



RCCPL Private Limited  
Village- Bharauli, Post – Itahara  
Tehsil – Maihar, District – Satna  
Pin – 485773 Madhya Pradesh

RCC/ENV/ECC(IU)/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:** Limestone Mining project of Environmental Clearance vide letter No. J-11015/63/2020-IA-II(NCM) (J-11011/700/2008-IA.II(I) dtd 18<sup>th</sup> September 2023) for expansion of Limestone production from 3.5 MTPA to 5.0 MTPA, Top Soil/Alluvium : 0.039 MTPA, Overburden : 0.628 MTPA, Mineral Reject/IB : 0.250 MTPA, (total excavation : 5.917 MTPA) within the mine lease area of 363.440 ha [Forest Land:66.359 ha + Non-Forest Land (Revenue land): 297.081 Ha] located at Village Sadhera at Tehsil Maihar, Dist. Satna (Madhya Pradesh) by M/s RCCPL Pvt. Ltd. - Compliance Report.

Dear Sir,

This has reference to Environmental Clearance vide letter no. J-11015/63/2020-IA-II(NCM) (J-11011/700/2008-IA.II(I) dtd 18<sup>th</sup> September 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



**Sadhera Limestone Mine (Captive Mines of RCCPL Pvt. Ltd.)**  
**(Environmental Clearance No.-J-11015/63/2020-IA-II(NCM) (J-11011/700/2008-IA.II(I) dtd 18/09/23)**

S. N.	Conditions	Compliance
A.	<b>SPECIFIC CONDITIONS</b>	
i	This Environmental Clearance will be valid up to the life of the mine i.e., 16 years.	Agreed and Noted for compliance.
ii	The Project Proponent shall monitor the ground induced blasting regularly for every blast performed and 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.	Noted for compliance, PPV data being monitored and submitting with six monthly compliance report.  Copy of monitoring Report enclosed as ANNEXURE – 1.
iii	At the end of the life of the mine, the Project Proponent shall convert the mine void of 182.83 ha into water reservoir/pisciculture.	At the end of the mine life, will convert the mine void of 182.83 ha into water reservoir/pisciculture.
iv	The Project Proponent needs to implement the water conservation measures as suggested in the EIA/EMP report.	Suggestion of EIA / EMP will be implement and comply. Roof top rain water harvesting structure in mine office has been constructed and pond deepening of village pond has been done. Dewatering water being use in mining operation and cement plant to reduce ground water withdrawal.
v	The Project Proponent shall ensure that the desilting should be carried out at regular intervals.	Desilting being carried out at regular intervals before monsoon
vi	The Project Proponent needs to make provision for permanent water sprinklers so as to reduce the water consumption. Further, 10 nos. of fog canon/mist sprayer of at least 40 m throw shall be installed at various locations in the mine area. Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.	Fog cannon mist spray with 40m through has been deployed for effective dust suppression at various location. Apart from fog cannon one truck mounted mist spray has also been deployed for sprinkling to arrest the fugitive dust emission at other part of mining lease area. Photographs enclosed as ANNEXURE – 1a
vii	The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. The se plantation shall be carried out in the vicinity of the crusher. The Stack emission monitoring of the Crusher shall be carried out at periodic intervals.	Complied, The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution.  We have deployed dedicated water tanker for regular water sprinkling on road for control of fugitive dust emission.  Stack emission monitoring reports for the period of April' 2024 to September 2024 is enclosed as ANNEXURE – 2
viii	The Project Proponent shall undertake the plantation over an area of 52.27 ha to be backfilled.	Agreed and being Complied, As on date total 70484 Nos have planted since inception in 34.32 hectare. Remaining 17.95 Ha area plantation work is in progress
ix	The Project Proponent needs to complete the targeted plantation for the year 2023-24 within two months from the issue of this EC and the same shall be submitted to the Ministry's Regional Office with documentary evidence. The Project Proponent needs to undertake the mixed planation with proper bund formation.	Complied,  Up to FY 2023-24 total plantation has been done 66212 nos at 27.42 hectare as per target. And report submitted with compliance report.



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x	The Project Proponent shall maintain and strengthen the bund on regular basis with a survival rate not less than 95%.	Noted for Complied,
xi	The Project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall implement the practice of drip irrigation for plantation.	Agreed and being Complied.
xii	The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.	Agreed and being Complied Monitored data reports are enclosed with compliance report <b>(Annexure – 1 to 10)</b>
xiii	The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 3.95 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 Regional Office.	EMP will be implemented as per plan and qualified environmental personnel has already been appointed for supervision of implementation. Implementation report will be submitted periodically.
xiv	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 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 within two years of grant of EC. Any non-compliance or infringement should be reported to the concerned authority.	We have established full-fledged environmental laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management is deployed at site for monitoring of air, water quality parameters.  As on non-compliance has not been observed
xv	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 for compliance status of EC condition has been done by NIT Delhi. Report awaited will submit with next compliance report.
xvi	The budget of Rs. 182.80 Laks 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 out comes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.	Noted for compliance
xvii	The Project Proponent needs to facilitate the online education system in the schools by providing Wi-Fi connectivity, smart classrooms and desktops/ tablets. PP shall construct a library which shall be made available to the school children as well as local people.	Noted for compliance



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xviii	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 work is carried out among the local people working in the project area as well as its surrounding area on ban of single use plastic (SUP) to ensure compliance of the notification published by MoEF&CC on 12/08/2021. Also under the Environment Week (5th June) and Life Cycle Awareness, we conducted awareness programs on Single Use Plastic (SUP) at various places and distributed cotton clothes bags.
xix	The Project Proponent shall supply the RO drinking water to the identified Villages throughout the year at free of cost.	Drinking water facility provided through construction of hand pump, bore well with overhead tank has been constructed and water tankers being deployed water scarcity area of villages.
xx	The Project Proponent shall explore the possibility of using at least 20% of Electric vehicles/ CNG/ Solar instead of diesel operation within three years.	Agreed and Being complied. 1. Electrical shovel being used for excavation of limestone. Due to which approximately 178.94 lakh liters of diesel are saved. 2. 5 KVA Solar power plant installed near mines area. 3. One electric vehicle (Dumper) procure for trial of transportation.
xxi	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.	NOC obtained from CGWA for withdrawal of ground water vide NOC no CGWA/NOC/MIN/REN/2/2025/11270  CTO obtained from MPPCB vide consent order No AW-61505 dated 07.01.2025
xxii	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. The preference shall be given to the local people for the purpose of employment.	Agreed and Noted for compliance. To enhance women skill. A Stitching centre is being operated at Sadhera.
xxiii	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 maintained.  Also, regular surveillance on Silicosis being carried out and regular occupational health check-up every year for mine workers. A mobile medical van with qualified Doctor is periodically visiting the village area and Medical camp being also organized time to



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		time for the benefit of local peoples under the CSR.
xxiv	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 Regional Office.	Mining is being carried out as per the approved mining plan. And final mine closure plan along with all details will be submitted to the Ministry's Integrated Regional Office in advance of final mine closure for approval.
<b>B. <u>STANDARD CONDITIONS</u></b>		
<b>I. <u>Statutory compliance</u></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.	We are abided to follow all the 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.
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.	We are complying all applicable statutory requirements and judgment of Hon'ble Supreme Court.
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'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.	We are complying all the statutory requirements and judgment of Hon'ble Supreme Court.  Also, the mining operations are being done according to directives of state government including Department of Mining & Geology and IBM.
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, All the conditions mentioned in the MoEF&CC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014 will be 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.	<b>Complied,</b> 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.	-
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	<b>Complied,</b> The grant of EC has been advertised in local newspapers Danik Bhasker & Rajasthan patrika on 24.09.2023 and copy of the same are enclosed as <b>ANNEXURE – 3</b>



