

Deputy Director General of Forests (C), Ministry of Environment, Forest, and Climate Change, Integrated Regional Office, 2nd Floor, Headquarter- Jharkhand State Housing Board, Harmu Chowk, Ranchi, Jharkhand – 834002, Ranchi - 834002

Email: ro.ranchi-mef@gov.in

MD/ENV/ 187 / 112 / 2025

Date: 29.05.2025

**Ref:** Environmental clearance letter No. J-11015/507/2007-IA. II (M) Dated 22<sup>nd</sup> December- 2008.

Sub: Half-yearly compliance status report of Environmental Clearance conditions for the period October 2024 – March 2025 in respect of Vijaya II Iron Ore Mine, M/s Tata Steel Limited.

Dear Sir.

Kindly find attached herewith the half-yearly compliance status report in respect of the stipulated Environmental Clearance conditions of Vijaya II Iron Ore Mine, M/s Tata Steel Limited for the period from October 2024 – March 2025.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental Management practices.

Thanking you,

Yours faithfully,

f: M/s Tata Steel Limited

Area Manager Environment, OMQ

Encl. : As above

Copy to : The Chairman, Central Pollution Control Board, Southern end Conclave, Block 502,

5<sup>th</sup> & 6<sup>th</sup> Floors, 1582 Rajdanga Main Road, Kolkata - 700107 (W. B.)

: The Member Secretary, Jharkhand State Pollution Control Board, T A Division

(Ground Floor), Dhurwa, Ranchi – 834004.

: The Regional Officer, JSPCB, MB/12 New Housing Colony, Adityapur, Jamshedpur

TATA STEEL LIMITED

5/31/25, 4:18 PM Home Page

Your (Half Yearly Compliance Report) has been Submitted with following details		
Proposal No	IA/JH/MIN/224453/2021	
Compliance ID	128562125	
Compliance Number(For Tracking)	EC/M/COMPLIANCE/128562125/2025	
Reporting Year	2025	
Reporting Period	01 Jun(01 Oct - 31 Mar)	
Submission Date	31-05-2025	
RO/SRO Name	Shri Senthil Kumar Sampath	
RO/SRO Email	agmu156@ifs.nic.in	
State	JHARKHAND	
RO/SRO Office Address	Integrated Regional Offices, Ranchi	

**Note:-** SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, JHARKHAND with Notification to Project Proponent.

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,	Environmental	Clearance	File	No.:	J-
Tehsil Noamundi, District West Singbhum, Jharkhand.	11015/507/2007-IA.II (M).				
	Compliance Period: October 24 to March 25			h 25	

Sl. No.	Specific Conditions	Compliance Status
i	The project proponent shall obtain Consent to Establish from the Jharkhand State Pollution Control Board and effectively implement all the conditions stipulated therein.	Consent to Establish has been Obtained from Jharkhand State Pollution Control Board, Ranchi, vide letter no – 3676 dated 11 <sup>th</sup> December 2007 and all conditions stipulated therein have been effectively implemented.
ii.	Necessary Forestry clearance under the Forest (Conservation) Act, 1980 for an area of 155.078 ha forest land shall be obtained before starting mining operation in that area. Till such time mining activities shall be restricted to an area of 29.4648 ha for which forestry clearance has been obtained from the ministry on 12.07.2005. Environmental clearance is subject to grant of forestry clearance.	We have obtained forest clearance under the Forest (Conservation) Act, 1980 for an area of 117.0059 Ha, 29.4648 Ha, vide letter nos. F.No.8-88/2007 FC (pt) dated 9 <sup>th</sup> November 2012 and 12(21)51/2004 FCE dated 12 <sup>th</sup> July 2005 respectively. An area of 8.6073Ha.is being maintained as safety zone.
iii.	Environmental clearance is subject to the final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation vs Union of India in writ petition (Civil) No. 460 of 2004, as may be applicable to this project.	Not applicable. There are no National Parks or Wildlife Sanctuaries within the buffer zone of the lease area.
iv.	Environmental clearance is subject to obtaining clearance under the wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.	Not applicable. There are no National Parks or Wildlife Sanctuaries within the buffer zone of the lease area.
V.	The mining operations shall be restricted to above ground water table, and it should not intersect ground water table. In case of working below ground table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydrogeological study shall be carried out.	Currently the lowest elevation at which mining operation is being carried out is at 670mRL, which is far above the ground water table reported as 470m AMSL. Ultimate pit limit of mining has been planned as 568 AMSL as per approved Mining plan. Mining operations will not intersect the ground water table.
vi.	The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. The first order streams and the seasonal Nalliah's originating from the mining lease areas shall be protected.	There are no natural water courses and first order streams or seasonal nallahs originating from the mining lease. However, to manage surface runoff, following protection measures has been taken:  1. 180 meter retaining wall developed during this period.  2. 431 meter Garland drain developed.  3. Settling cum percolation pond de-silted during this period.

