

RCC/ENV/ECC(Itoura M)/F-C1/2025

Date: 1<sup>st</sup> June 2025

To,  
**Ministry of Environment, Forest & Climate Change**  
Regional Office (Western Zone)  
Government of India  
“Kendriya Paryavaran Bhavan”  
Link Road No.3, E-5, Ravishankar Nagar  
Bhopal – 462016 (M.P.)

**Subject:** Itoura Limestone Mining with 0.8 MTPA capacity at villages Itoura, Bachwai, Karhi Pawai, Giduri, and Rewra with ML area -747.817 ha, Tehsil Raghurajnagar, Satna district, Madhya Pradesh by M/s. RCCPL Private Limited- Compliance Report.

Dear Sir,

This has reference to Environmental Clearance vide letter Environmental Clearance No.- No.- J-11015/16/2019.IA-II(M) dated 30th June 2023. We are submitting six monthly compliance reports along with this letter for your kind perusal.

We hope this is in order please.

Yours Faithfully,  
For **RCCPL PVT. LTD**



**P K Choudhary**  
Plant Head

CC:

**The Zonal Officer**  
Central Pollution Control Board  
Zonal Office (Central)  
3<sup>rd</sup> Floor, Sahkar Bhawan,  
North T.T. Nagar, Bhopal – 462 003

**The Regional Officer**  
MP Pollution Control Board, Katni  
District Katni (M.P.)

**The Director (Industry)**  
Ministry of Environment, Forest & Climate Change  
Vayu Wing, Indira Paryavaran Bhawan,  
Jor Bagh Road, Ali Ganj,  
Delhi-110 003



**Member Secretary**  
MP Pollution Control Board  
E-5, Arera Colony, Paryavaran Parisar  
Bhopal - 462016


S. N.	Conditions	Compliance
<b>A.</b>	<b>SPECIFIC CONDITIONS</b>	
i	State Pollution Control Board shall grant CTO only after the completion of green fencing with adequate height all around the school and the project proponent shall maintain green fencing till the shifting of school.	The M.P. Pollution Control Board granted Consent to operate vide letter no. 121568, dated 23.10.2024, which is valid up to 30/09/2025 green fencing around the pit has been provided
ii	The conditions/preventive measures prescribed by the Railway Board, if any shall be complied by the Project Proponent and implementation status should be submitted to the IRO & Railway Board.	Present mining pit is at the minimum distance of 230m from the under-construction railway boundary. Measures will be taken as per IRO and Railway Board
iii	The Project Proponent shall ensure that no mining activity will be carried out within 100m distance from Railway boundary.	Present mining pit is at the minimum distance of 230m from the under-construction railway boundary.
iv	The Project Proponent shall implement the recommendations of the Scientific study carried out by Rock Excavation Engineering Division, CSIR-Central Institute of Mining & Fuel Research, Dhanabad for assessment of blasting impacts on the under-construction railway line and for designing of controlled blasting patterns. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.	Mining activities are being carried out at the distance of more than 230m from the under-construction railway line. The mining is being done with the use of Heavy Earth Moving Machinery, without drilling and blasting. Once the mine becomes fully operational with the use of drilling and blasting, the recommendations of the study conducted by the Rock Excavation Engineering Division, CSIR-Central Institute of Mining & Fuel Research, Dhanbad for assessment of blasting impacts on the under-construction railway line and for designing of controlled blasting patterns will be implemented
v	The Project Proponent shall monitor the ground induced blasting vibrations for every blast and the results are to be compared with the limiting values prescribed by Director General of Mine Safety (DGMS). PP shall ensure that the values of "peak particle velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by the DGMS, from time to time. The data needs to be maintained and submitted along with the six monthly compliance report.	At present, the mining is being done with the use of HEMM, at small scale, without drilling and blasting. Once the mine becomes fully operational, with the use of drilling and blasting, Peak Particle Velocity and Air Over Pressure cause during each and every blast shall be recorded and compared with the permissible values prescribed by the DGMS
vi	The Project Proponent shall adhere to the measures proposed for strengthening of mine pit and protection of railway line.	Noted for Compliance.
vii	The Project Proponent shall shift the educational institution within 5 years from the commencement of mining operations.	Agreed and Noted for compliance
viii	The Project Proponent needs to implement the recommendations of the study carried out by NIT, Raipur for provision of engineering design of garland drains, check dams, check filters and embankment and its efficacy to mitigate the potential impact and protection of Satna River.	Agreed and Noted for Compliance. The area under present mining activity is more than 2 km from the river. Recommendation will be implemented prior to start mining near river block.
ix	The Project Proponent shall ensure that the bund between the river shall be after the plantation where the Pit 11 and Pit 13 is indicated that the width is 8.5m and the total	Bund between the river and mining pit will be constructed pit distance will be maintained.

	distance of the pit from the flood plain should be more than 60m.	
x	In order to prevent the erosion of soil due to flooding etc., the Project Proponent shall undertake plantation of native and diversified species near the proposed embankment along the River Satna.	To prevent the erosion of soil due to flooding will undertake diversified native species plantation near the proposed embankment along the River Satna.
xi	The Project Proponent should install the continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCE. The real time data so generated should be displayed digitally at entry and exit gate mine lease area for public display and shall be linked to server of CPCB/SPCB.	Continuous Ambient air quality monitoring station has been installed. Various parameters such as PM10, PM2.5, Sox, NOx and CO are being monitored as per guidelines. The data is also been displayed in public domain. Ambient air quality monitoring is enclosed as <b>Annexure -1</b>
xii	The Project Proponent needs to install the permanent water sprinklers along the haul road and the approach road. Further, 10 nos. of fog canon/mist sprayer of at least 40 lm throw shall be installed at various locations in the mine area.	Water tanker with fog cannon has been deployed for sprinkling on road. The Water tanker and Fog Cannon appear adequate for the present level of mining.
xiii	The Project Proponent shall adhere to action plan for utilization of creation of water body of 189.64 ha for benefit of the agriculture, local people and community use.	Currently only one active mine pit. Water bodies will be created when fully mined out pits are available and will be allowed to local people for use of agriculture befit
xiv	The Project Proponent should follow-up the status of implementation on Wildlife Conservation Plan from the Forest Officials and the same shall be submitted to the Ministry's Integrated Regional Office in the six monthly compliance report.	Complied. The Wildlife Conservation Plan was approved by Divisional Forest Officer, Satna Forest Divisio, vide letter No. Ma. Chi./691 dated 24th January, 2023. As directed, the amount of Rs. 5 lakh was deposited to M.P. Tiger Foundation Society vide reference No. NEFT/ Wildlife Conservation Plan AXISP00364381467/ 200223003/MADHYAPRADESH TIG dated 20/02/2023.
xv	The Project Proponent shall undertake the adequate plantation in peripheral area and safety zone with the sapling of 10 ft height having at least 90% survival rate with a spacing of 2 x 2m and the plantation shall be completed within 3 years from the start of mining operations. Density of the plantation shall be 1500-2000 plants/ha. The causalities of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.	Total 3,135 saplings have been planted within the lease area during FY -2023-2024 & 2024-2025 over 0.5 hectares, including plantation on the protective bund within the lease area. Out which the survival of the saplings is in the financial year 2023-24, 600 saplings, and in the financial year 2024-25, approximately 1,500 saplings. The saplings have been planted with a spacing of 2m x 2m. The survival rate of the saplings is recorded as 95%. As the mining is being done on the 1st bench of mineral, bench for progressive bench plantation is not feasible.
xvi	The Project Proponent shall strictly follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z11013/57/2014-IA.II (M), dated 29th October, 2014.	Complied, Being complied the applicable measures as per MoEF&CC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014 are being followed.
xvii	The budget of Rs 2.40 Cr to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing	Activities initiated solar lights have been installed in the village of Dhankher Kalan, mine site, and Bachbai.

	concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.	In Bachbai, a water storage tank has been installed on the rooftop of the Aganwadi Kendra.
<b>xviii</b>	The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 17.584 Cr. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.	Agreed and Noted for compliance. Mitigation measures proposed under EMP will be implemented. At present, mining is done at a very small scale. The measures will be implemented when the mining is done as per the Mining Plan.
<b>xix</b>	The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at mine site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority	A separate 'Environmental Management Cell' with full-fledged laboratory facilities has been developed at plant under the control of a Senior Executive who reports directly to Unit Head.
<b>xx</b>	The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to IRO, MoEF&CC.	Third party audit has been done by MoEF&CC approved agency for assessment of compliance status. Copy enclosed as Annexure - 7
<b>xxi</b>	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. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.	Approximately 40 apprentice trainees have participated in the training program, holding qualifications such as PGDCA, B.Tech (E&I), Diploma (C.Tech), BSc (Chem), B.Tech (IT), B.Tech (Mech), B.Tech (Civil), and B.Tech (Mining). They have received training in IT, E&I, process, QA, mechanical, civil, and mining until February 2025
<b>xxii</b>	The Project Proponent shall explore the possibility of using at least 20% of electric vehicles/LNG/CNG instead of diesel operation.	Noted for compliance. Electric vehicles are being used at the other mine being operated by the company for trail. Will implement the same in this mine
<b>xxiii</b>	The Project Proponent shall provide the rainwater harvesting structure at mine office and other infrastructures.	Agreed and Noted for compliance.
<b>xxiv</b>	The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.	Agreed and Being complied. Awareness is being carried out among the local people working in the project area as well as its surrounding area for ban of single use plastic (SUP) to ensure compliance of the notification published by MoEF&CC on 12/08/2021.

		During the Environment Week (5th June) and Life Cycle Awareness, we conducted awareness programs on Single Use Plastic (SUP) at various places and distributed 1000 cotton clothes.
<b>xxv</b>	NoC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.	Complied, NOC has been granted vide letter No. CGWA/NOC/MIN/ORIG/2022/14984 dtd-17/03/2025 from CGWA, New Delhi for abstraction and dewatering of ground water. NOC copy is enclosed as <b>ANNEXURE – 2</b> .
<b>xxvi</b>	The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs in line with the policy and guidelines of the Central/State Government, as provided under the law in such a way that the compensation should benefit the current and future generation.	Agreed and Noted for compliance.
<b>xxvii</b>	The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity	Periodically health check-up of the workers engaged in the mining activity being carried out and records are maintained.  Medical camp has been organized in village area in FY 2024-25 for the benefit of local people.
<b>xxviii</b>	The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.	No grazing land has been acquired for mining. Mining is being carried out as per the approved mining plan. And final mine closure plan along with all details shall be submitted to the Ministry's Integrated Regional Office in advance of final mine closure for approval.
<b>B. STANDARD CONDITIONS</b>		
<b>I. Statutory compliance</b>		
<b>1)</b>	This Environmental Clearance (EC) is subject to orders/ 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.	We are abide to follow applicable orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions.
<b>2)</b>	The Project proponent complies with all the statutory requirements and judgment 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.	We are complying applicable statutory requirements and judgment of Hon'ble Supreme Court.
<b>3)</b>	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 Judgment of	We are complying all the statutory requirements and judgment of Hon'ble Supreme Court. Mining operations being done on comply own land only.

