अनुबंध पत्र निष्पादन दिनांक 12.03.2015

यह पूरक अनुबंध, खान एवं खनिज (विकास तथा विनियम) अधिनियम, 1957 संशोधन अध्यादेश 2015 के अधीन तत्काल मोप्रो शासन खनिज साधन विभाग मंत्रालय के आदेश क्रमांक एफ-19-5/2015/12-1 भोपाल दिनांक 12.03.2015 के अनुसार कैप्टिव उपयोग हेतु स्वीकृत खनिपट्टों की मूल स्वीकृति अवधि के स्थान पर 50 वर्ष या अंतिम नवकरण समाप्ति दिनांक से 31.03.2030 इनमें से जो भी बाद में हो स्वीकृत मान्य (Deemed) किये जाने के संबंध में अधिनियम की धारा 8 ए (5) अनुसार किया जा रहा है।

खनिपट्टाधारी मेसर्स बिरला कार्पोरेशन लिमिटेड यूनिट-सतना सीमेन्ट वर्क्स, सतना जिला सतना को मोप्रो शासन खनिज साधन विभाग के द्वारा ग्राम बारीकला, बराज, पुरैनी, नीमी, बठियाखुर्द, नैना एवं भरजुना कला तहसील रघुराजनगर के रकबा 6101 एकड़ (2489 हेक्टेयर) पर खनिज 20 वर्ष की अवधि के लिए स्वीकृत किया गया था, जिसके अनुबंध का निष्पादन दिनांक 19.10.1956 को हुआ था।

स्वीकृत खनिपट्टा मोप्रो शासन खनिज साधन विभाग के नवीनीकृत आदेश क्रमांक एफ-3-182/76/12/6 दिनांक 22.04.1977 द्वारा प्रथम नवकरण में रकबा 1000 हेक्टेयर क्षेत्र पर खनिज चूनापत्थर खनिपट्टा 20 वर्ष के लिए नवीनीकृत होकर दिनांक 19.10.1976 से 18.10.1996 तक स्वीकृत व अनुबंधित था। द्वितीय नवीनीकरण आवेदन पत्र दिनांक 13.10.1995 को प्रस्तुत किया गया था स्वीकृत खनिपट्टा मोप्रो शासन खनिज साधन विभाग के नवीनीकृत आदेश क्रमांक एफ-3-234/97/12/1 दिनांक 13.10.2010 द्वारा द्वितीय नवकरण में रकबा 852.500 हेक्टेयर क्षेत्र पर खनिज चूनापत्थर खनिपट्टा 20 वर्ष के लिए नवीनीकृत होकर दिनांक 19.10.1996 से 18.10.2016 तक स्वीकृत व अनुबंधित था। तृतीय नवीनीकरण आवेदन पत्र दिनांक 31.07.2015 को प्रस्तुत किया गया था।

मोप्रो शासन खनिज साधन विभाग मंत्रालय के आदेश क्रमांक एफ-19-5/2015/12-1 भोपाल दिनांक 12.03.2015 के अनुसार कैप्टिव उपयोग हेतु स्वीकृत खनिपट्टों के अधिनियम के प्रावधानों के अधीन वृद्धि किये जाने के संबंध में एम.एन.डी.आर. अधिनियम 2015 के नियम 8 ए (5) के अनुसार जबकि खनिज कैप्टिव उपयोग के लिए किया जा रहा है, स्वीकृत लीज दिनांक से 50 वर्ष या अंतिम नवकरण समाप्ति दिनांक से 31 मार्च 2030 इनमें से जो भी बाद में हो, स्वीकृत मान्य (Deemed Renewal) किया जाकर लीज अवधि वृद्धि की जायेगी अर्थात् स्वीकृत खनिपट्टा अंतिम नवकरण समाप्ति दिनांक 18.10.2016 से 31.03.2030 प्रतिस्थापित कर स्वीकृत मान्य समझा (Deemed) जाकर दिनांक 18.10.2016 से कैप्टिव खनिपट्टा के लिए आदेशित न्यूनतम अवधि 31.03.2030 तक विस्तारित खनिपट्टा अवधि हेतु पूरक अनुबंध किया जा रहा है।