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,	Environmental	Clearance	File	No.:	J-
Tehsil Noamundi, District West Singbhum, Jharkhand.	11015/507/2007-IA.II (M).				
	Compliance Period: October 24 to March 25				

		Photographs attached as <b>Annexure- 1.</b>
vii.	The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	During the reporting period no topsoil was generated. However, previously generated topsoil is being stored at ear marked location as per approved mining plan and has been utilized
viii.	The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site only and it should not be kept active for a long period and their phasewise stabilization shall be carried out. There shall be one external dump in an area of 5.91ha. The maximum height of the dumps shall not exceed 50m having 5 terraces of 10m	for plantation within mining lease area.  Total over burden generated has been stacked at ear marked dump area as per approved mining plan. Backfilling is being done with terracing of 10 m height each. To prevent erosion and stabilization the slope of the backfilled area has been covered with Coir mat and grass seed sowed on it.
	each and the overall slope of the dump shall be maintained to 28°. The proponent shall ensure slope stability based on study carried out in this regard. The OB dump should be scientifically Vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.	Total 1828 number of saplings have been planted in backfilled area, 1633 number of saplings in safety zone area, 2250 number of saplings have been planted in barren Zone, 125 number of saplings have been planted outside of lease area during FY'25. Draught hardy grass has also been planted on the dump to prevent erosion and surface run off.  Six monthly Compliance reports are submitted to MOEF Ranchi regularly.  Photographs of retaining wall & Garland Drain are enclosed as Annexure- 1, Coir-mat photographs attached as Annexure-2, Plantation
ix.	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dump(s) to prevent runoff of water and flow of sediments directly into the Karo River, the Koina River, Seasonal nallahs and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted particularly after the monsoon and maintained properly.  Garland drains, settling tanks and check dams of appropriate size, gradient and length shall	photographs attached as <b>Annexure- 3.</b> Catch drains and siltation ponds of appropriate size have been constructed around the mine working, mineral and OB dump(s) to manage runoff of water and flow of sediments directly into the Karo River, the Koina River, Seasonal nallahs and other water bodies.  Following protection measures have taken to manage run off water:  1. Check dam has been developed out of lease area at foot hill near Baraiburu Village.

l elisii iv	oamunui, District West Singbrium, Markhanu.	Compliance Period: October 24 to March 25		
	be constructed both around the mine pit and over burden dump to prevent run off of water and flow of sediments directly into the Karo River, the Koina River, seasonal nallahs and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.	<ol> <li>Two Settling pits have been developed, one at the toe of OB dump and the other below the mineral stack.</li> <li>Settling ponds and check dam are regularly di-silted before monsoon season.</li> <li>One settling pond and one Settling cum percolation pond have been developed near main gate.</li> </ol> Photographs of Settling ponds attached as Annexure- 4.		
X.	Dimension of the retaining wall at the toe of the over burden dump and the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.	At the toe of OB dump and material stock area retaining walls have been constructed along with garland drain to check run-off and siltation has been as per rainfall data. Retaining wall and Garland drain photographs attached as Annexure-1.		
xi.	Plantation shall be raised in an area of 27.8048 ha including a 7.5m wide green belt in the safety zone around the mining lease, over burden dump, backfilled and reclaimed area, mine benches, around crushing and screening plant, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.	During this year Total 5711 saplings have bee plated in lease area including 1633 saplings i safety zone and 125 saplings have been plante outside lease area.  Native plant species such as Karange, Shisham		
xii.	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	8 number of water tankers of 8KL which are equipped with sprinkling system are engaged for water spraying on Mine haul road and the transportation road. It is being carried out a regular intervals to suppress dust. We have installed dry fog system at crushing and screening plant.  The Ambient Air Quality monitoring is carried out by NABL accredited lab, M/S Anacon laboratorie Pvt. Ltd.  A CAAQMS station has been installed at Mine which is directly connected to JSPCB server. Six		

Clearance

File

No.:

J-

**Environmental** 

11015/507/2007-IA.II (M).

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,

Tehsil Noamundi, District West Singbhum, Jharkhand.