	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.	
4)	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-1A.II (M), 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 or Habitations and villages are surrounded by the mine lease area".	Complied, Applicable mitigation measures as per the MoEF&CC's Office Memorandum No. Z-11013/57/2014-1A.II (M), dated 29th October, 2014 are being followed.
5)	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Complied, EC copy is submitted to concerned panchayats and local NGO.
6)	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.	Not pertaining to PP
7)	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied,  EC letter was issued on 30th June 2023, and the grant of the EC letter was published in two local newspapers, Patrika and Dainik Bhaskar, on 3rd and 4th July 2023.  <div data-bbox="875 936 1484 1394" data-label="Complex-Block"> <div> <b>सार्वजनिक सूचना</b> </div> <p>सर्वसाधारण को सूचित किया जाता है कि मे. आरसीसीपीएल प्राइवेट लिमिटेड की इटोरा चूना पत्थर खदान, जिसकी उत्पादन क्षमता 0.8 मि. टन प्रतिवर्ष चूना पत्थर, 0.51 मि. टन प्रतिवर्ष अपशिष्ट /रिजेक्ट, 0.09 मि. टन प्रतिवर्ष ऊपरी मृदा / जलोढ़ (कुल उत्खनन 1.4 मि. टन प्रतिवर्ष) कुल रकबा 747.817 हेक्टेयर ग्राम इटोरा, बचवाई, करही पवाई, गिदुरी और रेवरा तहसील रघुराजनगर, जिला सतना (मध्य प्रदेश) को पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्र संख्या J-11015/16/2019-1A.II(M) दिनांक 30.06.2023 के द्वारा पर्यावरण स्वीकृति दी गई है इस स्वीकृति की प्रति मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड के कार्यालय तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की वेबसाइट <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> पर उपलब्ध है।</p> <p align="center"><b>आरसीसीपीएल प्राइवेट लिमिटेड</b> मैदर, सतना (म.प्र.)</p> <div>  <div> Mon, 03 July 2023  <a href="https://epaper.bhaskarhindi.com/c/728">https://epaper.bhaskarhindi.com/c/728</a> </div>  </div> </div>

		
8)	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	There is no change in owner ship of mining lease.
II.	<b>Air quality monitoring and preservation</b>	
9)	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.	<p>Being Complied, Continuous Ambient air quality monitoring station have been installed. Various parameters such as PM10, PM2.5, Sox, NOx and CO are being monitored as per guidelines.</p> <p>The data is also been displayed in public domain.</p> <p>Ambient air quality monitoring is enclosed as <b>Annexure -1</b></p>
10)	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the	<p>Being Complied, We have deployed dedicated water tanker for regular water sprinkling on houl road, loading area and during blasting.</p> <p>During limestone transportation all vehicle being covered with tarpaulin.</p>


	standards prescribed by the MoEFCC/ Central Pollution Control Board.	
<b>III.</b>	<b>Water quality monitoring and preservation</b>	
<b>11)</b>	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro geological study of the area.	NOC has been granted vide letter No. CGWA/NOC/MIN/ORIG/2022/14984 dtd-17/03/2025 from CGWA, New Delhi for abstraction and dewatering of ground water.
<b>12)</b>	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	<p>Ground water level and quality being monitored regularly by established a network of ground water monitoring stations. Report is submitted to MoEF&amp;CC regional office Bhopal, CGWA, and SPCB</p> <p>Ground and surface water monitoring reports are enclosed as <b>Annexure -3 and Annexure – 3a</b></p> <p>Water level monitoring reports is enclosed as <b>Annexure - 4.</b></p>
<b>13)</b>	The Project Proponent shall undertake regular monitoring of natural water course/water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-a-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.	<p>The Ground water Analysis monitoring is being done regularly by established a network of ground water monitoring stations. Report is submitted to MoEF&amp;CC regional office Bhopal, CGWA, SGWD and SPCB on six-monthly basis.</p> <p>Ground and surface water Analysis monitoring reports are enclosed as <b>Annexure -3 and Annexure – 3a</b> Piezometers constructed at mines area as suggested by CGWB North Central Region, Bhopal (M.P.)</p>
<b>14)</b>	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines runoff; 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	As on no waste water generation from mine.

	the Company. The circular No. J-20012/1/2006-IA.11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	
15)	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.	Will implement rain water harvesting measures on a long-term basis to augment the ground water resources in the area in consultation with the Central Ground Water Board/State Ground Water Department. report of the quantity of water recharged will be submit to Regional Office MoEF & CC accordingly.
16)	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 Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	As no workshop has been established as on. Hence, No Industrial waste water generation yet
17)	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.	At present less water being used for drinking purpose, Plantation & Horticulture, Sprinkling purpose. Audit will be conducted when start dewatering and increased consumption
<b>IV. Noise and vibration monitoring and prevention</b>		
18)	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	The peak particle velocity Will be monitored periodically as per DGMS guidelines.
19)	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.	We are continuously monitoring illumination and sound at night as per DGMS parameter to insure no disturbances to the habitants due to mining operations.  Ambient Noise level measured periodically (Day and Night). Monitoring report are enclosed as <b>Annexure – 5</b> .
20)	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.	Adequate measures like regular maintenance of HEMMs being taken to control the noise level. Adequate PPEs are provided to all engaged worker. And regular noise monitoring being carried out to ensure compliance of Noise levels below 85 dBA in the work environment.  HEMM Noise Monitoring report is enclosed as <b>Annexure – 6</b> .
<b>V. Mining plan</b>		

21)	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 (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; etc.).	Mining is being carried out as per the approved mining plan.
22)	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP 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.	Noted for compliance.
<b>VI.</b>	<b>Land reclamation</b>	
23)	The Overburden (O.B.), waste and topsoil generated during the mining 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 / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	Agreed and noted for compliance. The overburden generated has been stacked at designated place as per approved mining plan and maintained as per DGMS Norms. Topsoil will be used for land reclamation and plantation.
24)	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.	At present only one active dump. Suitable native species will be vegetated in mature dump to prevent erosion.
25)	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OBI Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.	Catch drains & siltation ponds has been constructed. These drains are de-silted before monsoon and maintained.

26)	Check darns of appropriate size, gradient and length shall 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.	Noted for compliance.
<b>VII.</b>	<b>Transportation</b>	
27)	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (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 (PUG) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].	<p>Being complied. Proper traffic study of the mineral transportation has been carried out and the outcomes of the same will be implemented.</p> <p>Pollution Under Control (PUC) certificate for all the vehicles being maintained.</p>
28)	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. 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. PP shall take necessary measures to avoid generation of fugitive dust emissions.	<p>Being Complied. Mobile water sprinkling arrangement made for sprinkling of water dust generation area.</p> <p>All vehicles are properly covered to avoid fugitive dust emissions during limestone transportation.</p>
<b>VIII.</b>	<b>Green Belt</b>	

<b>29)</b>	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	Being complied, Native species have been planted in mine premises as per mining plan.
<b>30)</b>	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	Noted for compliance.
<b>31)</b>	The Project Proponent shall make necessary alternative 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. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	No grazing land acquired for mining.
<b>IX.</b>	<b>Public hearing and human health issues</b>	
<b>32)</b>	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Noted for compliance.
<b>X.</b>	<b>Corporate Environment Responsibility (CER)</b>	

33)	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office. Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Being complied, Time bound action plan was prepared as per MoEF&CC Office Memorandum No.22-65/2017-IA. III dated 30 September, 2020 and submitted during grant of EC.
<b>XI.</b>	<b>Miscellaneous</b>	
34)	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Being Complied, Digital map (land use & land cover) shall be prepared by engaging third party, once in every five years.
35)	The Project Authorities should inform to the Regional 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.	Will be done as per approved Final Mine Closure Plan.
36)	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Being Complied We are submitting six monthly compliance report to the MoEF&CC, Central Pollution Control Board and State Pollution Control Board.
37)	A separate 'Environmental Management Cell' with 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 Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied A separate 'Environmental Management Cell' with full-fledged laboratory facilities has been developed at plant premises under the control of a Senior Executive who reports directly to Unit Head.   <pre> graph TD     UC[Organization Chart] --&gt; UH[Unit Head]     UH --&gt; HE[Head Environment]     HE --&gt; AM1[Assistant Manager Environment]     HE --&gt; AM2[Assistant Manager Environment]     HE --&gt; SE1[Sr. Executive Environment]     HE --&gt; SE2[Sr. Executive Environment] </pre>
38)	The concerned Regional Office of the MoEF&CC shall 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.	Full support and co-operation are being extended during the visit of officers from Ministry of Environment & Forest and climate change, CPCB as well as MPPCB.
39)	In pursuant to Ministry's OM No 22-34/2018-IA.11I dated 16.01.2020 to comply with the direction made by 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 regressing 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 is fit for growth of fodder, flora, fauna etc.	Noted for compliance.

<b>40)</b>	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed
<b>41)</b>	Concealing factual data failure to comply with any or 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.	Agreed and noted for compliance



# CES ANALYTICAL AND RESEARCH SERVICES (I) PVT. LTD.

Accredited Organisation by National Accreditation Board for Testing and Calibration Laboratories (NABL) CIN : U74999MP2020PTC052747

Annexure - 1



## TEST REPORT

AMBIENT AIR QUALITY REPORT			
Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawal, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP-485001		ULR No: TC687225100000278F Test Report No:-CES/LAB/Air/25/74 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil	
Method of test : IS: 5182		<b>Sampling Details</b>	
Test required: As per work order		Sample Monitored	: Ambient Air Quality
Sample Collected By:- CES representative		Date of Sampling	: 24.03.2025
Instrument used: Eco Tech FDS		Date of Receipt	: 25.03.2025
Page 1 of 1		Period of testing	: 25.03.2025 to 01.04.2025
No. of Sampling Locations -06		Duration of sampling	: 8 hrs
Atmospheric condition : Clear		Serial No. of samples	: 74/1

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (Industrial area)	Pollutant Concentration
			Working Pit (74/1)
1	Date of Sampling		24.03.2025
2	Wind direction		SSE
3	Wind speed km/h		6
4	Relative Humidity %		10
5	Ambient Temp. (°C)		34
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	55.12
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	22.40
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	9.60
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	11.53
5	Carbon mono Oxide (mg/m <sup>3</sup> ) (CO)	04	<1.00

NAAQ- National Ambient Air Quality Standards CPCB Notification 18<sup>th</sup> Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

*Neelam Upadhyay*  
Checked By

NEELAM UPADHYAY  
TECHNICAL MANAGER

*Santosh Khantal*  
Authorized Signatory

The Results relate only to the sample tested/ sampled

Note:-The Report will not valid for any legal case, if prior permission not taken from CES.

