

29th November 2024

To

The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment Forests and Climate Change,
4th Floor, E&F Wings, Kendriya Sadan,
Kormangala, Bangalore – 560 034

Respected Sir,

Subject: Submission of Six-monthly compliance report towards Environment Clearance for 1st Half (period- April 2024 to September 2024) for Vedanta Limited Iron Ore Mine (ML: 2677) situated in Chitradurga, Karnataka.

Reference:

1. Environmental Clearance letter no: SEIAA 131 MIN 2023 (M) Dated 24/08/2023 of M/s Vedanta Limited Iron Ore Mine (ML: 2677)

With reference to the above subject, we are herewith submitting six monthly compliance report towards Environment Clearance for 1st Half (period- April 2024 to September 2024) for Vedanta Limited Iron Ore Mine (ML:2677) situated in Chitradurga District, Karnataka.

Thanking you,

Yours Faithfully
For Vedanta Limited



Authorized Signatory

VEDANTA LIMITED
(A Narrain mines)

Copy to:

1. The Senior Environmental Officer, KSPCB, Parisara Bhavana, Church Street, Bangalore.
Near Meghalahalli, Beemasamudra Road,
Chitradurga Tq & Dist 577320
2. The Regional Environmental Officer, KSPCB, Chitradurga.

VEDANTA LIMITED

Sesa Iron Ore, Karnataka Meghalahalli Office Complex Bheemasamudra, Chitradurga, Karnataka - 577 520. T 08194-238100. www.sesagoaironore.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai 400093, Maharashtra, India.
CIN: L13209MH1965PLC291394

Half Yearly Compliance Report to condition of Environment Clearance issued by			
Ministry of Environment, Forest and Climate Change, Government of India for Vedanta Limited Iron Ore Mine, (Mining Lease: 2677)			
Letter No. SEIAA 131 MIN 2023 Dated 24/08/2023			
Production : 7.2 MTPA, as per Environment Clearance, however production limit for 2024-25 is 5.89 MTPA			
Period: April 2024 to September 2024 (1st Half)			
S No.	Clearance Condition	Compliance Status	Remarks
A.	Specific Conditions		
1	Validity of this Environment Clearance is co-terminous with the lease period or 16 years from the date of issue of Environment Clearance letter whichever is earlier.	Complied	
2	Mine plan approved by the Indian Bureau of Mines, Bangalore shall be strictly implemented and shall not be operated beyond the validity period of the approved mining plan.	Mining operations will be carried out as per IBM approved mining plan.	
3	Baseline data on health profile of each of the workers shall be maintained.	All workers undergo Initial Medical Examination before joining the organization, the baseline data of all the workers is maintained. Periodic Medical Examination is also conducted as per the DGMS regulations.	Attached Medical Summary Report as Annexure-1
4	PAs should get the health check-up done for the mine workers on regular basis and submit report periodically.	Periodic Medical Examination is conducted as per the DGMS regulations.	Attached Medical Summary Report as Annexure-1
5	The SEIAA, Karnataka reserves the right to withdraw the environmental clearance subject to any change in the mining policy by the State Government as may be applicable to this project.	Noted and will be complied with.	

6	Mining shall be undertaken strictly in accordance with provisions of MM (D&R) Act 1957.	Complied and will be ensured	
7	All the conditions stipulated in the Consent for establishment issued (If applicable) by the Karnataka State Pollution Control Board should be effectively implemented	Complied and will be adhered to	

8	The mining operations shall not intersect ground water table. Prior approval of the SEIAA / Ministry of Environment & Forests and Central Ground Water Authority shall be obtained for mining below water table	The mining operations has not intersected the groundwater. In case of ground water intersection prior approval will be obtained.	
9	The topsoil, if any should be stacked at earmarked site only and should not be kept unutilized for a period more than 3 years. The topsoil should be used for reclamation and plantation.	No top soil is available within the mine lease as the entire area is broken up for mining and allied activities.	
10	Waste rock shall be stacked at earmarked site (s) only. The maximum height of the stack should not exceed 30m from the topography duly providing suitable terraces. The overall slope of the dump shall not exceed 28°. A retention wall shall be built around the waste rock dump to prevent sliding.	Over burden (OB) is stacked at earmarked dump site as per IBM approved in Mining plan, by adopting step dumping method on designated non mineralized areas within the lease and overall slope of the dump is not more than 28°. Finalized portions of the dumps are covered with geotextiles and afforested immediately. Retention wall and trench is constructed at the toe of dump.	
11	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working area and rock dumps. The water so collected should be utilized for watering the haulage area, roads, green belt	Garland drains are constructed all along the toe of the dump to properly channelize the runoff water from the dump. 7 settling ponds of adequate size is constructed to arrest the silt. Water collected will be used in watering the green belt & haulage area roads. All the check dams, settling ponds and garland drains are desilted in the summer.	In FY 2024-25, ~8000m ³ of desilting activity was conducted.

	development etc., the drains should be regularly de-silted particularly after monsoon and maintained properly.		
12	Dimension of the retaining wall at the toe of dumps within the mine to check run off and siltation should be based on the rainfall data	Retaining walls & garland drains are constructed based on the design specified in the ICFRE approved R&R plan.	
13	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board within 3 months and report be submitted to the Authority.	The Senior geologist of KGWB, Chitradurga has suggested to conduct detailed hydrogeology study based on which conservation measures to be decided. The study conducted in May' 24 and the report submitted to Senior Geologist KGWB	
14	Appropriate mitigation measures should be taken to prevent pollution of nearby water bodies in consultation with the State Pollution Control Board.	Finalized dumps are covered with geotextiles and afforested thus prevent dump erosion, Rock wall followed by trench is constructed all along the dump. Series of settling ponds are provided to prevent any flow of silt out side the mine. Several check dams are constructed to further prevent any flow of silt in the nearby water bodies. Regular monitoring of water is done during monsoon.	

15	The project proponent shall submit commitment from the competent authority for drawl of requisite quantity of water for the project before starting work on the project.	NOC for 350KLD withdrawal has been issued by KGWB (Karnataka Ground Water Board)	Attached as Annexure-2
16	Suitable rainwater harvesting measures on long-term shall be planned and implemented in consultation with Regional Director, Central Ground Water Board for complete rain water harvesting by constructing check dams/converting quarried pits to rain water harvesting ponds.	The Senior Geologist of KGWB, Chitradurga has suggested to conduct detailed hydrogeology study based on which conservation measures decided. The study conducted in May'24 and the report also submitted to Senior Geologist of KGWB.	
17	Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of blocks.	Vehicles used for transporting ore are having the vehicle emission certificates. Regular maintenance of mining machinery and HEMM is carried out.	
18	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to SEIAA Karnataka, Department of Environment and Ecology. Govt. of Karnataka and the APCCF, Regional Office, MoEF, Bangalore.	Digital processing of entire mine lease using drone is conducted every year and report is submitted to IBM.	
19	This environmental clearance does not confer any right to the proponent on the land proposed for mining until and unless mine lease and all other statutory clearance are obtained from the respective department/agencies.	Noted	

20	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed mine.	Will be compiled and report shall be submitted.	
21	Consent to operate if applicable shall be obtained from State Pollution Control Board prior to start of production from the mine	We have applied for CFE from KSPCB	
22	Proper sanitary facilities should be installed for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the labourers.	Proper sanitary facilities are provided in work place. There is no colony/residential facility near the mine lease area. Domestic waste generated is disposed scientifically. First aid station with dedicated paramedics and doctor is available within the mine lease area for health care facilities of laborers.	
23	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. The proponent shall contribute towards the cost of implementation of the plan and / or Regional Wildlife Management Plan for conservation of wild life. The amount so contributed shall be included in the project cost. A copy of the action plan may be submitted to the SEIAA, Department of Environment and Ecology, Govt. of Karnataka, and the Regional Office, MoEF, Bangalore within 3 months.	The detail plan was prepared and approved by Chief wild life warden. The approved plan has been implemented and completed.	

24	The project proponent shall delineate Mine Closure Plan/ exit protocol to rehabilitate the quarried out land to match its surrounding land use including removal, storage and reuse of waste rock from mine area to cover reclaimed area. Post Mine Land Use Plan with rehabilitation of quarried out area (with Plan and Section) provided and submit to SEIAA.	Will be complied	
25	Plantation monitoring programme during post project period for ensuring survival and growth rate of plantation in reclaimed area.	Will be complied	
26	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the SEIAA of Karnataka, Department of Environment and Ecology, Govt. of Karnataka and the Regional Office, MoEF, Bangalore 5 years in advance of final mine closure for approval,	Will be complied	
27	Retention walls should be a minimum of 2.5 mtr height with base of 3 mtr.	Retaining walls & garland drains are constructed based on the design specified by ICFRE in the ICFRE approved R&R plan.	
28	Check dams and gully plugs along the smaller streamlets in the area, should be constructed to arrest the loose soil flow from the mine area	During the monsoon period, run-off from the waste dumps and other areas are controlled by a series of Check dams and Settling ponds which helps in preventing runoff washout to reach in the natural streams. As per the	Attached as Annexure-3

		approved R&R plan, as much as 29 Check dams, 15 gully plugs and 7 settling ponds are constructed all along the lease boundary	
29	Particulars of dimensioned block production and dispatch shall be provided by the mine owner yearly	Will be complied	
30	The infrastructure of transport roads should be improved collectively by the mine owners of the area	Will be complied	
31	Village road from mine site to main road shall be maintained and black topped by the project proponent	Black topping of other village roads is also being undertaken on regular basis under the CSR scheme as per the instruction of district administration and requirements for the benefits of villagers. Roads are also regularly cleaned by manual sweeping to remove ore spillage from the transport trucks. A total of 32 workers are engaged for carrying out cleaning activity on daily basis at the junction and speed breakers. Moreover, the company has taken up initiative of planting native species along the roadside.	
32	The mine lease area to be properly demarcated using the last-long coordinates and duly erecting 4 feet concrete/granite pillars on the ground.	Complied	
33	No mining shall be undertaken outside the lease area	No mining is being carried outside the lease area	
34	The project Authorities shall maintain a margin of 7.5 meters along the lease boundary except in case where common boundary working permission is obtained from the competent authority	The 7.5m area along the lease boundary is maintained and only green belt development is taken up in the said area	
35	The project authority shall avoid stagnation of water in the mine pits which would turn out to be mosquito breeding centres resulting in spreading of diseases such as malaria, dengue, etc.	There is no stagnation of water in the mine pits	

36	The project proponent shall prevent damage to adjoining land, from fire due to activities during mining operation.	Training to all the employees on use of fire extinguishers has been provided. All the heavy earth moving machinery is provided with automatic fire extinguishers. Approach roads are provided in all the plantation areas in order to reach in case of emergency/ fire. Company has in-house water tankers which can be used to suppress fire.	
37	Haulage approach road should not be through village till the main road is reached.	Haulage road is within the mine lease area and not through village	
38	The project authorities shall get the health check-up of mine workers as well as people in the nearest vicinity of the mine for respiratory diseases such as silicosis and maintain records. Appropriate care shall be taken for remedy in case of prevalence of such health disorders.	All the mine workers have been screened for Silicosis. No cases reported. The people of nearby vicinity will also be screened for the same.	
39	Clearance NOC from the competent authority shall be obtained for transportation of water by tankers in order to avoid hardship to the competitive users	NOC for 350KLD withdrawal has been issued by KGWB (Karnataka Ground Water Board)	Attached as Annexure-2
40	This Environmental Clearance is granted subject to obtaining prior clearance from Forestry and Wildlife angle including clearance from the Standing Committee of the National Board for Wildlife if applicable. Further this Environmental Clearance does not necessarily implies that Forestry and Wildlife Clearance shall be granted to the project and that the proposal for Forestry and Wildlife Clearance shall be considered by the respective Authorities on their merits and decision taken. The investment made in the project if any based on	The detail plan was prepared and approved by Chief wild life warden. The approved plan has been implemented and completed.	

	Environmental Clearance so granted in anticipation from the forestry and wild life angle shall be entirely at the cost and risk of the project proponent and the SEIAA-Karnataka shall not be responsible in this regard in any manner.		
41	Solid waste/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016	Hazardous waste is handled, stored and disposed as per the Hazardous & Other Waste Management Rules, 2016	
42	Ambient air quality monitoring stations as prescribed in the statute be established for monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO _x and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board wherever applicable	The ambient air quality monitoring is carried out in Core Zone as well as buffer zone. There are 6 monitoring stations in Core Zone and 4 monitoring stations in Buffer zone which is monitored twice in a week for every month. The results of ambient air quality are maintained and same are regularly submitted to regional Office of ministry and Karnataka State Pollution Control Board.	Ambient Air Quality Reports attached as Annexure-4
43	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the Mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data	The company regularly monitors the ground water level and quality of nearby 8 tube wells. The mining activity is being carried out at top of the hill. The pit top & bottom is 930 mts and 798.8 mts from M.S.L. which is way above the ground water level and therefore there is no influence on these bore wells due to mining activity. The company uses ground water only for Dust suppression and domestic usage. The monitoring reports are regularly submitted to MoEF, Central ground water Authority and Regional Director, Central Ground water Board	Ground water reports Attached as Annexure-5

	thus collected shall be sent regularly to MoEF&CC/RO.		
44	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change./Regional Office	There are no water bodies adjacent to mine lease area. Some small ponds are available which has water mostly during monsoon, the quality of which is monitored on regular basis	
45	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	The strata is soft so drilling and blasting is not required	
46	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Control measures like providing acoustic enclosures to DG sets are done. Staff working in the noise area is provided with ear plugs & ear muffs. All the mining machineries have air-conditioned cabins which provides noise and dust free environment to the operator. Regular monitoring of ambient and personal noise is done	Noise monitoring and Personal noise reports attached as Annexure 6
47	The company / project proponent shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company / Project proponent shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or	Vedanta has separate Environment policy and it is approved by our Board of Directors. The purpose is to achieve excellence in environment management. Also we are having Energy and Carbon policy, Water Management policy and Biodiversity policy. The expenditure copy will be submitted in next Six month EC report	

	shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report		
48	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report	Will be complied. Annual Expenditure will be submitted in the next Six month EC Compliance report	
49	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out	Will be complied. The report will be submitted in next six month EC report.	
50	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Will be complied	
51	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company	Environment Statement Form-V has been submitted to KSPCB	

52	The project authorities shall inform to the Regional Office of the MoEF&CC regarding commencement of Mining operations.	Complied	
53	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/ SELAA, Karnataka.	Noted and will be complied	
54	The project proponent shall comply with provision contained in OM vide F.No. 22- 6512017-IA.III dated 20th October 2020, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall execute action plan of Rain Water Harvesting, Solar Panels & Water Heaters, Plantation, Medical health checkup camps in the Government School & Public Areas of Megalahalli and Tanigehalli & Conducting Swatch Bharath Abiyan drive campaigns in nearby villages as submitted vide letter dated 10.08.2023	Noted and will be complied	
B.	General Conditions		
1	No change in mining technology and scope of working shall be made without prior approval of the MoEF	If any changes were made in mining technology and scope of the working, it will be informed to the MOEF.	

2	No change in the calendar plan including excavation, quantum of mineral and waste shall be made	Will be complied	
3	It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the MoEF, Govt. of India New Delhi.	Will be ensured	
4	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO _x , NO _x should be regularly submitted to the SEIAA Karnataka and the Regional Office, MoEF, Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	Compiled	
5	Fugitive dust emission from all the sources should be controlled regularly. Water spray arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Fugitive dust emissions from all the sources are controlled regularly by water spraying, covering the waste dumps with Coir mat. Water spraying on haul roads, loading and unloading points and at transfer points are carried out regularly for proper maintenance.	Fugitive emissions report attached as Annexure 7
6	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with earplugs / muffs.	Control measures like providing acoustic enclosures to DG sets are done. Staff working in the noise area is provided with ear plugs & ear muffs. All the mining machineries have air conditioned cabins which provides noise and dust free environment to the operator.	
7	Wastewater from the mine should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of effluents.	There is no waste water discharge from the Mine. During monsoon the runoff water is collected in the settling pond. Only the overflow water is allowed into the natural stream. The natural stream water is collected in the village tank for public usage which is monitored and regularly submitted to regional office of ministry and Karnataka Pollution Control Board	

8	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Regular trainings are provided in safety and health aspects. Dust mask, Ear plugs and safety goggles are provided for the persons working in dusty areas.	
9	Occupational health surveillance program of the workers should be undertaken periodically i.e. once in 3 months to observe any contractions due to exposure to dust and take corrective measures, if needed. Quarterly report in this regard should be submitted to the Department of Environment and Ecology, Govt. of Karnataka and the Karnataka State Pollution Control Board and the Regional Office, MoEF, Bangalore.	Company has got an in house Occupational health unit with a fulltime doctor and nurses. All the hazards related to our activities are identified and addressed. Various health related training programs are conducted for the workers. Company has also adopted a formal HIV- AIDS policy. Periodic health checkups are also been conducted for all the employees working in the company.	
10	A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a senior Executive, who will report directly to the head of the organization	Separate Environmental Management cell has been established with qualified people who are reporting directly to head of the organization. Below are the contact details of the responsible persons- (1) Mr. Shrishaila Gouda (Head- IOK) Shrishaila.gouda@vedanta.co.in +91-9923289203 (M) (2) Ms. Sanjana Anchan (Head Env-IOK) Sanjana.anchan@vedanta.co.in +91-8867776612 (M)	Chief Executive Officer (CEO) ↓ Sanjana Anchan (Head Env-Karnataka) ↓ Sakthi Venkatesh (Officer Environment)
11	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA	Year wise expenditure records are maintained separately for Environmental Protection Measures and the same is submitted regularly to regional office and Karnataka State Pollution Control Board. Expenditure for the year 2024-25 will be submitted in the next six-monthly compliance report.	