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,	Environmental	Clearance	File	No.:	J-
Tehsil Noamundi, District West Singbhum, Jharkhand.	11015/507/2007-IA.II (M).				
	Compliance Period: October 24 to March 25				

		monthly AAQ monitoring report is enclosed as
		Annexure-5.
xiii.	Regular monitoring of the flow rate of the	Flow rate of the springs and perennial nallahs
	springs and perennial nallahs flowing in and	flowing around the mine lease is being regularly
	around the mine lease shall be carried out and	monitored and records are being maintained,
	records maintained.	attached as <b>Annexure-6.</b>
xiv.	The project authority should implement	Settling cum percolation pond and garland drain
	suitable conservation measures to augment	have been developed.
	ground water resources in the area in	Rainwater is channelized, to drain into the mine
	consultation with the Regional Director,	sump at the bottom part of the mine from where
	Central Ground Water Board.	it recharges ground water resource.
XV.	Regular monitoring of ground water level and	Monitoring of groundwater level and quality is
	quality shall be carried out in and around the	being carried out from network of existing wells
	mine lease by establishing a network of	around project area.
	existing wells and constructing new	A Piezometer has been installed at Hati Chawk
	piezometers during the mining operation. The	which is located outside the lease area.
	monitoring shall be carried out four times in a	Ground water level and Ground water quality
	year, pre-monsoon (April-May), monsoon	monitoring report reports are enclosed as
	(August), post-monsoon (November) and	Annexure- 7 and 8 respectively.
	winter (January) and the data thus collected	
	may be sent regularly to the Ministry of	
	Environment and Forests and its Regional	
	Office, Bhubaneswar, the Central Ground	
	Water Authority and the Regional Director,	
	Central Ground Water Board. If at any stage, it	
	is observed that the ground water table is	
	getting depleted due to the mining activity;	
	necessary corrective measures shall be carried	
	out.	
xvi.	The project proponent shall obtain necessary	We have obtained permission 0.055 MCM
	prior permission of the competent authorities	surface water drawl per annum from Water
	for drawl of requisite quantity of water	Resources Department, Ranchi, Jharkhand vide
	(surface water and ground water) for the	letter no. 2/PMC/Water supply -87/2007/477
	project.	dated 02.04.2008.
		No ground water drawl is envisaged for the Mine.
		As mentioned earlier the Mining will not intersect
		the ground water table till life of the mine.
xvii.	Suitable rainwater harvesting measures on	Settling pond and garland drain have been
	long term basis shall be planned and	developed.
	implemented in consultation with the	Rainwater is channelized to drain into the mine
	Regional Director, Central Ground Water	sump at the bottom part of the mine from where
	Board.	it recharges ground water resource.

Tehsil Noamundi, District West Singbhum, Jharkhand.		11015/507/2007-IA.II (M). Compliance Period: October 24 to March 25		
taken to prevent pollution of the Karo River, the Koina River in consultation with the State		<ul> <li>Mining is being done in western limb of the lease hold area from where Karo river is 4.5km &amp; Koina River 5.7km. However following measures have been taken to prevent surface run off:         <ul> <li>Adequate length retaining wall below the OB dump and mineral stack has been constructed as mentioned above in compliance to condition no. x.</li> <li>All Garland drains in the lease area have been desilted before onset of monsoon season.</li> <li>OB dump/back filled area covered with Coir mat.</li> </ul> </li> </ul>		
		A Catchment Area Treatment Plan has been approved by Principal Chief Conservator of Forests (HOFF), Jharkhand, Ranchi. As per this approved Plan we have already deposited 196.377 Lakhs in CAMPA account for Bio-Conservation, Eco- Restoration, and Infrastructure. 95 m Gabion wall with chain link have been and 180m retaining wall developed in different location as per plan.		
xix.	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operation and in transportation of mineral from mine face to the beneficiation plant. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	Surface water quality report enclosed as annexure-09.  Vehicles, only with valid PUC certificates are allowed in mines and records are maintained.  All trucks carrying iron ore has been properly covered with tarpaulin and not overloaded.		
XX.	No blasting shall be carried out after sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting is done only in daytime. Presently, NONEL Technology is being used for blasting to control ground vibration & minimize the fly rocks.		