-----\*End of Report\*-----

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Accredited Organisation by National Accreditation Board for Testing and Calibration Laboratories (NABL) CIN : U74999MP2020PTC052747



TC-6872

## TEST REPORT

AMBIENT AIR QUALITY REPORT		
Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawal, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP-485001	ULR No: TC687225100000279F Test Report No:-CES/LAB/Air/25/74 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil	
Method of test : IS: 5182	<b>Sampling Details</b>	
Test required: As per work order	Sample Monitored	: Ambient Air Quality
Sample Collected By:- CES representative	Date of Sampling	: 24.03.2025
Instrument used: Eco Tech FDS	Date of Receipt	: 25.03.2025
Page 1 of 1	Period of testing	: 25.03.2025 to 01.04.2025
No. of Sampling Locations -06	Duration of sampling	: 8 hrs
Atmospheric condition : Clear	Serial No. of samples	: 74/2

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Itoura Village (74/2) 24.03.2025
1	Date of Sampling		SSE
2	Wind direction		6
3	Wind speed km/h		10
4	Relative Humidity %		34
5	Ambient Temp. (°C)		
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	50.17
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	28.65
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	10.25
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	12.47
5	Carbon mono Oxide (mg/m <sup>3</sup> ) (CO)	04	<1.00

NAAQ- National Ambient Air Quality Standards CPCB Notification 18<sup>th</sup> Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By

NEELAM UPADHYAY  
TECHNICAL MANAGER

Authorized Signatory



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-----\*End of Report\*-----

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TC-6872

## TEST REPORT

AMBIENT AIR QUALITY REPORT	
Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawai, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP-485001	ULR No: TC687225100000280F Test Report No:-CES/LAB/Air/25/74 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil
Method of test : IS: 5182	Sampling Details
Test required: As per work order	Sample Monitored : Ambient Air Quality
Sample Collected By:- CES representative	Date of Sampling : 24.03.2025
Instrument used: Eco Tech FDS	Date of Receipt : 25.03.2025
Page 1 of 1	Period of testing : 25.03.2025 to 01.04.2025
No. of Sampling Locations -06	Duration of sampling : 8 hrs
Atmospheric condition : Clear	Serial No. of samples : 74/3

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Bachwai Village (74/3)
1	Date of Sampling		24.03.2025
2	Wind direction		SSE
3	Wind speed km/h		6
4	Relative Humidity %		10
5	Ambient Temp. (°C)		34
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	52.48
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	29.40
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	9.64
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	14.00
5	Carbon mono Oxide (mg/m <sup>3</sup> ) (CO)	04	<1.00

NAAQ- National Ambient Air Quality Standards CPCB Notification 18<sup>th</sup> Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:

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TECHNICAL MANAGER

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Authorized Signatory

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TC-6872

## TEST REPORT

AMBIENT AIR QUALITY REPORT		
Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawai, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP-485001	ULR No: TC687225100000281F Test Report No:-CES/LAB/Air/25/74 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil	
Method of test : IS: 5182	Sampling Details	
Test required: As per work order	Sample Monitored	: Ambient Air Quality
Sample Collected By:- CES representative	Date of Sampling	: 24.03.2025
Instrument used: Eco Tech FDS	Date of Receipt	: 25.03.2025
Page 1 of 1	Period of testing	: 25.03.2025 to 01.04.2025
No. of Sampling Locations -06	Duration of sampling	: 8 hrs
Atmospheric condition : Clear	Serial No. of samples	: 74/4

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Karhi Pawai Village (74/4) 24.03.2025
1	Date of Sampling		SSE
2	Wind direction		6
3	Wind speed km/h		10
4	Relative Humidity %		34
5	Ambient Temp. (°C)		
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m³)	100	57.42
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m³)	60	25.36
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m³)	80	10.58
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m³)	80	14.75
5	Carbon mono Oxide (mg/m³) (CO)	04	<1.00

NAAQ- National Ambient Air Quality Standards CPCB Notification 18<sup>th</sup> Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

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TC-6872

## TEST REPORT

AMBIENT AIR QUALITY REPORT		
Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawai, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP-485001	ULR No: TC687225100000282F Test Report No:-CES/LAB/Air/25/74 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil	
Method of test : IS: 5182	Sampling Details	
Test required: As per work order	Sample Monitored	: Ambient Air Quality
Sample Collected By:- CES representative	Date of Sampling	: 21.03.2025
Instrument used: Eco Tech FDS	Date of Receipt	: 25.03.2025
Page 1 of 1	Period of testing	: 25.03.2025 to 01.04.2025
No. of Sampling Locations -06	Duration of sampling	: 8 hrs
Atmospheric condition : Clear	Serial No. of samples	: 74/5

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Giduri Village (74/5)
1	Date of Sampling		24.03.2025
2	Wind direction		SSE
3	Wind speed km/h		6
4	Relative Humidity %		10
5	Ambient Temp. (°C)		34
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m³)	100	58.18
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m³)	60	22.36
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m³)	80	9.55
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m³)	80	12.30
5	Carbon mono Oxide mg/m³ (CO)	4	<1.00

NAAQ- National Ambient Air Quality Standards CPCB Notification 18 th Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:

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TECHNICAL MANAGER

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## TEST REPORT

AMBIENT AIR QUALITY REPORT	
Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawai, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP- 485001	ULR No: TC687225100000283F Test Report No:-CES/LAB/Air/25/74 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil
Method of test : IS: 5182	Sampling Details
Test required: As per work order	Sample Monitored : Ambient Air Quality
Sample Collected By:- CES representative	Date of Sampling : 24.03.2025
Instrument used: Eco Tech FDS	Date of Receipt : 25.03.2025
Page 1 of 1	Period of testing : 25.03.2025 to 01.04.2025
No. of Sampling Locations -06	Duration of sampling : 8 hrs
Atmospheric condition : Clear	Serial No. of samples : 74/6

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (Industrial area)	Pollutant Concentration Rewra Village (74/6) 24.03.2025
1	Date of Sampling		SSE
2	Wind direction		6
3	Wind speed km/h		10
4	Relative Humidity %		34
5	Ambient Temp. (°C)		
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	48.00
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	27.41
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	12.76
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	14.22
5	Carbon mono Oxide mg/m <sup>3</sup> (CO)	4	<1.00

NAAQ- National Ambient Air Quality Standards CPCB Notification 18 th Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:

NEELAM UPADHYAY  
TECHNICAL MANAGER

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Email: cesanalytical@gmail.com, creativelab.bpl@gmail.com, Websearch : www.creativeenviroservices.com

### Note:

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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

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

Project Name:	Itoura Limestone Mine		
Project Address:	Rccpl Private Limited, Itoura Limestone Mining Project, Tehsil: Raghurajnagar		
Village:	Itaura	Block:	Sohawal
District:	Satna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	Rccpl Pvt. Ltd. (formerly Reliance Cement Company (p) Ltd.), Village Bharauli, Post Itahar,, Tehsil Maihar,, Maihar, Satna, Madhya Pradesh - 485773		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1.	NOC No.:	CGWA/NOC/MIN/ORIG/2022/14984				2.	Date of Issuance	3/17/2025 12:00:00 AM				
3.	Application No.:	21-4/1123/MP/MIN/2021				4.	Category: (GWRE 2020)	Semi Critical				
5.	Project Status:	New Project				6.	NOC Type:	New				
7.	Valid from:	30/03/2024				8.	Valid up to:	29/03/2026				
9.	Ground Water Abstraction Permitted:											
Fresh Water		Saline Water		Dewatering				Total				
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		
183.00		54900.00				9.53		3479.59		192.53		
58379.59												
10.	Details of ground water abstraction /Dewatering structures											
Total Existing No							Total Proposed No					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	0	0	0	0
Dewatering Structure*	0	0	0	0	0	0	0	0	0	0	1	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
11.	Ground Water Abstraction/Restoration Charges paid (Rs.):						116759.18					
12.	Environment Compensation (if applicable) paid (Rs.):						0.00					
13.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.				No. of Piezometers		Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
	**DWLR - Digital Water Level Recorder				1		0	1	0			

(Compliance Conditions given overleaf)

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

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

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये  
SAVE WATER - SAVE LIFE

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

**Mandatory conditions:**

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

**General conditions:**

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

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

**CENTRAL GROUND WATER AUTHORITY**  
Department of Water Resources, River Development and Ganga Rejuvenation  
Ministry of Jal Shakti, Govt. of India

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

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: [cgwa-noc.gov.in](http://cgwa-noc.gov.in)

पानी बचाये – जीवन बचाये  
**SAVE WATER - SAVE LIFE**

TEST REPORT CODE: VGL/W/25/01/29/033

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : ITOURA LIMESTONE MINE  
(Unit of RCCPL PVT LTD)  
VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
TEHSIL- RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001

**Location of Sample** : **PIEZOMETER (SHALLOW)**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 28.01.2025 10:45 AM

**Sample Collected by** : MR. ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %

**Sample Packing** : SEALED

**Sample Id No.** : 033

**Laboratory Sample Receiving Date** : 29.01.2025

**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.25	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.7	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	213.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	408.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	196.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	51.6	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	22.5	mg/L	30	100
11.	Sodium	APHA 3500 Na <sub>2</sub> A+B	27.3	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.56	mg/L	-	-

Page 1 of 3

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

**Review By:**
  
Dr. Ashish Kumar  
Technical Manager

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

D. K. Yadav  
Lab In-charge  
Authorized Signatory

TEST REPORT CODE: VGL/W/25/01/29/033

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**
**TEST RESULTS**

13.	Sulfate	APHA 4500-PD	44.5	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> - B	11.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	54.8	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.24	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.21	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05

Page 2 of 3

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Review By:

  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/033

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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

Review By:



Dr. Ashok Kumar  
Technical Manager

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

Authorized Signatory



Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/034

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

**Name and Address of Customer** : ITOURA LIMESTONE MINE  
(Unit of RCCPL PVT LTD)  
VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
TEHSIL – RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001

**Location of Sample** : **PIEZOMETER (DEEP)**

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 28.01.2025 11:05 AM

**Sample Collected by** : MR. ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %

**Sample Packing** : SEALED

**Sample Id No.** : 034

**Laboratory Sample Receiving Date** : 29.01.2025

**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.53	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.9	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	223.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	421.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	208.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	66.5	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	27.0	mg/L	30	100
11.	Sodium	APHA 3500 Na A+B	21.5	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.48	mg/L	-	-

Page 1 of 3

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

**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

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

  
**D. K. Yadav**  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/034

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART - A (CHEMICAL)**
**TEST RESULTS**

13.	Sulfate	APHA 4500-PD	35.3	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	10.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> -B	11.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	57.6	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.35	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.23	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05


Page 2 of 3

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

Review By:  
  
**Dr. Ashok Kumar**  
 Technical Manager

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

  
**Authorised Signatory**  
**D. K. Yadav**  
 Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/034

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

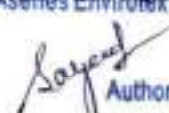
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2. The sample will be destroyed after 3days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 5Days.
4. The above Results are related to the tested sample only.