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	Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	
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 ownership of mining lease.
<b>II.</b>	<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>Continuous Ambient air quality monitoring station are 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 using electronic display board in public domain.</p> <p>Ambient air quality monitoring results being submitted with compliance report</p> <p>Ambient air quality monitoring results for the current period is enclosed as <b>ANNEXURE – 4</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 standards prescribed by the MoEFCC/ Central Pollution Control Board.	<p>We have deployed dedicated water tanker for regular water sprinkling on haul road, loading area and during blasting.</p> <p>During limestone transportation all vehicle cover with tarpaulin.</p> <p>Ambient air quality monitoring results being submitted</p> <p>Ambient air quality monitoring results for the current period is enclosed as <b>ANNEXURE – 4</b>.</p>
<b>III.</b>	<b>Water quality monitoring and preservation</b>	
11)	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>NOC has been granted vide letter No. CGWA/NOC/MIN/REN/2/2025/11270 dtd-28/03/2025 from CGWA, New Delhi for abstraction and dewatering of ground water. NOC copy is enclosed as <b>ANNEXURE – 5</b>.</p> <p>Detailed Hydrogeological study of the area has been conducted through CGWA authorized agency.</p>
12)	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	The Ground water level & Analysis monitoring is being done regularly by established a network of ground water monitoring stations.



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	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.	Report is submitted to MoEF&CC regional office Bhopal, CGWA, SGWD and SPCB on six-monthly basis.  Ground water level & Analysis monitoring results for the current period is enclosed as <b>ANNEXURE – 6 &amp; 6a.</b>
13)	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.	The Ground water Analysis monitoring is being done regularly by established a network of ground water monitoring stations. Report is submitted to MoEF&CC regional office Bhopal, CGWA, SGWD and SPCB on six-monthly basis.  Ground water level & Analysis monitoring results for the current period is enclosed as <b>ANNEXURE – 6 &amp; 6a.</b>
14)	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.	Waste water generated from work sop is treated through treatment plant and domestic waste water by STP. All treated water being reused  Treated water monitoring reports is enclosed as <b>ANNEXURE-7</b>
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.	Activities related to water harvesting being initiated. Roof top water harvesting structure has been established in office area. Check dam across tumas River is constructed with storage capacity of 3.0 lakhs m3. Additional 6 pond (20709 m3) deepening work completed in this year, 4 in mines area.
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.	No Industrial waste water from mining operations. Work shop water being treated through oil and grease settling and separation plant. Treated water reuse



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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.	The water consumption is for drinking purpose, Plantation & Horticulture (Green belt development), Sprinkling on road and loading (Dust suppression).
<b>IV.</b>	<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.	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.	<p>We are continuously monitoring illumination and sound at night as per DGMS parameter to insure no disturbances to the habitants due to mining operations.</p> <p>Report being submitted periodically with six monthly compliance.</p> <p>Ambient noise monitoring reports for the current period is enclosed as <b>ANNEXURE-9</b>.</p>
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 provided to all workers. Noise monitoring being carried out to ensure compliance of Noise levels and results are showing well within prescribed limit 85 dBA in the work environment. HEMM Noise Monitoring Report for the current period is attached as <b>ANNEXURE-10</b> .
<b>V.</b>	<b>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.	<p>Noted for compliance.</p> <p>We assure that we will execute the mining operation strictly as per approved mining plan. The concurrent backfilling has been started as per mining plan. We further assure that compliance status regarding monitoring and management of rehabilitated areas will be submitted along with half-yearly to the MoEFCC and its concerned Regional Office. As on 8.6-hectare area has been reclaimed</p>
<b>VI.</b>	<b>Land reclamation</b>	



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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. overburden and soil generated during mining being stacked & governed as per the approved mine plan and guideline / circular issued by DGMS. During FY 2023-24 top soil 832855 M <sup>3</sup> generated and 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.	Noted for compliance.
25)	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.	Being compliance. Catch drains, settling tanks and siltation ponds of appropriate size have been constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off as per the proposal submitted to the Ministry. Collected water being utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. de-silted particularly after monsoon season, and maintained properly
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.	Siltation pond / reservoir has been constructed to store storm runoff and mine water to provide adequate retention time for proper settling of sediments and water being used for mining operation and cement plant.  sedimentation pits/ sumps have been constructed at the corners of the garland drains
<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	<b>Complied.</b> The mineral being transported within the lease area only through haul road up to the crusher. From crusher, the limestone being transported through covered belt conveyer to the cement plant. No village road being utilized for the transportation of mineral.



**Sadhera Limestone Mine (Captive Mines of RCCPL Pvt. Ltd.)**

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	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 centres. [If applicable in case of road transport].	Pollution Under Control (PUC) certificate for all the vehicles are maintained. PUC copy is attached as <b>ANNEXURE-10</b> .
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.	<b>Complied.</b> Fog cannon mist spray with 40m through has been deployed for effective dust suppression at various location. Apart from fog cannon one truck mounted mist spray has also been deployed for sprinkling to arrest the fugitive dust emission at other part of mining lease area. Pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc. has been installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor is fully covered to avoid generation of dust while transportation.
<b>VIII.</b>	<b>Green Belt</b>	
29)	The Project Proponent shall develop greenbelt in 7.5 m 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.	As on date total 70484 Nos have planted since inception in 34.32 hectare. Remaining 17.95 Ha area plantation work is in progress
30)	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.	We have developed greenbelt along lease boundary and maintaining the density 2500 sapling per hectare with native type of species in consultation with local DFO.
31)	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	Noted for compliance.



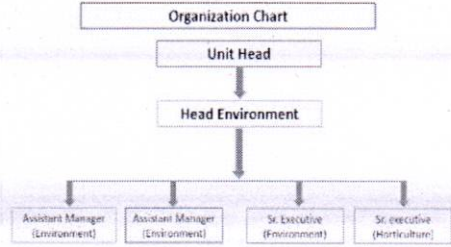
**Sadhera Limestone Mine (Captive Mines of RCCPL Pvt. Ltd.)**

**(Environmental Clearance No.-J-11015/63/2020-IA-II(NCM) (J-11011/700/2008-IA.II(I) dtd 18/09/23)**

	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.	
<b>IX.</b>	<b>Public hearing and human health issues</b>	
32)	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.	Not applicable as it is existing mine. There is no requirement of any type of labour or work force.
<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.	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) will 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.	Shall 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.	Complied We are submitting six monthly compliance report 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.