खान एवं खनिज (विकास एवं विनियम) संशोधित अधिनियम 2015 के अधीन खनिपट्टों की अवधि वृद्धि के संबंध में शर्तें खनिपट्टा मूल स्वीकृत आदेश, नवीनीकरण स्वीकृत आदेश तथा, खनिपट्टा मूल अनुबंध पत्र तथा नवीनीकरण अनुबंध पत्र के अनुसार बंधावस्त रहेगी तथा यह पूरक अनुबंध पत्र, मूल अनुबंध पत्र का भाग होगा।

पूरक अनुबंध पत्र स्वीकृत खनिपट्टा की विस्तारित अवधि 18.10.2016 से 31.03.2030 तक कुल 13 वर्ष 5 माह एवं 13 दिन के लिए किया जा रहा है। स्टाम्प ड्यूटी के लिए औसत वार्षिक रायल्टी रुपये 2,94,00,00,00/रु। भारतीय स्टाम्प अधिनियम 1899 के तहत स्टाम्प शुल्क रजिस्ट्रीकरण अधिनियम 1908 के तहत रजिस्ट्रेशन फीस जमा किया जाना तथा निष्पादित पूरक अनुबंध का पंजीयन कराया जाना अनिवार्य होगा।

साक्षी :-

1. \_\_\_\_\_

2. \_\_\_\_\_

साक्षी :-

1. \_\_\_\_\_

2. \_\_\_\_\_

पट्टेदार  
ज.एस. खजलरा,  
(सीनियर ज्वाइंट प्रेसीडेंट)  
वास्त-मेसर्स बिरला कार्पोरेशन लिमिटेड,  
यूनिट-सतना सीमेन्ट वर्क्स, सतना



## आम सूचना

सर्व साधारण को सूचित किया जाता है कि बिरला कार्पोरेशन लिमिटेड की ग्राम सगमनिया, तहसील रघुराजनगर, जिला सतना (म.प्र.) स्थित सगमनिया लाईम स्टोन माइन्स को पर्यावरण एवं वन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा अपने पत्र क्रमांक J-11015/271 / 2006 / IA. II (M) दिनांक 27 दिसम्बर 2007 द्वारा लाईम स्टोन के उत्खनन की क्षमता 3.3 MTPA से 4.9 MTPA करने की स्वीकृति प्रदान की गई है। सगमनिया लाईम स्टोन माइन्स का माईनिंग लीज एरिया 939.78 हेक्टेयर है। उपरोक्त पत्र की प्रति मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड (सतना), जिला उद्योग केन्द्र (सतना), कलेक्ट्रेट आफिस (सतना) एवं पर्यावरण एवं वन मंत्रालय की वेबसाईट <http://envfor.inc.in> पर उपलब्ध है।

## आम सूचना

सर्व साधारण को सूचित किया जाता है कि बिरला कार्पोरेशन लिमिटेड की ग्राम सगमनिया, तहसील रघुराजनगर, जिला सतना (म.प्र.) स्थित सगमनिया लाईम स्टोन माइन्स को पर्यावरण एवं वन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा अपने पत्र क्रमांक J-11015/271/2006/IA. II(M) दिनांक 27 दिसंबर 2007 द्वारा लाईम स्टोन के उत्खनन की क्षमता 3.3 MTPA से 4.9 MTPA करने की स्वीकृति प्रदान की गई है. सगमनिया लाईम स्टोन माइन्स का माईनिंग लीज एरिया 939.78 हेक्टेयर है.

उपरोक्त पत्र की प्रति मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड (सतना), जिला उद्योग केन्द्र (सतना), कलेक्ट्रेट ऑफिस (सतना) एवं पर्यावरण एवं वन मंत्रालय की वेबसाइट <http://envfor.inc.in> पर उपलब्ध है.