	Karnataka, the Department of Environment and Ecology, Golt. of Karnataka and Ecology, Government of Karnataka, and the Regional Office, MoEF, Bangalore		
12	The project authorities shall inform to the regional office of the ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land and development work	Complied	
13	The APCCF, Regional Office of MoEF, Bengaluru; the Department of Environment and Ecology, Govt. of Karnataka and the Karnataka State Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the Officer (S) of these offices by furnishing the requisite data / information / monitoring reports.	Will be complied and ensured	
14	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the SEIAA Karnataka, Department of Environment and Ecology, Government of Karnataka and the APCCF, Regional Office, MoEF, Bengaluru; the Central Pollution Control Board and the Karnataka State Pollution Control Board.	Complied	
15	The Half Yearly Compliance Reports (HYCRs) with its contents of a covering letter, compliance reports,	Complied	

	and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of project, EC No. & date, period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID rosz.bng-mefcc@gov.in . Hard copy of HYCRs shall not be acceptable		
16	A copy of the clearance letter will be marked to the concerned Panchayat. Local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied	
17	The project proponent should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.	Complied	
18	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at http://environmentclearance.nic.in website of the MoEF&CC and http://seiaa.karnataka.gov.in website of SEIAA, Karnataka. A copy of the	Complied	Attached as Annexure-8

	same should be forwarded to the Department of Environment and Ecology, Government of Karnataka and the Regional Office, MoEF&CC, Bangalore.		
19	The Karnataka State Pollution Control Board should display a copy of the clearance letter at the Regional office. District Industry Centre and Collector's office/ Tehsildar's office for 30 days.	Complied	
20	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.	Noted	
21	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted	
22	The SEIAA or any other competent authority may alter / modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted	
23	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and all conditions will be complied with	

24	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under	Noted	
25	In case of any material supported by documents/ court orders which is contrary, to the claim of the applicant and material facts produced, the SEIAA reserves the right to withdraw the EC at any point of time.	Noted	
Additional Conditions			
1	Dust suppression measures have to be strictly followed	Fugitive dust generation is controlled by spraying the water on the main hauling road. The company has deployed 30 water tankers for suppressing the dust on Haul roads and its transport route. Green belt has developed all along the lease boundary and tall growing saplings have planted all along the roadside which acts as wind barrier. The ambient air quality monitoring is carried out twice a week in core zone as well as in buffer zone and results are regularly submitted to State Pollution Control Board.	
2	The PP shall strengthen the approach road to the quarry and the road leading to the crusher as per standard norms.	Not Applicable	
3	The PP shall comply with the observations made in the Certified Compliance report of MoEF&CC	Complied	

4	The PP shall Adhere to the compliance given to issues raised in the public hearing.	No public hearing was conducted during the issue of this EC	
5	The PP shall comply with the recommendations in R&R plan.	Complied	
6	The PP shall provide PHC facilities in near by villages.	We have a dedicated Mobile Health Unit(MHU) which provides medical facility to the surrounding villages. Regular Health camps also conducted.	
7	The PP shall establish conveyor belt system from mine head to railway siding.	Application for Forest Clearance for installation of conveyor belt from mine head to siding has filed and we are in the stage of obtaining Stage-1 Clearance	Attached recommending letter from PCCF to ACS as annexure 9
8	The PP shall look into the possibilities for installing mineral beneficiation plant in project site.	Application for Environment Clearance of Wet beneficiation plant outside the mine lease has been made.	



AUTHORIZED SIGNATURE

VEDANTA LIMITED
(A. Narraïn mines)
Meghalahalli office Complex
Near Meghalahalli Beemasamudra Road,
Chitradurga Tq & Dist 577520

Contact Details	
1	Address Vedanta Limited Iron Ore Mine (ML 2677) Meghalahalli Office Complex, Bheemasamudra Post, Chitradurga (Karnataka)- 577520 Registered Office Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai (Maharashtra)- 400093
2	Contact Numbers (T) +91-8194238100 (F) +91-8194238180
3	Contact details of the responsible persons- (1) Mr. Shrishaila Gouda (Chief Executive Officer- IOK) Shrishaila.gouda@vedanta.co.in +91-9923289203 (M) (2) Ms. Sanjana Anchan (Head Env-IOK) Sanjana.anchan@vedanta.co.in +91-8867776612 (M)
4	GPS Location Latitude: N 14 13'34.61" Longitude: E 76 12'41.73"
5	Website www.sesagoironore.com or www.vedantalimited.com

MONTH WISE - COMPANY & B P IME DONE LIST FOR THE MONTH OF APRIL -2024

SL NO	DATE OF - ME	EPM- CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	IME
1	04-04-2024		Mr. GANDAN BATHARAJ	B.S.V.EARTHMOVERS	IME
2	13-04-2024		Mr. AVINASH M	B.S.V.EARTHMOVERS	IME
3	13-04-2024		Mr. R SHIVARAJ KUMAR	B.S.V.EARTHMOVERS	IME
4	13-04-2024		Mr. NAVEENA H	B.S.V.EARTHMOVERS	IME
5	13-04-2024		Mr. VIJAY KUMAR P H	B.S.V.EARTHMOVERS	IME
6	13-04-2024		Mr. ANAND M	B.S.V.EARTHMOVERS	IME
7	15-04-2024		Mr. H RAJA NAIK	B.S.V.EARTHMOVERS	IME
8	15-04-2024		Mr. MANJUNATHA R	B.S.V.EARTHMOVERS	IME
9	15-04-2024		Mr. NAYAZ BASA Z	B.S.V.EARTHMOVERS	IME
10	18-04-2024		Mr. DYAMANNA	B.S.V.EARTHMOVERS	IME
11	18-04-2024		Mr. N VASANTH KUMAR	B.S.V.EARTHMOVERS	IME
12	18-04-2024		Mr. HANUMANTHAPPA	B.S.V.EARTHMOVERS	IME
13	18-04-2024		Mr. KARTHIKA	B.S.V.EARTHMOVERS	IME
14	22-04-2024		Mr. V PADMARAJ	B.S.V.EARTHMOVERS	IME
15	22-04-2024		Mr. DASTAGIR SAB	B.S.V.EARTHMOVERS	IME
16	15-04-2024		Mr. RANGASWAMY	DHANRAJ CANTEN	IME
17	04-04-2024		Mr. MANJUNATH N R	Encore Heavy Machinery Private L	IME
18	27-04-2024		Mr. NEERAJ DUBEY	PEREGRINE GUARDING PVT LTD	IME
19	30-04-2024		Mr. RAMESHA	PEREGRINE GUARDING PVT LTD	IME
20	19-04-2024		Mr. GIRISH N	SVENSKA TECHNOLOGIES PVT. LTD.	IME
21	19-04-2024		Mr. SHIVARAJA H K	SVENSKA TECHNOLOGIES PVT. LTD.	IME
22	01-04-2024		Mr. MANJUNATHA N	VEERESH CONTRACT	IME
23	19-04-2024		Mr. SUKESH	VOLVO	IME
24	13-04-2024		Mr.RAJAB ALI	STPL	IME
25	06-04-2024		Mr.MANATHESH	BSV	IME
26	06-04-2024		Mr.PRAHALADHA BR	BSV	IME
27	06-04-2024		Mr.DEVARAJ J	BSV	IME
28	06-04-2024		Mr.RAMESH KP	BSV	IME
29	06-04-2024		Mr.MANJANAIAK	BSV	IME
30	08-04-2024		Mr.T MANJUNATHA	BSV	IME
31	17-04-2024		Mr.ALL BAKSHI	BSV	IME
32	15-04-2024		Mr.SALEEM AHMAD	BSV	IME
33	18-04-2024		Mr.MOHAMMED SAMIULLA	BSV	IME
34	30-04-2024		Mr.HANUMANTHAPPA E R	CGC	IME
35	05-04-2024	52417	Mr Mukesh Patel	STAFF	IME
36	05-04-2024	11018657	Mr Kotha Bhargava Narayana	STAFF	IME
37	05-04-2024	11018447	Mis. PEARL D'SOZA	STAFF	IME
38	05-04-2024		Ms. SWATHI	VEDANTA	IME
39	05-04-2024	4581	Prashant Naik	IOD Central Goa - Sonshi	IME
40	05-04-2024	11311	Sandeep Bhandari	IOD South Goa-Codli	IME

41	05-04-2024	11742	Pravin Naik	IOD South Goa-Codli	IME
42	05-04-2024	12353	Darshan Gaunkar	IOD South Goa-Codli	IME
43	05-04-2024	11659	Mr. VISHWANATH SAGUN GHADI	IOD South Goa-Codli	IME
44	05-04-2024		Mr. CHANDAN N HARMALKAR	IOD South Goa-Codli	IME
45	05-04-2024		Mr. THIPPESWAMY	B S V	IME
46	05-04-2024		Mr. SRIDHAR	B S V	IME
47	05-04-2024		Mr. MEHABOOB SUBAN	B S V	IME
48	05-04-2024		Mr. ASHOK YADAV	EXPLOTECHNIQUE	IME
49	05-04-2024		Mr. KISHOR T S	EXPLOTECHNIQUE	IME
50	05-04-2024		Mr. RAMANJI NAIK	EXPLOTECHNIQUE	IME
51	05-04-2024		Mr. RAKESH G R	S R CONSTUCTION	IME
52	05-04-2024		Mr. SHANKARMURTHY G	S R CONSTUCTION	IME
53	05-04-2024		Mr. KIRAN KUMAR D	S R CONSTUCTION	IME
54	05-04-2024		Mr. IRFAN D	S R CONSTUCTION	IME
55	05-04-2024		Mr. SHRIDHAR K R	S R CONSTUCTION	IME
56	05-04-2024		Mr. SAMPATH LAL MEHTA	PROGRESSIVE ENGINEERING	IME
57	05-04-2024	IK40003590	SHASHIKUMAR GR	veeresh	IME
58	05-04-2024		Mr. AMARNATH S M	SVENSKA TECHNOLOGIES PVT. LTD.	IME

MONTH WISE - COMPANY & B P PME DONE LIST FOR THE MONTH OF APRIL -2024					
SL NO	DATE OF - ME	EPM- CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	PME
1	02-04-2024		Mr. MR.THIPPESWAMY K		PME
2	05-04-2024		Mr. AMBARISH G J	VEDANTA LIMITED.	PME
3	05-04-2024		Mr. ANMOL V POWAR	VEDANTA LIMITED.	PME
4	05-04-2024		Mr. BASAVRAJA J NAIK	VEDANTA LIMITED.	PME
5	05-04-2024		Mr. DATTATRAYA VENKATESH KAMT	VEDANTA LIMITED.	PME
6	05-04-2024		Mr. K BASAVARAJ	VEDANTA LIMITED.	PME
7	05-04-2024		Mr. R POTHILINGAM	VEDANTA LIMITED.	PME
8	05-04-2024		Mr. S PRABHU	VEDANTA LIMITED.	PME
9	05-04-2024		Mr. SOMASHEKAR SIDDHARAM DHODKUN	VEDANTA LIMITED.	PME
10	05-04-2024		Mr. SUJAY UTTAM HALARNEKAR	VEDANTA LIMITED.	PME
11	05-04-2024		Mr. MANI	B S V	PME
12	05-04-2024		Mr. SIDDESH G	B S V	PME
13	05-04-2024		Mr. MOUNESH S	B S V	PME
14	05-04-2024		Mr. THIPPESWAMY K	CHANNAKESHAHA CANTEEN	PME
15	05-04-2024		Mr. GOVINDAPPA K	Chaithanya Geo Chem	PME
16	05-04-2024		Mr. MOHAMMED NIZAM	EXPLOTECHNIQUE	PME
17	05-04-2024		Mr. JAGADISH RANA	EXPLOTECHNIQUE	PME
18	05-04-2024		Mr. BINOD RANA	EXPLOTECHNIQUE	PME
19	05-04-2024		Mr. ANJINAPPA H	PROGRESSIVE ENGINEERING	PME
20	05-04-2024		Mr. NINGAPPA BHIMAPPA OGGAR	SVENSKA TECHNOLOGIES PVT. L	PME
21	02-04-2024		Mr.THIPPESWAMY	MANJUNATH	PME

MONTH WISE - COMPANY & B P IME DONE LIST FOR THE MONTH OF MAY -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	IME
1		Mr. ASHA	STAFF	02-05-2024	IME
2		Mr. GOPAL LAL SHARMA	SVENSKA TECHNOLOGIES PVT. LTD.	20-05-2024	IME
3		Mr. VENKATESH	SVENSKA TECHNOLOGIES PVT. LTD.	08-05-2024	IME
4		Mr.THAMMAIAH DODDI KENCHAPPA	PEREGRINE GUARDING PVT LTD	08-05-2024	IME
5		Mr. MARULASIDDAPPA	O. CHANNAKESHA	28-05-2024	IME
6		Mr.MANSOOR KHAN	Encore Heavy Machinery Private Limi	29-05-2024	IME
7		Mr. SUNGIREDDY V REDDY	Encore Heavy Machinery Private Limi	30-05-2024	IME
8		Mr. M S MURUGESH	B S V	30-05-2024	IME
9		Mr. SHIVAKUMAR K S	B S V	30-05-2024	IME
10		Mr. SANTHOSH M	B S V	30-05-2024	IME
11		Mr. LOKESWARAPPA G	B S V	30-05-2024	IME
12		Mr. DHANYA NAYAK	B S V	30-05-2024	IME
13		Mr. P RAGHAVENDRA	B S V	30-05-2024	IME
14		Mr. T NAGARAJA	B S V	30-05-2024	IME
15		Mr. K UMESHA	B S V	30-05-2024	IME
16		Mr. N NAVEEN	B S V	30-05-2024	IME
17		Mr.MAHESH PANDYE	PEREGRINE GUARDING PVT LTD	27-05-2024	IME
18		Mr.NIRAJ KUMAR	STPL	20-05-2024	IME
19		Mr.ANKUSH KUMAR	STPL	20-05-2024	IME
20		Mr.SOURAV NARKAR	STPL	20-05-2024	IME
MONTH WISE - COMPANY & B P PME DONE LIST FOR THE MONTH OF MAY -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	PME
1		Mr. MUNISWAMY	STAFF	01-05-2024	PME
2		Mr. BABLU SHANI	PROGRESSIVE	21-05-2024	PME
3		Mr. SUNIL SINGH	PROGRESSIVE	21-05-2024	PME

MONTH WISE - COMPANY & B P IME DONE LIST FOR THE MONTH OF JUNE -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	IME
1		Mr.GURUTHY	B S V	01-06-2024	IME
2		Mr.S MARUTHI	B S V	01-06-2024	IME
3		Mr. RAVI N	B S V	01-06-2024	IME
4		Mr.RAGHAVENDRA REDDY G T	B S V	01-06-2024	IME
5		Mr. MUNAVAR BASAHA G	B S V	01-06-2024	IME
6		Mr. BASAVARAJU S	APARAJITHA	17-06-2024	IME
7		Mr. SUNIL B	B S V	26-06-2024	IME
8		Mr. SHIVSRAJU K	B S V	26-06-2024	IME
9		Mr. KARISIDDAPPA K	B S V	26-06-2024	IME
10		Mr. H B NAGARAJ	B S V	26-06-2024	IME
11		Mr. NATARAJ K	B S V	28-06-2024	IME

12		Mr. ARUN KUMAR E	B S V	28-06-2024	IME
13		Mr. ASHOK O	B S V	26-06-2024	IME
14		Mr. MANJAPPA K B	B S V	28-06-2024	IME
15		Mr. MANOJ PRAJAPATHI	PROGRESSIVE	15-06-2024	IME
16		Mr. DHARMENDRA YADAV	ROCH TECK	26-06-2024	IME
17		Mr.N OBALESH	SVENSKA TECHNOLOGIES PVT. LTD.	05-06-2024	IME
18		Mr. K S BEERAPPA	PEREGRINE GUARDING PVT LTD	01-06-2024	IME
19		Mr. BIRENDRA KUMAR MAHTO	B S V	11-06-2024	IME
20		Mr. SANOJ KUMAR TURI	ROCH TECK	26-06-2024	IME
21		Mr. SANTHOSH KUMAR SAW	B S V	11-06-2024	IME
22		Mr. IMRAN	B S V	26-06-2024	IME
23		Mr. SACHIN M	BSV	26-06-2024	IME
24		Mr. PERWEL ALAM	BSV	06-06-2024	IME
25		Mr. HANUMANTHAPPA S	STPL	18-06-2024	IME
26		Mr. KASHIVISHWANATHA L	STPL	16-06-2024	IME
27		Mr. M HALESH	STPL	16-06-2024	IME
28		Mr. MOHAMMED SAMIULLA	STPL	16-06-2024	IME
29		Mr. S KUMARSWAMY	STPL	16-06-2024	IME
30		Mr. HANUMANTHAPPA B	STPL	17-06-2024	IME
31		Mr. HANUMATHAPPA DH	STPL	17-06-2024	IME
32		Mr. VENKATSH NAIK	STPL	17-06-2024	IME
33		Mr. MARUTHI G	STPL	17-06-2024	IME
34		Mr. O SHIVAKUMAR	STPL	18-06-2024	IME
35		Mr. THIPPESH O	STPL	18-06-2024	IME
36		Mr. N HOSAKERAPPA	STPL	18-06-2024	IME
37		Mr. ANSAR BHASHA M	STPL	16-06-2024	IME
MONTH WISE - COMPANY & B P PME DONE LIST FOR THE MONTH OF JUNE -2024					
SL NO		NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	PME

Mr. THIS MONTH PME NIL

MONTH WISE - COMPANY & B P IME DONE LIST FOR THE MONTH OF JULY -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	IME
1		Mr. KARIBASAPPA E	APPRENTICE TRINEE	09-07-2024	IME
2		Mr. CHETAN. M.C	APPRENTICE TRINEE	09-07-2024	IME
3		Mr. GIRISH. K.R	APPRENTICE TRINEE	09-07-2024	IME
4	11021971	Ms.ASHA P M	VEDANTA	09-07-2024	IME
5	11021970	Ms.SWATHI M	VEDANTA	09-07-2024	IME
6	11019661	Ms.SAPNA N	VEDANTA	09-07-2024	IME
7	11020419	Ms.PRIYANKA E N	VEDANTA	09-07-2024	IME
8	11019407	Mr.VINOTH P	VEDANTA	09-07-2024	IME
9	-	Mr.J VAMSHI	VEDANTA	09-07-2024	IME