**Sadhera Limestone Mine (Captive Mines of RCCPL Pvt. Ltd.)**  
**(Environmental Clearance No.-J-11015/63/2020-IA-II(NCM) (J-11011/700/2008-IA.II(I) dtd 18/09/23)**

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.	<p>Complied</p> <p>A separate 'Environmental Management Cell' with full-fledged laboratory facilities has been developed under the control of a Senior Executive who reports directly to Unit Head.</p>  <pre> graph TD     OC[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 (Horticulture)] </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 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.
40)	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
41)	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



Date/Time Vert at 13:27:25 December 19, 2024  
 Trigger Source Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
 Range Geo: 254.0 mm/s  
 Record Time 2.0 sec at 1024 sps  
 Operator/Setup: Operator/RCCPL.mmb

Serial Number UM12753 V 10-88 Micromate ISEE  
 Battery Level 3.7 Volts  
 Unit Calibration July 20, 2024 by UES New Delhi  
 File Name UM12753\_20241219132725.IDFW

### Notes

Location: SADHERA LIMESTONE MINE  
 Client: M/s RCCPL PRIVATE LIMITED MAIHAR  
 User Name: GULUBAS MANIK  
 General: VIBRATION MONITOR

### Post Event Notes

Blasted 40 Holes in 2nd Bench with S\*B\*D is 5.0\*4.0\*9.0 Mtrs  
 having Avg./Charge/Holes is 47.470 Kgs Micromate is Placed at  
 Distance of 220.Mtrs from the Blasting face near jamuani road side

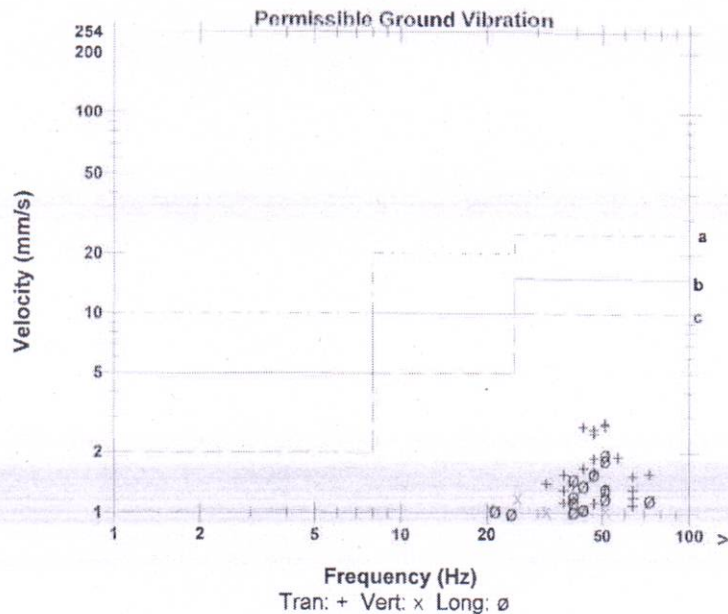
### Extended Notes

Microphone Linear Weighting  
 PSPL <0.500 pa.(L)  
 ZC Freq 43 Hz  
 Channel Test Passed (Freq = 19.7 Hz Amp = 1190 mv )

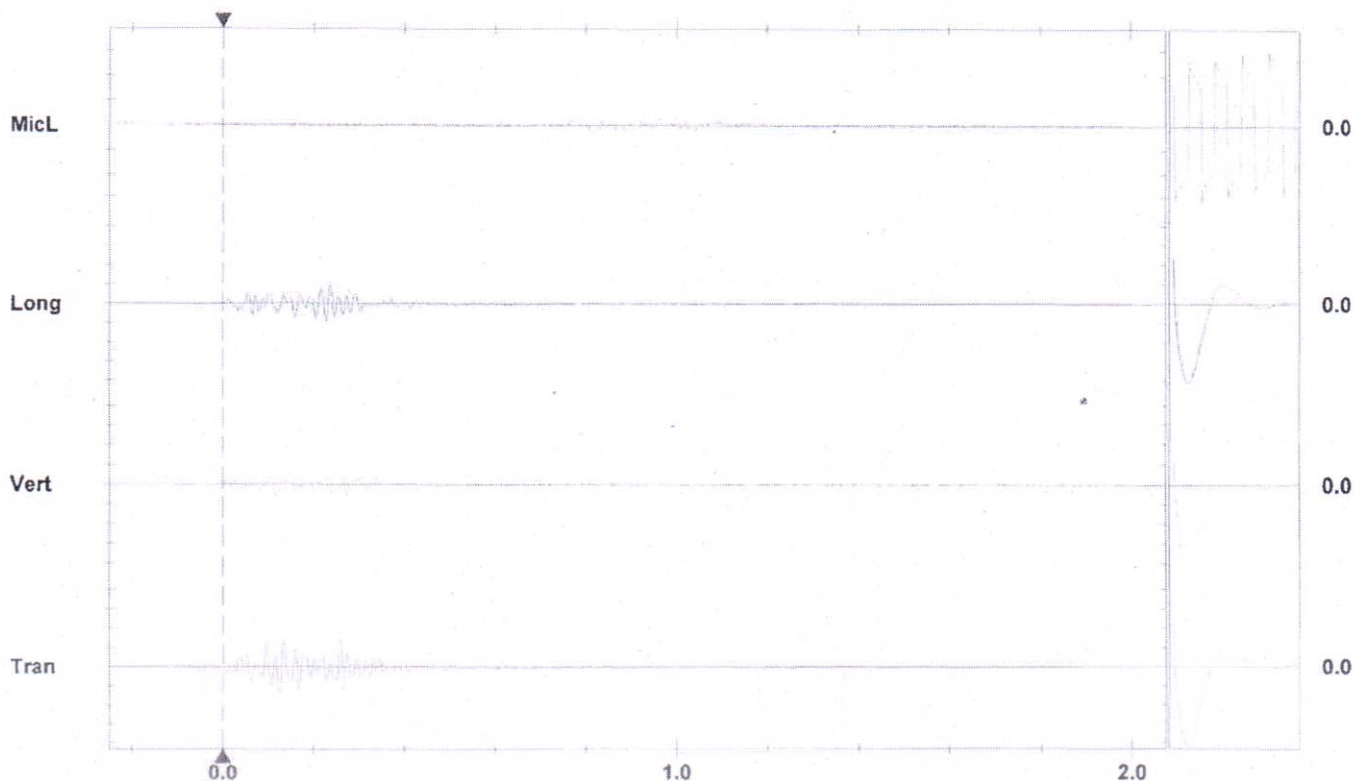
	Tran	Vert	Long	
PPV	2.782	1.198	1.970	mm/s
ZC Freq	51	26	51	Hz
Time (Rel. to Trig)	0.260	0.149	0.236	sec
Peak Acceleration	0.089	0.035	0.067	g
Peak Displacement	0.012	0.008	0.006	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.3	7.3	Hz
Overswing Ratio	3.9	4.0	4.0	

Peak Vector Sum 2.850 mm/s at 0.125 sec  
 N/A: Not Applicable

### DGMS India (A)



- a) Industrial Buildings
- b) Domestic houses/structures
- c) Historic objects, sensitive structures



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div  
 Trigger =

Sensor Check



**Date/Time** Tran at 16:14:23 March 22, 2025  
**Trigger Source** Geo: 0.500 mm/s, Mic: 2.000 pa.(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec at 1024 sps  
**Operator/Setup:** Operator/RCCPL.mmb

**Serial Number** UM12753 V 10-88 Micromate ISEE  
**Battery Level** 3.7 Volts  
**Unit Calibration** July 20, 2024 by UES New Delhi  
**File Name** UM12753\_20250322161423.IDFW

## Notes

**Location:** SADHERA LIMESTONE MINE  
**Client:** M/s RCCPL PVT.LTD MAIHAR  
**User Name:** GULUBAS MANIK  
**General:** VIBRATION MONITOR

## Post Event Notes

Blasted 14 Holes in 2nd Bench with S\*B\*D is 5.0\*4.0\*7.0 Mtrs having Avg./Charge/Holes is 30.58 Kgs Micromate is Placed at Distance of .228.Mtrs from the Blasting face near village side