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

Authorized Signatory



Authorized Signatory

Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/035

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : ITOURA LIMESTONE MINE  
**(Unit of RCCPL PVT LTD)**  
VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
TEHSIL- RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001  
**Location of Sample** : **ITOURA VILLAGE**  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 28.01.2025 11:20 AM  
**Sample Collected by** : MR. ASHISH KUMAR  
**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %  
**Sample Packing** : SEALED  
**Sample Id No.** : 035  
**Laboratory Sample Receiving Date** : 29.01.2025  
**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.42	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	26.1	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	212.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	406.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	181.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	58.0	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	25.2	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	31.0	mg/L	-	-
12.	Phosphate	APHA 4500-SC42- E	0.72	mg/L	-	-

Page 1 of 3

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**Review By:**  
  
**Dr. Ashish Kumar**  
**Technical Manager**

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

TEST REPORT CODE: VGL/W/25/01/29/035

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**
**TEST RESULTS**

13.	Sulfate	APHA 4500-PD	36.2	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	12.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> -B	12.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	52.6	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 FeB	0.28	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.21	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05

Page 2 of 3

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

  
Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/035

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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

  
**Dr. Ashok Kumar**  
 Technical Manager

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

  
**Sayeed Ahmad**  
 Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/036

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**

<b>Name and Address of Customer</b>	: ITOURA LIMESTONE MINE (Unit of RCCPL PVT LTD) VILLAGES – ITOURA, BACHWAI, KARHI PAWAL, GIDURI & REWRA, TEHSIL- RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001
<b>Location of Sample</b>	: <b>BACHWAI</b>
<b>Sample Description</b>	: GROUND WATER
<b>Date &amp; Time of Sampling</b>	: 28.01.2025 11:50 AM
<b>Sample Collected by</b>	: MR. ASHISH KUMAR
<b>Environmental Condition (Temp. &amp; RH)</b>	: 26.5 °C & 56 %
<b>Sample Packing</b>	: SEALED
<b>Sample Id No.</b>	: 036
<b>Laboratory Sample Receiving Date</b>	: 29.01.2025
<b>Duration of Sample Analysis</b>	: 29.01.2025 TO 03.02.2025
<b>Method of Sampling</b>	: APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.54	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	27.6	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	235.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	452.0	mg/L	500	2000
8.	Total Hardness	APHA 2340-A+C	223.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	66.7	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	21.8	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	26.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.57	mg/L	-	-

Page 1 of 3

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Review By:

Dr. Ashish Kumar  
Technical Manager

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

D. K. Yadav  
Lab In-charge

  
Authorized Signatory

TEST REPORT CODE: VGL/W/25/01/29/036

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**
**TEST RESULTS**

13.	Sulfate	APHA 4500-PD	54.6	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	11.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> -B	12.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	56.7	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.28	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.34	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05

Page 2 of 3

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**Review By:**  
  
**Dr. Ashok Kumar**  
Technical Manager

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

  
**Authorised Signatory**

**D. K. Yadav**  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/036

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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

Review By:


Dr. Ashok Kumar  
Technical Manager

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



Authorized Signatory

Sayeed Ahmad  
Quality Manager


TEST REPORT CODE: VGL/W/25/01/29/037

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : ITOURA LIMESTONE MINE  
 (Unit of RCCPL PVT LTD)  
 VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
 TEHSIL – RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001  
**Location of Sample** : KARHI PAWAL  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 28.01.2025 12:10 PM  
**Sample Collected by** : MR. ASHISH KUMAR  
**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %  
**Sample Packing** : SEALED  
**Sample Id No.** : 037  
**Laboratory Sample Receiving Date** : 29.01.2025  
**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.62	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.8	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+ B	263.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	602.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	242.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	72.5	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	31.4	mg/L	30	100
11.	Sodium	APHA 3500 Na- A+B	34.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.67	mg/L	-	-

Page 1 of 3

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Review By:

Dr. Ashish Kumar  
Technical Manager

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

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/037

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)  
PART – A (CHEMICAL)**
**TEST RESULTS**

13.	Sulfate	APHA 4500-PD	55.8	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	14.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> -B	12.7	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	64.5	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.34	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.28	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05

Page 2 of 3

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Review By:

  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorised Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/037

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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

Review By:

  
Dr. Ashok Kumar  
Technical Manager

**VIRAT GLOBAL LAB**

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

  
Authorised Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/038

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

**Name and Address of Customer** : ITOURA LIMESTONE MINE  
(Unit of RCCPL PVT LTD)  
VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
TEHSIL- RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001

**Location of Sample** : GIDURI

**Sample Description** : GROUND WATER

**Date & Time of Sampling** : 28.01.2025 12:25 PM

**Sample Collected by** : MR. ASHISH KUMAR

**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %

**Sample Packing** : SEALED

**Sample Id No.** : 038

**Laboratory Sample Receiving Date** : 29.01.2025

**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025

**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.45	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	26.4	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	252.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	533.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	364.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	72.6	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	35.1	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	37.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.65	mg/L	-	-

Page 1 of 3

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Review By:

  
Dr. Ashish Kumar  
Technical Manager

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

D. K. Yadav  
Lab In-charge  
Authorized Signatory

TEST REPORT CODE: VGL/W/25/01/29/038

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**

13.	Sulfate	APHA 4500-PD	64.2	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	15.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> -B	13.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	71.2	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.29	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.35	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05

Page 2 of 3

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Review By:

  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorised Signatory  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/038

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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Review By: 

Dr. Ashok Kumar  
Technical Manager

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

Authorized Signatory  
  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/039

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART - A (CHEMICAL)**

**Name and Address of Customer** : ITOURA LIMESTONE MINE  
 (Unit of RCCPL PVT LTD)  
 VILLAGES - ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
 TEHSIL - RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001  
**Location of Sample** : **REWRA**  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 28.01.2025 12:45 PM  
**Sample Collected by** : MR. ASHISH KUMAR  
**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %  
**Sample Packing** : SEALED  
**Sample Id No.** : 039  
**Laboratory Sample Receiving Date** : 29.01.2025  
**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025  
**Method of Sampling** : APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.65	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.8	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	264.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	645.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	232.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	66.5	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	24.8	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	27.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.67	mg/L	-	-

Page 1 of 3


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Review By:

  
 Dr. Ashok Kumar  
 Technical Manager

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

  
 D. K. Yadav  
 Authorised Signatory  
 Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/039

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – A (CHEMICAL)**
**TEST RESULTS**

13.	Sulfate	APHA 4500-PD	61.4	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	16.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> -B	14.3	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 Cl A+B	74.8	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	BDL	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	BDL	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.32	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	BDL	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	BDL	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	BDL	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.28	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	BDL	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	BDL	mg/L	0.01	0.05

Page 2 of 3

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Review By:

  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorized Signatory

D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/039

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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

Review By:

  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/040

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (SURFACE WATER)**

Name and Address of Customer	: ITOURA LIMESTONE MINE (Unit of RCCPL PVT LTD) VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GHIDURI and REWRA TEHSIL- RAGHURAJ NAGAR, DISTRICT SATNA, M.P.- 485001
Location of Sample	: UP STREAM (SATNA RIVER)
Sample Description	: SURFACE WATER
Date & Time of Sampling	: 28.01.2025 01:10 PM
Sample Collected by	: MR. ASHISH KUMAR
Environmental Condition (Temp. & RH)	: 26.5 °C & 56 %
Laboratory Sample Receiving Date	: 29.01.2025
Duration of Sample Analysis	: 29.01.2025 TO 03.02.2025
Method of Sampling	: APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
1.	pH	APHA 4500-H+	7.52	-	6.5 - 8.5
2.	Colour	APHA 2120-B	55.0	Hazen	300
3.	Total Dissolved Solids, (TDS)	APHA 2540-C	742	mg/L	1500
4.	Dissolved Oxygen (DO)	APHA 4500-(O)-C	6.7	mg/L	4
5.	Biological Oxygen Demand (BOD 3d 27°C)	IS: 3025 (Part-44)	5.1	mg/L	3
6.	Chloride, (Cl)	APHA 4500-(Cl)-B	81.0	mg/L	600
7.	Cyanide, (CN)	APHA 4500-(CN)-D	<0.01	mg/L	Not Specified
8.	Fluoride, (F)	APHA 4500-(F)-D	0.58	mg/L	1.5
9.	Sulphate, (SO <sub>4</sub> )	APHA 4500-(SO <sub>4</sub> )-E	43.6	mg/L	400
10.	Phenolic Compound, (C <sub>6</sub> H <sub>5</sub> OH)	APHA 5530-C	<0.01	mg/L	Not Specified
11.	Mineral Oil	IS 3025 (Part-39)	<0.05	mg/L	Not Specified
12.	Oil & Grease, (O & G)	APHA 5520-D	< 2.0	mg/L	Not Specified
13.	Nitrate, (NO <sub>3</sub> )	APHA 4500-(NO <sub>3</sub> )-B	18.7	mg/L	50
14.	Arsenic, (As)	APHA 3120B	<0.01	mg/L	0.2
15.	Copper, (Cu)	APHA 3120B	<0.01	mg/L	Not Specified
16.	Iron, (Fe)	APHA-3120B	0.39	mg/L	Not Specified
17.	Zinc, (Zn)	APHA-3120B	0.23	mg/L	Not Specified
18.	Cadmium, (Cd)	APHA 3120B	<0.01	mg/L	Not Specified
19.	Chromium, (Cr+6)	APHA 3500-(Cr)-B	<0.01	mg/L	Not Specified
20.	Selenium, (as Se)	APHA 3120B	<0.01	mg/L	Not Specified
21.	Lead, (Pb)	APHA-3120B	<0.01	mg/L	0.1
22.	Mercury (Hg)	APHA-3112A+B	<0.01	mg/L	-