10	11019703	Mr.SATYAM OJHA	VEDANTA	09-07-2024	IME
11	11019620	Mr.TRIJYA	VEDANTA	09-07-2024	IME
12	11019547	Mr.SHAIK DANISH	VEDANTA	09-07-2024	IME
13	11019283	Mr. VINITH YADAV	VEDANTA	09-07-2024	IME
14		Mr. ANIL SINGH	Encore Heavy Machinery Private Limi	05-07-2024	IME
15		Mr. SURAJ TANTI	Encore Heavy Machinery Private Limi	05-07-2024	IME
16		Mr.PARAG VIKAS MAHADIK	SVENSKA TECHNOLOGIES PVT. LTD.	17-07-2024	IME
17		Mr. ARYAN CHADRAKANTH DARDE	SVENSKA TECHNOLOGIES PVT. LTD.	17-07-2024	IME
18		Mr. KISHAN BISWAKARMA	PEREGRINE GUARDING PVT LTD	16-07-2024	IME
19		Mr. TOTAN GHOSH	ROCH TECK	03-07-2024	IME
20		Mr. KARTHIK H PATIL	SVENSKA TECHNOLOGIES PVT. LTD.	15-07-2024	IME
21		Mr. SHRINIVASA	B S V	19-07-2024	IME
22		Mr. MANTHESH K O	B S V	19-07-2024	IME
23		Mr.LINGARA C	B S V	19-07-2024	IME
24		Mr. AVNISH PANDEY	PEREGRINE GUARDING PVT LTD	19-07-2024	IME
25		Mr. SATYAVAIJAY RAVINDRA HULE	SVENSKA TECHNOLOGIES PVT. LTD.	17-07-2024	IME
26		Mr. PARAG VIKAS MAHADIK	SVENSKA TECHNOLOGIES PVT. LTD.	17-07-2024	IME
27		Mr. REVA NAIK	B S V	19-07-2024	IME
28		Mr. CHANDRAPPA	B S V	19-07-2024	IME
29		Mr.K HANUMANTHAPPA	BSV	23-07-2024	IME
30		Mr.G RAJASHEKAR	SVENSKA TECHNOLOGIES PVT. LTD.	20-07-2024	IME
31		Mr.ASHOK	SVENSKA TECHNOLOGIES PVT. LTD.	20-07-2024	IME
32		Mr.MANJUNATHA	SVENSKA TECHNOLOGIES PVT. LTD.	20-07-2024	IME
33		Mr.G S MANJUNATHA	SVENSKA TECHNOLOGIES PVT. LTD.	20-07-2024	IME
34		Mr.SIDDEDH P	SVENSKA TECHNOLOGIES PVT. LTD.	20-07-2024	IME
35		Mr.BHAROT BISWAKARMA	PERGRINE GUARDING PVT LTD	16-07-2024	IME
36		Mr.BHARATH SN	VOLVO EICHE COMMERCIAL	31-07-2024	IME
37		Mr.AZARUDINE PRABHULKAR	SVENSKA TECHNOLOGIES PVT. LTD.	09-07-2024	IME
38		Mr.PRASHANTH Y M	O.CHANNAKESHAVA	09-07-2024	IME
39		Mr.RAKESH KUMAR RAM	EXPLOTECHNIQUE	09-07-2024	IME
40		Mr.RUDRAMUNI T	BSV	09-07-2024	IME
41		Mr.PRATAPA KV	BSV	09-07-2024	IME
42		Mr.ARUN D	BSV	09-07-2024	IME
43		Mr.RANGASWAMY T	BSV	09-07-2024	IME
44		Mr.MANJUNATHA MP	BSV	09-07-2024	IME
45		Mr.PRAKASH N	BSV	09-07-2024	IME
46		Mr.JAFAR SADIQ	BSV	09-07-2024	IME
47		Mr.DEVENDRA NAIK	BSV	09-07-2024	IME
48		Mr.ESHWAR S	BSV	09-07-2024	IME
49		Mr.MANOJ R	BSV	09-07-2024	IME
50		Mr.LOHITH R	BSV	09-07-2024	IME

MONTH WISE - COMPANY & B P PME DONE LIST FOR THE MONTH OF JULY -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	PME

1	30526	Mr. B SIDDAPPA	VEDANTA LIMITED.	09-07-2024	PME
2	30099	Mr. MR BASAVARAJA S MALAGI	VEDANTA LIMITED.	09-07-2024	PME
3	559	Mr. NARAYAN M P	VEDANTA LIMITED.	09-07-2024	PME
4	30348	Mr. RAVINAYAKA S	VEDANTA LIMITED.	09-07-2024	PME
5	24570	Mr. RAGHAVENDRA KULKARNI	VEDANTA LIMITED.	09-07-2024	PME
6		Mr. Mr.DATTARAM KALANGUTKAR	VEDANTA LIMITED.	09-07-2024	PME
7		Mr. Mr.MARUTHI S	VEDANTA LIMITED.	09-07-2024	PME
8		Mr. Mr.SRINIVAS E	BSV	09-07-2024	PME
9		Mr. Mr.KESHAVA POOJARY	SVENSKA TECHNOLOGIES PVT. LTD.	09-07-2024	PME
10		Mr. PAPAIAHI S	CGC	09-07-2024	PME
11		Mr. GOPAL NAIK J	CGC	09-07-2024	PME
12		Mr. RAMESHA K	SAMRAT	16-07-2024	PME

MONTH WISE - COMPANY & B P IME DONE LIST FOR THE MONTH OF AUGUST -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	IME
1		Mr.MUNNA SINGH	STAFF	20-03-2024	IME
2		Mr.PRIYA GOEL	STAFF	29-06-2024	IME
3		Mr.MAHENDHRIAN R	STAFF	11-06-2024	IME
4		Mr.SAMANTH MP	STAFF	18-08-2024	IME
5		Mr.SWAPNIL GAWAS	STAFF	17-08-2024	IME
6		Mr.PRANIT FORKADE	STAFF	19-08-2024	IME
7		Mr.AYUSH RATH	STAFF	13-07-2024	IME
8		Mr.MANISHA K	STAFF	18-08-2024	IME
9		Mr.DEEPAK RAJAN TENDOLKAR	STAFF	19-08-2024	IME
10		Mr.JOHAN RAJAN	STAFF	23-07-2024	IME
11		Mr.ADARSH SAHU	STAFF	24-08-2024	IME
12		Mr.YAAMINEE TEJASWINI BINGI	STAFF	21-08-2024	IME
13		Mr.SIVARAMAN C	STAFF	19-08-2024	IME
14		Mr.BHRATH KUMAR	STAFF	30-08-2024	IME
15		Mr.SUNIL CHOUDHARY	STAFF	16-08-2024	IME
16		Mr.NAYANA	STAFF	26-07-2024	IME
17		Mr.SATYAM KUMAR GUPTA	STAFF	21-08-2024	IME
18		Mr.HANUMANTHAPPA R	STPL	12-08-2024	IME
19		Mr.MALATHESH SATAGI	STPL	20-08-2024	IME
20		Mr.GUDDESH KENCHAPPA	ENCORE	07-08-2028	IME
21		Mr.MOHAMMED SOHIL	ENCORE	23-08-2024	IME
22		Mr.MANANTHESH DG	PEREGRINE	01-08-2024	IME
23		Mr.DEEPAK GAWDA	ENCORE	22-08-2024	IME
24		Mr.YASH BILE	STPL	12-08-2024	IME
25		Mr. NISHANT PANDYE	STPL	12-08-2024	IME
26		Mr. B K HANUMANTHAPPA	BSV	05-08-2024	IME
27		Mr. G KANIMESH	BSV	29-08-2024	IME

28		Mr. ABHISHEK P	BSV	27-08-2024	IME
29		Mr. AKASH R	BSV	27-08-2024	IME
30		Mr. YASHAVANTH V	BSV	27-08-2024	IME
31		Mr. KISHOR M	BSV	27-08-2024	IME
32		Mr. ABHIJITH VARGHESE	BSV	26-08-2024	IME
33		Mr. GIRISH A	BSV	27-08-2024	IME
MONTH WISE - COMPANY & B P PME DONE LIST FOR THE MONTH OF AUGUST -2024					
SL NO		NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	PME

Mr. THIS MONTH PME NIL

MONTH WISE - COMPANY & B P IME DONE LIST FOR THE MONTH OF SEPTEMBER -2024					
SL NO	E CODE	NAME OF THE EMPLOYEE	NAME OF THE COMPANY	DATE OF - ME	IME
1		Mr. ANUP KUMAR YADHAV	FORTECK	18-09-2024	IME
2		Mr. VISHAL KUMAR	FORTECK	18-09-2024	IME
3		Mr. NIYAZ ANSARI	FORTECK	18-09-2024	IME
4		Mr. TIPPANNA ROTTI	PEREGRINE GUARDING PVT LTD	12-09-2024	IME
5		Mr. ABHI T	Encore Heavy Machinery Private Limi	28-09-2024	IME
6		Mr. SANJAY KHALKHO	PEREGRINE GUARDING PVT LTD	25-09-2024	IME
7		Mr. LALAN KUMAR	PEREGRINE GUARDING PVT LTD	23-09-2024	IME
8		Mr. AKHILESH KUMAR	PEREGRINE GUARDING PVT LTD	19-09-2024	IME
9		Mr. SIDDESH C	STPL	23-09-2024	IME
10		Mr. SALEEM RAYA	STPL	23-09-2024	IME
11		Mr. BASAPPA HANUMANTHAPPA SHIR	BSV	19-09-2024	IME
12		Mr. CHETANA G R	STPL	13-09-2024	IME
13		Mr. SAURABH KUMAR SINGH	PEREGRINE GUARDING PVT LTD	24-09-2024	IME
14		Mr. ABHISHEK KUMAR SINGH	PEREGRINE GUARDING PVT LTD	28-09-2024	IME
15		Mr. CHANDAN DAS	PEREGRINE GUARDING PVT LTD	27-09-2024	IME
16		Mr. ANAND KUMAR	PEREGRINE GUARDING PVT LTD	10-03-2024	IME
17		Mr. DATTAPRASAD PRABHAKAR MEJA	STPL	10-03-2024	IME
18		Mr. SUMANTH PS	BSV	11-09-2024	IME
19		Mr. ASHADUL MONDAL	FOURTECH	04-09-2024	IME
20		Mr. AZARUDDIN SHAIKH	FOURTECH	04-09-2024	IME
21		Mr. SHIVAKUMARARIAH RMM	FOURTECH	04-09-2024	IME
22		Mr. SUBHAN SAB	FOURTECH	04-09-2024	IME
23		Mr. SHAMIM	FOURTECH	04-09-2024	IME
24		Mr. GANESH H V	FOURTECH	04-09-2024	IME
25		Mr. MANJAPPA	FOURTECH	04-09-2024	IME
26		Mr. AVINASH PRASAD	FOURTECH	04-09-2024	IME
27		Mr. HARISH H	FOURTECH	04-09-2024	IME
28		Mr. MARUTHI H	FOURTECH	04-09-2024	IME
29		Mr. MARUF MONDAL	FOURTECH	04-09-2024	IME
30		Mr. MANJUNATH D	FOURTECH	04-09-2024	IME

31		Mr. SUNIL KUMAR P	FOURTECH	04-09-2024	IME
32		Mr. MONISH DAFADAR	FOURTECH	04-09-2024	IME
33					
MONTH WISE - COMPANY & B P PME DONE LIST FOR THE MONTH OF SEPTEMBER -2024					

Mr. THIS MONTH PME NIL

05.09.2024

To

The Senior Geologist,
District Ground Water Office,
Groundwater Directorate,
Chitradurga District

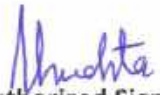
Respected Sir,

Subject: Submission of NOC Renewal Application form Request No. GWD2024519653

We are herewith submitting the of Ground Water NOC renewal Application form Request No. GWD2024519653 for Vedanta Limited Iron Ore Mine (ML:2677) situated in Chitradurga District, Karnataka.

Thanking you,

Yours Faithfully
For Vedanta Limited



Authorized Signatory

VEDANTA LIMITED

Enclosure:

- 1) Previous NOC
- 2) Hydrogeology Report
- 3) Rainwater Harvesting Structure Details
- 4) Water Balance Chart
- 5) STP Flow chart
- 6) Water Quality Reports
- 7) Latest CTO
- 8) Latest EC



VEDANTA LIMITED

Sesa Iron Ore, Karnataka Meghalahalli Office Complex Bheemasamudra, Chitradurga, Karnataka - 577 520. T 08194-238100. www.sesagoaironore.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai 400093, Maharashtra, India.
CIN: L13209MH1965PLC291394



Karnataka Ground Water Authority

K.S.F.C Bhavan, Thimmaiah Road, Bengaluru- 560052, Karnataka.

E-mail: gwdkar@gmail.com, Ph No: 080-22268732

No: KGWAN1596952645

Dated : 15-09-2022

NO OBJECTION CERTIFICATE - FORM 3 A RULE(6)

Permission For Digging/Drilling A Well/ Borewell/ Extraction Of Groundwater For Industrial/
Commercial/ Entertainment Or Other Use

M/s VEDANTA LTD
SesaGhor 20 EDC complex, panjim, Goa



Above Person/Company is permitted for extraction of groundwater at below mentioned location(s):

SL NO.	LOCATION
1	21, A. Narrain Mines - Proposed BW-1, chitradurga taluk
2	21, A. Narrain Mines - Proposed BW-2, chitradurga taluk
3	21, A. Narrain Mines - Proposed BW-3, chitradurga taluk
4	21, A. Narrain Mines - Proposed - BW-4, chitradurga taluk
5	21, Right side North block road - Existing BW-1, chitradurga taluk
6	21, ML 2677, chitradurga taluk
7	21, ML 2677 - Existing BW-3, chitradurga taluk
8	21, ML 2677 - Existing BW-4, chitradurga taluk
9	21, ML 2677 - Existing BW-5, chitradurga taluk

From (9) Bore Wells For Mining Use, Subject To The Following Conditions :-

- ❖ The firm may abstract **350 m3/day** (not exceeding **127750 m3/year**) of groundwater through (9) bore wells only. No additional groundwater abstraction structures to be constructed for this purpose without prior approval of the KGWA.
- ❖ This NOC is valid for 2 years from the date of issue of this letter.
- ❖ As per the categorization of taluks, chitradurga taluk in Chitradurga district fall under Over Exploited taluk category. Hence, the Groundwater Abstraction/Restoration Charges to be paid is Rs. 1750 per day.
- ❖ The Firm at its own cost shall install piezometer/s, at suitable locations and execute groundwater regime monitoring programme in and around the project area on regular basis in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, **Chitradurga** District.

NO. OF PIEZOMETERS	MONITORING MECHANISM		
	MANUAL	DWLR	DWLR WITH TELEMETRY
1	0	1	0

- ❖ The firm shall submit the water audit report to KGWA through certified auditors within One year of issue of NOC for more than 100KLD Ground water users.
- ❖ The well should not be used for drawing water for any other use other than applied for.

- ❖ The withdrawal of water should be better managed to avoid wastage of water
- ❖ The utilized water should be recycled and reused after necessary treatment
- ❖ The construction of rain water harvesting structures in the vicinity of the well/ bore well shall be as per the technical opinion of Senior Geologist, District Groundwater Office, Groundwater Directorate,**Chitradurga** District.
- ❖ The utilization of water will be subject to the regulation from time to time based on the extraction of water from the well/bore well
- ❖ The pollution of groundwater resources should be avoided
- ❖ Water meter has to be installed and data on groundwater draft is to be maintained and submitted every month to the Authority concerned. The groundwater quality to be monitored twice in a year during pre-monsoon and post monsoon periods.
- ❖ **M/s VEDANTA LTD** shall, in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, **Chitradurga** District, implement groundwater recharge measures for augmenting the groundwater resources of the area.
- ❖ The photographs of the recharge structures after completion of the same are to be furnished immediately to the Senior Geologist, District Groundwater Office, Groundwater Directorate, **Chitradurga** District, for verification.
- ❖ The abstraction/restoration charges should be deposited to the Karnataka Groundwater Authority account in the form of DD / Cash.
- ❖ The groundwater monitoring data in respect of Point No. 4 & 12 to be submitted to Senior Geologist, District Groundwater Office, Groundwater Directorate, **Chitradurga** District on regular basis at least once in a year.
- ❖ The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in Point No. 1 to 15.
- ❖ The Karnataka Groundwater (Regulation for Protection of Sources of Drinking Water) Act, 1999 should be followed scrupulously.
- ❖ This NOC is subject to prevailing Central/State Government rules /laws or Court orders related to construction of bore well/ groundwater withdrawal /construction of recharge or conservation structures /discharge of effluents or any such matter as applicable.
- ❖ This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.

BANK ACCOUNT DETAILS ARE GIVEN BELOW	
Bank	: CANARA BANK
Account Holder	: CHAIRMAN, KGWA
Account No	: 0788201052332
IFSC	: CNRB0000788
Account Type	: CURRENT ACCOUNT

- ❖ It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will vary from permitted quantity. The company should make alternate arrangements for the reducing quantity for sustaining their industrial activity by means of availing water through local bodies or using the urban waste water after proper treatment.
- ❖ The fee that will be levied by the government for the groundwater usage is applicable from the date such orders are issued by the government.
- ❖ The firm is bound to obey the directions of NGT/ court orders that are existing and that may be laid down in future in matters related to Groundwater withdrawal.
- ❖ ADDITIONAL CONDITIONS: 1) M/s. Vedanta Limited is permitted to abstract 350 m3/day (not exceeding 1,27,750 m3/year) of groundwater through Five (05) Existing bore wells and Four (04) Proposed Borewells. No additional groundwater abstraction structures to be constructed for this purpose without prior approval of the KGWA. 2) This NOC is valid for Two years from 15.09.2022 to 14.09.2024. 3) As per the categorization of taluks, Chitradurga taluk in Chitradurga district fall under Over Exploited taluk category. Hence, the Groundwater Restoration Charges to be paid is Rs.3500 per day. 4) The Firm at its own cost shall install One piezometer, at suitable locations and execute groundwater regime monitoring programme in and around the project area on regular basis in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, Chitradurga District. 5) The firm shall submit the water audit report through certified auditors within one year of completion of the same to KGWA.

This NOC has been issued as per the proceedings drawn from the meeting held under the Chairmanship of Deputy Commissioner, District Groundwater Committee, Chitradurga District on 01-02-2022 and the proceedings drawn from the Karnataka Groundwater Authority meeting held under the Chairmanship of Secretary & Chairman, Minor Irrigation and Groundwater Development Department and Karnataka Groundwater Authority on 20.07.2022..