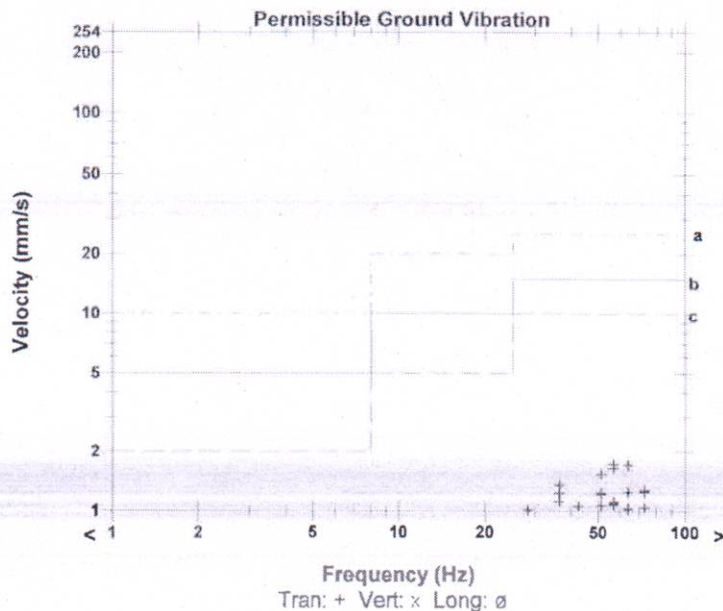
## Extended Notes

**Microphone** Linear Weighting  
**PSPL** <0.500 pa.(L)  
**ZC Freq** 8.3 Hz  
**Channel Test** Passed (Freq = 19.7 Hz Amp = 1144 mv )

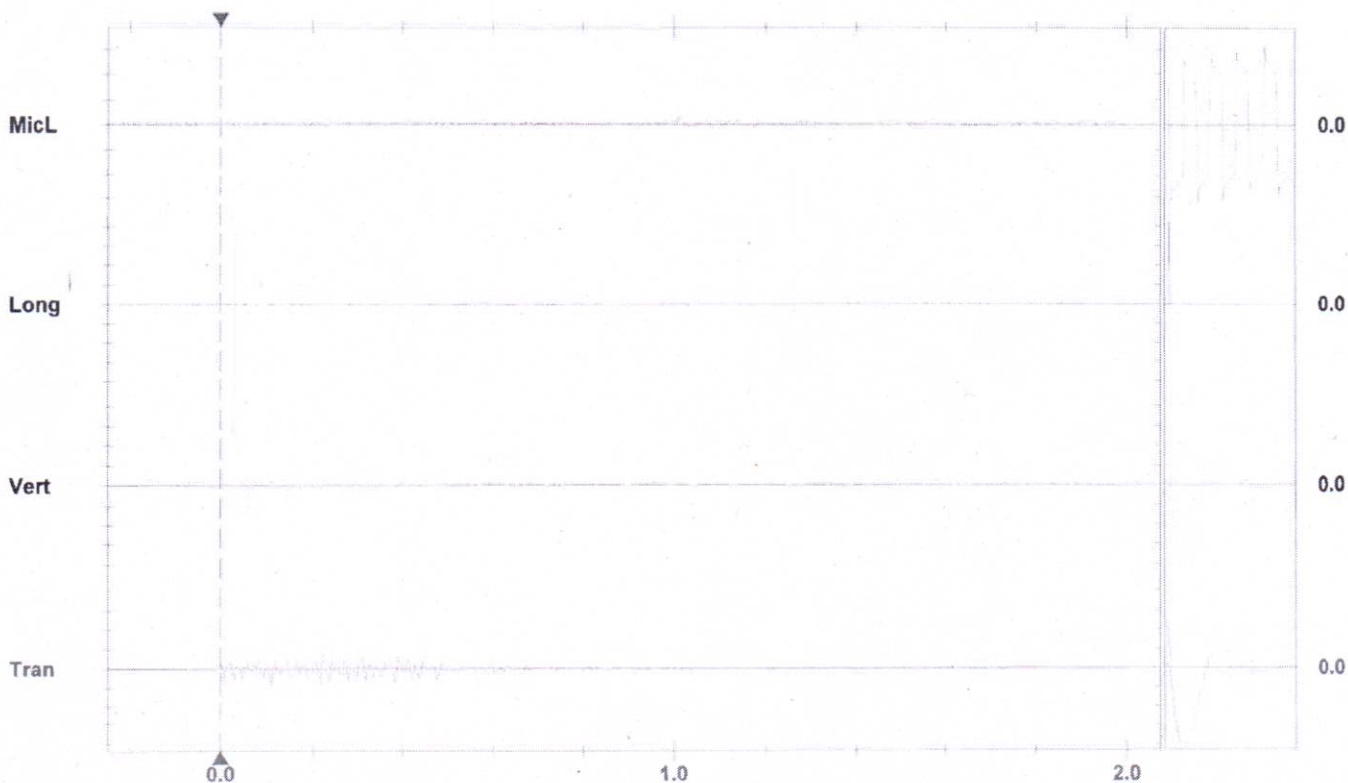
	Tran	Vert	Long	
PPV	1.718	0.883	0.047	mm/s
ZC Freq	57	51	51	Hz
Time (Rel. to Trig)	0.222	0.160	0.878	sec
Peak Acceleration	0.086	0.046	0.004	g
Peak Displacement	0.005	0.014	0.000	mm
Sensor Check	Passed	Passed	Check	
Frequency	7.3	7.5	1024.0	Hz
Overswing Ratio	3.9	3.9	0.0	

**Peak Vector Sum** 1.792 mm/s at 0.109 sec  
**N/A:** Not Applicable

## DGMS India (A)



- a) Industrial Buildings
- b) Domestic houses/structures
- c) Historic objects, sensitive structures



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div  
**Trigger** =

Sensor Check





# 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

### STACK MONITORING SURVEY REPORT

Name & Address of the Customer To, M/S RCCPL Pvt. Ltd. Village- Sadhera, Tehsil- Maihar, District Satna, MP-485773. Location:-Sadhera limestone mine Maihar Satna (M.P.)	ULR No.: TC687225500000120F Test Report No:-CES/LAB/Stack/25/43 Dispatch No: 745 Issue Date: 01.04.2025 Client Ref: Nil Date : Nil
Method of test : IS: 11255	Sampling Details
Wind speed & Wind Direction - 9 Km/h & SE, RH - 35%	Sample Monitored : Stack
Sample Collected By CES Representative	Date of Sampling : 20.03.2025
Page no. 1 of 1	Date of Receipt : 25.03.2025
No. of Sampling Locations -01	Period of testing : 25.03.2025 to 01.04.2025
Atmospheric condition: Clear	Serial No. of sample : 43/1

S. No.	Stack Details	Stack No. 1 (43/1)
1	Date of Sample	20.03.2025
2	Location of Stack	Limestone Crusher
3	Diameter of stack in m	1.45
4	Ambient Temp. (°C)	32
5	Flue gas Temp. (°C)	103
6	Exit Velocity of the flue gases (m/sec)	5.47
7	Flue gas flow rate (Nm <sup>3</sup> /hr)	24748.95
	Parameters	Pollutant Concentration (mg/Nm <sup>3</sup> )
	Particulate matter (PM) -Part -1-2003	18.36

MPPCB standard for TPM as per consent to operate < 150mg/NM<sup>3</sup>

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

Checked By:

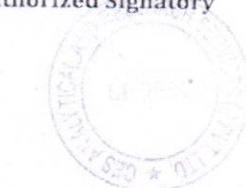
NEELAM UPADHYAY  
TECHNICAL MANAGER

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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Annexure-3