Page 1 of 1

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

  
**Authorised Signatory**  
D. K. Yadav  
Lab In-charge

TEST REPORT CODE: VGL/W/25/01/29/040

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (SURFACE WATER)**
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
23.	Total Coliform Count	APHA24h Ed. 9221-E	274.0	MPN/100 ML	500

Page 2 of 2

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Review By:


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

  
**Authorised Signatory**  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/W/25/01/29/041

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (SURFACE WATER)**

Name and Address of Customer	ITOURA LIMESTONE MINE (Unit of RCCPL PVT LTD) VILLAGES - ITOURA, BACTIWAL, KARHI PAWAL, GIDURI and REWRA TEHSIL- RAGHURAJ NAGAR, DISTRICT SATNA, M.P. - 485001
Location of Sample	DOWN STREAM (SATNA RIVER)
Sample Description	SURFACE WATER
Date & Time of Sampling	28.01.2025 01:25 PM
Sample Collected by	MR. ASHISH KUMAR
Environmental Condition (Temp. & RH)	26.5 °C & 56 %
Laboratory Sample Receiving Date	29.01.2025
Duration of Sample Analysis	29.01.2025 TO 03.02.2025
Method of Sampling	APHA 1060B & 9060A

**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
1.	pH	APHA 4500-H+	7.82	-	6.5 - 8.5
2.	Colour	APHA 2120-B	62.0	Hazen	300
3.	Total Dissolved Solids, (TDS)	APHA 2540-C	835	mg/L	1500
4.	Dissolved Oxygen (DO)	APHA 4500(O)-C	4.7	mg/L	4
5.	Biological Oxygen Demand (BOD 3d 27°C)	IS: 3025 (Part-44)	12.0	mg/L	3
6.	Chloride, (Cl)	APHA 4500(Cl)-B	86.0	mg/L	600
7.	Cyanide, (CN)	APHA 4500(CN)-D	<0.01	mg/L	Not Specified
8.	Fluoride, (F)	APHA 4500(F)-D	0.84	mg/L	1.5
9.	Sulphate, (SO4)	APHA 4500(SO4)-E	71.6	mg/L	400
10.	Phenolic Compound, (C6H5OH)	APHA 5530-C	<0.01	mg/L	Not Specified
11.	Mineral Oil	IS 3025 (Part-39)	<0.05	mg/L	Not Specified
12.	Oil & Grease, (O & G)	APHA 5520-D	< 2.0	mg/L	Not Specified
13.	Nitrate, (NO3)	APHA 4500(NO3)-B	15.8	mg/L	50
14.	Arsenic, (As)	APHA 3120B	<0.01	mg/L	0.2
15.	Copper, (Cu)	APHA 3120B	<0.01	mg/L	Not Specified
16.	Iron, (Fe)	APHA-3120B	0.27	mg/L	Not Specified
17.	Zinc, (Zn)	APHA-3120B	0.19	mg/L	Not Specified
18.	Cadmium, (Cd)	APHA 3120B	<0.01	mg/L	Not Specified
19.	Chromium, (Cr+6)	APHA 3500(Cr)-B	<0.01	mg/L	Not Specified
20.	Selenium, (as Se)	APHA 3120B	<0.01	mg/L	Not Specified
21.	Lead, (Pb)	APHA-3120B	<0.01	mg/L	0.1
22.	Mercury (Hg)	APHA-3112A+B	<0.01	mg/L	-

Page 1 of 1

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Review By:  
  
Dr. Ashok Kumar  
Technical Manager

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

TEST REPORT CODE: VGL/W/25/01/29/041

TEST REPORT ISSUE DATE: 03.02.2025

**TEST REPORT (SURFACE WATER)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Specification/Limit (As per IS:2296, Class C)
23.	Total Coliform Count	APHA24th Ed. 9221-E	314.0	MPN/100 ML	500

Page 2 of 2

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3. Any discrepancy in test result should be reported within 30 days.
4. The above Results are related to the tested sample only.

Review By:

**VIRAT GLOBAL LAB**  
(A Division of Aseries Envirotek India Pvt. Ltd.)  
Authorised Signatory  
Sayeed Ahmad  
Quality Manager

TEST REPORT CODE: VGL/WL/25/01/29/028-034

TEST REPORT ISSUE DATE: 03.02.2025

### WATER LEVEL MONITORING REPORT

Name And Address of Customer : ITOURA LIMESTONE MINE AREA  
(Unit of RCCPL PVT LTD)  
VILLAGES – ITOURA, BACHWAL, KARHI PAWAL, GIDURI & REWRA,  
TEHSIL- RAGHURAJNAGAR, DISTRICT SATNA, M.P. 485001

Date of Monitoring : 28.01.2025

Monitoring Done By : MR. ASHISH KUMAR

### RESULT


S.No.	Location	Water Level (Below Ground Level)- Meter
1	PIEZOMETER (SHALLOW)	50-60
2	PIEZOMETER (DEEP)	49.80
3	ITOURA	44.90
4	BACHWAL	47.80
5	KARHI PAWAL	53.90
6	GIDURI	50.80
7	REWRA	43.90

Page 1 of 1

Not:-

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Review By:  
  
Dr. Ashok Kumar  
Technical Manager

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



# CES ANALYTICAL AND RESEARCH SERVICES (I) PVT. LTD.

Accredited Organisation by National Accreditation Board for Testing and Calibration Laboratories (NABL) CIN : U74999MP2020PTC052747



TC-6872

## TEST REPORT

Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawai, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP- 485001	ULR No.: TC687225200000081F Test Report No:-CES/LAB/Noise/25/76 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil
Sample Particulars: Ambient Noise Level Monitoring	Date of monitoring : 24.03.2025
Test required: As given below	Date of Receipt : 25.03.2025
Protocol for testing : IS-9989-2001	Date of commencement of testing : 25.03.2025
Sample collected by: CES representative	Sample condition at receipt : Ok
No of Location:-06	Sample tested as received : 25.03.2025

### TEST RESULTS

#### Day Time

Sr. No	Location	Monitoring Time	Unit	Noise level	
				Minimum	Maximum
1	Working Pit	10:00 AM	dB(A)	41.20	52.60
2	Itoura Village	10:10 AM	dB(A)	40.30	53.00
3	Bachwai Village	10:20 AM	dB(A)	42.00	48.70
4	Karhi Pawai Village	10:30 AM	dB(A)	41.80	49.20
5	Giduri Village	10:40 AM	dB(A)	42.60	48.00
6	Rewra Village	10:50 AM	dB(A)	38.70	47.50

#### Night Time

Sr. No	Location	Monitoring Time	Unit	Noise level	
				Minimum	Maximum
1	Working Pit	10:40 PM	dB(A)	36.20	41.70
2	Itoura Village	11:00 PM	dB(A)	35.00	42.60
3	Bachwai Village	11:40 PM	dB(A)	32.40	41.00
4	Karhi Pawai Village	12:30 AM	dB(A)	38.70	43.40
5	Giduri Village	01:15 AM	dB(A)	34.00	45.10
6	Rewra Village	01:30 AM	dB(A)	37.00	46.70

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:

NEELAM UPADHYAY  
TECHNICAL MANAGER

The Results relate only to the sample tested/ sampled

Note:-The Report will not valid for any legal case, if prior permission not taken from CES.

-----\*End of Report\*-----

Authorized Signatory

SANTOSH KHANTAL  
QUALITY MANGAER

42,48, Doorsanchar Nagar, Near Savoy Complex, E-8 Extension, Gulmohar, Bhopal-462 039 (M.P.)

Telephone : 0755-4299319, Fax : 0755-4243510, Mobile : 9425009319

Email: cesanalytical@gmail.com, creativelab.bpl@gmail.com, Websearch : www.creativeenviroservices.com

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# CES ANALYTICAL AND RESEARCH SERVICES (I) PVT. LTD.

Accredited Organisation by National Accreditation Board for Testing and Calibration Laboratories (NABL) CIN : U74999MP2020PTC052747



## TEST REPORT

Name & Address of the Customer To, M/S Itoura Limestone Mine (Unit Of RCCPL Pvt. Ltd.) Village- Itoura, Bachwai, Karhi Pawai, Giduri And Rewra Tehsil- Raghuraj Nagar District Satna, MP- 485001	ULR No.: TC687225200000081F Test Report No.: CES/LAB/Noise/25/76 Dispatch No: 755 Issue Date : 01.04.2025 Client Ref: Nil Date : Nil
Sample Particulars: HEMM Noise Level Monitoring	Date of monitoring : 24.03.2025
Test required: As given below	Date of Receipt : 25.03.2025
Protocol for testing : IS-9989-2001	Date of commencement of testing : 25.03.2025
Sample collected by: CES representative	Sample condition at receipt : Ok
No of Location:-02	Sample tested as received : 25.03.2025

### TEST RESULTS

Sr. No	Location	Noise level in dB(A)	Total exposure shift of 8 Hr. T. N. Hrs. Min.	Protection level required
PC-220 Komatsu				
1	Inside of the cabin	63.80	6 hours	Ear plugs
2	Outside of the cabin			
	1m	62.40	6 hours	Ear plugs
	3m	58.70		
	5m	55.00		
Tipper-Tata HYVA				
3	Inside of the cabin	59.70	6 hours	Ear plugs
4	Outside of the cabin			
	1m	61.50	6 hours	Ear plugs
	3m	60.30		
	5m	57.40		

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:

NEELAM UPADHYAY  
TECHNICAL MANAGER

The Results relate only to the sample tested/ sampled

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-----\*End of Report\*-----

Authorized Signatory



SANTOSH KHANTAL  
QUALITY MANGAER

42,48, Doorsanchar Nagar, Near Savoy Complex, E-8 Extension, Gulmohar, Bhopal-462 039 (M.P.)

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# **THIRD-PARTY ENVIRONMENTAL COMPLIANCE AUDIT REPORT**

**Of**

## **ITOURA LIMESTONE MINE**

**Area- 747.817 ha.**

**Village – Itoura, Bachwai, KarhiPawai, Giduri, and Rewra,  
Tehsil – Raghurajnagar, District-Satna  
State- Madhya Pradesh**

**Client**

**M/s RCCPL Private Limited, Maihar  
RCCPL-Maihar  
RCCPL PVT LTD, MAIHAR,  
VILLAGE BHARAULI, POST- ITAHARA, NH-7, KATNI ROAD, MAIHAR,  
SATNA, MADHYA PRADESH - 485773**

**By**

**M/s VIRAT GLOBAL LAB  
(A Division of Aseries Envirotek India Private)**

**(QCI/NABET & NABL Accredited Consultant)  
Khasra No. 973(part), Sainik Vihar Phase-II, Near  
CRPF Camp Gate No.2, Bijnaur, Sarojni Nagar,  
Lucknow, (UP)- 226008**

## **1. BACKGROUND**

M/s RCCPL PRIVATE LIMITED were accorded environmental clearance for mining of limestone (0.8 MTPA) from a lease area of 747.817 ha located in village Itoura, Bachwai, KarhiPawai, Giduri and Rewra, tehsil Raghurajnagar, District Satna, Madhya Pradesh vide EC Identification No. - EC23A001MP171986 Date of Issue EC - 30/06/2023 **(Anneuxre-1)**, subject to compliance with specific and standard conditions. M/s VIRAT GLOBAL LAB (A Division of Aseries Envirotek India Private) were entrusted by M/s RCCPL Private Limited to conduct a third-party audit of status of compliance of the conditions specified in the EC letter. This third-party compliance report is based on the field observations made and monitoring conducted by experts from different functional areas of Aseries Envirotek India Private Limited during the period 14.1.2025 to 20.1.2025.