To,

M/S VEDANTA LTD

SesaGhor 20 EDC Complex, Panjim, Goa



Copy For Information To,

1. The Deputy Commissioner, Chitradurga District
2. Regional Director, Central Groundwater Board, SWR.
3. The Director, Groundwater Directorate and Member Secretary, Karnataka Groundwater Authority, KSFC Bhavana, Bengaluru
4. The Deputy Director, Groundwater Directorate, KSFC Bhavana, Bengaluru

Place : Chitradurga

Date : 15-09-2022

(E-SIGN SIGNATURE)

**Signature of Designated Officer
Karnataka Groundwater Authority**

Details of groundwater recharge and Rainwater Harvesting structures constructed are as follows:

) Masonry Check Dam	CDL-1	21/20	1.0/1.5	2.0/3	3.5/3	Additionally Constructed
	CDR-1	8/20	1.3/1.5	1.5/3	2.5/3	Additionally Constructed
	CDR-2	7.8/20	1.0/1.5	2.0/3	2.0/3	Additionally Constructed
	CDR-3	21/20	1.0/1.5	2.0/3	2.5/3	Additionally Constructed
	CDR-4	21/20	1.0/1.5	2.0/3	3.5/3	Constructed as per site specific condition
	CDR-5	21/20	1.2/1.5	2.2/3	2.5/3	Additionally Constructed
	CDR-6	19/20	1.6/1.5	2.6/3	2.5/3	Additionally Constructed
	CDR-7	22.4/20	1.6/1.5	2.6/3	2.6/3	Constructed as per site specific condition
	CDR-8	21.6/20	1.4/1.5	1.6/3	3.5/3	Constructed as per site specific condition
	CDR-9	23.6/20	1.6/1.5	3.0/3	3.5/3	Constructed as per site specific condition
	CDR10	21/20	1.6/1.5	3.3/3	3.6/3	Constructed as per site specific condition
	CDR11	14.5/20	1.0/1.5	1.5/3	2.5/3	Constructed as per site specific condition
	CDR12	21/20	1.0/1.5	2.0/3	3.5/3	Constructed as per site specific condition
	CDR13	36/20	1.46/1.5	2.5/3	2.5/3	Additionally Constructed
	CDR14	19.6/20	1.4/1.5	2.4/3	2.6/3	Constructed as per site specific condition
	CDR15	14.2/20	1.5/1.5	2.5/3	2.2/3	Additionally Constructed
	CDR16	14/20	1.2/1.5	2.2/3	2.0/3	Additionally Constructed

	CDR17	16/20	1.0/1.5	2.6/3	2.0/3	Additionally Constructed
	CDF-1	19/20	1.2/1.5	2.0/3	3.0/3	Additionally Constructed
	CDF-2	33/20	1.5/1.5	2.5/3	3.5/3	Additionally Constructed
	CDF-3	10/20	0.8/1.5	1.0/3	2.0/3	Additionally Constructed
	CDF-4	14/20	1.4/1.5	2.2/3	2.0/3	Additionally Constructed
	CDF-5	20.4/20	1.3/1.5	2.3/3	3.0/3	Constructed as per site specific condition
	CDF-6	21.0/20	1.1/1.5	2.1/3	3.0/3	Constructed as per site specific condition
	CDF-7	19.2/20	1.4/1.5	3.0/3	3.2/3	Constructed as per site specific condition
	CDF-8	12.3/20	1.4/1.5	3.0/3	2.9/3	Constructed as per site specific condition
	CDF-9	24.6/20	1.45/1.5	3.1/3	3.2/3	Constructed as per site specific condition
	CDF10	20.2/20	2.1/1.5	3.0/3	3.0/3	Constructed as per site specific condition
	CDF11	20.5/20	1.5/1.5	2.5/3	3.1/3	Constructed as per site specific condition
	CDF12	22.3/20	1.6/1.5	3.5/3	3.4/3	Constructed as per site specific condition
	CDF13	18.2/20	0.9/1.5	2.0/3	2.5/3	Additionally Constructed
	CDF14	14.2/20	1.2/1.5	1.2/3	2.0/3	Additionally Constructed
	CDF15	23.2/20	1.8/1.5	3.1/3	3.0/3	Constructed as per site specific condition
	CDF16	9.6/20	1.0/1.5	2.0/3	2.5/3	Additionally Constructed
	CDF17	20.2/20	1.5/1.5	3.0/3	3.0/3	Constructed as per site specific condition
	CDF18	21.6/20	1.6/1.5	3.0/3	3.0/3	Constructed as per site specific condition
	SPR-1	60/30	15/15		3/3	Constructed as per site specific condition
	SPR-2	80/30	20/15		3.5/3	Additionally Constructed

Silt Settling Tank	SPR-3	10/30	10/15	3.0/3	Sump below Dump D2
	SPR-4	9/30	9/15	2.5/3	Additionally Constructed
	SPF-1	60/30	15/15	3/3	Constructed as per site specific condition
	SPF-2	60/30	15/15	3/3	Constructed as per site specific condition
	SPF-3	20/30	20/15	3/3	Additionally Constructed





Desilting of Check Dams & Settling Ponds:

Desilting is conducted every year and the silt is used for plantation. In FY 2023-24 ~1,00,000 m³ of desilting was conducted in the nearby village ponds there by increasing the catchment area.





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TEST REPORT

No. 2024100001

AMBIENT AIR QUALITY DATA

Name of the Project : Vedanta Limited Iron Ore Mine (ML2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone - Fixed crushing cum Screening plant – 1 Shift - 1
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77816	PTO19916	10240085	10240086
	MGFA77830	PTO19930	10240109	10240110
	MGFA77860	PTO63959	10240319	10240320
	MGFA77874	PTO63973	10240343	10240344
	MGFA776104	PTO54103	10240443	10240444
	MGFA776118	PTO54117	10240467	10240468
	MGFA776148	PTO54147	10240553	10240554
	MGFA776162	PTO53410	10240577	10240578
Date of Sampling	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	56.3	38.2	32.3	15.2
08.10.2024	58.4	35.1	33.4	16.4
17.10.2024	55.2	41.2	31.2	15.8
18.10.2024	59.6	40.6	30.5	18.6
24.10.2024	62.5	38.9	36.5	17.5
25.10.2024	60.1	38.2	31.4	16.8
29.10.2024	58.4	39.3	35.2	19.2
30.10.2024	58.0	37.5	30.2	17.4
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Geake method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected; **NS:** No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

(Signature)

LABORATORY HEAD
(NEELAKANDAN)

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accreditation ISO/IEC 17025:2017,
Certification No: 13926, Validity
from 20.06.2024 to 19.06.2026



TC-13926

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1st Cross, BTM Layout II Stage, Behind Central Silk
Board, Bangalore – 560068, Karnataka, India, Tele:
+918026783006 Email: mail@metamorphosis-india.com.



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TEST REPORT

No. 2024100002

AMBIENT AIR QUALITY DATA

Name of the Project	: Vedanta Limited Iron Ore Mine (ML :2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Loading Point - Shift - 1
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77818	PTO19918	10240087	10240088
	MGFA77832	PTO19932	10240111	10240112
	MGFA77862	PTO63961	10240321	10240322
	MGFA77876	PTO63975	10240345	10240346
	MGFA77606	PTO54105	10240445	10240446
	MGFA776120	PTO54119	10240469	10240470
	MGFA776150	PTO54149	10240555	10240556
	MGFA776164	PTO53412	10240579	10240580
Date of Sampling	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	55.6	39.6	33.2	15.4
08.10.2024	60.2	41.2	32.4	15.2
17.10.2024	62.4	40.5	36.5	17.4
18.10.2024	63.2	38.7	32.8	18.2
24.10.2024	60.8	36.9	35.1	16.4
25.10.2024	58.3	37.4	30.5	15.1
29.10.2024	59.4	38.2	31.8	18.5
30.10.2024	58.6	40.1	29.8	14.7
Protocol Method	IS:5182 (Part 23) – Gravimetric method	:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

(Signature)

**LABORATORY HEAD
(NEELAKANDAN)**



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Certification No: 13926, Validity
from 20.06.2024 to 19.06.2026

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TEST REPORT

No. 2024100003

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML :2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone – Un Loading Point - Shift - 1	
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77820	PTO19920	10240089	10240090
	MGFA77834	PTO19934	10240113	10240114
	MGFA77864	PTO63963	10240323	10240324
	MGFA77878	PTO63977	10240347	10240348
	MGFA776108	PTO54107	10240447	10240448
	MGFA776122	PTO54121	10240471	10240472
	MGFA776152	PTO53400	10240557	10240558
	MGFA776166	PTO53414	10240581	10240582
Date of Sampling	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	52.5	38.6	36.5	14.6
08.10.2024	56.2	36.4	32.4	16.2
17.10.2024	57.1	35.8	29.5	15.2
18.10.2024	58.3	39.1	24.5	17.6
24.10.2024	59.3	42.5	30.2	19.2
25.10.2024	60.4	38.6	31.8	15.4
29.10.2024	63.5	36.9	30.5	17.2
30.10.2024	62.8	39.9	28.4	20.2
Protocol Method	IS:5182 (Part 23) – Gravimetric method	:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

(Signature)

**LABORATORY HEAD
(NEELAKANDAN)**



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TEST REPORT

No. 2024100004

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML :2677)		
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone – Main Haulage road - Shift - 1		
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Ambient Air		
Month of Sampling : October - 2024		Date of Sample Receipt : --		
Report Date: 10.11.2024				
Parameter	PM₁₀ µg m³	PM_{2.5} µg m³	NO₂ µg m³	SO₂ µg m³
Sample no. Date of Sampling	MGFA77822 MGFA77836 MGFA77866 MGFA77880 MGFA776110 MGFA776124 MGFA776154 MGFA776168 (Chronologically date wise)	PTO19922 PTO19936 PTO63965 PTO63979 PTO54109 PTO54123 PTO53402 PTO53416 (Chronologically date wise)	10240091 10240115 10240325 10240349 10240449 10240473 10240559 10240583 (Chronologically date wise)	10240092 10240116 10240326 10240350 10240450 10240474 10240560 10240584 (Chronologically date wise)
07.10.2024	59.6	35.6	28.6	15.2
08.10.2024	55.4	32.5	27.4	16.8
17.10.2024	52.6	35.4	25.2	18.3
18.10.2024	57.6	39.8	29.6	19.5
24.10.2024	56.2	41.2	30.4	15.6
25.10.2024	55.1	40.5	32.5	17.4
29.10.2024	58.3	40.8	28.6	15.6
30.10.2024	54.5	38.4	24.7	18.6
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

(Signature)

**LABORATORY HEAD
(NEELAKANDAN)**



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TEST REPORT

No. 2024100005

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML :2677)		
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone – Ore Stack Area - Shift - 1		
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Ambient Air		
Month of Sampling : October - 2024		Date of Sample Receipt : --		
Report Date: 10.11.2024				
Parameter	PM₁₀ µg m³	PM_{2.5} µg m³	NO₂ µg m³	SO₂ µg m³
Sample no. Date of Sampling	MGFA77824 MGFA77838 MGFA77868 MGFA77828 MGFA776112 MGFA776126 MGFA776156 MGFA776170 (Chronologically date wise)	PTO19924 PTO19938 PTO63967 PTO63981 PTO54111 PTO54125 PTO53404 PT503418 (Chronologically date wise)	10240093 10240117 10240327 10240351 10240451 10240475 10240561 10240585 (Chronologically date wise)	10240094 10240118 10240328 10240352 10240452 10240476 10240562 10240586 (Chronologically date wise)
07.10.2024	55.6	36.9	28.6	15.6
08.10.2024	58.4	37.8	30.4	17.5
17.10.2024	59.2	40.2	31.9	16.9
18.10.2024	60.1	39.6	28.4	17.4
24.10.2024	57.6	38.4	30.2	19.5
25.10.2024	58.6	37.4	31.8	20.1
29.10.2024	57.9	36.9	29.6	16.3
30.10.2024	58.1	40.9	30.1	15.4
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

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TEST REPORT

No. 2024100006

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML :2677)		
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone – MEMC Railway Siding - Shift - 1		
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Ambient Air		
Month of Sampling : October - 2024		Date of Sample Receipt : --		
Report Date: 10.11.2024				
Parameter	PM₁₀ µg m³	PM_{2.5} µg m³	NO₂ µg m³	SO₂ µg m³
Sample no. Date of Sampling	MGFA77826	PTO19926	10240095	10240096
	MGFA77840	PTO19940	10240119	10240120
	MGFA77870	PTO63969	10240329	10240330
	MGFA77884	PTO63983	10240353	10240354
	MGFA776114	PTO54113	10240453	10240454
	MGFA776128	PTO54127	10240475	10240476
	MGFA776158	PTO53406	10240563	10240564
	MGFA776172	PTO53420	10240587	10240588
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	54.6	42.6	32.6	15.6
08.10.2024	58.6	39.3	29.4	14.8
17.10.2024	60.4	38.4	30.4	15.2
18.10.2024	57.4	40.2	34.7	13.6
24.10.2024	58.2	39.4	35.9	14.8
25.10.2024	56.9	37.4	28.7	19.5
29.10.2024	60.3	36.8	29.5	17.4
30.10.2024	62.4	37.7	28.9	15.9
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

*** End of Report ***

Authorized Signatory

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TEST REPORT

No. 2024100007

AMBIENT AIR QUALITY DATA

Name of the Project : Vedanta Limited Iron Ore Mine (ML :2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name :Transport Route Location – Bheema Samudhra Petrol Bunk
Duration of Sampling : 24 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77828	PTO19928		
	MGFA77842	PTO19942		
	MGFA77872	PTO63971		
	MGFA77886	PTO63985	--	--
	MGFA776116	PTO54115		
	MGFA776130	PTO54129		
	MGFA776160	PTO53408		
	MGFA776174	PTO53422		
Date of Sampling	(Chronologically date wise)	(Chronologically date)		
07.10.2024	55.8	38.4	--	--
08.10.2024	60.4	36.9	--	--
17.10.2024	58.6	37.4	--	--
18.10.2024	62.4	36.9	--	--
24.10.2024	60.3	38.5	--	--
25.10.2024	61.4	34.9	--	--
29.10.2024	59.8	38.6	--	--
30.10.2024	58.7	37.4	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	--	--
NAAQ Standards	100	60	--	--

Note: The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100008

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML :2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name :Transport Route Location – Bomanahalli Village	
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77829	PTO19929	--	--
Date of Sampling	MGFA77843	PTO19943		
	MGFA77873	PTO63972		
	MGFA77887	PTO63986		
	MGFA776117	PTO54116		
	MGFA776131	PTO54130		
	MGFA776161	PTO53409		
	MGFA776175	PTO53423		
(Chronologically date)		(Chronologically date)		
07.10.2024	62.8	40.3	--	--
08.10.2024	63.4	41.9	--	--
17.10.2024	65.8	42.9	--	--
18.10.2024	64.1	41.7	--	--
24.10.2024	66.5	40.3	--	--
25.10.2024	67.1	43.6	--	--
29.10.2024	62.8	38.9	--	--
30.10.2024	63.8	39.1	--	--
Protocol Method		IS:5182 (Part 24) – Gravimetric method	--	--
NAAQ Standards	100	60	--	--

Note : The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100009

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)		
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone - Fixed crushing cum Screening plant – 1 Shift - 2		
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Ambient Air		
Month of Sampling : October - 2024		Date of Sample Receipt : --		
Report Date: 10.11.2024				
Parameter	PM₁₀ µg m³	PM_{2.5} µg m³	NO₂ µg m³	SO₂ µg m³
Sample no. Date of Sampling	MGFA77817 MGFA77831 MGFA77861 MGFA77875 MGFA776105 MGFA776119 MGFA776149 MGFA776163 (Chronologically date wise)	PTO19917 PTO19931 PTO63960 PTO63974 PTO54104 PTO54118 PTO54148 PTO53411 (Chronologically date wise)	10240097 10240121 10240331 10240355 10240455 10240477 10240565 10240589 (Chronologically date wise)	10240098 10240122 10240332 10240356 10240456 10240478 10240566 10240590 (Chronologically date
07.10.2024	56.6	39.8	32.2	15.9
08.10.2024	58.3	40.2	29.8	16.8
17.10.2024	61.4	42.5	27.5	17.4
18.10.2024	62.8	43.5	30.2	18.6
24.10.2024	58.3	40.2	30.4	19.6
25.10.2024	59.3	39.5	28.9	20.4
29.10.2024	62.4	38.4	30.7	18.5
30.10.2024	63.8	42.1	31.6	17.8
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100010

AMBIENT AIR QUALITY DATA

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Loading Point - Shift - 2
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77819	PTO19919	10240099	10240100
	MGFA77833	PTO19933	10240123	10240124
	MGFA77863	PTO63962	10240333	10240334
	MGFA77877	PTO63976	10240357	10240358
	MGFA776107	PTO54106	10240457	10240458
	MGFA776121	PTO54120	10240479	10240480
	MGFA776151	PTO54150	10240567	10240568
	MGFA776165	PTO534113	10240591	10240592
Date of Sampling	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	58.3	38.6	32.6	18.6
08.10.2024	56.9	37.4	33.1	16.4
17.10.2024	60.4	40.6	36.4	15.8
18.10.2024	63.8	41.1	31.2	19.5
24.10.2024	62.4	39.5	32.4	20.4
25.10.2024	60.9	37.1	30.5	16.9
29.10.2024	59.4	36.9	28.4	14.7
30.10.2024	58.3	41.5	29.4	15.6
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100011

AMBIENT AIR QUALITY DATA

Name of the Project : Vedanta Limited Iron Ore Mine (ML:2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Un Loading Point - Shift - 2
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no. Date of Sampling	MGFA77821	PTO19921	10240101	10240102
	MGFA77835	PTO19935	10240125	10240126
	MGFA77865	PTO63964	10240335	10240336
	MGFA77879	PTO63978	10240359	10240360
	MGFA776109	PTO54108	10240459	10240460
	MGFA776123	PTO54122	10240481	10240482
	MGFA776153	PTO53401	10240569	10240570
	MGFA776167	PTO53415	10240593	10240594
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	59.2	40.2	33.6	16.8
08.10.2024	60.4	42.6	34.2	19.4
17.10.2024	62.2	39.4	30.2	20.1
18.10.2024	58.4	38.3	32.9	18.7
24.10.2024	62.9	40.4	31.0	16.5
25.10.2024	63.4	36.9	35.4	14.2
29.10.2024	64.7	38.7	33.3	15.2
30.10.2024	62.1	37.2	30.8	16.9
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

*** End of Report ***

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TEST REPORT

No. 2024100012

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone – Main Haulage road - Shift - 2	
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no. Date of Sampling	MGFA77823	PTO19923	10240103	10240104
	MGFA77837	PTO19937	10240127	10240128
	MGFA77867	PTO63966	10240337	10240338
	MGFA77881	PTO63980	10240361	10240362
	MGFA776111	PTO54110	10240461	10240462
	MGFA776125	PTO54124	10240483	10240484
	MGFA776155	PTO53403	10240571	10240572
	MGFA776169	PTO53417	1024595	10240596
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
07.10.2024	60.2	41.3	29.3	18.6
08.10.2024	58.3	39.6	30.2	15.6
17.10.2024	54.6	35.7	35.4	16.5
18.10.2024	56.9	42.6	32.1	18.2
24.10.2024	58.3	41.6	29.9	19.4
25.10.2024	59.9	39.3	28.5	17.4
29.10.2024	61.7	38.3	28.6	13.6
30.10.2024	63.3	37.9	30.4	15.7
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample.