Environmental

Clearance

File

No.:

J-

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,

	Iron Ore Mine, M/s Tata Steel Limited, Barajamda, loamundi, District West Singbhum, Jharkhand.	Environmental Clearance File No.: 11015/507/2007-IA.II (M). Compliance Period: October 24 to March 25			
xxi.	Drill shall either be operated with dust extractors or equipped with water injection system.	Wet drilling is practiced, and Drill Machine is equipped with water injection system.			
xxii.	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Dry fog system has been installed in crushers and operated at all transfer points and discharge points of conveyors in the C&S plant, also mist canon is placed at crushing and screening plant and regular water sprinkling done with mobile sprinkler. Photographs attached as <b>Annexure-10</b> .			
xxiii.	Consent to operate shall be obtained from the State Pollution Control Board prior to start of enhanced production from the mines.	We have obtained consent to operate for 2.5 MTPA vide letter no. – JSPCB/HO/RNC/CTO-19937038/2024/1989 dated 25/12/2024 and its validity is up to 17/08/2025. CTO of Vijay II Iron Ore Mine enclosed as Annexure-11.			
xxiv.	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during mining operation	Not applicable as there is not any colony in the mine. People working at Vijay II Iron ore mine are residing at Noamundi Township where STP has been provided.			
xxv.	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	82 Pre-placement medical examination and 232 periodical medical examination of the workers are done as per the standards of Mines Rules 1955 and latest prescriptions by DGMS, and records maintained.			
xxvi	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely elephant, leopard,	Effective Protective Measures undertaken at Vijay-II Iron Ore Mine A Site-specific wildlife and Biodiversity conservation plan was approved by PCCF with 10 years financial			

wolf etc. spotted in the study area. Action plan

for conservation of flora and fauna prepared

shall be implemented in consolation with the

State Forest and Wildlife Department. All the

safeguard measures bought out in the Wildlife

Conservation Plan so prepared specific to this

project site shall be effectively implemented.

implementation of the conservation plan shall

be made and the funds so allocated shall be

included in the project cost. A copy of action

plan shall be submitted to the Ministry of

of

allocation

Necessary

funds

for

forecast for implementation.

We have already paid 598.55Lakhs to forest department (CAMPA) for different activities of approved Site-Specific Wildlife Conservation and biodiversity Plan which is to be executed by Forest Department. We also paid 24.41 lakhs as per demand note of forest department during October 24 to March 24 and required equipment to comply the activities of the approved SSWLCP plan.

Different activities are being carried out in protection flora and fauna -

- 1) Mining pit has been fenced.
- 2) Scientific blasting, using Nonel technology has been adopted to reduce

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda, Tehsil Noamundi, District West Singbhum, Jharkhand.	Environmental Clearance File No.: J- 11015/507/2007-IA.II (M). Compliance Period: October 24 to March 25
Environment and Forests and its Regional Office, Bhubaneswar.	the noise and vibration. The blasting operation is carried out during the daytime only.  3) Ore dispatches from mines are only in daylight hours with tarpaulin cover Truck.  4) Local labor and one Camper for QRT for Saranda Forest have been provided to the local forest department (Gua Range Office) to control forest fire in Ghatkuri Reserve Forest.  5) Water pits have been developed in compartment 26 and 29 for fresh water for wild animals.  6) Three Watch towers have been constructed in Ghatkuri reserve forest.  7) A Modern check Naka which is operated with Solar power developed at Hati Chawk of Saranda reserve forest.  8) A wildlife rescue Van (TATA 407 Gold) which was customized for Cage, Dart Gun, other equipment handed over to forest department.  We have also paid Rs. 33.79 lakh as a contribution amount for study of comprehensive wildlife management plan.  A Fire Management Plan also has been approved by DFO Saranda for protection of Flora and fauna in Saranda Reserve Forest and according to this plan we have provided:  1. Camper with Local labour.  2. 14 Fire blowers for fire extinguishing in forest.  3. Fire protection shoes, Jackets, Bush Cutter, 7 set Mobile phone for better communication.
xxvii. The entire mining lease area shall be fenced by erecting solar powered electric fencing all around it. The fencing so erected shall be	As per Forest letter. –F.No125/2014- FC Government of India, MoEF & CC dated 4 <sup>th</sup> July 2014, the Mining pit is only fenced as entire lease

maintained properly and the cost towards hold area within reserve forest.

