

cement! sugar! refractories! power!

To,

Date- 30.11.2022

Deputy Director General of Forests (C) Ministry of Environment, Forest and Climate Change, Integrated Regional Office, E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016

Sub: Proposed Limestone Mine (ML Area: 575.830 ha) at Villages: Bairiha, Patarhai & Janardanpur, Tehsil: Rampur Baghelan, District: Satna (Madhya Pradesh) of M/sDalmia Cement (Bharat) Ltd. - Submission of Half-Yearly Compliance-reg.

Ref: 1. Environmental Clearance (EC) granted by MOEFCC, Govt. of India vide Letter No. J-11015/13/2019-IA.II (M) dated 26.07.2021

Dear Sir,

With reference to above subject matter and referred letter, we are herewith submitting point wise Half-Yearly Compliance report of conditions laid down in Environment Clearance for the period **April- 2022 to Sept-2022** for your kind perusal and record.

Thanking you,

Yours Faithfully, For Dalmia Cement (Bharat) Ltd.

(Dinesh Dixit) DGM, Mines

Encl: As Above

CC1) Regional Director, CPCB Zonal Office, Vithal Market, Paryavaran Parisar, E-5, Arera Colony,Bhopal-462016, Madhya Pradesh 2) Regional Officer, M.P. Pollution Control Board, Satna, Madhya Pradesh.

 Dalmia Cement (Bharat) Limited

 11th & 12th Floor, Hansalaya Building, 15, Borakhamba Raod, New Delhi - 110 001, Delhi, India

 T +91 11
 2346 5100 Toll Free 1800 2020 W www.dalrniacement.com

 <u>CINU</u> 6 5 1 9 1 T N 1 9 9 6 P L C 0 35 9 6 3

 Registered Office: Dalmiapuram, District Tiruchirappalli — 621 651, Tamil Nadu, India

 A Dalmia Bharat group company, www.dalmiabharat.com

### Half Yearly Compliance Report of Specific Conditions of Environmental Clearance

### April 2022 to September 2022

### EC LETTER NO. J-11015/15/2019-IA. II (M); DATED 26/07/2021.

### Specific EC conditions: -

Sr.	Conditions	Compliance
1.	The budget of Rs. 6.0 Crores to address the concerns	Being Complied.
	raised by the public including in the public hearing to be	Currently, the mining activities is
	completed within 3 years from the date of start of mining	limited to initial mine development and
	operations.	land purchase. However, following
		activities has been undertaken as per
		the Action Plan submitted during grant
		of EC:
		1. Construction of the 230m long
		boundary wall was completed for
		Patarhai Primary School. 2 Nos
		steel gate were also fixed.
		2. Support extended during Covid-19
		pandemic by distributing masks,
		sanitisers in all villages. Ration
		support for 300 under privileged
		families. Total Cost Rs 0.79 Lakh.
		3. 10 computers given to Govt High
		School Bairiha for enhancement
		of quality education. Total Cost Rs
		2.89 Lakh.
		4. 180 Meter CC road completed in
		village Janardanpur, near Baba
		Kangaldas Mandir in adiwasi
		mohalla. Total Cost Rs 7.49 Lakh.
		5. Supply and Laying of Murrum on
		village Road against demand of
		Gram Panchayat in Patarhai
		Village. Rs 2.33 Lakh.
		6. Imparting training for skill
		development through Dalmia
		Institute of Knowledge & Skill
		Harnessing (DIKSHA) for youths of
		Janardanpur, Patarhai & Bairiha
		Villages. I otal Cost Ks 21.86 Lakh.
		7. Sustainable Livelihood
		Development Program
		Implementation through Dalmia
		Bharat Foundation (DBF) for
1		upliftment of Women, Animal

Sr.	Conditions	Compliance
		Husbandry & Agriculture. Total
		Cost Rs 19.79 Lakh.
		(Details submitted with previous
		Compliance report)
2.	over 95.92 ha in peripheral zone and ensure that the plantation in peripheral zone and plantation along safety zone of nallah, road and habitation should be completed within 3 years from the date of commencement of mining operations with at least 90% survival rate. Causalities of the previous year should be replaced other than the	Mining activity such as Initial mine development work is under progress at site. Land acquisition is also under progress. Post acquiring the substantial contiguous land, mining operations with plantation/greenbelt development
	saplings proposed to be planted every year.	over 95.92 ha and plantation along safety zone of nallah, road and habitation will be carried out in desired manner. 280 nos of saplings have been planted along the road in Bairiha ML during this monsoon in addition to 112 nos sapling planted in previous year. Attached Annexure- I.
3.	The Project Proponent shall ensure that the air pollution control equipment like bag filter shall be installed at crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. The PP shall also undertake plantation all along the conveyor belt.	Noted. It is ensured that Air pollution control equipment as submitted in EIA/EMP report, such as Bag filters/dry fog system and automatic water spray system shall be installed at crusher. Crushed limestone shall be transported to interlinked cement project via covered conveyor belt to avoid generation of dust while transportation. Bag filters will be installed at each transfer points of conveyor belt. Plantation will be done all along the conveyor belt corridor.
4.	The Project Proponent shall install conveyor belt from mines to cement plant and transportation is only through conveyor belt.	Noted. At present mining activities are limited to initial mine development work only. No transportation has been done during this compliance period. However, crushed limestone shall be transported to the proposed interlinked cement project via covered conveyor helt
5.	The Project Proponent shall implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.	Noted. Lands are being purchased in mutual agreement with the land owners and compensation is paid as per the Policy and guidelines of the State

Sr.	Conditions	Compliance
		Government/Central Government as provided under the law.
6.	The Project Proponent should undertake regular monitoring of ground water level and surface water quality and take preventive measures for protection of water bodies within the lease area as well as nearby the mines.	Noted. Ground Water level and surface water quality will be monitored regularly during operation of the mine. All preventive measures will be undertaken for protection of nearby water bodies
7.	The Project Proponent shall conduct the detailed hydrogeological study and obtain the NOC from CGWA before intersection of ground water table. The mining operations shall be restricted to above ground water table and it should not intersect the ground water table till obtain the NOC from the CGWA.	Noted. Detailed Hydrogeological study have been undertaken by JM EnviroNet Pvt. Ltd. for Hydro-geological evaluation during grant of EC. CGWA NOC has been obtained for ground water abstraction and ground water seepage vide NOC no CGWA/NOC/MIN/ORIG/2021/13700 dated 11/11/2021 and valid upto 10/11/2023. (Submitted with previous Compliance report) Hydrogeological Study report has already been submitted with previous Compliance report.
8.	The Project Proponent should develop community infrastructure including COVID health Centre at Village panchayats Janardanpur, Jamuna & Bairiha, providing Oxygen concentrators, beds, PPE Kits, Covid Care, support in vaccination, Awareness for COVID etc. with the proposed budgetary provision of Rs.150 lakhs as mentioned in letter no nil dated 13.06.2021.	Noted. Support extended during Covid-19 pandemic by distributing masks, sanitizers in all villages. Ration support for 300 under privileged families. (Details submitted with previous compliance report) However, further activities will be undertaken as per the Action Plan submitted grant of EC.
9.	The Project Proponent shall also organize employment- based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people.	Noted.
10.	The Project Proponent should obtain permission for withdrawal of ground water.	<b>Complied.</b> CGWA NOC has been obtained for ground water abstraction and ground water seepage vide NOC dated 11/11/2021.
11.	The topsoil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	Noted. Top soil will be temporarily stored at earmarked place in accordance with the approved mining plan and will be simultaneously used for greenbelt development/plantation in 7.5 m safety

Sr.	Conditions	Compliance
		zone along ML boundary and in safety
		barrier along protective area. Topsoil
		will also be used for topping of the
		backfilled area to develop it for
		agriculture use.
12.	A seasonal nala namely Dila nala is excluded during grant	Noted.
	of ML from the mining lease area which divided the	50 m safety barrier will be left along the
	mining lease in blocks and 50 m safety barrier along the	Nala and thick plantation will be
	nala will be left along the Nala and thick plantation shall	undertaken in Safety barrier of Nala
	be developed as a safety barrier.	within mine lease as per the Action Plan
		submitted during grant of EC.
13.	Regular surveillance on Silicosis shall be carried through	Noted.
	regular occupational health checkup of 1/3 of the persons	
	every year.	