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

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TEST REPORT

No. 2024100013

AMBIENT AIR QUALITY DATA

Name of the Project : Vedanta Limited Iron Ore Mine (ML:2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Iron Ore Plant Ore Stack Area-Shift - 2
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no. Date of Sampling	MGFA77825	PTO19925	10240105	10240106
	MGFA77839	PTO19939	10240129	10240130
	MGFA77869	PTO63968	10240339	10240340
	MGFA77883	PTO63980	10240363	10240364
	MGFA776113	PTO54112	10240463	10240464
	MGFA776127	PTO54126	10240485	10240486
	MGFA776157	PTO53405	10240573	10240574
	MGFA776171	PTO53419	10240597	10240598
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise))
07.10.2024	58.3	41.3	31.6	16.5
08.10.2024	56.9	39.6	36.7	15.9
17.10.2024	60.4	37.3	33.6	17.4
18.10.2024	59.4	36.9	29.7	18.2
24.10.2024	58.3	40.7	29.1	14.5
25.10.2024	60.4	42.6	28.5	13.9
29.10.2024	63.1	38.8	26.9	15.8
30.10.2024	59.9	39.7	30.3	17.3
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100014

AMBIENT AIR QUALITY DATA

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – MEMC Railway Siding - Shift - 2
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no. Date of Sampling	MGFA77827	PTO19927	10240107	10240108
	MGFA77841	PTO19941	10240131	10240132
	MGFA77871	PTO63970	10240341	10240342
	MGFA77885	PTO63984	10240365	10240366
	MGFA776115	PTO54114	10240465	10240466
	MGFA776129	PTO54128	10240487	10240488
	MGFA776159	PTO53407	10240575	10240576
	MGFA776173	PTO53421	10240599	10240600
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise))	(Chronologically date wise))
	07.10.2024	38.4	36.5	15.1
	08.10.2024	40.7	31.4	16.3
	17.10.2024	39.8	30.2	18.7
	18.10.2024	41.7	29.8	19.2
	24.10.2024	42.3	24.7	20.1
	25.10.2024	37.9	32.1	19.3
	29.10.2024	39.1	30.2	18.4
	30.10.2024	41.8	35.6	17.3
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. **BDL**: Below Detection Limit; **NA**: Not Analysed; **ND**: Not Detected; **NS**: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

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TEST REPORT

No. 2024100015

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone – Megalahalli Village	
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no. Date of Sampling	MGFA77800	PTO19900	10240009	10240010
	MGFA77808	PTO19908	10240017	10240018
	MGFA77844	PTO19944	10240261	10240262
	MGFA77852	PTO63951	10240269	10240270
	MGFA77888	PTO63987	10240397	10240398
	MGFA77896	PTO63995	10240405	10240406
	MGFA776132	PTO54131	10240499	10240500
	MGFA776140	PTO54139	10240531	10240532
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
03.10.2024	59.3	41.3	32.4	15.6
04.10.2024	58.3	42.8	31.2	14.8
14.10.2024	59.4	39.7	30.7	18.3
15.10.2024	60.1	38.4	33.9	19.6
21.10.2024	62.3	38.1	29.4	20.1
22.10.2024	64.1	39.4	28.6	13.8
26.10.2024	58.4	40.7	29.7	17.6
28.10.2024	59.4	38.4	30.2	15.2
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric Method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analyzed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100016

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone – Tanigehalli Village	
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no. Date of Sampling	MGFA77801	PTO19901	10240011	10240012
	MGFA77809	PTO19909	10240019	10240020
	MGFA77845	PTO19945	10240263	10240264
	MGFA77853	PTO63952	10240271	10240272
	MGFA77889	PTO63988	10240399	10240400
	MGFA77897	PTO63996	10240407	10240408
	MGFA776133	PTO54132	10240501	10240502
	MGFA776141	PTO54140	10240533	10240534
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
03.10.2024	56.9	41.6	33.1	18.6
04.10.2024	61.2	39.6	30.5	14.3
14.10.2024	63.7	37.5	28.4	15.2
15.10.2024	62.8	36.1	26.9	16.7
21.10.2024	66.9	35.9	27.1	14.8
22.10.2024	67.1	42.1	30.2	13.6
26.10.2024	62.5	43.5	30.7	12.9
28.10.2024	58.3	40.9	31.5	
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24 – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100017

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone – Medikeripura Village	
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77802	PTO19902	10240013	10240014
	MGFA77810	PTO19910	10240021	10240022
	MGFA77846	PTO19946	10240265	10240266
	MGFA77854	PTO63953	10240273	10240274
	MGFA77890	PTO63989	10240401	10240402
	MGFA77898	PTO63997	10240409	10240410
	MGFA776134	PTO54133	10240503	10240504
	MGFA776142	PTO54141	10240535	10240536
Date of Sampling	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
03.10.2024	58.7	41.3	32.4	14.6
04.10.2024	59.2	38.6	30.2	15.2
14.10.2024	60.1	39.4	29.8	18.3
15.10.2024	63.8	40.2	25.7	16.8
21.10.2024	57.9	41.9	26.9	20.4
22.10.2024	58.3	37.3	24.0	14.5
26.10.2024	59.3	39.7	32.9	15.2
28.10.2024	60.7	38.6	31.4	13.9
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note : The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. **BDL**: Below Detection Limit; **NA**: Not Analysed; **ND**: Not Detected; **NS**: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100018

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)		
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone –Konanuru Village		
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air		
Month of Sampling : October - 2024		Date of Sample Receipt : --		
Report Date: 10.11.2024				
Parameter	PM₁₀ µg m³	PM_{2.5} µg m³	NO₂ µg m³	SO₂ µg m³
Sample no. Date of Sampling	MGFA77803	PTO19903	10240015	10240016
	MGFA77811	PTO19911	10240023	10240024
	MGFA77847	PTO19947	10240267	10240268
	MGFA77855	PTO63954	10240275	10240276
	MGFA77891	PTO63990	10240403	10240404
	MGFA77899	PTO63998	10240411	10240412
	MGFA776135	PTO54134	10240505	10240506
	MGFA776143	PTO54142	10240537	10240538
	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)	(Chronologically date wise)
03.10.2024	65.2	39.4	32.4	16.5
04.10.2024	63.4	40.1	30.1	14.8
14.10.2024	65.2	38.7	29.8	19.5
15.10.2024	57.1	39.5	27.6	21.4
21.10.2024	58.9	42.1	29.5	16.5
22.10.2024	58.1	43.5	31.0	14.3
26.10.2024	56.9	38.6	33.5	15.4
28.10.2024	58.7	38.7	35.4	16.5
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client. **BDL:** Below Detection Limit; **NA:** Not Analysed; **ND:** Not Detected; **NS:** No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100019

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML2677)		
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Transportation Route – Malapanahatti Junction		
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air		
Month of Sampling : October - 2024		Date of Sample Receipt : --		
Report Date: 10.11.2024				
Parameter	PM₁₀ µg m³	PM_{2.5} µg m³	N O₂	SO₂ µg/m3
Sample no. Date of Sampling	MGFA77804 MGFA77812 MGFA77848 MGFA77856 MGFA77892 MGFA77900 MGFA776136 MGFA776144 (Chronologically date wise)	PTO19904 PTO19912 PTO19948 PTO63955 PTO63991 PTO63999 PTO54135 PTO54143 (Chronologically date wise)	--	--
03.10.2024	61.6	42.3	--	--
04.10.2024	62.4	41.7	--	--
14.10.2024	64.8	43.6	--	--
15.10.2024	59.5	40.7	--	--
21.10.2024	58.4	39.5	--	--
22.10.2024	61.8	37.8	--	--
26.10.2024	58.2	38.9	--	--
28.10.2024	58.2	41.3	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	--	--
NAAQ Standards	100	60	--	--

Note: The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. BDL: Below Detection Limit; NA: Not Analysed; ND: Not Detected; NS: No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100020

AMBIENT AIR QUALITY DATA

Name of the Project : Vedanta Limited Iron Ore Mine (ML2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Transportation Route : Hirekandwadi Village
Duration of Sampling : 24 Hrs	Particulars of Sample Collected : Ambient Air
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77805	PTO19905		
	MGFA77813	PTO19913		
	MGFA77849	PTO19949		
	MGFA77857	PTO63956	--	--
	MGFA77893	PTO63992		
	MGFA776100	PTO64000		
	MGFA776137	PTO54136		
	MGFA7761445	PTO54144		
Date of Sampling (Chronologically date wise)		(Chronologically date wise)		
03.10.2024	58.1	40.6	--	--
04.10.2024	60.3	38.5	--	--
14.10.2024	62.4	42.4	--	--
15.10.2024	64.7	43.1	--	--
21.10.2024	61.8	41.9	--	--
22.10.2024	60.5	40.2	--	--
26.10.2024	58.4	43.6	--	--
28.10.2024	59.2	41.9	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method
NAAQ Standards	100	60	80	80

Note: The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. **BDL:** Below Detection Limit; **NA:** Not Analysed; **ND:** Not Detected; **NS:** No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100021

AMBIENT AIR QUALITY DATA

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Transportation Route : Circle Gate	
Duration of Sampling : 24 Hrs		Particulars of Sample Collected : Ambient Air	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM ₁₀ µg m ³	PM _{2.5} µg m ³	NO ₂ µg m ³	SO ₂ µg m ³
Sample no.	MGFA77806	PTO19906	--	--
	MGFA77814	PTO19914		
	MGFA77850	PTO19950		
	MGFA77858	PTO63957		
	MGFA77894	PTO63993		
	MGFA776101	PTO54100		
	MGFA776138	PTO54137		
	MGFA7761446	PTO54145		
Date of Sampling	(Chronologically date wise)	(Chronologically date wise)		
03.10.2024	60.2	38.4	--	--
04.10.2024	63.7	42.1	--	--
14.10.2024	58.3	43.5	--	--
15.10.2024	59.2	41.8	--	--
21.10.2024	62.7	43.9	--	--
22.10.2024	63.8	41.1	--	--
26.10.2024	64.1	42.2	--	--
28.10.2024	62.0	43.9	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	IS:5182 (Part 24) – Gravimetric method	--	--
NAAQ Standards	100	60	--	--

Note: The result & inference pertains to the sample tested only and parameters

as per the requisition of the client. **BDL:** Below Detection Limit; **NA:** Not Analysed; **ND:** Not Detected; **NS:** No Sample

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100023

ANALYSIS REPORT OF WATER QUALITY

Name of the Project		: Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State		Location Name : GWQ – 1: Megalahalli Village Borewell.	
Sample Number	: 10240209	Particulars of Sample Collected : Ground Water	
Date of Sampling	: 10.10.2024	Date of Sample Receipt : 11.10.2024	
Analysis Started On	: 11.10.2024	Analysis Completed On : 18.10.2024	
Report Date: 10.11.2024			

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	--	6.23	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	689.7	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	472.6	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	132.6	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	48.3	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	18.7	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	122.4	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.5	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	98.7	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	15.6	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	0.4	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml Sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; NA: Not Analyzed; ND: Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

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TEST REPORT

No. 2024100024

ANALYSIS REPORT OF WATER QUALITY

Name of the Project	: Vedanta Limited Iron Ore Mine (ML: 2677)
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State	Location Name : GWQ – 2: BBH Railway Siding R
Sample Number : 10240210	Particulars of Sample Collected : Ground Water
Date of Sampling : 10.10.2024	Date of Sample Receipt : 11.10.2024
Analysis Started On : 11.10.2024	Analysis Completed On : 18.10.2024
Report Date: 10.11.2024	

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	-	7.59	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	713.5	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	476.8	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	142.9	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	48.2	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	20.4	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	128.4	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.6	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	106.1	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	21.7	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	0.6	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml *	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

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TEST REPORT

No. 2024100025

ANALYSIS REPORT OF WATER QUALITY

Name of the Project : Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.	Location Name : GWQ – 3: Medikeripura Village Borewell
Sample Number : 10240211	Particulars of Sample Collected : Ground Water
Date of Sampling : 10.10.2024	Date of Sample Receipt : 11.10.2024
Analysis Started On : 11.10.2024	Analysis Completed On : 18.10.2024
Report Date: 10.11.2024	

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25 ⁰ C	IS:3025 (Part 11)	--	7.38	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25 ⁰ C	IS:3025 (Part 14)	µS/cm	672.9	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	446.8	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	116.8	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	34.2	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	14.3	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	110.3	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.6	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	88.4	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	12.7	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.1	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

** End of Report **

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TEST REPORT

No. 2024100026

ANALYSIS REPORT OF WATER QUALITY

Name of the Project : Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.	Location Name : GWQ – 4: Bore Well Alaghatta Village
Sample Number : 10240212	Particulars of Sample Collected : Ground Water
Date of Sampling : 10.10.2024	Date of Sample Receipt : 11.10.2024
Analysis Started On : 11.10.2024	Analysis Completed On : 18.10.2024
Report Date: 10.11.2024	

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	--	7.19	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	701.9	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	466.2	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	126.2	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	62.1	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	21.7	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	114.6	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.5	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	98.7	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	22.9	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.6	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

*** End of Report ***

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TEST REPORT

No. 2024100027

ANALYSIS REPORT OF WATER QUALITY

Name of the Project		: Vedanta Limited Iron Ore Mine (ML: 2677)	
Address: M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.		Location Name : GWQ – 5: Bommanaghattaihalli Village Bore Well	
Sample Number	: 10240213	Particulars of Sample Collected : Ground Water	
Date of Sampling	: 10.10.2024	Date of Sample Receipt	: 11.10.2024
Analysis Started On	: 11.10.2024	Analysis Completed On	: 18.10.2024
Report Date: 10.11.2024			

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	--	7.31	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	682.3	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	452.8	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	116.8	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	42.1	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	15.2	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	102.4	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.4	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	90.4	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	21.1	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.0	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; NA: Not Analyzed; ND: Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

*** End of Report ***

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TEST REPORT

No. 2024100028

ANALYSIS REPORT OF WATER QUALITY

Name of the Project		:Vedanta Limited Iron Ore Mine (ML: 2677)	
Address: M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.		Location Name : GWQ -6 : Bore well Near office Canteen	
Sample Number	: 10240214	Particulars of Sample Collected : Ground Water	
Date of Sampling	: 10.10.2024	Date of Sample Receipt : 11.10.2024	
Analysis Started On	: 11.10.2024	Analysis Completed On : 18.10.2024	
Report Date: 10.11.2024			

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	--	7.23	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	648.4	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	432.8	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	118.4	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	38.5	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	16.2	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	102.1	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.3	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	96.4	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	21.0	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.4	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

** End of Report **

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TEST REPORT

No. 2024100029

ANALYSIS REPORT OF WATER QUALITY

Name of the Project		: Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.		Location Name : GWQ – 7: Near Mines Office Ground Water	
Sample Number : 10240215		Particulars of Sample Collected : Ground Water	
Date of Sampling : 10.10.2024		Date of Sample Receipt : 11.10.2024	
Analysis Started On : 11.10.2024		Analysis Completed On : 18.10.2024	
Report Date: 10.11.2024			

	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	--	6.87	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	627.6	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	418.6	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	112.9	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	42.1	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	15.3	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	95.6	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.6	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	82.3	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	18.2	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.1	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected.

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

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TEST REPORT

No. 2024100030

ANALYSIS REPORT OF WATER QUALITY

Name of the Project : Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State	Location Name :GWQ – 1: New Borewell 1
Sample Number : 10240216	Particulars of Sample Collected : Bore well Water
Date of Sampling : 10.10.2024	Date of Sample Receipt : 11.10.2024
Analysis Started On : 11.10.2024	Analysis Completed On : 18.10.2024
Report Date : 10.11.2024	

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25 ^o C	IS:3025 (Part 11)	--	6.28	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25 ^o C	IS:3025 (Part 14)	µS/cm	642.3	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	428.4	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	122.7	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	38.2	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	21.0	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	112.1	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.5	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	96.2	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	20.2	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.4	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; NA: Not Analyzed; ND: Not Detected

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

**** End of Report ****

Authorized Signatory

LABORATORY HEAD
(NEELAKANDAN)

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from 20.06.2024 to 19.06.2026

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TEST REPORT

No. 2024100031

ANALYSIS REPORT OF WATER QUALITY

Name of the Project		: Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State		Location Name : GWQ – 2: New Borewell 2	
Sample Number : 10240217		Particulars of Sample Collected : Bore well Water	
Date of Sampling : 10.10.2024		Date of Sample Receipt : 11.10.2024	
Analysis Started On : 11.10.2024		Analysis Completed On : 18.10.2024	
Report Date: 10.11.2024			

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	-	6.21	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	656.7	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	434.2	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	103.1	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	34.2	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	15.3	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	82.7	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.5	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	74.2	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	12.1	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.2	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

**** End of Report ****

Authorized Signatory

**LABORATORY HEAD
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TEST REPORT

No. 2024100032

ANALYSIS REPORT OF WATER QUALITY

Name of the Project		: Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.		Location Name : New Borewell 4	
Sample Number	: 10240219	Particulars of Sample Collected : Bore well Water	
Date of Sampling	: 10.10.2024	Date of Sample Receipt	: 11.10.2024
Analysis Started On	: 11.10.2024	Analysis Completed On	: 18.10.2024
Report Date: 10.11.2024			

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25 ^o C	IS:3025 (Part 11)	--	6.93	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25 ^o C	IS:3025 (Part 14)	µS/cm	672.3	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	452.4	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	126.2	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	46.8	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	21.0	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	92.4	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.5	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	82.3	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	18.2	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.2	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

LABORATORY HEAD
(NEELAKANDAN)

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TEST REPORT

No. 2024100033

ANALYSIS REPORT OF WATER QUALITY

Name of the Project : Vedanta Limited Iron Ore Mine (ML: 2677)	
Address : M/s. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka State.	Location Name : New Borewell 5
Sample Number : 10240220	Particulars of Sample Collected : Bore well Water
Date of Sampling : 10.10.2024	Date of Sample Receipt : 11.10.2024
Analysis Started On : 11.10.2024	Analysis Completed On : 18.10.2024
Report Date: 10.11.2024	

Sr. No.	Parameters	Protocol	Unit	Result	Standard IS 10500: 2012 (2 nd Revision) mdt.1	
					Acceptable Limit	Permissible limit in the absence of alternate source
A.	PHYSICAL PARAMETERS					
1.	Colour	IS:3025 (Part 4)	Hazen	--	5	15
2.	pH@ 25°C	IS:3025 (Part 11)	--	7.28	6.5 to 8.5	No Relaxation
3.	Turbidity	IS:3025 (Part 10)	NTU	BDL	1	5
B.	CHEMICAL PARAMETERS					
4.	Conductivity@ 25°C	IS:3025 (Part 14)	µS/cm	669.3	Not Specified	Not Specified
5.	Total Dissolved solids	IS:3025 (Part-16)	mg/l	446.8	500	2000
6.	Total Suspended Solids	IS 3025 (Part 17)	mg/l	--	Not Specified	Not Specified
7.	Total Hardness as CaCO ₃	IS: 3025 (Part 21)	mg/l	123.1	200	600
8.	Calcium as Ca	IS 3025 (Part 40)	mg/l	44.2	75	200
9.	Magnesium as Mg	IS 3025 (Part 46)	mg/l	16.9	30	100
10.	Total Alkalinity as CaCO ₃	IS:3025 (Part 23)	mg/l	106.8	200	600
11.	Fluorides as F	IS 3025 (Part 60)	mg/l	0.4	1	1.5
12.	Chlorides as Cl	IS:3025 (Part 32)	mg/l	92.4	250	1000
13.	Sulphate as SO ₄	IS 3025 (Part 24)	mg/l	22.6	200	400
14.	Nitrate as NO ₃	IS 3025 (Part 60)	mg/l	1.8	45	No Relaxation
15.	Iron as Fe	IS 3025 (Part 53)	mg/l	BDL	0.3	No Relaxation
C.	MICROBIOLOGICAL PARAMETERS					
16.	Coliform organism/100ml	IS:1622-1981	MPN	ND	Shall not be detected in any 100 ml sample.	
17.	E. Coli Bacteria/100ml	IS:1622-1981	MPN	ND		