Annaxure-4

### आम सूचना

सर्वसाधारण को सूचित किया जाता है कि मे. आरसीसीपीएल प्राइवेट लिमिटेड की सड़ेरा चूना पत्थर खदान, जिसकी उत्पादन क्षमता विस्तार 3.5 मि. टन प्रतिवर्ष से 5.0 मि. टन प्रतिवर्ष चूना पत्थर, 0.628 मि. टन प्रतिवर्ष अपशिष्ट/रिजेक्ट, 0.039 मि. टन प्रतिवर्ष ऊपरी मृदा/जलोढ़ (कुल उत्खनन 5.917 मि. टन प्रतिवर्ष) तथा कुल रकबा 363.440 हेक्टेयर ग्राम सड़ेरा, तहसील मैहर, जिला सतना (मध्य प्रदेश) को पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्र संख्या J-11015/63/2020-IA-II(NCM) (J-11011/700/2008-IA,II(I) दिनांक 18/09/2023 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 [www.parivesh.nic.in](http://www.parivesh.nic.in) पर उपलब्ध है।

**आरसीसीपीएल प्राइवेट लिमिटेड- मैहर, सतना (म.प्र.)**

Sun, 24 September 2023  
दैनिक भास्कर  
<https://epaper.bhaskarhindi.com/c/73518>

पत्रिका {मध्यप्रदेश} SUNDAY

### आम सूचना

सर्व साधारण को सूचित किया जाता है कि मे. आरसीसीपीएल प्राइवेट लिमिटेड की सड़ेरा चूना पत्थर खदान, जिसकी उत्पादन क्षमता विस्तार 3.5 मि. टन प्रतिवर्ष से 5.0 मि. टन प्रतिवर्ष चूना पत्थर 0.628 मि. टन प्रतिवर्ष अपशिष्ट/रिजेक्ट, 0.039 मि. टन प्रतिवर्ष ऊपरी मृदा/जलोढ़ (कुल उत्खनन 5.917 मि. टन प्रतिवर्ष) तथा कुल रकबा 363.440 हे. ग्राम सड़ेरा तहसील मैहर, जिला सतना म.प्र. को पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्र संख्या J-11015/63/2020-IA-II (NCM) J-11011/700/2008-IA, II(I) दिनांक 18.09.2023 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 [www.parivesh.nic.in](http://www.parivesh.nic.in) पर उपलब्ध है।

**आरसीसीपीएल प्राइवेट लिमिटेड-मैहर, सतना (म.प्र.)**





# 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

AMBIENT AIR QUALITY REPORT			
Name & Address of the Customer To, M/S RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773		ULR No: TC687225100000252F Test Report No:-CES/LAB/Air/25/69 Dispatch No: 745 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	: 19.03.2025
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 -04		Duration of sampling	: 8 hrs
Atmospheric condition : Clear		Serial No. of samples	: 69/1

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Near Crusher (69/1)
1	Date of Sampling		19.03.2025
2	Wind direction		S
3	Wind speed km/h		6
4	Relative Humidity %		13
5	Ambient Temp. (°C)		35
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	60.45
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	30.20
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	11.48
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	14.70
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

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\*-----

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

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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



TC-6872

## TEST REPORT

AMBIENT AIR QUALITY REPORT		
Name & Address of the Customer To, M/S RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No: TC687225100000253F Test Report No:-CES/LAB/Air/25/69 Dispatch No: 745 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	: 19.03.2025
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 -04	Duration of sampling	: 8 hrs
Atmospheric condition : Clear	Serial No. of samples	: 69/2

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Near Magazine (69/2)
1	Date of Sampling		19.03.2025
2	Wind direction		S
3	Wind speed km/h		6
4	Relative Humidity %		13
5	Ambient Temp. (°C)		35
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	62.30
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	29.64
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	8.22
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	12.48
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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# CES ANALYTICAL AND RESEARCH SERVICES (I) PVT. LTD.

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



## TEST REPORT

AMBIENT AIR QUALITY REPORT		
Name & Address of the Customer To, M/S RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No: TC687225100000254F Test Report No:-CES/LAB/Air/25/69 Dispatch No: 745 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	: 19.03.2025
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 -04	Duration of sampling	: 8 hrs
Atmospheric condition : Clear	Serial No. of samples	: 69/3

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Sadhera Village Boundary (69/3)
1	Date of Sampling		19.03.2025
2	Wind direction		S
3	Wind speed km/h		6
4	Relative Humidity %		13
5	Ambient Temp. (°C)		35
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	58.60
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	30.51
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	9.30
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	12.78
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

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\*-----

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



TC-6872

## TEST REPORT

AMBIENT AIR QUALITY REPORT	
Name & Address of the Customer To, M/S RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No: TC687225100000255F Test Report No:-CES/LAB/Air/25/69 Dispatch No: 745 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 : 19.03.2025
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 -04	Duration of sampling : 8 hrs
Atmospheric condition : Clear	Serial No. of samples : 69/4

AMBIENT AIR QUALITY RESULTS			
S. No.	Parameters	NAAQ Standards (industrial area)	Pollutant Concentration Shri nagar Village Boundary (69/4)
1	Date of Sampling		19.03.2025
2	Wind direction		S
3	Wind speed km/h		6
4	Relative Humidity %		13
5	Ambient Temp. (°C)		35
	Parameters		Pollutant Concentration
1	Particulate matter (size less than 10µm) or PM <sub>10</sub> (µg/m <sup>3</sup> )	100	51.70
2	Particulate matter (size less than 2.5µm) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	60	27.60
3	Sulphur Di-Oxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	80	11.36
4	Oxide of Nitrogen (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	80	14.50
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

The Results relate only to the sample tested/ sampled

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

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

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Annexure-5

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:	M/s Sadhera Limestone Mine (a Capitive Mine Of Reliance Cement)						
Project Address:	Reliance Cement Co. Pvt. Ltd, Nh-7, Village Bharauli. Po. Itahara						
Village:	Sadhera			Block:	Maihar		
District:	Satna			State:	Madhya Pradesh		
Pin Code:							
Communication Address:	M/s Sadhera Limestone Mine (a Capitive Mine Of Rccpl Pvt Ltd), Rccpl Pvt Ltd (formerly Reliance Cement Co. Pvt. Ltd.), Village Bharauli, Post Itahara., Maihar, Satna, Madhya Pradesh - 485773, 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. <b>NOC No.:</b>	CGWA/NOC/MIN/REN/2/2025/11270	2. <b>Date of Issuance</b>	28/03/2025									
3. <b>Application No.:</b>	21-4/380/MP/MIN/2016	4. <b>Category:</b> (GWRE 2024)	Semi Critical									
5. <b>Project Status:</b>	Existing With Additional Ground Water Requirment	6. <b>NOC Type:</b>	Renewal									
7. <b>Valid from:</b>	27/04/2024	8. <b>Valid up to:</b>	26/04/2026									
9. <b>Ground Water Abstraction Permitted:</b>												
<b>Fresh Water</b>		<b>Saline Water</b>		<b>Dewatering</b>		<b>Total</b>						
m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year					
10.00	3650.00			997.00	363905.00	1007.00	367555.00					
10. Details of ground water abstraction /Dewatering structures												
<b>Total Existing No</b>						<b>Total Proposed No</b>						
	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	3	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
11. <b>Ground Water Abstraction/Restoration Charges paid (Rs.):</b>							3727291.00					
12. <b>Environment Compensation (if applicable) paid (Rs.):</b>							0.00					
13. <b>Number of Piezometers(Observation wells) to be constructed/ monitored &amp; Monitoring mechanism.</b>	<b>No. of Piezometers</b>						<b>Monitoring Mechanism</b>					
							Manual		DWLR**		DWLR With Telemetry	
**DWLR - Digital Water Level Recorder	2						0		1		1	