### Standard Conditions: -

Sr.	Conditions	Compliance
١.	Statutory Compliance	
14.	This Environmental Clearance (EC) is subject to orders/	Noted.
	judgment of Hon'ble Supreme Court of India, Hon'ble	
	High Court, Hon'ble NGT and any other Court of Law,	
	Common Cause Conditions as may be applicable.	
15.	The Project proponent complies with all the statutory	Noted.
	requirements and judgement of Hon'ble Supreme Court	
	dated 2nd August,2017 in Writ Petition (Civil) No. 114 of	
	2014 in matter of Common Cause versus Union of India &	
	Ors before commencing the mining operations.	
16.	The State Government concerned shall ensure that	-
	mining operation shall not be commenced till the entire	
	compensation levied, if any, for illegal mining paid by the	
	Project Proponent through their respective Department	
	of Mining & Geology in strict compliance of Judgement of	
	Hon'ble Supreme Court dated 2nd August, 2017 in Writ	
	Petition (Civil) No. 114 of 2014 in matter of Common	
47	Cause versus Union of India & Urs.	
17.	The Project Proponent shall follow the mitigation	Noted.
	measures provided in MOEFCC's Office Memorandum No.	
	2-11013/5//2014-IAJI (IVI), dated 29th October, 2014,	
	titled Impact of mining activities on Habitations-issues	
	related to the mining Projects wherein Habitations and	
	villages are the part of mine lease areas of Habitations	
10	and vinages are surrounded by the mine lease area.	Complied
10	A copy of a letter will be marked to concerned	Complied.
	/ representation has been received while processing the	roport)
	proposal	
	proposal.	

Sr.	Conditions	Compliance
19.	State Pollution Control Board/Committee shall be	-
	responsible for display of this EC letter at its Regional	
	office, District Industries Centre and Collector's office/	
	Tehsildar's Office for 30 days.	
20.	The Project Authorities should widely advertise about the	Complied.
	grant of this EC letter by printing the same in at least two	A public notice informing about grant
	local newspapers, one of which shall be in vernacular	of EC has been published in two
	language of the concerned area. The advertisement shall	newspapers named "Dainik Jagaran
	be done within 7 days of the issue of the clearance letter	and Navonarat on 4 <sup>th</sup> August 2021 In
	and copy of the EC letter is available with the State	language i.e. Hindi Conv. of
	Pollution Control Board/Committee and web site of the	Advertisements were submitted with
	Ministry of Environment Forest and Climate Change	previous compliance report
	(www.environmentalclearance.nic.in). A copy of the	Newspapers with advertisement have
	advertisement may be forwarded to the concerned	been submitted to the Regional Office
	MoEFCC Regional Office for compliance and record.	of MoEFCC. (Submitted
		acknowledgement Copy with earlier
		compliance report).
21.	The Project Proponent shall inform the MoEF&CC for any	Noted.
	change in ownership of the mining lease. In case there is	
	any change in ownership or mining lease is transferred	
	than mining operation shall only be carried out after	
	transfer of EC as per provisions of the para 11 of EIA	
	Air quality monitoring and proconvation	
22	The Project Proponent shall install a minimum of 3 (three)	Noted
22.	online Ambient Air Quality Monitoring Stations with 1	Currently only development work has
	(one) in upwind and 2 (two) in downwind direction based	been initiated at site & simultaneously
	on long term climatological data about wind direction	land purchase is being done. With the
	such that an angle of 120° is made between the	start of mining operation at planned
	monitoring locations to monitor critical parameters,	capacity, online Ambient Air Quality
	relevant for mining operations, of air pollution viz. PM10,	Monitoring Stations will be established
	PM2.5, NO2; CO and SO2 etc. as per the methodology	as prescribed to monitor critical
	mentioned in NAAQS Notification No. B-	parameters relevant for mining
	29016/20/90/PCUI, dated 18.11.2009 covering the	operations of air pollution as per the
	aspects of transportation and use of neavy machinery in	Methodology mentioned in NAAUS
	monitored at prominent places like office building	ambient air quality shall also be
	canteen etc. as per the site condition to ascertain the	monitored at prominent places like
	exposure characteristics at specific places. The above	office building, canteen etc. Monitored
	data shall be digitally displayed within 03 months in front	data will be displayed within 03 months
	of the main Gate of the mine site.	in front of the main Gate of the mine
		site.
23.	Effective safeguard measures for prevention of dust	Noted.
	generation and subsequent suppression (like regular	With the start of mining operation,
	water sprinkling, metalled road construction etc.) shall be	regular water sprinkling will be done on
	carried out in areas prone to air pollution wherein high	haul road, loading and unloading and at
	levels of PM10 and PM2.5 are evident such as haul road,	transfer points to control fugitive dust

Sr.	Conditions	Compliance
	loading and unloading point and transfer points. The	emissions. Bag filters and automatic
	Fugitive dust emissions from all sources shall be regularly	water spray system shall be installed at
	controlled by installation of required equipments/	crusher. Emission generation will be
	machineries and preventive maintenance. Use of suitable	regularly controlled and will be kept
	water-soluble chemical dust suppressing agents may be	within the standard specified by
	explored for better effectiveness of dust control system.	MOEFCC/CPCB. At present, mining
	It shall be ensured that air pollution level conform to the	activities limited to mine development
	standards prescribed by the MoEFCC/ Central Pollution	and not carried out on regular basis.
	Control Board.	Water tankers for water sprinkling are
		hired as and when required during
		development. The AAQ monitoring
		report is attached as Annexure-II
III.	Water quality monitoring and preservation	
24.	In case, immediate mining scheme envisages intersection	Being Complied.
	of ground water table, then Environmental Clearance	Detailed Hydrogeological study have
	shall become operational only after receiving formal	been undertaken by JM EnviroNet Pvt.
	clearance from CGWA. In case, mining operation involves	Ltd. for Hydro-geological evaluation. As
	intersection of ground water table at a later stage, then	per the evaluation, it is observed that
	PP shall ensure that prior approval from CGWA and	there will be groundwater seepage in
	MoEFCC is in place before such mining operations. The	the mine pits or groundwater
	permission for intersection of ground water table shall	intersection by mine workings during
	essentially be based on detailed hydro-geological study of	the plan period.
	the area.	CGWA NOC has been obtained for
		ground water abstraction and ground
		water seepage vide NOC dated
		11/11/2021.
25.	Project Proponent shall regularly monitor and maintain	Noted.
	records w.r.t. ground water level and quality in and	During this compliance period, no
	around the mine lease by establishing a network of	major mining activities have been
	existing wells as well as new piezo-meter installations	undertaken. Currently, the mining
	during the mining operation in consultation with Central	activities is limited to mine
	Ground Water Authority/ State Ground Water	development and land purchase.
	Department. The Report on changes in Ground water	No ground water has been abstracted
	te the Designed Office of the Ministry, COMA and State	during this compliance period.
	Crewedwater Department (State Dellution Control	However, prior to ground water
	Groundwater Department / State Pollution Control	addition, to monitor the water level
	Budiu.	and quality, a network of existing wells
		and installation of new piezo-ineters in
		department will be established
26	The Project Propagant shall undertake regular	Noted Attached Appeyure II
20.	menitoring of natural water source/ water resources/	Noted. Attached Annexure-II
	springs and perceptial pallabs existing flowing in and	
	around the mine lease and maintain its records. The	
	around the mine lease and maintain its records. The	
	water quality unstream and downstream of water bodies	
	nassing within and nearby/ adjacent to the mine losse	
	and maintain its records Sufficient number of guillies shall	
1	and maintain its records. Sumclent number of guilles shall	

Sr.	Conditions	Compliance
	be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.	
27.	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	Noted. No effluent has been generated during this compliance period due to the limited land development activities. However, the effluent generated from workshop, will be monitored regularly and monitored data will be uploaded/displayed as prescribed.
28.	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	<b>Noted.</b> Hydrogeological Study including Rain Water Harvesting Plan was prepared and submitted to CGWA along with the Application for NOC. NOC has been obtained from CGWA vide NOC dated 11/11/2021. Rain water harvesting plan submitted to CGWA will be implemented. Copy of the same is already submitted with previous Compliance report
29	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State	Noted. Currently, no waste water is generated during this compliance period as only land development work at mine site has been undertaken along with land

Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.       purchase. However, with the advancement of mining activities, it will be ensured that the effluent generated from the workshop when established will be treated properly to conform to the prescribed standards.         30.       The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.       Noted.         V.       Noise and vibration monitoring and prevention       Noted.         31.       The peak particle velocity at 500m distance or within the monitored periodically as per applicable DGMS guidelines.       Noted.         32.       The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.       Noted.         33.       The Project Proponent shall take measures for control of noise levels below S dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers? personals/ laborers are working without personal	Sr.	Conditions	Compliance
<ul> <li>shall be treated after its initial passage through Oil and grease trap.</li> <li>advancement of mining activities, it will be treated properly to conform to the prescribed standards.</li> <li>The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&amp;CC and State Pollution Control Board/Committee.</li> <li>Noted.</li> <li>The peak particle velocity at SOOM distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.</li> <li>The pack particle velocity at SOOM distance or within the nearest habitation and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations on HEMM, etc. should be provided with are plugs /muffs. All personnel including laborers working in dusty areas shall be provided with any plugs /muffs. All personale including laborers are working without personals / laborers are working without personals / laborers are working without personals / laborers are working without personals protective equipment.</li> <li>Mining Operation could not commence due to onset of monson. Wining Operations will be carried out in accordance with the approved mining plan, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil plan.</li> <li>The Project Proponent shall adhere to approved mining plan.</li> <li>Meted.</li> <li>Moted.</li> <li>Mining Operation could not commence due to onset of monson. Wilting Operation coul</li></ul>		Pollution Control Board (SPCB). The workshop effluent	purchase. However, with the
grease trap.       be ensured that the effluent generated from the workshop when established will be treated properly to conform to the prescribed standards.         30.       The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.       Noted.         10.       The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.       Noted.         32.       The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.       Noted and Being Complied.         33.       The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers are working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.       Noted.         4.       Mining Plan       Stoted of mining, overburden and top soil (viz. method of mining, overburden at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.       Noted.		shall be treated after its initial passage through Oil and	advancement of mining activities, it will
<ul> <li>and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&amp;CC and State Pollution Control Board/Committee.</li> <li>Noted.</li> <li>Noise and vibration monitoring and prevention</li> <li>The peak particle velocity at SOM distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.</li> <li>The peak particle velocity at SOM distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.</li> <li>The lilumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consect of both human and animal population. Consect of both human and animal population. Consect evels at night for darkness and minimal noise levels at night. PSP must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with arotexies along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Operations could not commence due to onsoon.</li> <li>Mining Operations of MEMM, etc. and the approved mining finan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil (viz. method of mining, overburden &amp; dump management, O.8 &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mi</li></ul>		grease trap.	be ensured that the effluent generated
<ul> <li>will be treated properly to conform to the prescribed standards.</li> <li>The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&amp;CC and State Pollution Control Board/Committee.</li> <li>Noted.</li> <li>The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.</li> <li>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and there are stress and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for dav/night hours.</li> <li>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and tos soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation ant mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li></ul>			from the workshop when established
<ul> <li>the prescribed standards.</li> <li>The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&amp;CC and State Pollution Control Board/Committee.</li> <li>Noise and vibration monitoring and prevention</li> <li>The peak particle velocity at 500m distance or within the monitored periodically as per applicable DGMS guidelines.</li> <li>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress and minimal noise levels bat night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.</li> <li>The Project Proponent shall take measures for control of noise levels bed will was shall be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil (viz. method of mining, overburden at the specify chain at the approved mining plan.</li> <li>The lead-use of the mine lease area at various stages of mining operation mode, ultimate depth of mining, orarcid cust the approved mining plan.</li> </ul>			will be treated properly to conform to
30.       The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.       Noted.         10.       Noise and vibration monitoring and prevention       Noted.         31.       The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.       Noted.         32.       The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.       Noted and Being Complied.         33.       The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ar plugs /muffs. All personnel including laborers working in dusty areas shall be provided with arpotential, and regressible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.       Noted.         44.       Mining Plan       Nining Operation could not commence due to onset of mosoon.       Mining operation swill be carried out in accordance with the approved mining plan, inter alia, including total excavation (qu			the prescribed standards.
and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.       Noted.         IV.       Noise and vibration monitoring and prevention       Noted.         31.       The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.       Noted.         32.       The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by oriening the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.       Noted and Being Complied.         33.       The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personale including laborers working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.       Noted.         V.       Mining Plan       The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil (uc to onset of monsoon.       Mining Operations could not commence due to onset of m	30.	The water balance/water auditing shall be carried out	Noted.
<ul> <li>be taken up and reported to the Regional Office of the MeEF&amp;CC and State Pollution Control Board/Committee.</li> <li>Noise and vibration monitoring and prevention</li> <li>The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.</li> <li>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.</li> <li>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working in total wecaviton (quantum of mineral, waste, over burden, inter burden and top soil (viz. method of mining, overlurden &amp; dump management, 0.8 &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation at mire closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> </ul>		and measure for reducing the consumption of water shall	
NoteF&CC and State Pollution Control Board/Committee.         IV.       Noise and vibration monitoring and prevention         31.       The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.       Noted.         32.       The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.       Noted and Being Complied.         33.       The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with aspects. The P shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.       Noted.         34.       The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, 0.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at		he taken up and reported to the Regional Office of the	
Notice and vibration monitoring and prevention           31.         The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.         Noted.           32.         The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels are light. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.         Noted and Being Complied.           33.         The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The P shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.         Noted.           44.         The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mi		MoEF&CC and State Pollution Control Board/Committee	
1000-2000       Noted.         31.       The peak particle velocity at SOOm distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.       Noted.         32.       The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.       Noted and Being Complied.         33.       The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ar plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.       Noted.         4.       Mining Plan       Noted.       Mining operations will be carried out in accordance with the approved mining mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, minerar transportation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life	iv	Noise and vibration monitoring and prevention	
<ul> <li>11. The peak pailed velocity at solution to statute of writin the motect.</li> <li>nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.</li> <li>32. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working with the approved mining (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>36. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> </ul>	21	The peak particle velocity at 500m dictance or within the	Noted
<ul> <li>The life and failed of the mining operations of BEMS guidelines.</li> <li>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working in agreent, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> </ul>	51.	nearest babitation whichever is closer shall be	Noted.
<ul> <li>anomalian and the periodicality as per applicable DGWs</li> <li>guidelines.</li> <li>32. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; ball bota</li> </ul>		menitered periodically as per applicable DCMC	
<ul> <li>32. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>Moted. Mining operation could not commence due to onset of monsoon. Mining operations will be carried out in accordance with the approved mining furt, mining technology; lease area; scope of working indust, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working indust waste, over burden, inter burden and top soil etc.) with the approved mining management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; bulk be</li> </ul>		monitored periodically as per applicable DGIVIS	
<ul> <li>32. The illumination and sound at night at project sites is Noted.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and to go in the proved mining of the miner laese area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etcl.</li> <li>36. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etcl.</li> <li>37. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etcl.</li> </ul>			
disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.       Noted and Being Complied.         33.       The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.       Noted.         V.       Mining Plan       Mining operation could not commence due to onset of monsoon.       Mining operation could not commence due to onset of monsoon.         34.       The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etcl.       Noted.         35.       The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etcl.       Noted. <th>32.</th> <th>The illumination and sound at night at project sites</th> <th>Noted.</th>	32.	The illumination and sound at night at project sites	Noted.
<ul> <li>population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with approxided with aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etcl.</li> </ul>		disturb the villages in respect of both numan and animal	
<ul> <li>may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>Moted.</li> <li>Mining operations could not commence due to onset of monsoon.</li> <li>Mining Operations will be carried out in accordance with the approved mining (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end of billing chall be as at the end of billing chall be as at the end of billing chall be approved mining miner as the mean of billing chall be as at the end of bills of chall be</li> </ul>		population. Consequent sleeping disorders and stress	
<ul> <li>mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as end-of-life chall be</li> </ul>		may affect the health in the villages located close to	
<ul> <li>and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the and-of-life chall be</li> </ul>		mining operations. Habitations have a right for darkness	
<ul> <li>the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the and-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining as at the and-of-life chall be</li> </ul>		and minimal noise levels at night. PPs must ensure that	
<ul> <li>orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as ent-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as ent-of-life; ctc.</li> </ul>		the biological clock of the villages is not disturbed; by	
<ul> <li>and keeping the noise levels well within the prescribed limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life for the work and the end of the mine lease area at various stages of mining scheme as well as at the end-of-life for the work of the mine lease area at various stages of mining scheme as well as at the end-of-life for the work of the mine lease area at various stages of mining scheme as well as at the end-of-life for the work of the mine lease area at various stages of mining scheme as well as at the end-of-life for the work of the mine lease area at various stages of mining scheme as well as at the end-of-life for the work of the mine lease area at various stages of mining scheme as well as at the end-of-life scheme here work of the mine lease area at various stages of mining scheme as well as at the end-of-life</li></ul>		orienting the floodlights/ masks away from the villagers	
<ul> <li>limits for day /night hours.</li> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life choll bo</li> </ul>		and keeping the noise levels well within the prescribed	
<ul> <li>33. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> </ul>		limits for day /night hours.	
<ul> <li>noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>Noted.</li> </ul>	33.	The Project Proponent shall take measures for control of	Noted and Being Complied.
<ul> <li>workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as end-of-life; ctc.</li> </ul>		noise levels below 85 dBA in the work environment. The	
<ul> <li>provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>Noted.</li> </ul>		workers engaged in operations of HEMM, etc. should be	
Iaborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.Noted.V.Mining Plan34.The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.Noted.35.The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life chall boNoted.		provided with ear plugs /muffs. All personnel including	
<ul> <li>protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life chall be</li> </ul>		laborers working in dusty areas shall be provided with	
<ul> <li>training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life chall be</li> </ul>		protective respiratory devices along with adequate	
<ul> <li>aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as end-of-life chall be</li> </ul>		training, awareness and information on safety and health	
<ul> <li>been found that workers/ personals/ laborers are working without personal protective equipment.</li> <li>V. Mining Plan</li> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be</li> </ul>		aspects. The PP shall be held responsible in case it has	
<ul> <li>working without personal protective equipment.</li> <li>Mining Plan</li> <li>The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be</li> </ul>		been found that workers/ personals/ laborers are	
V.Mining Plan34.The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall beNoted.35.The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall beNoted.		working without personal protective equipment.	
<ul> <li>34. The Project Proponent shall adhere to approved mining plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be</li> <li>34. The Project Proponent shall adhere to approved mining Noted.</li> <li>Noted.</li> <li>Noted.</li> </ul>	٧.	Mining Plan	
<ul> <li>plan, inter alia, including total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life schell bo</li> </ul>	34.	The Project Proponent shall adhere to approved mining	Noted.
<ul> <li>mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be</li> </ul>		plan, inter alia, including total excavation (quantum of	Mining operation could not commence
<ul> <li>etc.); mining technology; lease area; scope of working (viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be</li> </ul>		mineral, waste, over burden, inter burden and top soil	due to onset of monsoon.
<ul> <li>(viz. method of mining, overburden &amp; dump management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as a stage scheme ascheme as well as a stage scheme as well as a stage scheme as</li></ul>		etc.): mining technology: lease area: scope of working	Mining Operations will be carried out in
<ul> <li>management, O.B &amp; dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as a stage scheme as a stage scheme as well as a stage scheme as well as a stage scheme as well as a stage scheme ascheme as well as a stage scheme as well as a stage scheme as</li></ul>		(viz method of mining overburden & dump	accordance with the approved mining
<ul> <li>transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life scheme a</li></ul>		management. O.B & dumn mining mineral	plan.
<ul> <li>concurrent reclamation and reclamation at mine closure;</li> <li>land-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be</li> </ul>		transportation mode ultimate denth of mining	
<ul> <li>and-use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.</li> <li>35. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as a statement of the scheme as well as at the end-of-life shall be mining scheme as well as at the end-of-life shall be mining scheme as well as a statement of the scheme as a statement of the scheme as well as a statement of the scheme as well as a statement of the scheme as</li></ul>		concurrent reclamation and reclamation at mine closure	
and use of the mine lease area at various stages of mining scheme as well as end-of-life; etc.         35.       The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be		land-use of the mine lease area at various stages of	
35. The land-use of the mine lease area at various stages of <b>Noted.</b>		mining scheme as well as end-of-life; etc	
mining scheme as well as at the end-of-life shall be	25	The land-use of the mine lease area at various stages of	Noted
	55.	mining scheme as well as at the end of life shall be	