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

BDL: Below Detection Limit; **NA:** Not Analyzed; **ND:** Not Detected

INFERENCE	As per IS Standards Report Status: All tested parameters are within acceptable limits
Sample Collected by	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru

**** End of Report ****

Authorized Signatory

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TEST REPORT

No. 2024090051

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)		
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Buffer Zone –Near Megalahalli Village		
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level		
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024		
Report Date: 10.10.2024			

Sampling point	Sample no	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Megalahalli Village	09240301	IS: 9989 - 1981	58.1	65.5	62.8	38.1	46.8	42.6

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090052

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone –Medikerapura Village	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Medikeripura Village	09240302	IS:9989 - 1981	52.8	62.1	56.9	46.8	50.4	47.3

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No.2024090053

AMBIENT NOISE MEASUREMENT

Name of the Project			: Vedanta Limited Iron Ore Mine (ML:2677)					
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.			Location Name : Buffer Zone – Tanigehalli Village					
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063			Particulars of Sample Collected : Ambient Noise Level					
Date of Measurement : 18.09.2024			Date of Sample Receipt : 19.09.2024					
Report Date: 10.10.2024								
Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Tanigehalli Village	09240303	IS:9989 - 981	43.7	68.8	62.5	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090054

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone – Konanuru Village	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Konanuru Village	09240304	IS:9989 - 1981	54.6	67.4	63.8	--	--	--

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090055

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone – Sasalu Village
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024		

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Sasalu Village	09240305	IS:9989 - 1981	52.3	60.4	56.9	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090056

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Buffer Zone – Sirigere Village	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Sirigere village	09240306	IS:9989 - 1981	55.6	64.2	59.2	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090057

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Fixed Plant – 1
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024		

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Fixed Plant – 1	09240307	IS:9989 - 1981	55.3	66.4	60.1	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: Values are found within the permissible limits applicable to industrial area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090058

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Bheemasamudra Village
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Bheemasamudra Village	09240308	IS:9989 - 1981	54.2	65.2	59.6	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090059

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Excavators
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Excavator – 1	09240309	IS:9989 - 1981	56.1	62.8	59.8	-	-	-
Excavator – 2	09240310		52.4	65.7	58.2	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090060

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Wheel Loaders
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Wheel Loader – 1	09240311	IS: 9989 - 1981	53.8	64.8	58.9	-	-	-
Wheel Loader – 2	09240312		59.1	66.2	62.4	-	-	-
Wheel Loader – 3	09240313		58.7	68.7	63.5	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090061

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Truck Volvo
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Truck Volvo – 1	09240314	IS: 9989 -1981	56.9	68.7	62.5	-	-	-
Truck Volvo – 2	09240315		55.2	66.9	61.2	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090062

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : MSP (North Block)
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
MSP (North Block)	09240316	IS:9989 - 1981	62.8	76.1	70.2	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090063

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : 5 – 6 WB Area
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
5 – 6 WB Area	09240317	IS:9989 - 1981	67.1	72.9	70.0	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to industrial area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

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Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090064

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Parking Area
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Parking Area	09240318	IS:9989 - 1981	58.1	66.5	62.4	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to industrial area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

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TEST REPORT

No. 2024090065

AMBIENT NOISE MEASUREMENT

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Ripper Dozer
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063	Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024	Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024	

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Ripple Dozer – 1	09240319	IS:9989 - 1981	72.8	78.4	75.3	-	-	-
Ripple Dozer – 2	09240320		69.7	77.3	74.2	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

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TEST REPORT

No. 2024090066

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Grader	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Grader	09240321	IS:9989 - 1981	65.2	71.9	68.5	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090067

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Sesa - 1	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Sesa - 1	09240322	IS:9989 - 1981	47.2	56.9	52.3	-	-	-

ACGIH Noise Threshold Limits										
Duration per Day (Hours)*	16	8	6	4	3	2	1.5	1	0.5	0.25
Sound Level dB(A)	82	85	86	88	89	91	92	94	97	100

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits applicable to ACGIH Noise Threshold Limits.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

H Suresh Babu

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Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090068

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Near Gate	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Near Gate-1	09240323	IS:9989 - 1981	53.8	69.2	62.5	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

H Suresh Babu

**Govt. Analyst
Mr. Suresh Babu H.S**

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TEST REPORT

No. 2024090069

AMBIENT NOISE MEASUREMENT

Name of the Project			: Vedanta Limited Iron Ore Mine (ML:2677)					
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.			Location Name : Near Gate - 2					
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063			Particulars of Sample Collected : Ambient Noise Level					
Date of Measurement : 18.09.2024			Date of Sample Receipt : 19.09.2024					
Report Date: 10.10.2024								
Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Near Gate-2	09240324	IS:9989 - 1981	52.8	71.7	62.9	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

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Mr. Suresh Babu H.S

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TEST REPORT

No. 2024090070

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)	
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : BBH Siding	
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level	
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024	
Report Date: 10.10.2024			

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
BBH Siding	09240325	IS:9989 - 1981	52.8	70.1	62.3	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.S

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vide S.O. 3744 (E) dated 17.10.2019,

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TEST REPORT

No. 2024090071

AMBIENT NOISE MEASUREMENT

Name of the Project		: Vedanta Limited Iron Ore Mine (ML:2677)
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : TUP Pump
Instrument Details : Digital sound level meter Lutron SL 4033 SD &SI. No: Q650063		Particulars of Sample Collected : Ambient Noise Level
Date of Measurement : 18.09.2024		Date of Sample Receipt : 19.09.2024
Report Date: 10.10.2024		

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
TUP Pump	09240326	IS: 9989 - 1981	68.4	76.9	71.9	-	-	-

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: Values are found within the permissible limits applicable to residential area.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

H Suresh Babu

Govt. Analyst
Mr. Suresh Babu H.

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TEST REPORT

No. 2024100051

RESPIRABLE PARTICULATE MATTER (DOSE) NOISE REPORTS

Name of the Project			: Vedanta Limited Iron Ore Mine (ML2677)		
Address: Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.			Location Name : --		
Sample Code : 10240619			Particulars of Sample Collected : Personal (Dose) Noise Sample		
Date of Measurement : 30.10.2024			Sample Received Date : 04.11.2024		
Analysis Started on : --			Analysis Completed on : --		
Report Date: 10.11.2024					
Sr. No.	Date	Operators	Leq dB(A)	Dose (%)	TWA - dB(A)
1	30.10.2024	Mr. Kanresh GH - CGC	23.6	1.9	23.6
2	30.10.2024	Mr. Papaya S - CGC	41.2	3.6	41.2
3	30.10.2024	Mr. Dinakar – Peregrint Security	35.3	4.5	35.3
4	30.10.2024	Mr. Ramachandrappa - Peregrint Security	24.9	1.2	24.9
5	30.10.2024	Mr. Ramesh - Peregrint Security	42.1	2.8	42.1
6	30.10.2024	Mr. Mohan – BSV Earth Movers	39.4	2.4	39.4
7	30.10.2024	Mr. Suresh Yadav - BSV Earth Movers	32.5	2.9	32.5
8	30.10.2024	Mr. Ajay Kumar - BSV Earth Movers	16.9	3.5	16.9
9	30.10.2024	Mr. Pavan Kumar - BSV Earth Movers	22.8	7.5	22.8
10	30.10.2024	Mr. Manoj N Yadav - Samrat	18.6	2.9	18.6
11	30.10.2024	Mr. Nagaraj - Samrat	24.8	3.6	24.8
12	30.10.2024	Mr. Murali Panduranga Khot - Svenska	29.3	3.7	29.3
13	30.10.2024	Mr. Shashi Kumar G - Svenska	26.1	4.8	26.1
14	30.10.2024	Mr. B.R Lavesha - Logistics	27.2	5.9	27.2
15	30.10.2024	Mr.S Rajappa - Logistics	25.5	2.3	25.5
16	30.10.2024	Mr. S Jagadish - Logistics	26.8	3.3	26.8
17	30.10.2024	Mr. KN Annappa - Operations	18.9	3.9	18.9



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18	30.10.2024	Mr. BT Chandru - Operation	29.6	4.5	29.6
19	30.10.2024	Mr. SC Devandrappa - Operation	27.4	4.1	27.4
20	30.10.2024	Mr. Sameer Laxman Gaonk - Maintenance	36.9	5.2	36.9
21	30.10.2024	Mr. Rasheed Haroon – Maintenance	33.5	5.9	33.5
22	30.10.2024	Ragavendra D Badiger - Maintenance	30.2	5.2	30.2

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Values are found within the limits of projected measurements.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

****End of Report****

Authorized Signatory

**LABORATORY HEAD
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TEST REPORT

No. 2024100052

AMBIENT AIR QUALITY DATA – FUGITIVE EMISSION

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Plant - 1
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Fugitative Emission
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM $\mu\text{g m}^3$	RSPM $\mu\text{g m}^3$	NO ₂ $\mu\text{g m}^3$	SO ₂ $\mu\text{g m}^3$	Ammonia $\mu\text{g m}^3$
Sample no. Date of Sampling	MGF799119 MGF799125 MGF799178 MGF799183 MGF780023 MGF780028 MGF780055 MGF780061 (chronologically date wise)	--	--	--	--
07.10.2024	202.3	--	--	--	--
08.10.2024	196.5	--	--	--	--
17.10.2024	215.6	--	--	--	--
18.10.2024	217.5	--	--	--	--
24.10.2024	221.0	--	--	--	--
25.10.2024	206.1	--	--	--	--
29.10.2024	207.3	--	--	--	--
30.10.2024	211.5	--	--	--	--
Protocol Method	IS:5182 (Part23) Gravimetric method	--	--	--	--
NAAQ Standards	1200	--	--	--	--

INFERENCE	As per CPCB SPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

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TEST REPORT

No. 2024100053

AMBIENT AIR QUALITY DATA – FUGITIVE EMISSION

Name of the Project	: Vedanta Limited Iron Ore Mine (ML2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Loading Point
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Fugitive Emission
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM µg m ³	RSPM µg m ³	NO ₂ µg m ³	SO ₂ µg m ³	Ammonia µg m ³
Sample no. MGF799120 MGF799126 MGF780071 MGF799184 MGF780024 MGF780029 MGF780056 MGF780062 (chronologically date wise)	--	--	--	--	--
Date of Sampling					
07.10.2024	202.6	--	--	--	--
08.10.2024	204.5	--	--	--	--
17.10.2024	212.5	--	--	--	--
18.10.2024	223.8	--	--	--	--
24.10.2024	214.5	--	--	--	--
25.10.2024	218.6	--	--	--	--
29.10.2024	222.4	--	--	--	--
30.10.2024	213.2	--	--	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	--	--	--	--
NAAQ Standards	1200	--	--	--	--

INFERENCE	As per CPCB SPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100054

AMBIENT AIR QUALITY DATA – FUGITIVE EMISSION

Name of the Project		: Vedanta Limited Iron Ore Mine (ML2677)	
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.		Location Name : Core Zone – Un Loading Point	
Duration of Sampling : 8 Hrs		Particulars of Sample Collected : Fugitive Emission	
Month of Sampling : October - 2024		Date of Sample Receipt : --	
Report Date: 10.11.2024			

Parameter	PM µg m ³	RSPM µg m ³	NO ₂ µg m ³	SO ₂ µg m ³	Ammonia µg m ³
Sample no.	MGF799121 MGF799127 MGF799179 MGF799185 MGF780072 MGF780030 MGF780057 MGF780063 (chronologically date wise)	--	--	--	--
Date of Sampling					
07.10.2024	196.2	--	--	--	--
08.10.2024	236.2	--	--	--	--
17.10.2024	211.4	--	--	--	--
18.10.2024	202.8	--	--	--	--
24.10.2024	213.8	--	--	--	--
25.10.2024	222.8	--	--	--	--
29.10.2024	219.7	--	--	--	--
30.10.2024	189.4	--	--	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	--	--	--	--
NAAQ Standards	1200	--	--	--	--
INFERENCE	As per CPCB SPCB Standards Report Status: All values are within the prescribed standards.				
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru				

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TEST REPORT

No. 2024100055

AMBIENT AIR QUALITY DATA – FUGITIVE EMISSION

Name of the Project	: Vedanta Limited Iron Ore Mine (ML2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Haulage Road
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Fugitative Emission
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM µg m ³	RSPM µg m ³	NO ₂ µg m ³	SO ₂ µg m ³	Ammonia µg m ³
Sample no. Date of Sampling	MGF799122 MGF799128 MGF799180 MGF799186 MGF780025 MGF780031 MGF780058 MGF780064 (chronologically date wise)	--	--	--	--
07.10.2024	195.3	--	--	--	--
08.10.2024	201.5	--	--	--	--
17.10.2024	223.6	--	--	--	--
18.10.2024	198.5	--	--	--	--
24.10.2024	213.5	--	--	--	--
25.10.2024	215.4	--	--	--	--
29.10.2024	216.7	--	--	--	--
30.10.2024	197.6	--	--	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	--	--	--	--
NAAQ Standards	1200	--	--	--	--

INFERENCE	As per CPCB SPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

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TEST REPORT

No. 2024100056

AMBIENT AIR QUALITY DATA – FUGITIVE EMISSION

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Ore Stack Area
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Fugitative Emission
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM $\mu\text{g m}^3$	RSPM $\mu\text{g m}^3$	NO ₂ $\mu\text{g m}^3$	SO ₂ $\mu\text{g m}^3$	Ammonia $\mu\text{g m}^3$
Sample no.	MGF799123 MGF799129 MGF799181 MGF799187 MGF780026 MGF780032 MGF780059 MGF780065 (chronologically date wise)	--	--	--	--
Date of Sampling					
07.10.2024	205.4	--	--	--	--
08.10.2024	216.5	--	--	--	--
17.10.2024	218.1	--	--	--	--
18.10.2024	197.4	--	--	--	--
24.10.2024	193.8	--	--	--	--
25.10.2024	218.4	--	--	--	--
29.10.2024	216.4	--	--	--	--
30.10.2024	210.4	--	--	--	--
Protocol Method	IS:5182 (Part 23) – Gravimetric method	--	--	--	--
NAAQ Standards	1200	--	--	--	--

INFERENCE	As per CPCB SPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

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TEST REPORT

No. 2024100057

AMBIENT AIR QUALITY DATA – FUGITIVE EMISSION

Name of the Project	: Vedanta Limited Iron Ore Mine (ML:2677)
Address : Ms. Vedanta Limited, Megalahalli Office Complex, Bheemasamudra, Chitradurga, Karnataka.	Location Name : Core Zone – Railway Siding
Duration of Sampling : 8 Hrs	Particulars of Sample Collected : Fugitative Emission
Month of Sampling : October - 2024	Date of Sample Receipt : --
Report Date: 10.11.2024	

Parameter	PM µg m ³	RSPM µg m ³	NO ₂ µg m ³	SO ₂ µg m ³	Ammonia µg m ³
Sample no. Date of Sampling	MGF799124 MGF799130 MGF799182 MGF799188 MGF780027 MGF780033 MGF780060 MGF780066 (chronologically date wise)	--	--	--	--
07.10.2024	196.5	--	--	--	--
08.10.2024	198.2	--	--	--	--
17.10.2024	202.6	--	--	--	--
18.10.2024	213.4	--	--	--	--
24.10.2024	221.0	--	--	--	--
25.10.2024	210.4	--	--	--	--
29.10.2024	214.2	--	--	--	--
30.10.2024	215.0	--	--	--	--
Protocol Method	--	--	--	--	--
NAAQ Standards	--	--	--	--	--

INFERENCE	As per CPCB SPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	Ms. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

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ಇಲಾಖೆಯು ಆಯೋಜಿಸಿದೆ. ಪ್ರಬಂಧಗಳನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳು ಆಯಾ ಸಲ್ಲಿಸಬೇಕು. ಜಿಲ್ಲಾ ಮಟ್ಟದಲ್ಲಿ ವಿಜೇತರಾದವರಿಗೆ ಪ್ರತಿ ವಿಭಾಗದಲ್ಲಿ ಪ್ರತ್ಯೇಕವಾಗಿ ಹಾಗೂ 1 ಸಾವಿರ ಹಾಗೂ ರಾಜ್ಯ ಮಟ್ಟದಲ್ಲಿ ವಿಜೇತರಾದವರಿಗೆ ಪ್ರತಿ ವಿಭಾಗ ಸಾವಿರ 21 ಸಾವಿರ ಹಾಗೂ 11 ಸಾವಿರ ನಗದು ಬಹುಮಾನ ನೀಡಲಾಗುವುದು. ಕೆಳಗಿನಂತಿವೆ. ಪ್ರೌಢ ಶಾಲಾ ವಿಭಾಗ :-1) ನನ್ನಗೇಕೆ ಗಾಂಧೀಜಿ ಇಷ್ಟವಾಗುತ್ತೆ ಅಳವಡಿಸಿಕೊಳ್ಳುವ ಬಗೆ. 3) ಗಾಂಧೀಜಿಯವರ ತತ್ವಗಳಿಂದ ದೇಶ ಕಟ್ಟುವ ಬಗೆ. ಒಂದು ವಿಷಯ ಕುರಿತು ಸುಮಾರು 900 ಪದಗಳಿಗೆ ಮೀರದಂತೆ ಪ್ರಬಂಧ

ರಚಿಸಬೇಕು

ಸಾರ್ವಜನಿಕ ಸೂಚನೆ

ವೇದಾಂತ ಲಿಮಿಟೆಡ್‌ನ ಕರ್ನಾಟಕ ಜಿಲ್ಲಾ ಚಿತ್ರದುರ್ಗ ತಾಲೂಕಿನ, ಮೇಗಳಹಳ್ಳಿ ಗ್ರಾಮದಲ್ಲಿರುವ "ಆ ನರೈನ್ ಐರನ್ ಅದಿರು ಗಣಿ" (ML ನಂ. 2677 160.59 ಹೆಕ್ಟೇರ್ ಭೂಮಿಯಲ್ಲಿ ಕಡತ ಸಂಖ್ಯೆ SEIAA 131 MIN 2023 ದಿನಾಂಕದ ಅಡಿಯಲ್ಲಿ EIA ಅಧಿಸೂಚನೆಯ 7 ii a ಅಡಿಯಲ್ಲಿ ಪರಿಸರ ಅನುಮತಿಯು 20% (7.2 MTPA) ವಿಸ್ತರಣೆಯನ್ನು ನೀಡಲಾಗಿದೆ ಎಂದು ತಿಳಿಸಲು ಇದು ಸೂಚನೆ. ಹೇಳಲಾದ ಪರಿಸರ ತೆರವು ಪ್ರತಿಯನ್ನು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಲ್ಲಿ ಲಭ್ಯವಿದೆ ಮತ್ತು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪರಿಸರ ಪ್ರಭಾವ ಮೌಲ್ಯಮಾಪನ ಪ್ರಾಧಿಕಾರದ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ನೋಡಬಹುದು:
<https://parivesh.nic.in/>.