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

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**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).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

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

---

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Phone: (011) 23383561 Fax: 23382051, 23386743

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

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Recognized by MoEF & CC, Accredited by  
ISO/IEC-17025:2017 (NABL)  
(An ISO 9001:2015, 14001:2015 & 45001:2018)

TEST REPORT CODE: VGL/WL/25/01/29/005-009

TEST REPORT ISSUE DATE: 03.02.2025

### WATER LEVEL MONITORING REPORT

Name And Address of Customer : SADHERA LIMESTONE MINE AREA  
(Unit of RCCPL PVT LTD)  
TEHSIL- MAIHAR, DISTRICT SATNA, MP-485773  
Date of Monitoring : 27.01.2025  
Monitoring Done By : MR. ASHISH KUMAR

### RESULT

S.No.	Location	Water Level (Below Ground Level)- Meter
1	PIEZOMETER (SHALLOW)	7.2
2	PIEZOMETER (DEEP)	7.1
3	KAUSHAL PRASAD (WELL)	6.8
4	LALLA PARIHAR (WELL)	6.7
5	HOSIYAR SINGH (WELL)	6.3

Page 1 of 1

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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. 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/N-009

TEST REPORT ISSUE DATE: 03.02.2025

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

Name and Address of Customer	: SADHERA LIMESTONE MINE AREA (Unit of RCCPL PVT LTD) TEHSIL- MAIHAR, DISTRICT SATNA, MP-485773
Location of Sample	: PIEZOMETER (SHALLOW)
Sample Description	: GROUND WATER
Date & Time of Sampling	: 27.01.2025 12:10 PM
Sample Collected by	: MR. ASHISH KUMAR
Environmental Condition (Temp. & RH)	: 26.5 °C & 56 %
Sample Packing	: SEALED
Sample Id No.	: 009
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	8.12	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.4	°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	308.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	556.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	283.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	66.4	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	21.3	mg/L	30	100
11.	Sodium	APHA 3500 Na. A+B	35.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.61	mg/L	-	-

Page 1 of 3

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

D. K. Yadav  
Authorized Signatory  
Lab In-charge



TEST REPORT CODE: VGL/W/25/01/29/009

TEST REPORT ISSUE DATE: 03.02.2025

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

13.	Sulfate	APHA 4500-PD	50.4	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	13.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO3- B	12.4	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	65.7	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	0.23	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

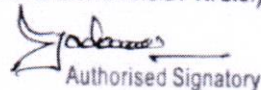
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2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15 days.
4. The above Results are related to the tested sample only.

Review By:

  
**Dr. Ashok Kumar**  
Technical Manager

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

  
Authorized Signatory

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



TEST REPORT CODE: VGL/W/25/01/29/009

TEST REPORT ISSUE DATE: 03.02.2025

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

**TEST RESULTS**

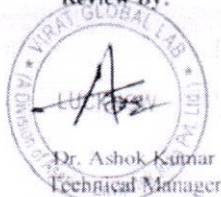
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

**Note:**

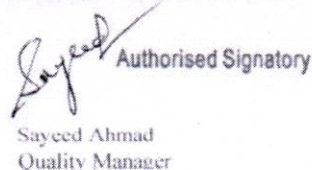
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- The sample will be destroyed after 3days from the date of issue of test certificate unless otherwise specified.
- Any discrepancy in test result should be reported within 3Days.
- 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/25/01/29/010

TEST REPORT ISSUE DATE: 03.02.2025

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

**Name and Address of Customer** : SADHERA LIMESTONE MINE AREA  
**(Unit of RCCPL PVT LTD)**  
TEHSIL- MAIHAR, DISTRICT SATNA, MP-485773  
**Location of Sample** : **PIEZOMETER (DEEP)**  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 27.01.2025 12:30 PM  
**Sample Collected by** : MR. ASHISH KUMAR  
**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %  
**Sample Packing** : SEALED  
**Sample Id.No.** : 010  
**Laboratory Sample Receiving Date** : 29.01.2025  
**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025  
**Method of Sampling** : APHA 1060B & 9060A

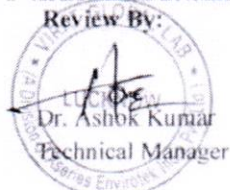
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.97	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.4	°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	298.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	485.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	268.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	57.0	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	21.5	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	24.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.48	mg/L	-	-

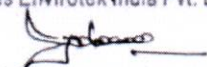
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**Review By:**  
  
**Dr. Ashok Kumar**  
**Technical Manager**

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

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



TEST REPORT CODE: VGL/W/25/01/29/010

TEST REPORT ISSUE DATE: 03.02.2025

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

13.	Sulfate	APHA 4500-PD	51.3	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	11.5	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	64.7	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	0.26	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

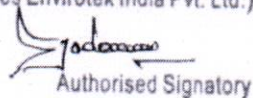
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Review By:  
  
**Dr. Ashok Kumar**  
 Technical Manager

**VIRAT GLOBAL LAB**  
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**D. K. Yadav**  
 Lab In-charge



TEST REPORT CODE: VGL/W/25/01/29/010

TEST REPORT ISSUE DATE: 03.02.2025

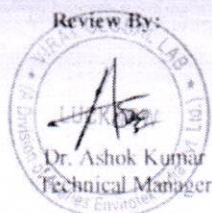
**TEST REPORT (WATER)**  
**PART – B (BIOLOGICAL)**
**TEST RESULTS**

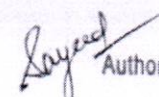
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

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

  
**Authorised Signatory**  
Sayeed Ahmad  
Quality Manager



TEST REPORT CODE: VGL/W/25/01/29/011

TEST REPORT ISSUE DATE: 03.02.2025

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

**Name and Address of Customer** : SADHERA LIMESTONE MINE AREA  
(Unit of RCCPL PVT LTD)  
TEHSIL- MAIHAR, DISTRICT SATNA, MP-485773  
**Location of Sample** : KAUSHAL PRASAD (WELL)  
**Sample Description** : GROUND WATER  
**Date & Time of Sampling** : 27.01.2025 12:50 PM  
**Sample Collected by** : MR. ASHISH KUMAR  
**Environmental Condition (Temp. & RH)** : 26.5 °C & 56 %  
**Sample Packing** : SEALED  
**Sample Id No.** : 011  
**Laboratory Sample Receiving Date** : 29.01.2025  
**Duration of Sample Analysis** : 29.01.2025 TO 03.02.2025  
**Method of Sampling** : APHA 1060B & 9060A

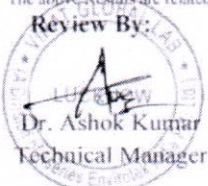
**TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.92	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	24.9	°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	236.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	456.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	245.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	48.5	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	16.9	mg/L	30	100
11.	Sodium	APHA 3500 Na. A+B	28.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.58	mg/L	-	-

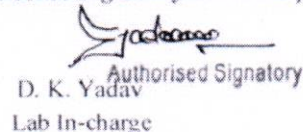
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**Review By:**  
  
Dr. Ashok Kumar  
Technical Manager

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

  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/25/01/29/011

TEST REPORT ISSUE DATE: 03.02.2025

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


13.	Sulfate	APHA 4500-PD	61.8	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	17.0	mg/L	-	-
15.	Nitrate Nitrogen	APHA 4500-NO <sub>3</sub> - B	14.3	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-ClB	BDL	mg/L	0.2	1.0
17.	Chloride	APHA 4500 ClA+B	59.3	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	0.23	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

**Note:**

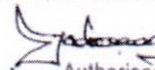
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**Review By:**



**Dr. Ashok Kumar**  
Technical Manager

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

**Authorized Signatory**


**Authorised Signatory**

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



TEST REPORT CODE: VGL/W/25/01/29/011

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		

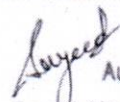
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3. Any discrepancy in test result should be reported within 3Days.
4. The above Results are related to the tested sample only.