The purpose of the third-party audit is to gather and report information and evidence about conformity and compliance to all conditions specified in the Environmental Clearance accorded to the mining project.

## **2. BRIEF DESCRIPTION OF THE PROJECT:**

Itoura limestone mine of M/s. RCCPL Private Limited is spread over an area of 747.817 ha with a production capacity of 0.8 MTPA of limestone (ROM) from total excavation of 1.40 MTPA (0.80 MTPA of limestone, Waste/reject of 0.51 MTPA and top soil of 0.09 MTPA) at villages Itoura, Bachwai, Karhi Pawai, Giduri and Rewra, Tehsil Raghuraj Nagar, Satna District, Madhya Pradesh.

The mine lease area is located between latitude 24°36'34.73"N, Longitude: 24°35'36.72"N and Longitude 80°45'24.34"E, Longitude: 80°46'26.70"E.

The land area of the mine consists of 547.534 ha of private land and 200.283 ha of government land. The nearest town is Satna, located 2.0 km to the ESE. NH-75 (Panna-Khajuraho Road) is 140 m to the south, and the nearest Satna railway station is 4.1 km to the ESE.

Mining method is fully mechanized opencast with drilling and blasting for excavation of OB and limestone. Life of the mine is 50years.

## **3. About Project Proponent**

RCCPL Private Limited was formerly known as Reliance Cementation Private Limited, founded in 2007. The Company changed its name from Reliance Cementation Private Limited to Reliance Cement Company Private Limited in August 2011 and then to RCCPL Private Limited in August 2018. RCCPL Pvt Ltd operates an integrated unit of 3.60 MTPA clinker capacity at Maihar in Satna district in Madhya Pradesh along with satellite grinding units at Kundanganj in Uttar Pradesh and Butibori in Maharashtra. RCCPL is also executing an integrated unit of 2.90 MTPA clinker at Mukutban in Maharashtra State.

## **4. Project status**

Itoura Limestone Mine is a captive mine of RCCPL Private Limited. The Environment clearance for the mining operations was accorded in June 2023. Although the approved production capacity of the mine is 0.8 MTPA, the production is done as per requirements of the RCCPL Cement Plant at

Maihar. Mining in the lease area was October 2023. At present, the mining is being done at a very small scale. Total production during the FY 2023-24 (October, 23 to March, 24) was 235.08 Tons, whereas the same during the FY 2024-25 (April, 23 to February 25) was 106.24 Tons.

Details of excavation and production achieved from Oct 2023 to December, 2024 are as follows:

Total excavation: 49,007 cum

Top soil: 7,750 cum

Over burden: 41,121 cum

Limestone: 136.608 cum

Monthly productions and dispatches made since start of mining and up to February, 2025 are enclosed as **Annexure-2**.

## 5. COMPLIANCE STATUS


The status of compliance of the different conditions as verified during the site visit is as follows.

### 5.1 SPECIFIC CONDITIONS

Sl.	EC Condition	Compliance status
1.	State Pollution Control Board shall grant CTO only after the completion of green fencing with adequate height all around the school and the project proponent shall maintain green fencing till the shifting of school.	The M.P. Pollution Control Board granted Consent to operate vide letter no. 121568, dated 23.10.2024, which is valid up to <b>30/09/2025 (Annexure-3)</b> . RCCPL has provided green fencing around the school and shall maintained the fencing till the shifting of school.



2.	The conditions/preventive measures prescribed by the Railway Board, if any shall be complied by the Project Proponent and implementation status should be submitted to the IRO & Railway Board.	It was observed that the present mining area is at the minimum distance of 230m from the under-construction railway boundary. The PP confirmed that, in future also, no mining shall be done within 100m distance from the railway line, and the conditions/preventive measures prescribed by the Railway Board, if any, shall be complied with. The implementation status of these conditions and preventive measures shall be submitted to the IRO & Railway Board.
3.	The Project Proponent shall ensure that no mining activity will be carried out within 100m distance from Railway boundary.	It was observed that the present mine workings are at the minimum distance of 230m from the Railway boundary. RCCPL representative confirmed that, in future also, no mining shall be done within 100m distance from the railway line.
4.	The Project Proponent shall implement the recommendations of the Scientific study carried out by Rock Excavation Engineering Division, CSIR-Central Institute of Mining & Fuel Research, Dhanabad for assessment of blasting impacts on the under-construction railway line and for designing of controlled blasting patterns. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.	<p>It was observed that the mining activities are being carried out at the distance of more than 230m from the under-construction railway line. The mining is being done with the use of Heavy Earth Moving Machinery, without drilling and blasting. Log sheet showing use of HEMM are enclosed as <b>Annexure-4</b>.</p> <p>Further, the RCCPL representative confirmed that, once the mine becomes fully operational with the use of drilling and blasting, the recommendations of the study conducted by the Rock Excavation Engineering Division, CSIR-Central Institute of Mining &amp; Fuel Research, Dhanbad for assessment of blasting impacts on the under-construction railway line and for designing of controlled blasting patterns shall be implemented. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.</p>
5.	The Project Proponent shall monitor the ground induced blasting vibrations for every blast and the results are to be compared with the limiting values prescribed by Director General of Mine Safety (DGMS). PP shall ensure that the values of "peak particle velocity" and "Air	<p>Monitoring records of ground induced vibrations (peak particle velocity and air pressure) due to blasting are not available.</p> <p>RCCPL representative explained that, at present, the mining is being done with the use of HEMM, at a very small scale, without drilling and blasting. Once the mine becomes</p>

	Over Pressure" shall be maintained below the permissible values prescribed by the DGMS, from time to time. The data needs to be maintained and submitted along with the six-monthly compliance report.	fully operational, with the use of drilling and blasting, Peak Particle Velocity and Air Over Pressure cause during each and every blast shall be recorded and compared with the permissible values prescribed by the DGMS. The recorded data shall be preserved and submitted along with the six-monthly compliance reports.
6.	The Project Proponent shall adhere to the measures proposed for strengthening of mine pit and protection of railway line.	It was observed that no mining activities are undertaken within a 100-meter distance from the Railway boundary.  RCCPL representative conformed that the Company is committed to adhere to the proposed measures for strengthening the mine pit and ensuring the protection of the railway line. The implementation of these measures will be monitored regularly to assess their effectiveness and ensure compliance with the prescribed guidelines.
7.	The Project Proponent shall shift the educational institution within 5 years from the commencement of mining operations.	The mining has been started at a distance of approx. 900m from the educational institute. The PP expressed that proposal for shifting of the educational institute is in the planning stage, and appropriate location for relocating the school is being explored.
8.	The Project Proponent needs to implement the recommendations of the study carried out by NIT, Raipur for provision of engineering design of garland drains, check dams, check filters and embankment and its efficacy to mitigate the potential impact and protection of Satna River.	As per site observation, garland drains and the settling tank have been constructed around the area subjected to mining. The length of garland drain is 220m. The area under present mining activity is more than 2 km from the river. Bill for garland drain is attached as an <b>Annexure-5</b>
		



9. The Project Proponent shall ensure that the bund between the river shall be after the plantation where the Pit 11 and Pit 13 is indicated that the width is 8.5m and the total distance of the pit from the flood plain should be more than 60m.



As stated earlier, mining is being done at a distance of approx. 2 km from the river. Construction of the bund and the plantation will be undertaken as the mining progresses towards the river.

Project owners expressed commitment to ensure that the bund between the river will be constructed after the plantation area, where Pit 11 and Pit 13 are located. The width of the bund will be maintained at 8.5 meters, and the total distance from the pit to the floodplain will exceed 60 meters, as required.

10 In order to prevent the erosion of soil due to flooding etc. the Project Proponent shall undertake plantation of native and diversified species near the proposed embankment along the River Satna.

A Total 3,135 saplings have been planted within the lease area during FY -2023-2024 & 2024-2025 over 0.5 hectares, including plantation on the protective bund within the lease area. Out of which the survival of the saplings is in the financial year 2023-24, 600 saplings, and in the financial year 2024-25, approximately 1,500 saplings.



The plantation has been done on the protective bund near the current mine

		<p>workings. As per Company records, 100%. <b>(Plantation bill is attached as an Anneuxre-6)</b></p> <p>As the current mine working is approx. 2km from the river, plantation has not been carried out in the vicinity of river.</p>
11.	<p>The Project Proponent should install the continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate mine lease area for public display and shall be linked to server of CPCB/SPCB.</p>	<p>The project proponents have installed one Continuous Ambient air quality monitoring station at the site. The real time data displayed digitally at the exit gate of present working for public display.</p>
		
		
12	<p>The Project Proponent needs to install the permanent water sprinklers along the haul road and the approach road. Further, 10 nos. of fog canon/mist sprayer of at least 40m throw shall be installed at various locations in the mine area.</p>	<p>It was observed that a water tanker and a Fog Cannon are being operated for water sprinkling on the haul roads. The Water tanker and Fog Cannon appear adequate for the present level of mining.</p> <p>The project proponent expressed that permanent water sprinkling system along the haul road and the approach road, as well as 10</p>

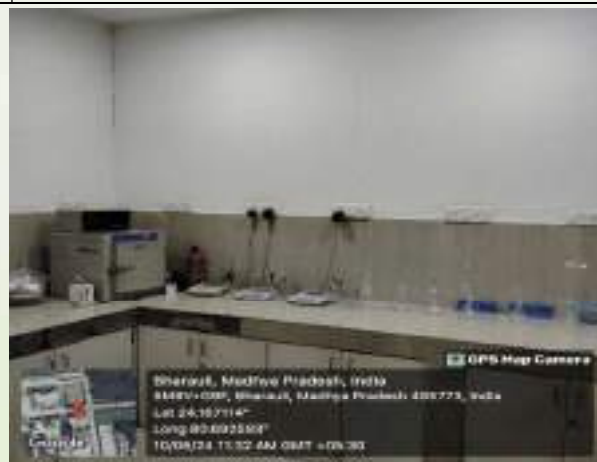
		Nos. of mist sprayers with more than 40m throw capacity shall be installed at various locations prone to generation of fugitive dust. These facilities shall be installed before the mine is fully operational.
	 	