ಪದವಿ ಪೂರ್ವ ಶಿಕ್ಷಣ ನಿವಾರಿಸುವಲ್ಲಿನ ಗಾಂಧೀಜಿಯ ಜಗತ್ತು ಗ್ರಹಿಸಿದ ರೀತಿ. 3) ನನ್ನ ಬಗೆ. ಈ ಮೂರು ವಿಷಯಗಳ ಸುಮಾರು 1500 ಪದಗಳಿಗೆ ಮೀರದಂತೆ ಪ್ರಬಂಧಗಳನ್ನು ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿಗಳು ರಚಿಸಬೇಕು.

ಪದವಿ ಹಾಗೂ ಸ್ನಾತಕೋತ್ತರ ಗಾಂಧೀಜಿಯವರ ಜಾತ್ಯಾತೀತ ಸಹಿಷ್ಣುತೆ ಚಿಂತನೆ. ಸ್ವಾತಂತ್ರ್ಯ ಬದುಕಿನಲ್ಲಿ ಗಾಂಧೀಜಿ ತತ್ವಗಳನ್ನು ಕಂಡ ಸ್ವರಾಜ್ಯ ಮತ್ತು ಆರ್ಥಿಕ ಯಾವುದಾದರೂ ಒಂದು ವಿಷಯ ಮೀರದಂತೆ ಪ್ರಬಂಧಗಳನ್ನು ಪದವಿ ವಿದ್ಯಾರ್ಥಿಗಳು ರಚಿಸಬೇಕು. ಮೂರು ಮತ್ತು ಸಾರ್ವಜನಿಕ ಸಂವರ್ಕ ಇ



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PUBLIC NOTICE

This is to inform that our "A Narrain Iron Ore Mine" (ML. No. 2677) at Megalahalli Village, Chitradurga Taluk, Chitradurga District, Karnataka of Vedanta Ltd, has been accorded with expansion of EC for 7.2 MTPA under file No. SEIAA 131 MIN 2023 dated 24.08.2023. Copy of the said Environmental Clearance is available with the Karnataka State Pollution control board and on the website of the Ministry of Environment Forest and Climate Change at Website: <https://parivesh.nic.in/>.

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(ಅರಣ್ಯ ಪಡೆಮುಖ್ಯಸ್ಥರು) ರವರ ಕಛೇರಿ

Office of the
Principal Chief Conservator of Forests
(Head of Forest Force)

ಅರಣ್ಯಭವನ, 18ನೇ ಅಡ್ಡರಸ್ತೆ

ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು - 560 003

AranyaBhavan, 18th Cross
Malleshwaram, Bengaluru-560 003

Telephone : 080 2334 6472

Email : apecffc@gmail.com

Old File No. A5(1).MNG.CR.6/2018-19

E-office File No. KFD/HOFF/A5-1(MNG)/28/2018-FC

Encl....

E-63998

Date 24-07-2023

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To,

The Additional Chief Secretary to Government
Department of Forest, Ecology and Environment
M. S. Building, Bengaluru

Sir,

Sub: Diversion of 9.5474 hectare of forest land in Hirekandavadi Village Sy No. 107 and Thanigehalli village Sy No. 35, Beedurga Hobli, Holalakere Taluk and Dinadadahalli village Sy No. 18, Hireguntanuru Hobli, Chitradurga Taluk, Chitradurga District for establishment of Approach Road, Loading Area and Conveyor Pipeline for Iron Ore Mine ML No. 2677 in favour of M/s Vedanta Limited, Chitradurga

Proposal No. FP/KA/MIN/51389/2020 [FORM-A]

- Ref:**
1. Online (FORM A PART-I) proposal dated 05-08-2021 (resubmitted) by M/s Vedanta Limited r/w uploading of Acknowledgement on 07-09-2021 for having delivered the hard copies of proposal to jurisdictional Deputy Conservator of Forests and Deputy Commissioner
 2. This office online communication dated 13-09-2021 to Deputy Conservator of Forests, Chitradurga Division for further processing of proposal r/w letter dated 07-01-2023[EDS query]
 3. Online submission of PART-II on 13-09-2021 by Deputy Conservator of Forests, Chitradurga Division [Letter No. A6/FC/Vedanta/CB/CR-03/2021-22 dated 27-05-2022] r/w letter dated 05-06-2023 [EDS reply]
 4. Online submission of PART-III on 15-12-2022 by Chief Conservator of Forests, Ballari Circle [Letter No.M1/MNG/Conveyor-Belt/CR-4/2018-19(Vedanta) dated 15-12-2022] r/w letter dated 30-06-2023 [EDS reply]

1. M/s Vedanta Limited, Chitradurga [User Agency] has (re)submitted an online proposal (FORM-A PART-I) on 21/01/2020 through FC web portal for seeking approval for diversion of 9.5474 hectare of forest land in Hirekandavadi Village

Sy No. 107 and Thanigehalli village Sy No. 35, Beedurga Hobli, Holalakere Taluk and Dinadadahalli village Sy No. 18, Hireguntanuru Hobli, Chitradurga Taluk, Chitradurga District for establishment of Approach Road, Loading Area and Conveyor Pipeline for Iron Ore Mine ML No. 2677 under Section 2 of the Forest (Conservation) Act, 1980. After uploading of Acknowledgement on 07-09-2021 by User Agency on FC web portal for having delivered the hard copies of the proposal to jurisdictional Deputy Conservator of Forests and Deputy Commissioner, an online communication was made by the Nodal Officer (FCA) vide Ref (2) to the Deputy Conservator of Forests, Chitradurga Division to process the said proposal further and to submit specific opinion / recommendation.

2. **Location details and component-wise breakup of forest land:** The location and component-wise breakup of forest land required for the project are as under.

District, Taluk, Hobli	Village	Sy No.	Forest extent proposed for diversion (ha)	Status of forest land
Chitradurga, Holalakere, Beedurga	Hirekandavadi	107	3.791	* Nirthadi Reserve Forest
	Thanigehalli	35	4.642	
Chitradurga, Chitradurga, Hireguntanuru	Dindadahalli	18	1.114	
Total			9.547	

* Government Notification No. G-7807-FT-158-38-2 dated 11-02-1939

Component-wise breakup of the forest land required for the project is given below.

Village	Sy No.	Components	Length (m)	Width (m)	Forest extent proposed for diversion (ha)
Hirekandavadi	107	Conveyor Pipeline	1829	20	3.658
		Approach Road	89	15	0.133
Thanigehalli	35	Conveyor Pipeline	945	20	1.891
		Loading Area	550	50	2.751
Dindadahalli	18	Conveyor Pipeline	557	20	1.114
Total					9.547

3. **DCF, Chitradurga Division Report:** The Deputy Conservator of Forests, Chitradurga Division has inspected the site on 26-05-2022 and vide Ref (3) has submitted his report along with Site Inspection Report in PART-II to the Chief Conservator of Forests, Ballari Circle, Ballari. Main features of the proposal based on the reports of the Deputy Conservator of Forests, Chitradurga Division and Chief Conservator of Forests, Ballari Circle and also that of ICT Centre of the Forest Department are given below.

- a. The forest land proposed for diversion is adjoining to the mining area and there is a possibility of the open dumps sliding into the forest. The User Agency is

required to take up soil erosion control measures all along the proposed project adjoining area

- b. The forest land proposed for diversion is in general landscape of Eco-class-III (Tropical Dry Deciduous Forests) with Open Forest (canopy density <0.4)
 - c. As per Item 4(ii) of PART-II, there are 7860 trees in various Girth classes in the proposed forest land for diversion. Main species include *Santalum album*, *Anogeissus latifolia*, *Lannea coromandelica*, *Casurina equisetifolia*, *Acacia catechu*, *Terminalia catappa*, *Eucalyptus spp*, *Terminalia bellirica*, *Legestroemia speciose*, *Pterocarpus marsupium*, *Diospyros montana*, *Tectona grandis*, *Accaica suma*, *Dalbergia latifolia*, *Dalbergia paniculata*, *Cassia siamea*, *Leucaena leucocephala*, *Ixora parviflora*, *Terminalia tomentosa*, *Albizia lebbeck*, *Prosopis juliflora*, *Grewia abutilifolia*, *Madhuca longifolia*, *Azadirachta indica*, *Cassia fistula*, *Gmelin arborea*, *Gardenia gummifera*, *Bambusa bambos*, *Anona squamosa*, *Grevia robusta*, *Terminalia arjuna*, *Garuga pinnata*, *Anacardium occidentale*, *Phyllanthus emblica*, *Ficus racemose*, *Artocarpus heterophyllus*, *Acacia nilotica*, *Albizia odoratissima*, *Tamarindus indica*, *Thespesia populnea*, *Hardwickia binata*, *Albizia lebbeck*, *Aegle marmelos* and *Simarouba glauca* etc., among others.
 - d. Major wild animals present in and around the project area include the Leopard, Sloth bear, Hare, Wild Boar, Indian porcupine, Monitor lizard, Peafowl and Birds among others.
 - e. There are no other rare / endangered / unique species of flora and fauna reported in the forest land proposed for diversion.
 - f. The forest area proposed for diversion does not form part of any National Park/ Wildlife Sanctuary/ Biosphere Reserve/ Tiger Reserve/ Elephant Corridor/ Wildlife Migration Corridor, etc.
 - g. The forest land proposed for diversion is not located within Eco-Sensitive Zone (ESZ) of any Protected Area notified under Wildlife (Protection) Act, 1972.
 - h. There are no National Park/ Wildlife Sanctuary/ Biosphere Reserve/ Tiger Reserve/ Elephant Corridor/ Wildlife Migration Corridor, etc., located within one kilometre from boundary of the forest land proposed for diversion
 - i. There are no Protected/ Archaeological/ Heritage Sites or Defence Establishments or important monuments in the area.
 - j. There is no violation reported under Forest (Conservation) Act, 1980.
 - k. The requirement of forest land for the project is bare minimum and unavoidable.
4. **CCF Ballari Circle Report:** The Chief Conservator of Forests, Ballari Circle has not inspected the site personally. However, agreeing with the recommendation made by the DCF, Chitradurga Division, the Chief Conservator of Forests, Ballari Circle has also recommended the proposal. Specific comments of the Chief Conservator of Forests, Ballari Circle are mentioned in Item 15 & 16 of PART-II/III of the proposal cited at Ref (4) above.
5. **Net Present Value (NPV):** The User Agency is required to pay the Net Present Value (NPV) of forest land proposed for diversion as per Para 3.1 to 3.4 of the FC Guidelines communicated by Government of India, Ministry of Environment, Forests and Climate Change, New Delhi vide F.No. 5-2/2017-FC dated 28-03-

2019, the User Agency will be required to pay the applicable charges as per the order issued vide the Government of India, Ministry of Environment, Forests and Climate Change (Forest Conservation Division), New Delhi letter F.No. 5-3/2011-FC(Vol-I) dated 06-01-2022 (*guidelines regarding revised rates of NPV*), dated 19-01-2022 (*regarding proposals applicable for revised rate of NPV*) and dated 22-03-2022 (*regarding proposals applicable for revised rate of NPV*). The User Agency has uploaded/submitted an Undertaking agreeing to pay the Net Present Value (NPV) of the forest land proposed for diversion.

6. **Compensatory Afforestation (CA):** The User Agency is required to provide an equivalent extent of suitable (private) non-forest land for CA purpose in accordance with FC guidelines r/w Government of Karnataka Order No. FEE 88 FLL 2016 dated 31-08-2016 and also to pay the CA charges as per prevailing rates. Accordingly, the User Agency has identified an extent of 9.972 Ha non-forest (Private) land in Sy No. 960, 961, 962, 963, 967, 968, 969 and 970 of Maddur Village, Agara Hobli, Yelandur Taluk, Chamarajanagara District for CA purpose. The User Agency has uploaded the MoU/sale deed between the User Agency and land owners for purchasing of land to reserves for CA purpose. The process of mutation and formal transfer of the said land is underway. The Deputy Conservator of Forests and Director BRT Tiger Reserve, Chamarajanagara Division has inspected the said land on 24-03-2021 and has issued CA Land Suitability Certificate dated 24-03-2021. As the said land cannot support the required number (1000) of CA plants per hectare, the Deputy Conservator of Forests, Chitradurga Division has identified an extent of 19.094 hectare of degraded forest land in Kamarakaval Forest, Nerlahalli Village Sy No. 84, Molakalmuru Hobli, Molakalmuru Taluk, Chitradurga District to plant the remaining number of plants. The CA related documents (*Ca suitability, CA Scheme, kml file in CA, Topo Map, Geo-referenced Map with GPS reading of all corners*) are enclosed herewith. They have also been uploaded online in PART-I/II of the proposal. The User Agency has also submitted an Undertaking to pay the Compensatory Afforestation charges.

7. **Status of RoFR compliance:** With regard to compliance of the provisions of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forests Rights) Act 2006 and Rules 2008, the User Agency has not furnished the requisite Certificate in FORM-I (for Linear projects) issued by the jurisdictional Deputy Commissioner as per Annexure II of the FC Guidelines communicated by Government of India, Ministry of Environment, Forests and Climate Change, New Delhi vide F.No. 5-2/2017-FC dated 28-03-2019. Accordingly, the User Agency is being informed again to obtain the said certificate in prescribed format and submit a copy.

8. Further, it is to submit that the Hon'ble Supreme Court in judgment dated 21-03-2017 (copy enclosed) passed in IA No. 247 & other IAs in Writ Petition Civil No. 562/2009 have approved construction of conveyor belt system, railway sidings and railway sub-lines as the most significant step towards controlling the environmental pollution that has persisted on account of open movement of iron ore by road.

In light of the facts stated above, it is requested to move the proposal with the Government of India for according 'in-principle' (Stage-I) approval for diversion of 9.5474 hectare of forest land in Hirekandavadi Village Sy No. 107 and Thanigehalli village Sy No. 35, Beedurga Hobli, Holalakere Taluk and Dinadadahalli village Sy No. 18, Hireguntanuru Hobli, Chitradurga Taluk, Chitradurga District for establishment of Approach Road, Loading Area and Conveyor Pipeline for Iron Ore Mine ML No. 2677 in favour of M/s Vedanta Limited, Chitradurga for a period Co-terminus with the mining lease granted under MMDR Act, 1957 (as Amended) subject to production of FRA certificate and also subject to the conditions specified in Annexure 'A'.

The hard copy of the proposal along with the relevant documents in 3 sets is submitted herewith for further needful. The present status of the proposal obtained from the web-portal is also appended for necessary action.

Yours faithfully


(RAJIV RANJAN IFS)
Principal Chief Conservator of Forests
(Head of Forest Force)

Copy to the:

1. Chief Conservator of Forests, Ballari Circle, Ballari for information.
2. Deputy Conservator of Forests, Chitradurga Division, Chitradurga for information.
3. M/s Vedanta Limited, Sesa Goa Iron Ore, Megalahalli Office Complex, Megalahalli village, Bheemasamudra, Chitradurga – 577 520 for information and with a request to obtain and submit the FRA Certificate in FORM-I (for Linear Projects) as mentioned above at the earliest.

ANNEXURE 'A'

1. The legal status of forest land shall remain unchanged and it shall continue to be as forest land.
2. The lessee shall pay lease rent as fixed by the Government from time to time.
3. The lease tenure shall be Co-terminus with the mining lease granted under MMDR Act, 1957 (as Amended).
4. The leased out area should be used for the purpose for which it is granted. In case the land is not used for the stipulated purpose within one year or when it is no longer needed for the stipulated purpose, the area shall be resumed back. The Chief Conservator of Forests / Deputy Conservator of Forests concerned is authorized to take necessary action in this regard.
5. In case any violations are committed by the user agency under the forest laws, the forest lease shall be liable for forfeiture under Section 82 of Karnataka Forest Act 1963.
6. No constructions other than formation of approach road shall be permitted in the proposed forest area.
7. The User Agency has to pay the Net Present Value (NPV) for forest land diverted.
8. The User Agency has to pay charges towards SMC works in the forest area of the proposed approach road to a width of 100 Mtrs on both sides along with avenue plantation of local species, to be taken up by the Karnataka Forest Department.
9. The User Agency shall ensure that there is no damage to the available fauna and other flora in and around the leased area. Any violation will be liable for action under relevant forest and any other laws.
10. No labour camp shall be established in the forest area.
11. All waste / debris generated shall be scientifically disposed off.
12. All precautions shall be taken to ensure fire- protection of the forest while executing the works.
13. Any damage to forest area due to such works shall be compensated by the User Agency. The extent of damage shall be assessed by the concerned Deputy Conservator of Forests.
14. The lessee shall not sub-lease, mortgage or hypothecate the forest area.
15. The approval under the Forest (Conservation) Act, 1980 is subject to the clearance under the Environment (Protection) Act, 1986, if required.
16. The User Agency shall also abide by all the conditions imposed by Government of India, Government of Karnataka and the Principal Chief Conservator of Forests, (Head of Forest Force).



Principal Chief Conservator of Forests
(Head of Forest Force)

PART - IV

(To be filled in by the Nodal Officer or Principal Chief Conservator of Forests or Head of Forest Department)

Detailed opinion & specific recommendation of the State Forest Department for acceptance or otherwise of the proposal with remarks. (While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon).	Recommended for diversion of 9.5474 hectare of forest land in Hirekandavadi Village Sy No. 107 and Thanigehalli village Sy No. 35, Beedurga Hobli, Holalakere Taluk and Dinadadahalli village Sy No. 18, Hireguntanuru Hobli, Chitradurga Taluk, Chitradurga District for establishment of Approach Road, Loading Area and Conveyor Pipeline for Iron Ore Mine ML No. 2677 in favour of M/s Vedanta Limited, Chitradurga for a period Co-terminus with the mining lease granted under MMDR Act, 1957 (as Amended) subject to production of FRA certificate and also subject to the conditions specified in Annexure 'A'. Proposal No. FP/KA/MIN/51389/2020 [FORM-A]
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Signature:
Name:
Designation:



VIJAY SHARMA IFS
Principal Chief Conservator of Forests
(Forest Conservation) and
Nodal Officer (FCA)

(Official Seal):

Counter signed by:
Name:
Designation:



RAJIV RANJAN IFS
Principal Chief Conservator of Forests
(Head of Forest Force)

(Official Seal):

N.D.O. No: 16/2023-24

Date: 25-07-2023

Half Yearly Compliance Report to condition of Environment Clearance issued by			
Ministry of Environment, Forest and Climate Change, Government of India for Vedanta Limited Iron Ore Mine, (Mining Lease: 2677)			
Letter No. SEIAA 131 MIN 2023 Dated 24/08/2023			
Production : 7.2 MTPA, as per Environment Clearance, however production limit for 2024-25 is 5.89 MTPA			
Period: April 2024 to September 2024 (1 st Half)			
S No.	Clearance Condition	Compliance Status	Remarks
A.	Specific Conditions		
1	Validity of this Environment Clearance is co-terminous with the lease period or 16 years from the date of issue of Environment Clearance letter whichever is earlier.	Complied	
2	Mine plan approved by the Indian Bureau of Mines, Bangalore shall be strictly implemented and shall not be operated beyond the validity period of the approved mining plan.	Mining operations will be carried out as per IBM approved mining plan.	
3	Baseline data on health profile of each of the workers shall be maintained.	All workers undergo Initial Medical Examination before joining the organization, the baseline data of all the workers is maintained. Periodic Medical Examination is also conducted as per the DGMS regulations.	Attached Medical Summary Report as Annexure-1
4	PAs should get the health check-up done for the mine workers on regular basis and submit report periodically.	Periodic Medical Examination is conducted as per the DGMS regulations.	Attached Medical Summary Report as Annexure-1
5	The SEIAA, Karnataka reserves the right to withdraw the environmental clearance subject to any change in the mining policy by the State Government as may be applicable to this project.	Noted and will be complied with.	