Sr.	Conditions	Compliance
	governed as per the approved Mining Plan. The	Mining operation and reclamation-
	excavation vis-a-vis backfilling in the mine lease area and	rehabilitation of mined out area will be
	area shall be governed as per approved mining plan PP	carried out in accordance with the
	shall ensure the monitoring and management of	
	rehabilitated areas until the vegetation becomes self-	
	sustaining. The compliance status shall be submitted half-	
	yearly to the MoEFCC and its concerned Regional Office.	
VI.	Land reclamation	
36.	The Overburden (O.B.) generated during the mining	Noted.
	operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.	There is no dump formation during this compliance period. OB/waste excavated will be dumped temporarily as it will be simultaneously used for preparation of ramp & platform for crusher and backfilling. However, physical parameters of the OB dumps will be maintained as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S. Top soil will be dumped temporarily at northeastern side of the ML area and will be used for land reclamation and plantation. There will not be any dumps at concentual stage
37.	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	Noted. No dump has been formed during this compliance period. As per the approved mining plan, there will be temporary dumps as OB/waste will be simultaneously used for backfilling and topsoil will be simultaneously used for greenbelt/plantation in safety barrier and for topping of backfilled area. However, all recommended measures for stability of dumps as & when developed such as slope, height and terrace of dumps, construction of garland drains & retaining walls etc. will be undertaken as per approved mining plan and guidelines of DGMS.
38.	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The	<b>Noted.</b> As mentioned above that as per Approved Mining Plan, protective measures such as Garland drains along with settling tanks, siltation ponds,

Sr.	Conditions	Compliance
	collected water should be utilized for watering the mine	retaining walls etc. will be constructed
	area, roads, green belt development, plantation etc. The	at base of dumps to arrest silt &
	drains/ sedimentation sumps etc. shall be de-silted	sediments.
	regularly, particularly after monsoon season, and	
	maintained properly.	
39.	Check dams of appropriate size, gradient and length shall	Noted.
	be constructed around mine pit and OB dumps to prevent	
	storm run-off and sediment flow into adjoining water	
	bodies. A safety margin of 50% shall be kept for designing	
	of sump structures over and above peak rainfall (based	
	on 50 years data) and maximum discharge in the mine	
	and its adjoining area which shall also help in providing	
	adequate retention time period thereby allowing proper	
	settling of sediments/ silt material. The sedimentation	
	pits/ sumps shall be constructed at the corners of the	
	garland drains.	
VII.	Transportation	
40.	No Transportation of the minerals shall be allowed in case	Noted.
	of roads passing through villages/ habitations. In such	Limestone from the mine shall be
	cases, PP shall construct a 'bypass' road for the purpose	transported to the interlinked cement
	of transportation of the minerals leaving an adequate gap	project by covered conveyor belt.
	(say at least 200 meters) so that the adverse impact of	
	sound and dust along with chances of accidents could be	
	mitigated. All costs resulting from widening and	
	strengthening of existing public road network shall be	
	borne by the PP in consultation with nodal State Govt.	
	Department. Transportation of minerals through road	
	movement in case of existing village/ rural roads shall be	
	allowed in consultation with nodal State Govt.	
	Department only after required strengthening such that	
	the carrying capacity of roads is increased to handle the	
	traffic load. The pollution due to transportation load on	
	the environment will be effectively controlled and water	
	sprinkling will also be done regularly. Vehicular emissions	
	shall be kept under control and regularly monitored.	
	Project should obtain Pollution Under Control (PUC)	
	certificate for all the vehicles from authorized pollution	
	testing centers. [If applicable in case of road transport].	
41.	The Main haulage road within the mine lease should be	Noted.
	for dust suppression. Other reads within the mine lass	currently, water tankers are nired as
	for oust suppression. Other roads within the mine lease	and when required as the mining
	should be welled regularly with tanker-mounted Water	development and not corride out an
	sprinking system. The other areas of dust generation like	regular basis With the advancement of
	crushing zone, material transfer points, material yards	mining operation all the measure
	arrangements. The air pollution control equipments like	chall be implemented as not the
	han angements. The air polition control equipments like	provisions of EMD given in ELA/EMD
	bag inters, vacuum suction noods, dry togging system etc.	provisions of EIVIP given in EIA/EMP
	shall be installed at crushers, belt-conveyors and other	report to control fugitive dust

Sr.	Conditions	Compliance
	areas prone to air pollution. The belt conveyor should be	emissions such as permanent water
	fully covered to avoid generation of dust while	sprinkling arrangement at the main
	transportation. PP shall take necessary measures to avoid	haulage road , Bag filters will be
	generation of fugitive dust emissions.	Installed at crusher and transfer points
		convoyor bolt otc
VIII	Green Belt	
42	The Project Proponent shall develop greenhelt in 7.5m	Noted
	wide safety zone all along the mine lease boundary as per	The mining activities is currently
	the guidelines of CPCB in order to arrest pollution	limited to initial mine development and
	emanating from mining operations within the lease. The	land purchase as Mining operation
	whole Green belt shall be developed within first 5 years	could not be commenced due to onset
	starting from windward side of the active mining area.	of monsoon. Safety barrier (No mining
	The development of greenbelt shall be governed as per	zone) of 7.5m is demarcated all along
	the EC granted by the Ministry irrespective of the	the ML boundary and soon after, land
	stipulation made in approved mine plan.	development activities and land
		purchase, greenbelt will be developed
		as per guidelines of CPCB and as per
43	The Project Proponent shall carryout plantation/	Noted
	afforestation in backfilled and reclaimed area of mining	No major mining activities have been
	lease, around water body, along the roadsides, in	undertaken after grant of EC & CTO
	community areas etc. by planting the native species in	except the initial land development
	consultation with the State Forest Department/	and land purchase. Consultation with
	Agriculture Department/ Rural development	DFO, Satna is in progress for
	department/ Tribal Welfare Department/ Gram	development of greenbelt/plantation.
	Panchayat such that only those species be selected which	Letter submitted to the concerned DFO
	are of use to the local people. The CPCB guidelines in this	was already attached to the previous
	should be around 2500 sanlings per Hectare. Adequate	Compliance report.
	budgetary provision shall be made for protection and	
	care of trees.	
44.	The Project Proponent shall make necessary alternative	No grazing land falls within ML area.
	arrangements for livestock feed by developing grazing	
	land with a view to compensate those areas which are	
	coming within the mine lease. The development of such	
	grazing land shall be done in consultation with the State	
	Government. In this regard, Project Proponent should	
	essentially implement the directions of the Hon ble	
	Supreme Court with regard to acquisition of grazing land.	
	mid-day shelter from the scorching sun should be	
	scrupulously guarded/ protected against felling and	
	plantation of such trees should be promoted.	
IX.	Public hearing and human health issues	·
45.	Project Proponent shall make provision for the housing	Noted.
	for workers/labors or shall construct labor camps	The mining operation is limited to
	within/outside (company owned land) with necessary	initial land development and land