	 	
13	The Project Proponent shall adhere to action plan for utilization of creation of water body of 189.64 ha for benefit of the agriculture, local people and community use.	Currently, there is only one active mine pit. RCCPL representative expressed that as and when fully worked out pits are available, these will be rehabilitated for creation of water bodies for the use by local people.
14	The Project Proponent should follow-up the status of implementation on Wildlife Conservation Plan from the Forest Officials and the same shall be submitted to the Ministry's Integrated Regional Office in the six-monthly compliance report.	Complied.  The Wildlife Conservation Plan was approved by Divisional Forest Officer, Satna Forest Divisio, vide letter No. Ma. Chi./691 dated 24 <sup>th</sup> January, 2023. As directed, the amount of Rs. 5 lakh was deposited to M.P. Tiger Foundation Society vide reference No. NEFT/ Wildlife

		Conservation Plan AXISP00364381467/200223003/MADHYAPRADESH TIG dated 20/02/2023.
15	<p>The Project Proponent shall undertake the adequate plantation in peripheral area and safety zone with the sapling of 10 ft height having at least 90% survival rate with a spacing of 2 x 2m and the plantation shall be completed within 3 years from the start of mining operations. Density of the plantation shall be 1500-2000 plants/ha. The casualties of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.</p>	<p>A Total 3,135 saplings have been planted within the lease area during FY -2023-2024 &amp; 2024-2025 over 0.5 hectares, including plantation on the protective bund within the lease area. Out which the survival of the saplings is in the financial year 2023-24, 600 saplings, and in the financial year 2024-25, approximately 1,500 saplings.</p> <p>The saplings have been planted with a spacing of 2m x 2m. The survival rate of the saplings is recorded as 100%.</p> <p>As the mining is being done on the 1<sup>st</sup> bench of mineral, bench for progressive bench plantation is not available.</p>





	
<p><b>16</b> The Project Proponent shall strictly follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z11013/57/2014-IA.II (M), dated 29th October, 2014.</p>	<p>RCCPL representative confirmed that all the mitigation measures mentioned in the MoEF&amp;CC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, are being followed.</p>
<p><b>17</b> The budget of Rs 2.40 Cr to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.</p>	<p>Concern action plan has been attached as an <b>Annexure-7</b></p> <p>As per the site observation, solar lights have been installed in the village of Dhankher Kalan, mine site, and Bachbai. (List is attached as an <b>Annexure-8</b>)</p> <p>In Bachbai, a water storage tank has been installed on the rooftop of the Aganwadi Kendra.</p>
<p><b>18</b> The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 17.584 Cr. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.</p>	<p>In the financial year 2023-24, the budget allocation for green belt development, fugitive dust control, manpower cost, installation of PCEs, and maintenance, environmental monitoring /equipment is ₹203.52 lakh. In the financial year 2024-25, the budget allocation for these activities is ₹112.04 lakh.</p> <p>The PP stated that the all the mitigation measures proposed under EMP will be implemented. At present, mining is done at a very small scale. The measures will be implemented when the mining is done as per the Mining Plan.</p>

19	<p>The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at mine site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.</p>	<p>The lease area is a captive mine of RCCPL's Cement plant at Bharauli, near Maihar, at a distance of approx. 50 km. The Cement Plant maintains a full-fledged environmental laboratory as well as a dedicated Environment Department. At present, the Environment Laboratory and the Environment Department at Bharauli is catering to the requirements of the small-scale mining activities in the lease area. The department is headed by a General Manager, supported by 1 Assistant manager and 2 Sr. Executives. Organization chart of the Environment Department attaches as <b>Annexure-9</b> and the list of available laboratory equipment attached as <b>Annexure-10</b>.</p>
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20	<p>The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its</p>	<p>M/s RCCPL have placed work order on M/s VIRAT GLOBAL LAB (A Division of Aseries Envirotek India Private), a NABET/QCI</p>
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	report shall be submitted to IRO, MoEF&CC.	accredited consultant Organization for EIA of Mining Projects for conducting third party audit of compliance of EC condions. The expert team from M/s Aseries Envirotek India Pvt. Ltd. visited the mine site from 14.1.2025 to 20.1.2025 to verify the status of compliance of the EC conditions.
		
21	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. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analysed periodically and improved accordingly.	Approximately 40 apprentice trainees have participated in the training program, holding qualifications such as PGDCA, B.Tech (E&I), Diploma (C.Tech), BSc (Chem), B.Tech (IT), B.Tech (Mech), B.Tech (Civil), and B.Tech (Mining). They have received training in IT, E&I, process, QA, mechanical, civil, and mining until February 2025. <b>Refer Annexure-11</b>
22	The Project Proponent shall explore the possibility of using at least 20% of electric vehicles/LNG/CNG instead of diesel operation.	As the mine is being operated at a very small scale, possibility of using electric vehicles or LNG/CNG powered vehicles has not been explored. RCCPL informed that Electric vehicles are being used at the other mines being operated by the company.  However, the PP confirmed that before the mine becomes fully operational, they would endeavour to use electric or clean fuel powered vehicles to the extent possible.
23	The Project Proponent shall provide the rainwater harvesting structure at mine office and other infrastructures.	At present, the mining is being done at a very small scale, with temporary Mine Office and Rest room. Therefore, rainwater harvesting structure is not installed in the lease area. RCCPL representatives stated that the RW harvesting system shall be constructed after

		construction of permanent Mine Office and associated infrastructure.
24	<p>The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&amp;CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report.</p>	<p>Project Proponent (PP) has carried out awareness programs among the local people working in the project area as well as its surrounding areas regarding the ban on single-use plastic (SUP), in line with the MoEF&amp;CC notification dated 12/08/2021.</p> <p>The PP confirmed that awareness programs were conducted during Environment Week (5th June) and Life Cycle Awareness events. After conclusion of the awareness programs, 1000 No. of cotton bags were distributed.</p>



25	<p>NoC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.</p>	<p>CGWA permission was obtained through letter CGWA NOC No. CGWA/NOC/MIN/ORIG/2022/14984 dated 03.17.2025, valid until 29.03.2026. CGWA NOC copy is attached as an <b>Anneuxre-12</b>.</p>
26	<p>The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs in line with the policy and guidelines of the Central/State Government, as provided under the law in such a way that the compensation should benefit the current and future generation.</p>	<p>The project is under initial stage of implementation, and mining is being done in a small area, away from habitations. Mining activities have not been carried out in the area where habitation and village are situated.</p> <p>There is no displacement of families in the project area. Land acquisition, mutual agreements, and compensation have been provided in accordance with state government regulations.</p>
27	<p>The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also monitor the health impacts due to mining activity.</p>	<p>Health status of mine workers is being monitored regularly. Copies of the health reports of Mr. Jahar Singh, Rohit Kumar Patel, and Mohit Kumar Patel from M.P. Birla Hospital and Priyamvada Birla Cancer Research Institute, Satna, have been reviewed. Health report is attached as an <b>Anneuxre-13</b>.</p> <p>Further, the Project Owners have also organized medical camp for local people, including a Rural Eye &amp; General Health Camp.</p> <p>This camp significantly improved the health and well-being of the villagers in the Karahi Kotar panchayat. A total of 205 people participated in the health camp. Of them, 118 individuals received free medicine, 88 underwent refraction, and 16 received free spectacles. Cataracts were identified in 6 individuals.</p>



**28** The mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.


Not applicable at this initial stage of mining, as no fully worked-out pits created till date.

RCCPL representative conformed that at the end of the mining, the disturbed areas shall be rehabilitated as per the approved Mining Plan. Part of the disturbed area will be filled with overburden and made suitable for growth of fodder and plantation. The remaining area will be converted into water body for public use.

## 5.2 STANDARD CONDITIONS

Sl.	EC Condition	Compliance status
<b>I</b>	<b>Statutory Compliance</b>	
1.	This Environmental Clearance (EC) is subject to orders/ 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.	The project representative confirmed the Company's commitment to abide by all the orders/judgments of the Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, and any other Court of Law, as well as the Common Cause Conditions, as may be applicable.
2.	The Project proponent complies with all the statutory requirements and judgment 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.	The project representative confirmed the Company's commitment to comply with all statutory requirements and the judgment of the Hon'ble Supreme Court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014, in the matter of Common Cause versus Union of India & Ors, before commencing mining operations.
3.	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 Judgment of Hon'bie Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	The project representative confirmed the Company's commitment to cooperate with the State Government in ensuring 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 Judgment of Hon'bie Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
4.	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-1A.II (M), 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 or Habitations and villages are surrounded by the mine lease area".	M/s RCCPL's designated representative confirmed to Company's commitment to follow the mitigation measures provided in the MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M), dated 29th October 2014, titled "Impact of mining activities on Habitations—issues related to mining projects wherein habitations and villages are part of the mine lease areas or are surrounded by the mine lease area".
5.	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation	M/s RCCPL's designated representative confirmed that copies of the Environmental Clearance (EC) letter were submitted to the concerned Panchayat and local NGO.

	has been received while processing the proposal.	
6.	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.	Not applicable, action to be taken by the State Pollution Control Board.
7.	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied,  The EC letter was issued on 30 <sup>th</sup> June 2023, and the grant of the EC letter was published in two local newspapers, Patrika and Dainik Bhaskar, on 3 <sup>rd</sup> and 4 <sup>th</sup> July 2023.

		
8.	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Not applicable as on date.  There is no change in the ownership of the mining lease.