erection and maintenance of the solar

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,	Environmental	Clearance	File	No.:	J-
Tehsil Noamundi, District West Singbhum, Jharkhand.	11015/507/2007-IA.II (M).				
	Compliance Period: October 24 to March 25				

	powered electric fencing shall be borne by the	
	project proponent out of the project cost.	
xxviii.	No transportation of ore outside the mine	Complied.
	lease area shall be carried out after sunset.	Ore dispatches from mines is done only in
		daylight hours.
xxix.	Provision shall be made for the housing of	All the labour working in mine are come from
	construction labour within the site with all	nearby area, so there is no need for colony, and
	necessary infrastructure and facilities such as	mine is already active.
	fuel for cooking, mobile toilets, mobile STP,	
	safe drinking water, medical healthcare,	
	creche etc. The housing may be in the form of	
	temporary structures to be removed after the	
	completion of the project.	
XXX.	A Final Mine Closure Plan along with details of	Final Mine Closure Plan will be prepared and
	Corpus Fund shall be submitted to the	submitted for approval 2 years in advance as per
	Ministry of Environment & Forests 5 Years in	24(i) of MCDR Rules 2017.
	advance of final mine closure for approval.	
	General conditions	
i.	No change in mining technology and scope of	There is no change in mining technology and
	working should be made without prior	scope of work.
	approval of the Ministry of Environment &	
	Forests.	
ii.	No change in the calendar plan including	There is no change in the calendar plan including
	excavation, quantum of mineral iron ore and	excavation, Quantum of Iron ore, waste /OB.
	waste should be made.	
iii.	Four ambient air quality - monitoring stations	Four AAQ monitoring stations in the Core zone as
	should be established in the core zone as well	well as buffer zone for PM10, PM2.5, SO2 and
	as in buffer zone for RSPM, SPM, SO2 and NOx	NOx monitoring have been established.
	monitoring. Location of stations should be	A NABL accredited M/S Anacon environmental
	decided based on the meteorological data,	engineering lab has been engaged for AAQ
	topographical features and environmentally	monitoring in core zone as well as in buffer zone
	and ecologically sensitive targets and	of lease hold area.
	frequency of monitoring should be	A continuous Ambient Air Quality Monitoring
	undertaken in consultation with the State	system has been installed in lease hold area
	Pollution Control Board.	which has been directly connected to JSPCB
		server.
iv.	Data on ambient air quality (RSPM, SPM, SO <sub>2</sub>	We are regularly submitting data of ambient air
	&NOx) should be regularly submitted to the	quality (PM10, PM2.5, SO2 and NOx) to the
	Ministry including its regional office located at	Ministry including its regional office located at
	Bhubaneswar and the State Pollution Control	Ranchi and to JSPCB. Monitoring Report attached
	Board / Central Pollution Control Board once	as Annexure-5.
	in six months.	
	1	1

	ron Ore Mine, M/s Tata Steel Limited, Barajamda, oamundi, District West Singbhum, Jharkhand.	Environmental Clearance File No.: J- 11015/507/2007-IA.II (M). Compliance Period: October 24 to March 25				
V.	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Water is sprinkled along the Mine haul road, loading, and unloading point and transfer points at regular interval with the help of adequate no. of water tankers which are equipped with sprinkling system to suppress dust.  To control dust emission from sources various measures have been taken such as -				
		<ul> <li>a) Wet drilling is being done.</li> <li>b) Blasting is done by using Nonel technology to reduce dust generation and vibration (for control blasting).</li> <li>c) Dry fog system has been installed at transfer points and discharge points, also mist canon installed in C&amp;S plants.</li> </ul>				
		Photographs attached as <b>Annexure- 10</b> and Fugitive dust monitoring report attached as <b>Annexure-12.</b>				
vi.	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 ear plugs / muffs.	Following measures have been taken to keep noise level below 85 dBA.  a. Soundproof cabins have been provided for workers deployed on heavy machines such as dozer, dumper, and shovels etc.  b. Earplugs/muffs have been provided to the workmen.  c. Necessary steps are taken to reduce exposure time of workers to high noise through rotation of duties.  d. Maintenance of equipment is being done regularly.  e. DG sets are within acoustic enclosure.  Noise level monitoring report enclosed as Annexure -13.				
vii.	Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	There is no use of water in process, hence no generation of industrial wastewater.				