Sr.	Conditions	Compliance		
	basic: infrastructure/ facilities like fuel for cooking,	purchase during this compliance		
	mobile toilets, mobile STP, safe drinking water, medical	period.		
	health care, creche for kids etc. The housing may be	Being mining project, no majo		
	provided in the form of temporary structures which can	construction will be done except mines		
	be removed after the completion of the project related	office, crusher etc. As local people will		
	infrastructure. The domestic waste water should be	be engaged during construction and		
	treated with SIP in order to avoid contamination of	operation phase, provision for housing		
	underground water.	However, all passesson facilities will be		
		nowever, an necessary facilities will be		
		Currently mining activities are being		
		carried out intermittently with limited		
		manpower At present it is regulated		
		by a remote office outside the ML area		
		having all infrastructure facilities.		
		Therefore, it is proposed to install		
		portable Bio-toilets at the site to cater		
		to the requirement. During later years		
		when the mine will be operating at full		
		capacity, domestic waste water will		
		treated in proposed STP and treat		
		water will be used for plantation		
v	Cornerate Environment Responsibility (CER)	purpose.		
<b>X.</b>	The Project Proponent shall submit the time bound	Time bound action plan was prepared		
40.	action plan to the concerned regional office of the	as per MoEF&CC Office Memorandum		
	Ministry within 6 months from the date of issuance of	No.22-65/2017-IA. III dated 30		
	environmental clearance for undertaking the activities	September, 2020 and submitted during		
	committed during public consultation by the project	grant of EC. Time bound action plan		
	proponent and as discussed by the EAC, in terms of the	with budgetary provisions is already		
	provisions of the MoEF&CC Office Memorandum No.22-	submitted with the previous		
	65/2017-IA. III dated 30 September, 2020. The action plan	Compliance report. Copy of submission		
	shall be implemented within three years of	of the same to RO, MOEFCC dated		
	commencement of the project.	01.12.2021 was attached already with		
		previous Compliance report.		
		development and land nurshase. It will		
		be undertaken as per the Action Plan		
		submitted.		
XI.	Miscellaneous			
47.	The Project Proponent shall prepare digital map (land use	Noted.		
	& land cover) of the entire lease area once in five years			
	purpose of monitoring land use pattern and submit a			
<u> </u>	report to concerned Regional Office of the MoEF&CC.			
48.	The Project Authorities should inform to the Regional	Noted.		
	Office regarding date of financial closures and final			
	approval of the project by the concerned authorities and			
	the date of start of land development work.			

Sr.	Conditions	Compliance
49.	The Project Proponent shall submit six monthly compliance reports on the status of the implementation	Noted.
	of the stipulated environmental safeguards to the	
	MOEFCC & its concerned Regional Office, Central	
	Pollution Control Board and State Pollution Control Board	
50.	A separate 'Environmental Management Cell' with	Noted.
	suitable qualified manpower should be set up under the	
	control of a Senior Executive. The Senior Executive shall	
	directly report to Head of the Organization. Adequate	
	number of qualified Environmental Scientists and Mining	
51.	The concerned Regional Office of the MoEF&CC shall	Noted.
	randomly monitor compliance of the stipulated	
	conditions. The project authorities should extend full	
	cooperation to the MoEF&CC officer(s) by furnishing the	
	requisite data / information/ monitoring reports.	
52.	In pursuant to Ministry's O.M No 22-34/2018-IA.111	Noted.
	Hon'ble Supreme Court on 8.01 2020 in W.P. (Civil) No.	
	114/2014 in the matter Common Cause vs Union of India,	
	the mining lease holder shall after ceasing mining	
	operations, undertake regrassing the mining area and any	
	other area which may have been disturbed due to other	
	mining activities and restore the land to a condition which	
<b>F</b> 2	Is fit for growth of fodder, flora, fauna etc.	Notod
53.	alter/modify the above conditions or stinulate any	Noted.
	further condition in the interest of environment	
	protection.	
54.	Concealing factual data failure to comply with any or	Noted.
	submission of false/ fabricated data and of the conditions	
	mentioned above may result in withdrawal of this	
	clearance and attract action under the provisions of	
	Environment (Protection) Act, 1986.	

<u>Annexure-I</u>

### Photographs showing Plantation in Janrdanpur-Patarhai-Bairiha Mine:



### Plantation Details:

Dalmia Cement Bharat Limited					
Janardanpur-Patrahi-Bairiha Limestone Mine					
Sr. No. Name of Tree No. of Sapplings					
1	Jamun	20			
2	Karanj	260			
Total		280			



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com



### GSTIN:09AARFG5353K1ZS

TEST REPORT (Ambient Air)

Report No.: GECRC/A/22/0	Date: 19.09.2022		
Name & Address of Party	<b>M/s Da</b> (Janardanpu Ran		
<b>Client Representative</b>		Sample Description	Ambient Air Sample
(Name & Designation)	Mr. Dinesh Dixit	Sample Number	GECRC/A/22/09/12/07
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor) Format No.		7.5 F-02
Sampling Location	Bairiha mine site (SAN 1) Party Ref. No		-
Date of Monitoring	06.09.2022 to 07.09.2022	Receipt Date	12.09.2022
Time of Monitoring	1344 min.	Latitude	24.57126°
Scope of Monitoring	Environmental Monitoring	Longitude	81.058969°
Instrument calibration status	Calibrated	Ambient Temperature - Ta (°C)	29
Surrounding activity	-	Meteorological Condition	Clear Sky
Parameter Required	PM10, PM2.5, NO2, SO2, CO, O3, NH3	Control measure if any	No Any
Instrument Used	RDS, FPS, Gaseous Sampler, CO Meter	Protocol Used	IS:5182 & CPCB Guidelines
Instrument code	GECRC/EQP/22, GECRC/EQP/25, GECRC/EQP/26, GECRC/EQP/25(a)		

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter(PM10)	IS-5182 (Part-23)	73.3	μg/m <sup>3</sup>	100
2.	Particulate Matter(PM <sub>2.5</sub> )	GECRC/AIR/TP/05	36.7	μg/m³	60
3.	Nitrogen dioxide(NO2)	IS: 5182 (Part-6)	19.3	μg/m <sup>3</sup>	80
4.	Sulphur dioxide(SO <sub>2</sub> )	IS: 5182 (Part-2)	7.9	μg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	, 04
		IC. E102 (Dest 0)	10.2	ug/m2	180 (For 1 Hrs.)
6.	$Uzone(U_3)$	15: 5182 (Part-9)	10.5	μg/IIIS	100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	17.0	μg/m3	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)] Checked by:

Authorized Signatory eyenno

Name: Raj Kumar Designation: Technical Manager

Note:

- \*\*\*\*End of the Report\*\*\*\*
- 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- 2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- 3. Any discrepancy in test result should be reported within 15days.
- 4. The above Results are related to the tested Sample Only.

ISO 9001:2015 Certified



Page1 |1

## Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

### TEST REPORT (Ambient Air)

Date: 19.09.2022 Report No.: GECRC/N/A/22/09/19/007 M/s Dalmia Cement Bharat Limited (Janardanpur-Patarhai-Bairiha Limestone mine) **Name & Address of Party** Rampur Baghelan, Satna (MP.) **Client Representative Sample Description Ambient Air Sample** Mr. Dinesh Dixit (Name & Designation) Mr. Sanjay Kumar Yadav **Sample Collected by** Sample Number GECRC/A/22/09/12/07 (Field Supervisor) (Name & Designation) 7.5 F-02 **Sampling Location** Bairiha mine site (SAN 1) Format No. **Date of Monitoring** 06.09.2022 to 07.09.2022 Party Ref. No 1344 min. **Receipt Date** 12.09.2022 **Time of Monitoring** Latitude 24.57126° **Environmental Monitoring Scope of Monitoring** 81.058969° Longitude Calibrated Instrument calibration status **Ambient Temperature - Ta** 29 Surrounding activity (°C) **Meteorological Condition Clear Sky** As, C6H6, BaP, Ni, Pb **Parameter Required** IS:5182 & CPCB Guidelines **Protocol Used Control measure if any** No Any

### RESULTS

S No	Doromotor	Method of Test	Result	Unit	Standards
5. NU.	Falanteter	Method of Test	Result	Ome	Juinut us
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C6H6)	IS: 5182 (Part-11)	<1.0	μg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrine (BaP)	IS: 5182 (Part-12)	< 0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	< 0.05	$\mu g/m^3$	For 24 Hrs. = 5

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (1)]

Checked by: Qurobh

Amhorized Signatory sum 0

Name: Raj Kumar Designation: Technical Manager

\*\*\*\*End of the Report\*\*\*\*

Note:
 This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.

- 2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- 3. Any discrepancy in test result should be reported within 15days.
- 4. The above Results are related to the tested Sample Only.