II	Air quality monitoring and preservation	
9	<p>The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.</p>	<p>Complied partially.</p> <p>One Online Ambient Air Quality Monitoring Stations has been established near the working pit for continuous monitoring of PM10, PM2.5, NO2, CO and SO2. Air quality survey at the other two downwind sampling locations is being done NABL accredited Environmental Laboratories. The real time data displayed digitally for public display. The NABL Lab Approve Lab monitoring reports on Quarterly basis. Reports is attached as an <b>Annexure- 14</b>.</p>
10	<p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.</p>	<p>Regular water sprinkling is being done at major fugitive dust emission locations with Water tanker and Fog Cannon. The implementation of this measure will be monitored to ensure its effectiveness in controlling dust levels at the site.</p>

III.	Water quality monitoring and preservation	
11	<p>In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro geological study of the area.</p>	<p>At present, the mining is being done from the first mineral bench, after removal of the overburden. Ground water intersection is not envisaged for the next few years.</p> <p>However, RCCP representative expressed that the Company is committed to seek prior approval from CGWA, based on the detailed hydro geological report, well before the working approach the ground water table.</p>
12	<p>Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.</p>	<p>Project Proponent has implemented the necessary monitoring systems and established the required network of wells and piezometers. the records of groundwater levels and quality, ensuring that they are regularly monitored. The Ground water level is attached as an <b>Annexure-15</b></p> <p>The Ground water quality analysis reports is attached as an <b>Annexure-16</b>.</p>
13	<p>The Project Proponent shall undertake regular monitoring of natural water course/water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-a-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</p>	<p>The Ground &amp; surface water Analysis report monitoring is available and Report is submitted to MoEF&amp;CC regional office Bhopal, CGWA, SGWD and SPCB on six-monthly basis.</p> <p>The Ground &amp; surface water Analysis report is attached an <b>Annexure-16 &amp; 17</b>.</p>

	<p>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.</p>	
14	<p>Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines runoff; 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.11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	<p>No waste water is generated from the mining operation.</p> <p>RCCPL have constructed Garland drain with Settling Pits for control of surface run-offs from overburden and top soil dumps. No surface run-off was observed during the site visit.</p> <p>Display board provided in front of mine at public domain location.</p>
15	<p>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 Ground water Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.</p>	<p>At present, the mine is being operated at a very small scale, with temporary Mine Office and Rest Room. Hence, RWH system has not been constructed till date.</p> <p>RCCPL representative expressed commitment that on completion of construction of permanent Mine Office and other infrastructure, a scientifically designed RWH system shall be constructed and operated. System for monitoring of amount of water recharged shall also be implemented.</p>

16	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 Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	There is no workshop being operated by the Mine. Also, there is no waste water from the mining operation.
17	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.	At present, water consumption is primarily for drinking, plantation, and sprinkling for dust suppression. As the mine is not fully operational, total water consumption is approx. 20 KLD as per the following details. Potable water: 2 KLD Plantation: 8 KLD Dust suppression: 10 KLD  The RCCPL confirmed that all efforts are made to conserve water.
IV	<b>Noise and vibration monitoring and prevention</b>	
18	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	At present, mining is done at a very small scale, with HEMM and without drilling and blasting. Therefore, measurement records of peak particle velocity are not available.  RCCPL confirmed that the company is committed to monitor PPV for each blast at 500m or nearest habitation as per applicable DGMS guidelines.
19	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.	Currently, there is only one active mine pit, and the mining is being done at a very small scale. The mining activities, including excavation and transportation, are being done during day time only. Therefore, the nearby villages are not exposed to illumination or noise during night time.  Ambient Noise level measured periodically (Day and Night). Monitoring report are enclosed as <b>Annexure –18</b> .

20	<p>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.</p>	<p>Project Proponent committed to ensuring that noise levels are controlled below 85 dBA in the work environment. The workers engaged in operations of HEMM and other related activities has been provided with ear plugs or muffs, and all personnel working in dusty areas has been provided with protective respiratory devices. Ambient Noise Level monitoring report is attached as an <b>Annexure - 18</b>.</p> <p>Comprehensive training, awareness, and information on safety and health aspects have been provided to the workers involved in operations.</p>
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<b>V</b>	<b>Mining Plan</b>	
<b>21</b>	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 (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; etc.).	<p>Mining activities are being done as per the approved Mining Plan. The total excavation as well as top soil and over burden generation and production are much below the approved rate of mining, carrying out as per the approved mining plan. Only one mine pit is working. The mining is being done for extraction of mineral from the first bench.</p> <p>RCCPL confirmed that the company shall ensure total excavation/production and depth of mining are within approved Mining Plan.</p>
<b>22</b>	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP 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.	Mining activities is carrying out as per the approved mining plan. Only one mine pit is working.
<b>VI</b>	<b>Land reclamation</b>	
<b>23</b>	The Overburden (O.B.), waste and topsoil generated during the mining 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 / waste dumps/ topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	<p>As per records maintained by the Company, the quantum of wastes generated during the last two Financial Years are as follows.</p> <p>Over burden: 41,121 cum Top soil: 7,750 cum Total: 48,871 cum</p> <p>It was observed that the generated OB and top soil are staked separately at their respective earmarked dumps within the lease area.</p>
<b>24</b>	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	The overburden and top soil dumps are active. Further, these wastes shall be utilized, in future, for rehabilitation of the

	<p>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.</p>	<p>worked-out pits. Therefore, vegetation over the dumps is not observed.</p> <p>It was observed that the waste dumps are consolidated by compacting with dozers. The slopes provided to the dumps is also appropriate to ensure its stability.</p>
25	<p>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 collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.</p>	<p>Catch drains &amp; siltation ponds have been constructed to ensure that surface run-offs from Mine Working as well as the waste dumps are collected in the drains and pass through the settling pits. PP inform that the water collected in the settling pond being utilized for dust suppression by sprinkling over the mine area and internal roads, and also for watering the green belt and plantation.</p>
26	<p>Check dams of appropriate size, gradient and length shall 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.</p>	<p>Garland drains and the settling tank have been constructed around the area subjected to mining. The length of garland drain is 220m. The sedimentation pits/sumps is in construction phase at the corners of the garland drains.</p> <p>Mining is currently being carried out on a small scale. Once the mine reaches full operational phase, all the conditions will be implemented. Appropriate-sized check dams with proper gradient and length will be constructed around the mine pit and overburden (OB) dumps to prevent storm runoff and sediment flow into nearby water bodies. A safety margin of 50% will be considered in the design of sump structures, in addition to the peak rainfall (based on 50 years of data) and maximum</p>

		discharge in the mine and its surrounding area. This will ensure adequate retention time for proper sediment/silt settling.
<b>VII</b>	<b>Transportation</b>	
<b>27</b>	<p>No Transportation of the minerals shall be allowed in case of roads passing through villages! habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (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 (PUG) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].</p>	<p>Transportation of material, i.e., limestone is not done through village roads. National Highway No. 39 (NH-39) is located in the southern part of the lease area. The mined limestone is transported from the mine to the Cement plant at Bharauli through NH-39 and then through NH-1358G.</p> <p>RCCPL explained that the Company ensures that all vehicles transporting the material have a valid Pollution Under Control (PUC) certificate from authorized centres.</p> <p>The loaded trucks are covered with tarpaulin sheets to minimize dust emission or material spillage during transport.</p>
<b>28</b>	<p>The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control</p>	<p>It was observed that a water tanker and Fog Cannon have been deployed for water sprinkling on the haul roads.</p> <p>Mining is currently being carried out on a small scale. Once the mine becomes fully operational, permanent water sprinkling system shall be installed on the main main haulage road.</p>

	equipment's like bag filters, vacuum suction hoods, dry fogging system etc. 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. PP shall take necessary measures to avoid generation of fugitive dust emissions.	The Crusher Plant has not been constructed till date, and RoM is dispatched directly to the cement plant.
<b>VIII</b>	<b>Green Belt</b>	
<b>29</b>	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	In the financial year 2023-24, 600 saplings were planted, and in the financial year 2024-25, approximately 1,500 saplings were planted over 0.5 hectares as on 12.03.2025, including plantation on the protective bund within the lease area. Mining is currently being carried out on a small scale. Once the mine reaches full operational phase, all the conditions will be implemented.
<b>30</b>	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	In the financial year 2023-24, 600 saplings were planted, and in the financial year 2024-25, approximately 1,500 saplings were planted over 0.5 hectares as on 12.03.2025, including plantation on the protective bund within the lease area. Mining is currently being carried out on a small scale. Once the mine reaches full operational phase, all the conditions will be implemented.
<b>31</b>	The Project Proponent shall make necessary alternative 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	Project Proponent is committed to making alternative arrangements for livestock feed by developing grazing land to compensate for areas within the mine lease. This will be done in consultation with the State Government and in accordance with the directions of the Hon'ble Supreme Court.

	Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	The sparse trees on grazing grounds will be protected, and the plantation of such trees will be encouraged.
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<b>IX</b>	<b>Public hearing and human health issues</b>	
<b>32</b>	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	At present, semi-skilled and skilled workers for mine operation are drawn from nearby villages. Managerial staff of the Mine stay in rented accommodation at Satna. The employees commute to the mine site for performing their duties, and carry their lunch with them. Therefore, housing facilities, labour camps or canteen/cooking facilities have not been provided.  PP has installed STP 8 KLD MBBR technology but due to non-generation of waste water it is not in operation



X.	Corporate Environment Responsibility (CER)	
33	<p><b>The</b> Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&amp;CC Office. Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.</p>	<p>As per site observation, activities was initiated solar lights has been installed in village Dhankher kalan, mine site, Bachbai.</p> <p>In Bachbai Aganbadi Kendra water storage tank has been installed on the rooftop.</p>





XI	Miscellaneous	
34	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	As the mining operation was started less than 2 years back (in October 23), this condition is currently not applicable.  RCCPL confirmed that digital map showing land use and land cover of the entire lease area shall be prepared by December 28, and submitted to the concerned Regional Office of the MoEF&CC.
35	The Project Authorities should inform to the Regional 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.	Complied
36	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	The Project Proponent has been submitting the six-monthly compliance reports to the MoEF&CC, the Regional Office, CPCB, and SPCB within the prescribed time frame, and the evidence has been reviewed. A complaint has been raised on Parivesh to address the issues encountered during the online submission of environmental clearance. <b>Refer Anneuxre-19</b>
37	A separate 'Environmental Management Cell' with 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	'Environmental Management Cell' has been properly set up and is operating under the supervision of a qualified Senior Executive. The qualified Environmental Scientists and Mining Engineers have been appointed and that they are fulfilling their roles effectively.

	Engineers shall be appointed and submit a report to RO, MoEF&CC.	
<b>38</b>	The concerned Regional Office of the MoEF&CC shall 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.	RCCPL confirmed their commitment to extend full cooperation to the Regional Office of MoEF&CC during their random visit for monitoring compliance with the stipulated conditions.
<b>39</b>	In pursuant to Ministry's OM No 22-34/2018-IA.111 dated 16.01.2020 to comply with the direction made by 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 regressing 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 is fit for growth of fodder, flora, fauna etc.	Project Proponent has developed and implemented a comprehensive plan for land restoration in compliance with the Supreme Court's direction and the Ministry's OM. This includes reviewing the rehabilitation measures and ensuring that disturbed areas are restored effectively to support ecological balance.
<b>40</b>	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	RCCPL confirmed that the Company shall comply with any alteration or modification in the conditions stipulated by the Ministry.
<b>41</b>	Concealing factual data failure to comply with any or 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.	Project Proponent confirmed to ensure the accuracy of data and information with respect to the compliance of conditions stipulated by the Ministry.