	ron Ore Mine, M/s Tata Steel Limited, Barajamda, oamundi, District West Singbhum, Jharkhand.	Environmental Clearance File No.: J-11015/507/2007-IA.II (M). Compliance Period: October 24 to March 25				
viii.	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.  Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Workers are engaged in mining work after providing adequate training and information on safety and health aspect and with protective respiratory devices (Ear Plug, Nose mask, gloves, Helmet, Goggles, safety shoes etc).  IME & PME are being done periodically.  Total 82 IME and 232 PME of the workers are done as per the standards.				
ix.	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	suitable qualified personnel is in place. Details environmental management cell attached				
x.	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 Ministry and its Regional Office located at Bhubaneswar.	Separate fund is kept complying forest & environment clearance conditions. The head wise expenditure incurred by us in environmental protection measures from 1 <sup>st</sup> Oct. 24 to 31 <sup>st</sup> Mar. 25 is enclosed as <b>Annexure-15</b> .				
xi.	The project authorities should inform to the Regional office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied.				
xii.	The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	The requisite data/information/monitoring reports are provided, and co-operation is extended to the regional office of Ministry.				
xiii.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office,	Six monthly reports are being submitted on regular basis to MoEF & CC, Regional office Ranchi and SPCB.				

Bhubaneswar, Central Pollution Control Board

and State Pollution Control Board.

Vijay-II Iron Ore Mine, M/s Tata Steel Limited, Barajamda,	Environmental	Clearance	File	No.:	J-
Tehsil Noamundi, District West Singbhum, Jharkhand.	11015/507/2007	-IA.II (M).			
	Compliance Period: October 24 to March 25				

xiv.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Bhubaneswar, Central Pollution Control Board and State Pollution Control Board.	Complied.
XV.	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied.
xvi.	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collectors office / Tehsildar's Office with 30 days.	NA.
xvii.	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 copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional	Complied. Information regarding grant of EC was advertised in following newspapers-  1. Prabhat khabar (Hindi) dated 30.12.2008. 2. The Telegraph (English) dated 29.12.2008.  Same has been informed to regional office of Ministry vide our letter dated 05.01.2009.

Annexure- 1
Retaining Wall and Garland drain



Annexure- 2
Coir-mat laying on OB dump







Annexure 3
Plantation Photographs



# Annexure- 4 Settling Ponds













TC-12998

# Test Report

ULR No.- TC129982400001906F

Report No.: ALPL/30102024/6-1

Dated: 30/10/2024

Page 1 of 1

report 1100 THE ENDO	TODOD I O I	Dated: 30/10/2021	10 00 00	1 480 1 01 1
Name and Address of Industry:-	Vijay II Iron M/s TATA S Badajamda	teel Limited	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Core Zone)	Sample Inward No.:-	ALPL/21102024/MON-86-AAQ-1/40-1 & 2	
Sampling by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	14, 2	21 October-2024
Test Started On:-	14, 21 October-2024	Test Completed On:-	15, 2	22 October-2024
Sampling Procedure	ANtd/7.2/Mon-01	Weather Condition	Satis	factory & Clear

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182 (Part 23)	USEPA- 40(Part 50)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1	Discipline: Ch	emical	Group: Atmosph	eric Pollution	Material o	or Product tested	1: Ambient Air
	Near Main Gate	03/10/2024	67.1	28.4	14.1	31.6	0.657
AAQ-1		07/10/2024	64.7	21.8	11.9	27.4	0.563
AAQ-1		10/10/2024	57.3	18.6	9.7	21.3	0.526
		14/10/2024	63.9	23.1	12.6	24.1	0.591
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
1		03/10/2024	64.3	26.9	12.6	28.7	0.652
	Quarry-1	07/10/2024	59.1	24.7	11.3	23.8	0.591
AAQ-2	(Near Weigh	10/10/2024	61.7	31.6	14.2	26.1	0.627
	Bridge)	14/10/2024	68.1	29.7	11.9	24.6	0.581
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. Environmental condition - Satisfactory. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut

Technical Manager

Authorized Signatory

Chinmay Garway

----End of Report----







TC-12998

## Test Report

ULR No.- TC129982400001907F

Sampling by

Report No.: ALPL/30102024/6-2 Dated: 30/10/2024 Page 1 of 1 Vijay II Iron Ore Mines Name and Address M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 of Industry:-Badajamda-833 221. Sample Ambient Air Quality Sample Inward No .:-ALPL/21102024/MON-86-AAQ-1/40-3 & 4 Description/Type (Core Zone) Anacon Representative

Samping by	Mr. Biplab Giri	Sample inward Date:-	14, 21 October-2024
Took Chantad On.	71 21 (2.1.) 2024	T . 0 1 . 10	TEXT240120 U 90000