2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com GSTIN:09AARFG5353K1ZS

### **TEST REPORT** (Ambient Air)

Date: 19.09.2022 Report No.: GECRC/A/22/09/19/008 M/s Dalmia Cement Bharat Limited (Janardanpur-Patarhai-Bairiha Limestone mine) Name & Address of Party Rampur Baghelan, Satna (MP.) **Ambient Air Sample Sample Description Client Representative** Mr. Dinesh Dixit (Name & Designation) Sample Number GECRC/A/22/09/12/08 Mr. Sanjay Kumar Yadav Sample Collected by Format No. 7.5 F-02 (Field Supervisor) (Name & Designation) Party Ref. No **Sampling Location** Village Sakarwat (SAN 10) 06.09.2022 to 07.09.2022 12.09.2022 **Receipt Date Date of Monitoring** Latitude **Time of Monitoring** 1332 min. Longitude **Environmental Monitoring** ..... **Scope of Monitoring** 29 Ambient Temperature - Ta (°C) Calibrated Instrument calibration status **Meteorological Condition** Clear Sky Surrounding activity **Control measure if any** No Any PM10, PM2.5, NO2, SO2, CO, O3, NH3 **Parameter Required** RDS, FPS, Gaseous Sampler, CO Meter Protocol Used IS:5182 & CPCB Guidelines **Instrument Used** GECRC/EQP/22, GECRC/EQP/24, GECRC/EQP/27, GECRC/EQP/24(a) Instrument code

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Particulate Matter(PM10)	IS-5182 (Part-23)	70.4	μg/m <sup>3</sup>	100
2.	Particulate Matter(PM <sub>2.5</sub> )	GECRC/AIR/TP/05	35.6	μg/m <sup>3</sup>	60
3.	Nitrogen dioxide(NO <sub>2</sub> )	IS: 5182 (Part-6)	19.5	μg/m <sup>3</sup>	- 80
4.	Sulphur dioxide(SO <sub>2</sub> )	IS: 5182 (Part-2)	8.5	μg/m <sup>3</sup>	80
5.	Carbon Mono Oxide (CO)	GECRC/AIR/TP/07	BDL (<1.15)	Mg/m <sup>3</sup>	04
6.	Ozone (O <sub>3</sub> )	IS: 5182 (Part-9)	17.1	µg/m3	180 (For 1 Hrs.) 100 (For 8 Hrs.)
7.	Ammonia (NH <sub>3</sub> )	IS: 5182 (Part-25)	16.6	µg/m3	400

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)] Authorized Signatory **Checked by:** 

Rimoby

### \*\*\*\*End of the Report\*\*\*\*

- 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. 2.
- Any discrepancy in test result should be reported within 15days. 3.
- The above Results are related to the tested Sample Only. 4.

ISO 9001:2015 Certified

Note:



Page1 |1

Kunol

**Designation:** Technical Manager

Name: Raj Kumar

**Global Environmental Consultancy And Research Centre** 

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

### TEST REPORT (Ambient Air)

Report No.: GECRC/N/A/22/09/19/008 Date: 19.09.2022 M/s Dalmia Cement Bharat Limited Name & Address of Party (Janardanpur-Patarhai-Bairiha Limestone mine) Rampur Baghelan, Satna (MP.) **Client Representative** Mr. Dinesh Dixit **Sample Description Ambient Air Sample** (Name & Designation) **Sample Collected by** Mr. Sanjay Kumar Yadav **Sample Number** GECRC/A/22/09/12/08 (Name & Designation) (Field Supervisor) **Sampling Location** Village Sakarwat (SAN 10) Format No. 7.5 F-02 **Date of Monitoring** 06.09.2022 to 07.09.2022 Party Ref. No **Time of Monitoring** 1332 min. **Receipt Date** 12.09.2022 **Scope of Monitoring Environmental Monitoring** Latitude Instrument calibration status Calibrated Longitude **Ambient Temperature - Ta** Surrounding activity 29 (°C) **Parameter Required** As, C<sub>6</sub>H<sub>6</sub>, BaP, Ni, Pb **Meteorological Condition Clear Sky Control measure if any Protocol Used** No Any IS:5182 & CPCB Guidelines

### RESULTS

S. No.	Parameter	Method of Test	Result	Unit	Standards
1.	Arsenic (As)	IS: 5182 (Part-23)	<1.0	ng/m <sup>3</sup>	For Annual = 06
2.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS: 5182 (Part-11)	<1.0	μg/m <sup>3</sup>	For 24 Hrs. = 5
3.	Benzo (a) Pyrine (BaP)	IS: 5182 (Part-12)	< 0.05	ng/m <sup>3</sup>	For Annual = 01
4.	Nickel (Ni)	IS: 5182 (Part-26)	<1.0	ng/m <sup>3</sup>	For Annual = 20
5.	Lead (Pb)	IS: 5182 (Part-22)	< 0.05	μg/m <sup>3</sup>	For 24 Hrs. = 5

NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3 (I)] **Checked by:** 

Quiable

Authorized Signatory O1

Name: Raj Kumar **Designation:** Technical Manager

#### Note<sub>2</sub>

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.

\*\*\*\*End of the Report\*\*\*\*

- 2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 15days. 3.
- The above Results are related to the tested Sample Only. 4.



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com GSTIN:09AARFG5353K1ZS

# TC-8336

### **TEST REPORT** (Noise Quality)

Date: 19.09.2022

Report No.: GECRC/N/22/0	9/19/015		Date: 19.09.2022		
Name & Address of Party	M/s Dalmia Cement Bharat Limited (Janardanpur-Patarhai-Bairiha Limestone mine) Rampur Baghelan, Satna (MP.)				
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample Description	Ambient Noise Sample		
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/22/09/12/015		
Sampling Location	Bairiha mine site (SAN 1)	Format No.	7.5 F-04		
Date of Monitoring	06.09.2022 to 07.09.2022	Party Ref. No	Ξ.		
Time of Monitoring	24 Hrs.	Receipt Date	12.09.2022		
Scope of Monitoring	Environmental Monitoring	Latitude	24.57126°		
Instrument Used	Noise Meter	Longitude	81.058969°		
Instrument code	GECRC/EQP/02	Ambient Temperature - Ta (°C)	29		
Instrument calibration status	Calibrated	<b>Meteorological Condition</b>	Clear Sky		
Sampling Duration	24 Hrs.	Control measure if any	No any		
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines		

### RESULTS

### All Values in dB (A)

S. No.	Parameters	Unit	Results	Noise pollution (Regulation And Control) Rules,2000	Method
1.	L <sub>min</sub>	dB(A)	32.0	-	IS:9989-1981
2.	L <sub>max</sub>	dB(A)	59.7	-	IS:9989-1981
3.	Leq day	dB(A)	48.0	75 dB(A)	IS:9989-1981
4.	Leq night	dB(A)	39.3	70 dB(A)	IS:9989-1981
5.	Ldn	dB(A)	44.7	_	IS:9989-1981

Checked by: Surobhi

Note:

**Authorized Signatory** MAN Name Raj Kumar Designation: Technical Manager

\*\*\*\*End of the Report\*\*\*\*

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not 1. be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. 2.
- Any discrepancy in test result should be reported within 15days. 3.
- The above Results are related to the tested Sample Only. 4.

### ISO 9001:2015 Certified



Page1 | 1



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com GSTIN:09AARFG5353K1ZS



### TEST REPORT (Noise Quality)

Report No.: GECRC/N/22/09/19/016

Date: 19.09.2022

Report No. abara/ N/22/0	7/17/010				
Name & Address of Party	M/s Dalmia Cement Bharat Limited (Janardanpur-Patarhai-Bairiha Limestone mine) Rampur Baghelan, Satna (MP.)				
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample Description	Ambient Noise Sample		
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Sample Number	GECRC/N/22/09/12/016		
Sampling Location	Village Sakarwat (SAN 10)	Format No.	7.5 F-04		
Date of Monitoring	06.09.2022 to 07.09.2022	Party Ref. No			
Time of Monitoring	24 Hrs.	Receipt Date	12.09.2022		
Scope of Monitoring	Environmental Monitoring	Latitude	-		
Instrument Used	Noise Meter	Longitude	-		
Instrument code	GECRC/EQP/03	Ambient Temperature - Ta (°C)	28		
Instrument calibration status	Calibrated	<b>Meteorological Condition</b>	Clear Sky		
Sampling Duration	24 Hrs.	Control measure if any	• No any		
Parameter Required	Lmin, Lmax, Leq day, Leq night, Ldn	Protocol Used	IS: 9989-1981 & CPCB Guidelines		

### RESULTS

#### All Values in dB (A) **Noise pollution (Regulation** Results Method Unit S. No. Parameters And Control) Rules,2000 IS:9989-1981 dB(A) 28.3 1. Lmin IS:9989-1981 65.2 2. L<sub>max</sub> dB(A) \_ IS:9989-1981 48.4 75 dB(A) 3. Leq day dB(A)IS:9989-1981 dB(A) 39.2 70 dB(A) 4. Leq night 15:9989-1981 Ldn dB(A) 44.5 5.

**Authorized Signatory** 

ama Name: Raj Kumar

**Designation**: Technical Manager

### Note:

**Checked by:** 

### \*\*\*\*End of the Report\*\*\*\*

- 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- 2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- 3. Any discrepancy in test result should be reported within 15days.
- 4. The above Results are related to the tested Sample Only.