Review By:  
  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorised Signatory  
Sayeed Ahmad  
Quality Manager



TEST REPORT CODE: VGL/W/25/01/29/012

TEST REPORT ISSUE DATE: 03.02.2025

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

<b>Name and Address of Customer</b>	: SADHERA LIMESTONE MINE AREA (Unit of RCCPL PVT LTD) TEHSIL- MAIHAR, DISTRICT SATNA, MP-485773
<b>Location of Sample</b>	: LALLA PARIHAR (WELL)
<b>Sample Description</b>	: GROUND WATER
<b>Date &amp; Time of Sampling</b>	: 27.01.2025 01:10 PM
<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>	: 012
<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**

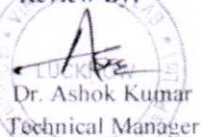
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	8.42	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.0	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	285.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	532.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	289.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	61.5	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	20.3	mg/L	30	100
11.	Sodium	APHA 3500 Na- A+B	27.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.62	mg/L	-	-

Page 1 of 3

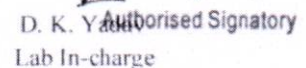
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Review By:

  
Dr. Ashok Kumar  
Technical Manager

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

  
D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/25/01/29/012

TEST REPORT ISSUE DATE: 03.02.2025

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

13.	Sulfate	APHA 4500-PD	52.4	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	16.5	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	0.26	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

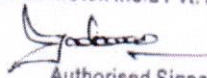
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Review By:  
  
**Dr. Ashok Kumar**  
Technical Manager

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

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



TEST REPORT CODE: VGL/W/25/01/29/012

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		

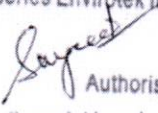
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Review By:  
  
Dr. Ashok Kumar  
Technical Manager

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

  
Authorized Signatory  
Sayeed Ahmad  
Quality Manager



TEST REPORT CODE: VGL/W/25/01/29/013

TEST REPORT ISSUE DATE: 03.02.2025

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

<b>Name and Address of Customer</b>	: SADHERA LIMESTONE MINE AREA (Unit of RCCPL PVT LTD) TEHSIL- MAIHAR, DISTRICT SATNA, MP-485773
<b>Location of Sample</b>	: HOSIYAR SINGH (WELL)
<b>Sample Description</b>	: GROUND WATER
<b>Date &amp; Time of Sampling</b>	: 27.01.2025 01:30 PM
<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>	: 013
<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	7.64	-	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	268.0	mg/L	200	600
7.	Total Dissolved Solids	APHA 2540-C	521.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	256.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	64.7	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	19.5	mg/L	30	100
11.	Sodium	APHA 3500 Na- A+B	34.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.62	mg/L	-	-

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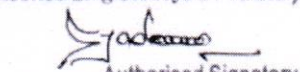
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Review By:

  
**Dr. Ashok Kumar**  
Technical Manager

**VIRAT GLOBAL LAB**  
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**D. K. Yadav**  
Authorised Signatory  
Lab In-charge



TEST REPORT CODE: VGL/W/25/01/29/013

TEST REPORT ISSUE DATE: 03.02.2025

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

13.	Sulfate	APHA 4500-PD	52.5	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	18.4	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	65.2	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	0.21	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	0.38	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.

**Note:**

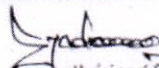
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 15 days from the date of issue of test certificate unless otherwise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

D. K. Yadav  
Lab In-charge



TEST REPORT CODE: VGL/W/25/01/29/013

TEST REPORT ISSUE DATE: 03.02.2025

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

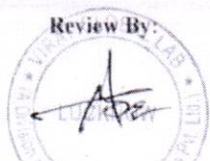
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	<2.0	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Faecal coliform	APHA 9221 E	<2.0	MPN/100 ML		

Page 3 of 3

**Note:**

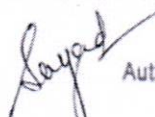
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
2. The sample will be destroyed after 3days from the date of issue of test certificate unless otherwise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





# 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 RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No: TC687225000000548F Test Report No:-CES/LAB/Water/25/254 Dispatch No: 745 Issue Date: 01.04.2025 Client Ref: Nil Date : Nil
Qty : 1 No. x 2 litre	Date of Collection : 19.03.2025
Method of test : APHA 23 <sup>rd</sup> edition	Date of Receipt : 25.03.2025
Packing :- Plastic bottle	Period of testing : 25.03.2025 to 01.04.2025
Sample Condition at receipt: packed	Method of sampling : IS:17614: Part 10:2021
Sample Discipline: Chemical Testing	Sample tested as received : OK
Sub Group: Waste Water	
Sample collected by: CES Representative	Page no. : 1 of 1
No. of Sample - 05	Serial No. of Sample : 254/5

S. No.	Test Parameters	Unit	Method No.	Standard	Result Obtained STP Outlet
<b>Chemical Testing</b>					
1	pH	-	4500 H+B	6.5-9.0	7.52
2	Total Suspended Solid	mg/lit	2540 D	100	10.00
3	COD	mg/lit	5220 B	250	50.00
4	BOD (3 day 27degree)	mg/lit	IS/3025/P-44	30	4.00
5	Oil & Grease	mg/lit	5520 B	10	2.00
6	Chlorides as Cl	mg/lit	4500 Cl-B	1000	15.99
<b>Biological Testing</b>					
7	Total Coliform	MPN/100ml	IS:1622:1981	<1000	40.00

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

checked by:

NEELAM UPADHYAY  
TECHNICAL MANAGER

Authorized Signatory

ANJALI VERMA  
(Biological)

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\*-----

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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TC-6872



# 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 RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No.: TC687225200000072F Test Report No:-CES/LAB/Noise/25/68 Dispatch No: 745 Issue Date: 01.04.2025 Client Ref: Nil Date : Nil
Sample Particulars: Ambient Noise Level Monitoring	Date of monitoring : 19.03.2025
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:-12	Sample tested as received : 25.03.2025

## TEST RESULTS

### Day Time

Sr. No	Location	Monitoring Time	Unit	Noise level	
				Minimum	Maximum
1	Mines Office	10:00 AM	dB(A)	56.20	63.80
2	Crusher Office	10:10 AM	dB(A)	57.50	62.00
3	Crusher Area	10:20 AM	dB(A)	58.10	63.70
4	OLBC Area	10:30 AM	dB(A)	48.60	55.10
5	Magazine Area	10:40 AM	dB(A)	53.60	57.00
6	Working Pit	11:00 AM	dB(A)	63.70	66.40
7	DG set Area	11:30 AM	dB(A)	62.80	68.30
8	Santipur Village	11:40 AM	dB(A)	42.30	53.10
9	Hanuman Nagar Basti	11:50 AM	dB(A)	47.80	51.20
10	Srinagar Village	12:00 PM	dB(A)	44.00	50.70
11	Near School	12:10 PM	dB(A)	42.80	52.00
12	Karaundi Village	12:20 PM	dB(A)	41.70	48.10