Test Started On:-	14, 21 October-2024	Test Completed On:-	15, 22 October-2024

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) μg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182 (Part 23)	USEPA-40 (Part 50)	IS 5182 (Part 23)	USEPA-40 (Part 50)	15:5182 (flatt 2)
I	Discipline: Chemical	Group	: Atmospheric I	Pollution	Material or		d : Ambient Air
	Quarry-II Near Old Office	03/10/2024	52.7	18.4	8.4	16.9	BLQ (LOQ-0.5)
AAQ-3		07/10/2024	47.3	16.2	7.9	16.2	BLQ (LOQ-0.5)
Thing o		10/10/2024	56.1	23.8	11.6	19.3	BLQ (LOQ-0.5)
		14/10/2024	51.8	21,3	9.2	18.6	BLQ (LOQ-0.5)
	NAAQMS Standards	k	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
		03/10/2024	57.2	23.8	12.6	24.1	BLQ (LOQ-0.5)
AAQ-4	Near B.S. Mining Office	07/10/2024	61.7	26.3	13.9	26.8	BLQ (LOQ-0.5)
ring 4	Treat bio, Mining Office	10/10/2024	54.9	19.1	9.3	17.6	BLQ (LOQ-0.5)
		14/10/2024	58.3	21.7	11.4	23.9	BLQ (LOQ-0.5)
	NAAQMS Standards	0.	100 (24 hrs)	60 (24 hrs)	80(24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification . LOQ= limit of quantification. ● Environmental condition - Satisfactory. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Authorized Signatory

Chinmay Garway

----End of Report----







TC-12998

#### Test Report

ULR No.- TC129982400001908F

Danart No . AT DI /20102024/6 2

Report No.: ALPL/30	102024/6-3	Dated: 30/10/2024		Page 1 of 1	
Name and Address of Industry:-	Vijay II Iron M/s TATA St Badajamda	reel Limited	Work Order No.	4700126596/962-30.05,2024	
Sample Description/ Type	Ambient Air Quality (Buffer Zone)	Sample Inward No.:-	ALPL/21102024/MON-86-AAQ-1/40-5 & 6 ALPL/28102024/MON-86-AAQ-1/8-5 & 6		
Sampling by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	7, 14, 2	1,28 October-2024	
Test Started On:-	7, 14, 21,28 October-2024	7, 14, 21,28 October-2024 Test Completed On:- 8, 15, 22, 29 Oc		. 29 October-2024	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182 (Part 23)	USEPA-40 (Part 50)	IS 5182 (Part 23)	USEPA-40 (Part 50)	IS:5182 (Part-2)
1	Discipline: Chemical	Group	Atmospheric Pol	lution Mate		sted : Ambient Air	1,000
		01/10/2024	54.3	17.9	8.4	16.8	BLQ (LOQ-0.5)
		04/10/2024	47.1	16.3	7.9	15.6	BLQ (LOQ-0.5)
		08/10/2024	56.8	23.6	11.4	21.9	BLQ (LOQ-0.5)
AAQ-5	Baihatu Village	11/10/2024	48.2	21.4	9.3	18.3	BLQ (LOQ-0.5)
AAQ-5	(Near School)	15/10/2024	52.7	19.3	8.6	17.4	BLQ (LOQ-0.5)
		18/10/2024	47.3	18.9	9.1	18.7	BLQ (LOQ-0.5)
		22/10/2024	56.1	23.8	11.6	24.1	BLQ (LOQ-0.5)
		25/10/2024	52.9	21.6	9.7	19.3	BLQ (LOQ-0.5)
	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
		01/10/2024	47.3	16.2	11.4	18.3	BLQ (LOQ-0.5)
		04/10/2024	51.9	18.6	12.7	21.1	BLQ (LOQ-0.5)
		08/10/2024	48.2	19.2	9.3	17.6	BLQ (LOQ-0.5)
AAQ-6	Baraiburu Village	11/10/2024	54.8	21.7	11.9	23.1	BLQ (LOQ-0.5)
AAQ U	(Near Temple)	15/10/2024	56.3	23.6	12.4	19.3	BLQ (LOQ-0.5)
		18/10/2024	61.7	24.9	11.8	21.6	BLQ (LOQ-0.5)
		22/10/2024	54,3	19.2	9.3	16.1	BLQ (LOQ-0.5)
		25/10/2024	52.9	21.6	11.7	19.3	BLQ (LOQ-0.5)
	NAAQMS Standard	S	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Please see watermark "Original Test Report" to confirm the authenticity of this report. parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Authorized Signatory

Chinmay Carway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We obegin our relationship with you and we gut in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 Ohttps://www.anaconlaboratories.com