ISO 9001:2015 Certified



Burobh

Page1 |1



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com

### GSTIN:09AARFG5353K1ZS

TC-8336

TEST REPORT

Report No: GECR	C/W/22/09/19/005	Reporting Da	te; 19.09.2022	
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Janardanpur- Patarhaí – Bairiha Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Ground Water	
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample	GECRC/W/22/09/12/005	
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01	
Sampling Location	Bairiha mine site (SGWS1)	Party Ref No	NA	
Sampling Date	05.09.2022	Receipt Date	12.00.2022	
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	12.09.2022	
Type of Sampling	Grab	Longitude		
Sample Quantity	01 Liter	Preservation	Vac	
Parameter Required	PH, Turbidity, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate. Nitrate. Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	IS:3025(Part-1)	

S. No.	Parameter	Unit	Method	Bocult	Specificatio	n IS:10500:2012
1			internou	Result	Acceptable Limit	Permissible Limit
1	рн		IS: 3025 (Part-11)	7.43	6.5-8,5	No Relaxation
2	Conductivity	μS/cm	IS: 3025 (Part-14)	617.0		
3	Turbidity	NTU	IS: 3025 (Part-10)	< 0.5	1.0 •	5.0
4	Total Dissolved Solids	mg/l	IS: 3025 (Part-16)	380.0	500.0	2000.0
5	<ul> <li>Total Solids</li> </ul>	mg/l	IS: 3025 (Part-15)	400.0		2000.0
6	Total Alkalinity	mg/l	IS: 3025 (Part-23)	345.0	200.0	600.0
7	Total Hardness	mg/l	IS: 3025 (Part-21)	400.0	200.0	600.0
8	Calcium Hardness	mg/l	IS: 3025 (Part-40)	240.0	200.0	000.0
9	Magnesium Hardness	mg/l	IS: 3025 (Part-46)	160.0		
10	Calcium	mg/l	IS: 3025 (Part-40)	96.0	75.0	2000
11	Magnesium	mg/l	IS: 3025 (Part-46)	38.0	30.0	200.0
12	Chloride	mg/l	IS: 3025 (Part-32)	24.0	250.0	100.0
13	Sulphate	mg/l	IS: 3025 (Part-24)	101.0	200.0	1000.0
14	Nitrate	mg/l	IS: 3025 (Part-34)	20.0	45.0	No Polavation
15	Iron	mg/l	IS: 3025 (Part-53)	0.26	0.2	No Relaxation
16	Fluoride	mg/l	IS: 3025 (Part-60)	0.20	1.0	No Relaxation
17	COD	mg/l	IS: 3025 (Part-58)	<4.0	1.0	1.5
18	BOD	mg/l	IS: 3025 (Part-44)	<2.0		
19	DO	mg/l	IS : 3025 (Part-38)	4.5		
20	Oil & Grease	mg/l	IS: 3025 (Part-39)	<0.5		
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	< 0.003	0.05	No Relavation

\*\*\*\*End of the Report\*\*\*\*

Checked by

Authorized Signatory: 0 Jeykun Name: Raj Kumar G. E. C. Designation: Technical Manager

Note.

This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and 1.

- Should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. 2.
- Any discrepancy in test result should be reported within 15 Days. 3.
- The results relate to the item sampled and tested. 4.



Page01/01

**Global Environmental Consultancy And Research Centre** 

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory **Accredited by NABL** 

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

Report No: GECRC/N/W	TEST REPORT (Water) /22/09/19/005	Reporting Da	ite: 19.09.2022	
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Janardanpur- Patarhai – Bairiha Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Ground Water	
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample	GECRC/W/22/09/12/005	
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01	
Sampling Location	Bairiha mine site (SGWS1)	Party Ref. No	NA	
Sampling Date	05.09.2022	Receipt Date	12.09.2022	
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude		
Type of Sampling	Grab	Longitude		
Sample Quantity	01 Liter	Preservation	Yes	
Parameter Required	Phosphate , Zinc, MPN, Coliform	Protocol Used	IS:3025(Part-1)	

#### RESULTS

S. No. Parameter		Unit	Method Result		sult Specification IS:10500:2012	
					Acceptable Limit	Permissible Limit
1	Phosphate	mg/l	IS : 3025 (Part-11)	<5.0		
2	Zinc	mg/l	IS : 302 <mark>5</mark> (Part-49)	<5.0	5	15
3	Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit, Checked by:

Authorized Signatory Name Raj Kumar G.E.C Designation: Technical Manager

#### Note.

\*\*\*\*End of the Report\*\*\*\*

17. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and

Should not be used in any advertising media without our special permission in writing.

18. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.

19. Any discrepancy in test result should be reported within 15 Days.

20. The results relate to the item sampled and tested.

Page01/01



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com GSTIN:09AARFG5353K1ZS



TEST REPORT

	(water)			
Report No: GECR	C/W/22/09/19/006	Reporting Date: 19.09.2022		
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Janardanpur- Patarhai - Bairiha Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Ground Water	
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample Number	GECRC/W/22/09/12/006	
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01	
Sampling Location	Village Bairiha (SGWS6)	Party Ref. No	NA	
Sampling Date	05.09.2022	Receipt Date	12.09.2022	
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude		
Type of Sampling	Grab	Longitude		
Sample Quantity	01 Liter	Preservation	Yes	
Parameter Required	PH, Turbidity, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate. Nitrate. Iron, Fluoride. COB. BOD. DO. Oil & Grease. Total Chromium	Protocol Used	IS:3025(Part-1)	

					Specificatio	on IS:10500:2012
S. No.	Parameter	Unit	Method	Result	Acceptable Limit	Permissible Limi
1	рН	-	IS: 3025 (Part-11)	7.48	6.5-8.5	No Relaxation
2	Conductivity	μS/cm	IS: 3025 (Part-14)	806.0		
3	Turbidity	NTU	IS: 3025 (Part-10)	< 0.5	1.0	5.0
4	Total Dissolved Solids	mg/l	IS: 3025 (Part-16)	380.0	500.0	2000.0
5	Total Solids	mg/l	IS: 3025 (Part-15)	400.0		
6	Total Alkalinity	mg/l	IS: 3025 (Part-23)	345.0	200.0	600.0
7	Total Hardness	mg/l	IS: 3025 (Part-21)	400.0	200.0	600.0
8	Calcium Hardness	mg/l	IS: 3025 (Part-40)	240.0	-	
9	Magnesium Hardness	mg/l	IS: 3025 (Part-46)	160.0	-	*
10	Calcium	mg/l	IS: 3025 (Part-40)	96.0	75.0	200.0
11	Magnesium	mg/l	IS: 3025 (Part-46)	38.9	30.0	100.0
12	Chloride	mg/l	IS: 3025 (Part-32)	24.0	250.0	1000.0
13	Sulphate	mg/l	IS: 3025 (Part-24)	101.0	200.0	400.0
14	Nitrate	mg/l	IS: 3025 (Part-34)	20.0	45.0	No Relaxation
15	lron	mg/l	IS: 3025 (Part-53)	0.26	0.3	No Relaxation
16	Fluoride	mg/l	IS: 3025 (Part-60)	0.7	1.0	· 1.5
17	COD	mg/l	IS: 3025 (Part-58)	<4.0	41	4
18	BOD	mg/l	IS: 3025 (Part-44)	<2.0	4	
19	DO	mg/l	IS: 3025 (Part-38)	4.5		
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	<0.5	-	-
21	Total Chromium	mg/l	IS: 3025 (Part - 52)	< 0.003	0.05	No Relaxation

BDL = Below Detection Limit,

Checked by

\*\*\*\*End of the Report\*\*\*\*

Note. 1.

This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. 2.

Any discrepancy in test result should be reported within 15 Days. 3.

4. The results relate to the item sampled and tested.

### ISO 9001:2015 Certified



Page01/01

E.C.

Authorized Signatory eyouno

Designation: Technical Manager

Name: Raj Kumar

# **Global Environmental Consultancy And Research Centre**

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

Pepert No: GECRC/N/W	TEST REPORT (Water)	Reporting Dat	te: 19.09.2022
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Janardanpur- Patarhai – Bairiha Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Ground Water
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample Number	GECRC/W/22/09/12/006
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
SamplingLocation	Village Bairiha (SGWS6)	Party Ref. No	NA
Sampling Date	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Grab	Longitude	4
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, MPN, Coliform	Protocol Used	IS:3025(Part-1)

### RESULTS

S. No. Parameter	Parameter	Unit	Method	Result	Specificatio	on IS:10500:2012
	Farameter	Unit			Acceptable Limit	Permissible Limit
1	Phosphate	mg/l	IS : 3025 (Part-11)	<5.0		
2	Zinc	mg/l	IS : 302 <mark>5 (</mark> Part-49)	<5.0	5	15
3	Coliform	MPN/100ml	IS : 1622 :1981	Absent	Absent	Absent

BDL = Below Detection Limit,

Checked by:

whorized Signatory LWM G.E.C Raj Kumar Designation: Technical Manager

Note.