### Night Time

Sr. No	Location	Monitoring Time	Unit	Noise level	
				Minimum	Maximum
1	Mines Office	11:10 PM	dB(A)	52.70	55.20
2	Crusher Office	11:20 PM	dB(A)	51.30	54.70
3	Crusher Area	11:30 PM	dB(A)	48.00	56.00
4	OLBC Area	12:00 AM	dB(A)	47.60	55.70
5	Magazine Area	12:20 AM	dB(A)	49.50	54.50
6	Working Pit	12:40 AM	dB(A)	55.10	60.30
7	DG set Area	01:10 AM	dB(A)	52.30	61.70
8	Santipur Village	01:20 AM	dB(A)	37.00	40.00
9	Hanuman Nagar Basti	01:30 AM	dB(A)	38.70	44.10
10	Srinagar Village	01:40 AM	dB(A)	39.60	44.60
11	Near School	01:50 AM	dB(A)	38.00	44.10
12	Karaundi Village	02:00 AM	dB(A)	37.60	43.70

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

Checked By: NEELAM UPADHYAY  
TECHNICAL MANAGER

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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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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 RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No.: TC687225200000073F Test Report No:-CES/LAB/Noise/25/69 Dispatch No: 745 Issue Date: 01.04.2025 Client Ref: Nil Date : Nil
Sample Particulars: HEMM Noise Level Monitoring	Date of monitoring : 19.03.2025
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:-16	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
<b>Loader</b>				
1	Inside of the cabin	60.50	6 hours	Ear plugs
2	Outside of the cabin			
	1m	61.70		
	3m	56.80	6 hours	Ear plugs
	5m	51.00		
<b>Excavator PC 450</b>				
3	Inside of the cabin	55.20	6 hours	Ear plugs
4	Outside of the cabin			
	1m	61.80		
	3m	55.40	6 hours	Ear plugs
	5m	53.20		
<b>Excavator BE-1000E</b>				
5	Inside of the cabin	57.10	6 hours	Ear plugs
6	Outside of the cabin			
	1m	61.00		
	3m	54.60	6 hours	Ear plugs
	5m	50.20		
<b>Grader</b>				
7	Inside of the cabin	61.30	6 hours	Ear plugs
8	Outside of the cabin			
	1m	60.70		
	3m	54.10	6 hours	Ear plugs
	5m	50.70		

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

Checked By:

NEELAM UPADHYAY  
TECHNICAL MANAGER

Authorized Signatory

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SANTOSH KHANTAL  
QUALITY MANGAER

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

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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 RCCPL Pvt. Ltd. Village- Sadhera Tehsil- Maihar, District Satna, MP-485773	ULR No.: TC687225200000073F Test Report No:-CES/LAB/Noise/25/69 Dispatch No: 745 Issue Date: 01.04.2025 Client Ref: Nil Date : Nil
Sample Particulars: HEMM Noise Level Monitoring	Date of monitoring : 19.03.2025
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:-16	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
Drill machine				
9	Inside of the cabin	69.60	6 hours	Ear plugs
10	Outside of the cabin			
	1m	66.40	6 hours	Ear plugs
	3m	62.70		
	5m	59.30		
Dumper				
11	Inside of the cabin	56.00	6 hours	Ear plugs
12	Outside of the cabin			
	1m	55.10	6 hours	Ear plugs
	3m	50.30		
	5m	49.00		
Dozed				
13	Inside of the cabin	63.40	6 hours	Ear plugs
14	Outside of the cabin			
	1m	55.60	6 hours	Ear plugs
	3m	51.70		
	5m	48.00		
Compactor				
15	Inside of the cabin	61.20	6 hours	Ear plugs
16	Outside of the cabin			
	1m	55.30	6 hours	Ear plugs
	3m	51.70		
	5m	50.60		

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

Checked By:

NEELAM UPADHYAY  
TECHNICAL MANAGER

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

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**PUCC**

As Per Central Motor Vehicles Rules 1989

प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

परिवहन विभाग मध्य प्रदेश शासन द्वारा अधिकृत

AUTHORISED BY: TRANSPORT DEPARTMENT M.P.



Certificate Sl.No 7DE013C14  
 Registration No MP19GA2257  
 Chassis No -  
 Engine Number -  
 Name Of Owner RCCPL PRIVATE LTD  
 Date of Registration 23-07-2014  
 Emission Norms BS III  
 Class of Vehicle HGV  
 Make KOMATSU  
 Model KOMATSU GD511A-1  
 Fuel DIESEL  
 Date of Testing 22-09-2024  
 Time of Testing 12:04:51PM  
 Test Fee ₹ 500

**TEST RESULT : PASS**  
**VALID TILL : 21-03-2025**

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards  
 prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Mesured Value
DIESEL	2.45	0.64333

**MP19GA****2257**

Auto Emission Testing Center Code :

MP19PUC/06/2018/STA

Testing Center Name : SHIVHARE ONLINE AND PUC  
 CENTER

Mobile : 7566768462

Center Address : 1 RTO OFFICE MAIHAR BYPASS ROAD  
 SATNA 2 AMARPATAN SE KATNI ROAD MAIHAR

**TEST RESULT FOR DIESEL VEHICLE**

	IDLE RPM	MAX RPM	K VALUE	OIL TEMP
TEST 1	796	3591	0.6	0.0
TEST 2	1166	3751	0.68	0.0
TEST 3	786	3861	0.65	0.0
AVG	916	3734.33333	0.64333	0.0

This is a computer generated certificate and does not require signature  
 Fuel Norms entered by PUC center MP19PUC/06/2018/STA manually, Please visit RTO and correct norms





ALL INDIA VALID

# PUCC

As Per Central Motor Vehicles Rules 1989

प्रदूषण नियंत्रित प्रमाणपत्र

POLLUTION UNDER CONTROL CERTIFICATE

परिवहन विभाग मध्य प्रदेश शासन द्वारा अधिकृत

AUTHORISED BY: TRANSPORT DEPARTMENT M.P.



Certificate Sl.No 315E166E1  
Registration No MP19GA2259  
Chassis No -  
Engine Number -  
Name Of Owner RCCPL PRIVATE LIMITED  
Date of Registration 11-03-2014  
Emission Norms BS III  
Class of Vehicle HGV  
Make KOMATSU  
Model KOMATSU GD511A-1  
Fuel DIESEL  
Date of Testing 22-09-2024  
Time of Testing 12:06:06PM  
Test Fee ₹ 500

**TEST RESULT : PASS**

**VALID TILL : 21-03-2025**

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Mesured Value
DIESEL	2.45	0.94333

**MP19GA**

**2259**

Auto Emission Testing Center Code :

MP19PUC/06/2018/STA

Testing Center Name : SHIVHARE ONLINE AND PUC  
CENTER

Mobile : 7566768462

Center Address : 1 RTO OFFICE MAIHAR BYPASS ROAD  
SATNA 2 AMARPATAN SE KATNI ROAD MAIHAR

Authorised Signature

## TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K_VALUE	OIL TEMP
TEST 1	803	3598	0.9	0.0
TEST 2	1173	3758	0.98	0.0
TEST 3	793	3868	0.95	0.0
AVG	923	3741.33333	0.94333	0.0

This is a computer generated certificate and does not require signature

Fuel Norms entered by PUC center MP19PUC/06/2018/STA manually, Please visit RTO and correct norms