6	Mining shall be undertaken strictly in accordance with provisions of MM (D&R) Act 1957.	Complied and will be ensured	
7	All the conditions stipulated in the Consent for establishment issued (If applicable) by the Karnataka State Pollution Control Board should be effectively implemented	Complied and will be adhered to	

8	The mining operations shall not intersect ground water table. Prior approval of the SEIAA / Ministry of Environment & Forests and Central Ground Water Authority shall be obtained for mining below water table	The mining operations has not intersected the groundwater. In case of ground water intersection prior approval will be obtained.	
9	The topsoil, if any should be stacked at earmarked site only and should not be kept unutilized for a period more than 3 years. The topsoil should be used for reclamation and plantation.	No top soil is available within the mine lease as the entire area is broken up for mining and allied activities.	
10	Waste rock shall be stacked at earmarked site (s) only. The maximum height of the stack should not exceed 30m from the topography duly providing suitable terraces. The overall slope of the dump shall not exceed 28°. A retention wall shall be built around the waste rock dump to prevent sliding.	Over burden (OB) is stacked at earmarked dump site as per IBM approved in Mining plan, by adopting step dumping method on designated non mineralized areas within the lease and overall slope of the dump is not more than 28°. Finalized portions of the dumps are covered with geotextiles and afforested immediately. Retention wall and trench is constructed at the toe of dump.	
11	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working area and rock dumps. The water so collected should be utilized for watering the haulage area, roads, green belt	Garland drains are constructed all along the toe of the dump to properly channelize the runoff water from the dump. 7 settling ponds of adequate size is constructed to arrest the silt. Water collected will be used in watering the green belt & haulage area roads. All the check dams, settling ponds and garland drains are desilted in the summer.	In FY 2024-25, ~8000m ³ of desilting activity was conducted.

	development etc., the drains should be regularly de-silted particularly after monsoon and maintained properly.		
12	Dimension of the retaining wall at the toe of dumps within the mine to check run off and siltation should be based on the rainfall data	Retaining walls & garland drains are constructed based on the design specified in the ICFRE approved R&R plan.	
13	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board within 3 months and report be submitted to the Authority.	The Senior geologist of KGWB, Chitradurga has suggested to conduct detailed hydrogeology study based on which conservation measures to be decided. The study conducted in May' 24 and the report submitted to Senior Geologist KGWB	
14	Appropriate mitigation measures should be taken to prevent pollution of nearby water bodies in consultation with the State Pollution Control Board.	Finalized dumps are covered with geotextiles and afforested thus prevent dump erosion, Rock wall followed by trench is constructed all along the dump. Series of settling ponds are provided to prevent any flow of silt out side the mine. Several check dams are constructed to further prevent any flow of silt in the nearby water bodies. Regular monitoring of water is done during monsoon.	

15	The project proponent shall submit commitment from the competent authority for drawl of requisite quantity of water for the project before starting work on the project.	NOC for 350KLD withdrawal has been issued by KGWB (Karnataka Ground Water Board)	Attached as Annexure-2
16	Suitable rainwater harvesting measures on long-term shall be planned and implemented in consultation with Regional Director, Central Ground Water Board for complete rain water harvesting by constructing check dams/converting quarried pits to rain water harvesting ponds.	The Senior Geologist of KGWB, Chitradurga has suggested to conduct detailed hydrogeology study based on which conservation measures decided. The study conducted in May'24 and the report also submitted to Senior Geologist of KGWB.	
17	Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of blocks.	Vehicles used for transporting ore are having the vehicle emission certificates. Regular maintenance of mining machinery and HEMM is carried out.	
18	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to SEIAA Karnataka, Department of Environment and Ecology. Govt. of Karnataka and the APCCF, Regional Office, MoEF, Bangalore.	Digital processing of entire mine lease using drone is conducted every year and report is submitted to IBM.	
19	This environmental clearance does not confer any right to the proponent on the land proposed for mining until and unless mine lease and all other statutory clearance are obtained from the respective department/agencies.	Noted	

20	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed mine.	Will be compiled and report shall be submitted.	
21	Consent to operate if applicable shall be obtained from State Pollution Control Board prior to start of production from the mine	We have applied for CFE from KSPCB	
22	Proper sanitary facilities should be installed for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the labourers.	Proper sanitary facilities are provided in work place. There is no colony/residential facility near the mine lease area. Domestic waste generated is disposed scientifically. First aid station with dedicated paramedics and doctor is available within the mine lease area for health care facilities of laborers.	
23	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. The proponent shall contribute towards the cost of implementation of the plan and / or Regional Wildlife Management Plan for conservation of wild life. The amount so contributed shall be included in the project cost. A copy of the action plan may be submitted to the SEIAA, Department of Environment and Ecology, Govt. of Karnataka, and the Regional Office, MoEF, Bangalore within 3 months.	The detail plan was prepared and approved by Chief wild life warden. The approved plan has been implemented and completed.	

24	The project proponent shall delineate Mine Closure Plan/ exit protocol to rehabilitate the quarried out land to match its surrounding land use including removal, storage and reuse of waste rock from mine area to cover reclaimed area. Post Mine Land Use Plan with rehabilitation of quarried out area (with Plan and Section) provided and submit to SEIAA.	Will be complied	
25	Plantation monitoring programme during post project period for ensuring survival and growth rate of plantation in reclaimed area.	Will be complied	
26	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the SEIAA of Karnataka, Department of Environment and Ecology, Govt. of Karnataka and the Regional Office, MoEF, Bangalore 5 years in advance of final mine closure for approval,	Will be complied	
27	Retention walls should be a minimum of 2.5 mtr height with base of 3 mtr.	Retaining walls & garland drains are constructed based on the design specified by ICFRE in the ICFRE approved R&R plan.	
28	Check dams and gully plugs along the smaller streamlets in the area, should be constructed to arrest the loose soil flow from the mine area	During the monsoon period, run-off from the waste dumps and other areas are controlled by a series of Check dams and Settling ponds which helps in preventing runoff washout to reach in the natural streams. As per the	Attached as Annexure-3

		approved R&R plan, as much as 29 Check dams, 15 gully plugs and 7 settling ponds are constructed all along the lease boundary	
29	Particulars of dimensioned block production and dispatch shall be provided by the mine owner yearly	Will be complied	
30	The infrastructure of transport roads should be improved collectively by the mine owners of the area	Will be complied	
31	Village road from mine site to main road shall be maintained and black topped by the project proponent	Black topping of other village roads is also being undertaken on regular basis under the CSR scheme as per the instruction of district administration and requirements for the benefits of villagers. Roads are also regularly cleaned by manual sweeping to remove ore spillage from the transport trucks. A total of 32 workers are engaged for carrying out cleaning activity on daily basis at the junction and speed breakers. Moreover, the company has taken up initiative of planting native species along the roadside.	
32	The mine lease area to be properly demarcated using the last-long coordinates and duly erecting 4 feet concrete/granite pillars on the ground.	Complied	
33	No mining shall be undertaken outside the lease area	No mining is being carried outside the lease area	
34	The project Authorities shall maintain a margin of 7.5 meters along the lease boundary except in case where common boundary working permission is obtained from the competent authority	The 7.5m area along the lease boundary is maintained and only green belt development is taken up in the said area	
35	The project authority shall avoid stagnation of water in the mine pits which would turn out to be mosquito breeding centres resulting in spreading of diseases such as malaria, dengue, etc.	There is no stagnation of water in the mine pits	

36	The project proponent shall prevent damage to adjoining land, from fire due to activities during mining operation.	Training to all the employees on use of fire extinguishers has been provided. All the heavy earth moving machinery is provided with automatic fire extinguishers. Approach roads are provided in all the plantation areas in order to reach in case of emergency/ fire. Company has in-house water tankers which can be used to suppress fire.	
37	Haulage approach road should not be through village till the main road is reached.	Haulage road is within the mine lease area and not through village	
38	The project authorities shall get the health check-up of mine workers as well as people in the nearest vicinity of the mine for respiratory diseases such as silicosis and maintain records. Appropriate care shall be taken for remedy in case of prevalence of such health disorders.	All the mine workers have been screened for Silicosis. No cases reported. The people of nearby vicinity will also be screened for the same.	
39	Clearance NOC from the competent authority shall be obtained for transportation of water by tankers in order to avoid hardship to the competitive users	NOC for 350KLD withdrawal has been issued by KGWB (Karnataka Ground Water Board)	Attached as Annexure-2
40	This Environmental Clearance is granted subject to obtaining prior clearance from Forestry and Wildlife angle including clearance from the Standing Committee of the National Board for Wildlife if applicable. Further this Environmental Clearance does not necessarily implies that Forestry and Wildlife Clearance shall be granted to the project and that the proposal for Forestry and Wildlife Clearance shall be considered by the respective Authorities on their merits and decision taken. The investment made in the project if any based on	The detail plan was prepared and approved by Chief wild life warden. The approved plan has been implemented and completed.	

	Environmental Clearance so granted in anticipation from the forestry and wild life angle shall be entirely at the cost and risk of the project proponent and the SEIAA-Karnataka shall not be responsible in this regard in any manner.		
41	Solid waste/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016	Hazardous waste is handled, stored and disposed as per the Hazardous & Other Waste Management Rules, 2016	
42	Ambient air quality monitoring stations as prescribed in the statute be established for monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO _x and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board wherever applicable	The ambient air quality monitoring is carried out in Core Zone as well as buffer zone. There are 6 monitoring stations in Core Zone and 4 monitoring stations in Buffer zone which is monitored twice in a week for every month. The results of ambient air quality are maintained and same are regularly submitted to regional Office of ministry and Karnataka State Pollution Control Board.	Ambient Air Quality Reports attached as Annexure-4
43	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the Mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data	The company regularly monitors the ground water level and quality of nearby 8 tube wells. The mining activity is being carried out at top of the hill. The pit top & bottom is 930 mts and 798.8 mts from M.S.L. which is way above the ground water level and therefore there is no influence on these bore wells due to mining activity. The company uses ground water only for Dust suppression and domestic usage. The monitoring reports are regularly submitted to MoEF, Central ground water Authority and Regional Director, Central Ground water Board	Ground water reports Attached as Annexure-5

	thus collected shall be sent regularly to MoEF&CC/RO.		
44	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change./Regional Office	There are no water bodies adjacent to mine lease area. Some small ponds are available which has water mostly during monsoon, the quality of which is monitored on regular basis	
45	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	The strata is soft so drilling and blasting is not required	
46	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Control measures like providing acoustic enclosures to DG sets are done. Staff working in the noise area is provided with ear plugs & ear muffs. All the mining machineries have air-conditioned cabins which provides noise and dust free environment to the operator. Regular monitoring of ambient and personal noise is done	Noise monitoring and Personal noise reports attached as Annexure 6
47	The company / project proponent shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company / Project proponent shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or	Vedanta has separate Environment policy and it is approved by our Board of Directors. The purpose is to achieve excellence in environment management. Also we are having Energy and Carbon policy, Water Management policy and Biodiversity policy. The expenditure copy will be submitted in next Six month EC report	

	shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report		
48	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report	Will be complied. Annual Expenditure will be submitted in the next Six month EC Compliance report	
49	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out	Will be complied. The report will be submitted in next six month EC report.	
50	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Will be complied	
51	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company	Environment Statement Form-V has been submitted to KSPCB	

52	The project authorities shall inform to the Regional Office of the MoEF&CC regarding commencement of Mining operations.	Complied	
53	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/ SELAA, Karnataka.	Noted and will be complied	
54	The project proponent shall comply with provision contained in OM vide F.No. 22- 6512017-IA.III dated 20th October 2020, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall execute action plan of Rain Water Harvesting, Solar Panels & Water Heaters, Plantation, Medical health checkup camps in the Government School & Public Areas of Megalahalli and Tanigehalli & Conducting Swatch Bharath Abiyan drive campaigns in nearby villages as submitted vide letter dated 10.08.2023	Noted and will be complied	
B. General Conditions			
1	No change in mining technology and scope of working shall be made without prior approval of the MoEF	If any changes were made in mining technology and scope of the working, it will be informed to the MOEF.	

2	No change in the calendar plan including excavation, quantum of mineral and waste shall be made	Will be complied	
3	It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the MoEF, Govt. of India New Delhi.	Will be ensured	
4	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO _x , NO _x should be regularly submitted to the SEIAA Karnataka and the Regional Office, MoEF, Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	Compiled	
5	Fugitive dust emission from all the sources should be controlled regularly. Water spray arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Fugitive dust emissions from all the sources are controlled regularly by water spraying, covering the waste dumps with Coir mat. Water spraying on haul roads, loading and unloading points and at transfer points are carried out regularly for proper maintenance.	Fugitive emissions report attached as Annexure 7
6	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with earplugs / muffs.	Control measures like providing acoustic enclosures to DG sets are done. Staff working in the noise area is provided with ear plugs & ear muffs. All the mining machineries have air conditioned cabins which provides noise and dust free environment to the operator.	
7	Wastewater from the mine should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of effluents.	There is no waste water discharge from the Mine. During monsoon the runoff water is collected in the settling pond. Only the overflow water is allowed into the natural stream. The natural stream water is collected in the village tank for public usage which is monitored and regularly submitted to regional office of ministry and Karnataka Pollution Control Board	

8	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Regular trainings are provided in safety and health aspects. Dust mask, Ear plugs and safety goggles are provided for the persons working in dusty areas.	
9	Occupational health surveillance program of the workers should be undertaken periodically i.e. once in 3 months to observe any contractions due to exposure to dust and take corrective measures, if needed. Quarterly report in this regard should be submitted to the Department of Environment and Ecology, Govt. of Karnataka and the Karnataka State Pollution Control Board and the Regional Office, MoEF, Bangalore.	Company has got an in house Occupational health unit with a fulltime doctor and nurses. All the hazards related to our activities are identified and addressed. Various health related training programs are conducted for the workers. Company has also adopted a formal HIV- AIDS policy. Periodic health checkups are also been conducted for all the employees working in the company.	
10	A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a senior Executive, who will report directly to the head of the organization	Separate Environmental Management cell has been established with qualified people who are reporting directly to head of the organization. Below are the contact details of the responsible persons- (1) Mr. Shrishaila Gouda (Head- IOK) Shrishaila.gouda@vedanta.co.in +91-9923289203 (M) (2) Ms. Sanjana Anchan (Head Env-IOK) Sanjana.anchan@vedanta.co.in +91-8867776612 (M)	Chief Executive Officer (CEO) ↓ Sanjana Anchan (Head Env-Karnataka) ↓ Sakthi Venkatesh (Officer Environment)
11	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA	Year wise expenditure records are maintained separately for Environmental Protection Measures and the same is submitted regularly to regional office and Karnataka State Pollution Control Board. Expenditure for the year 2024-25 will be submitted in the next six-monthly compliance report.	

	Karnataka, the Department of Environment and Ecology, Golt. of Karnataka and Ecology, Government of Karnataka, and the Regional Office, MoEF, Bangalore		
12	The project authorities shall inform to the regional office of the ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land and development work	Complied	
13	The APCCF, Regional Office of MoEF, Bengaluru; the Department of Environment and Ecology, Govt. of Karnataka and the Karnataka State Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the Officer (S) of these offices by furnishing the requisite data / information / monitoring reports.	Will be complied and ensured	
14	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the SEIAA Karnataka, Department of Environment and Ecology, Government of Karnataka and the APCCF, Regional Office, MoEF, Bengaluru; the Central Pollution Control Board and the Karnataka State Pollution Control Board.	Complied	
15	The Half Yearly Compliance Reports (HYCRs) with its contents of a covering letter, compliance reports,	Complied	

	and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of project, EC No. & date, period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID rosz.bng-mefcc@gov.in . Hard copy of HYCRs shall not be acceptable		
16	A copy of the clearance letter will be marked to the concerned Panchayat. Local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied	
17	The project proponent should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.	Complied	
18	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at http://environmentclearance.nic.in website of the MoEF&CC and http://seiaa.karnataka.gov.in website of SEIAA, Karnataka. A copy of the	Complied	Attached as Annexure-8

	same should be forwarded to the Department of Environment and Ecology, Government of Karnataka and the Regional Office, MoEF&CC, Bangalore.		
19	The Karnataka State Pollution Control Board should display a copy of the clearance letter at the Regional office. District Industry Centre and Collector's office/ Tehsildar's office for 30 days.	Complied	
20	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.	Noted	
21	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted	
22	The SEIAA or any other competent authority may alter / modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted	
23	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and all conditions will be complied with	

24	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under	Noted	
25	In case of any material supported by documents/ court orders which is contrary, to the claim of the applicant and material facts produced, the SEIAA reserves the right to withdraw the EC at any point of time.	Noted	
Additional Conditions			
1	Dust suppression measures have to be strictly followed	Fugitive dust generation is controlled by spraying the water on the main hauling road. The company has deployed 30 water tankers for suppressing the dust on Haul roads and its transport route. Green belt has developed all along the lease boundary and tall growing saplings have planted all along the roadside which acts as wind barrier. The ambient air quality monitoring is carried out twice a week in core zone as well as in buffer zone and results are regularly submitted to State Pollution Control Board.	
2	The PP shall strengthen the approach road to the quarry and the road leading to the crusher as per standard norms.	Not Applicable	
3	The PP shall comply with the observations made in the Certified Compliance report of MoEF&CC	Complied	

4	The PP shall Adhere to the compliance given to issues raised in the public hearing.	No public hearing was conducted during the issue of this EC	
5	The PP shall comply with the recommendations in R&R plan.	Complied	
6	The PP shall provide PHC facilities in near by villages.	We have a dedicated Mobile Health Unit(MHU) which provides medical facility to the surrounding villages. Regular Health camps also conducted.	
7	The PP shall establish conveyor belt system from mine head to railway siding.	Application for Forest Clearance for installation of conveyor belt from mine head to siding has filed and we are in the stage of obtaining Stage-1 Clearance	Attached recommending letter from PCCF to ACS as annexure 9
8	The PP shall look into the possibilities for installing mineral beneficiation plant in project site.	Application for Environment Clearance of Wet beneficiation plant outside the mine lease has been made.	



AUTHORIZED SIGNATURE

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