\*\*\*\*End of the Report\*\*\*\*

This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and 1.

- Should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. 2.
- Any discrepancy in test result should be reported within 15 Days. 3.
- The results relate to the item sampled and tested. 4.

Page01/01



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com

### GSTIN:09AARFG5353K1ZS



### TEST REPORT (Soil)

Report No: GECRC/S/22/09	0/19/028		
	M/DII	Reportir	ng Date: 19.09.2022
Name & Address of Party	M/S Dalmia Cement Bharat Limited, Janardanpur- Patarhai – Bairiha Limestone Mine) Rampur Baghelan , satna, M. P	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Nagarjuna chari	Sample Number	GECRC/S/22/09/12/028
Sample Collected by (Name & Designation)	<b>Mr. Sanjay Kumar Yadav</b> (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Village Bairiha	Party Pof No	N
Sampling Date	05.09.2022	Party Kel. No	NA
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Receipt Date	12.09.2022
Type of Sampling	Composite	Latitude	4 <del>-</del>
Sample Quantity	composite	Longitude	
	UI Kg	Preservation	2 Yes
Parameter Required	рн , EC, Organic matter , Phosphorous , Potassium	Protocol Used	IS:3025(Part-1)

### RESULTS

S. No.	Parameters	Unit	Test Method	Results
1	рН	-	IS : 2720 (Part -26)	7.70
2	Electrical Conductivity	(mS/cm)	IS : 14767 : 2000	0.576
3	Organic matter	%	IS : 2720 (Part -22)	1 1 2 1
4	Phosphorous	mg/kg	GECRC/SOIL/TP/14	14.0
5	Potassium	mg/kg	IS : 9497 :2005	0.2
Checked b	¥7.			7.4

Checked by:

### Authorized Signatory:

Name: Raj Kumar Designation: Technical Manager

### Note:

### \*\*\*\*End of the Report\*\*\*\*

This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and 1.

- Should not be used in any advertising media without our special permission in writing. 2.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. 3.
- Any discrepancy in test result should be reported within 15 Days. 4.

18001:2007 IN84699C

The results relate to the item sampled and tested.

Page01/01



## Global Environmental Consultancy And Research Centre

2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

	(Soil)		
Report No: GECRC/S/2	2/09/19/028	Reporting	Date: 19.09.2022
Name & Address of Party	<b>M/s Dalmia Cement Bharat Limited,</b> (Janardanpur- Patarhai – Bairiha Limestone Mine) Rampur Baghelan , satna, M. P.	Sample Description	Soil
Client Representative (Name & Designation)	Mr. Nagarjuna chari	Sample Number	GECRC/S/22/09/12/028
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Village Bairiha	Party Ref. No	NA
Sampling Date	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	
Type of Sampling	Composite	Longitude	
Sample Quantity	01 Kg	Preservation	Yes
Parameter Required	Particle Distribution , Water Holding Capacity, Free Ammonical Nitrogen, Cu, Pb, Cd, Cr <sup>6+</sup>	Protocol Used	IS:3025(Part-1)

TEST REPORT

### RESULTS

S. No.	Parameters	Unit	Test Method	Results
1	Particle Distribution	mm	IS: 2720 (Part 4)	2.0
2	Water Holding Capacity	%	IS:14765:2000	70.0
3	Free Ammonical Nitrogen	mg/kg	IS 14684:1999	23.0
4	Copper	mg/kg	IS : 440 :1964	< 0.1
5	Lead	mg/kg	IS : 440 :1964	< 0.1
6	Cadmium	mg/kg	GECRC/SOIL/TP/14	< 0.05
7	Hexavalent Chromium	mg/kg	GECRC/SOIL/TP/13	< 0.01

### BDL= BelowDetection Limit

Checked by: Dehole

Note.

Itancy An

#### \*\*\*\*End of the Report\*\*\*\*

- 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing.
- 2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- 3. Any discrepancy in test result should be reported within 15 Days.
- 4. The results relate to the item sampled and tested.

Page01/01

Designation: Technical Manager

G.E.C.

Authorized Signatory

Jey sing

Name: Raj Kuman



2/390 A,Vibhav Khand,Gomti Nagar, Lucknow-226010 Mob:+91-9454278891, 7607377997,8960040004, 8299682829 E-mail:infogecrc@gmail.com



### GSTIN:09AARFG5353K1ZS

	TEST REPORT (Surface Water)		
Report No: GECRC	/SW/22/09/19/026	Reporting Da	te: 19.09.2022
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Janardanpur- Patarhai – Bairiha Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample Number	GECRC/SW/22/09/12/026
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7,5 F-01 -
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	05.09.2022	Receipt Date	12.09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	
Type of Sampling	Grab	Longitude	
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	PH, Turbidity, TDS, TS, Total Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness, Calcium, Magnesium, Chloride, Sulphate. Nitrate. Iron, Fluoride, COD, BOD, DO, Oil & Grease, Total Chromium	Protocol Used	IS:3025(Part-1)

RESULTS				
S. No.	Parameter	Unit	Method	Result
1	рН		IS : 3025 (Part-11)	7.95
2	Conductivity	μS/cm	IS : 3025 (Part-14)	715.0
3	Turbidity	NTU	IS: 3025 (Part-10)	3.0
4	Total Dissolved Solids	mg/l	IS : 3025 (Part-16)	• 420.0
5	Total Solids	mg/l	IS : 3025 (Part-15)	440.0
6	Total Alkalinity	mg/l	IS : 3025 (Part-23)	205.0
7 .	Total Hardness	mg/l	IS : 3025 (Part-21)	315.2
8	Calcium Hardness	mg/l	IS: 3025 (Part-40)	181.8
9	Magnesium Hardness	mg/l	IS: 3025 (Part-46)	133.4
10	Calcium	mg/l	IS: 3025 (Part-40)	72.7
11	Magnesium	mg/l	IS: 3025 (Part-46)	32.4
12	Chloride	mg/l	IS : 3025 (Part-32)	12.0
13	Sulphate	mg/l	IS : 3025 (Part-24)	80.2
14	Nitrate	mg/l	IS : 3025 (Part-34)	8,0
15	lron	mg/l	IS: 3025 (Part-53)	0.09
16	Fluoride	mg/l	IS: 3025 (Part-60)	0.8
17	COD	mg/l	IS: 3025 (Part-58)	26.0
18	BOD	mg/l	IS: 3025 (Part-44)	7.5
19	DO	mg/l	IS : 3025 (Part-38)	6.6
20	Oil & Grease	mg/l	IS : 3025 (Part-39)	4.6
21	Total Chromium	mg/l	IS : 3025 (Part - 52)	0.08 CONSULTAT
Chec	ked by:			Authorized Signatory:

Checked by

#### \*\*\*\*End of the Report\*\*\*\*

Note. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and Should not be used in any advertising media without our special permission in writing. 1.

2.

- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
- 3. Any discrepancy in test result should be reported within 15 Days.

4. The results relate to the item sampled and tested.

ISO 9001:2015 Certified



Page01/01

cumo

Designation: Technical Manager

01 Nane: Raj Rumar

# **Global Environmental Consultancy And Research Centre**

2/390 A, Vibhav Khand, Gomti Nagar, Lucknow-226010 An ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015 Certified Laboratory Accredited by NABL

Mob:+91-9454278891, 8299682829, 7607377997 E-mail:infogecrc@gmail.com

	TEST REPORT (Surface Water)		
Report No: GECRC/N/	Reporting Date: 19.09.2022		
Name & Address of Party	M/s Dalmia Cement Bharat Limited, (Janardanpur- Patarhai – Bairiha Limestone Mine), Rampur Baghelan , satna, M. P.	Sample Description	Surface Water
Client Representative (Name & Designation)	Mr. Dinesh Dixit	Sample Number	GECRC/SW/22/09/12/026
Sample Collected by (Name & Designation)	Mr. Sanjay Kumar Yadav (Field Supervisor)	Format No.	7.5 F-01
Sampling Location	Mine Pit	Party Ref. No	NA
Sampling Date	05.09.2022	Receipt Date	12,09.2022
Sampling & Analysis Period	12.09.2022 to 19.09.2022	Latitude	-
Type of Sampling	Grab	Longitude	
Sample Quantity	01 Liter	Preservation	Yes
Parameter Required	Phosphate , Zinc, MPN, Coliform	Protocol Used	IS:3025(Part-1)

RESULTS S. No. Parameter Unit Method Result 1 Phosphate IS: 3025 (Part-11) mg/l 5.6 2 Zinc IS: 3025 (Part-49) mg/l < 5.0 3 MPN/100ml Coliform IS: 1622:1981 1400.0

BDL = Below Detection Limit,

Checked by: an

Authorized Signatory CU Name: Raik mar E.C Designation: Technical Manager

#### Note.

Itancy Ar

### \*\*\*\*End of the Report\*\*\*\*

- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and 1.
- Should not be used in any advertising media without our special permission in writing. 2.
- The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified, 3.
- Any discrepancy in test result should be reported within 15 Days.
- 4. The results relate to the item sampled and tested.

Page01/01