TC-12998

# Test Report

ULR No.- TC129982400001909F

Report No.: ALPL/30102024/6-4

Dated: 30/10/2024

Paga I of I

report Hon HER ESSO	102024/0-4	Dateu: 30/10/2024		rage I of I
Name and Address of Industry:-	Vijay II Iron M/s TATA Ste Badajamda-	el Limited	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Buffer Zone)	Sample Inward No.:-		N-86-AAQ-1/40-7 & 8 N-86-AAQ-1/8-7 & 8
Sampling by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	7, 14, 2	1,28 October-2024
Test Started On:-	7, 14, 21,28 October-2024	Test Completed On:-	8, 15, 22	2, 29 October-2024

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Met	hod	IS 5182 (Part 23)	USEPA-40 (Part 50)	IS 5182 (Part 23)	USEPA-40 (Part 50)	IS:5182 (Part-2)
I	Discipline: Che	mical Group	: Atmospheric P	ollution	Material or	Product tested :	-
		01/10/2024	43.9	15.8	7.6	16.4	BLQ (LOQ-0.5)
		04/10/2024	48.2	16.9	9.1	18.3	BLQ (LOQ-0.5)
		08/10/2024	53.7	21.4	11.9	23.6	BLQ (LOQ-0,5)
AAQ-7	Gua Village	11/10/2024	47.3	18.2	9.7	19.2	BLQ (LOQ-0.5)
	Gua village	15/10/2024	51.6	19.1	11.4	21.8	BLQ (LOQ-0.5)
		18/10/2024	49.2	21.6	12.1	23.7	BLQ (LOQ-0.5)
		22/10/2024	54.7	23.9	11.8	21.4	BLQ (LOQ-0.5)
		25/10/2024	52.9	19.3	9.6	18.6	BLQ (LOQ-0.5)
	NAAQMS St	andards	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
-		01/10/2024			20.0		
	-	01/10/2024	57.2	26.1	12.4	24.9	BLQ (LOQ-0.5)
	5	04/10/2024	54.7	24.6	11.9	21.8	BLQ (LOQ-0.5)
		08/10/2024	62.8	26.3	12.7	26.1	BLQ (LOQ-0.5)
AAQ-8	Bokna Village	11/10/2024	58.3	19.7	9.3	18.6	BLQ (LOQ-0.5)
. Ling o	Dokna vinage	15/10/2024	61.7	21.4	11.6	23.9	BLQ (10Q-0.5)
		18/10/2024	57.2	18.3	9.1	19.2	BLQ (LOQ-0.5)
		22/10/2024	62.8	24.7	13.9	26.1	BLQ (LOQ-0.5)
		25/10/2024	61.3	21.8	11.6	24.9	BLQ (LOQ-0,5)
	NAAQMS Sta	andards	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Authorized Signatory

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services do Rener bur relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







# Test Report

ULR No.- TC129982400002265F

Report No.: ALPL/02122024/7-1

Dated: 02/12/2024

Page 1 of 1

Report No.: ALFLIOZ	122024/1-1	Dutcut on this bon.		0
Name and Address of Industry:-	Vijay II Iron M/s TATA St Badajamda	teel Limited	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Core Zone)  Sample Inward No.:- ALPL/25112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL/30112024/MON-ALPL			
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date	11, 18, 25 Nov-2024 &	2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 &	2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01	Weather Condition	Satis	factory & Clear

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) μg/m³	Particulate Matter (PM2.5) μg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
-	Test Method		IS 5182 (Part 23)	USEPA-40 (Part 50)-Annex-L	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I	Discipline: Che	mical	Group: Atmosphe	eric Pollution	Material or P	roduct tested	: Ambient Air
		04/11/2024	58.3	21.6	12.9	27.4	BLQ (LOQ-0.5)
		07/11/2024	62.8	27.1	13.4	31.6	BLQ (LOQ-0,5)
		11/11/2024	54.9	16.4	9.3	23.8	BLQ (LOQ-0.5)
	Near Main Gate	14/11/2024	61.4	21.6	11.7	26.1	BLQ (LOQ-0.5)
AAQ-1 N		18/11/2024	57.3	18.3	12.9	24.7	BLQ (LOQ-0.5)
		21/11/2024	64.8	24.9	14.1	28.6	BLQ (LOQ-0.5)
		25/11/2024	68.2	26.1	13.7	27.4	BLQ (LOQ-0,5)
		28/11/2024	58.1	19.3	9.2	23.7	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
		04/11/2024	62.7	24.9	11.6	27.1	BLQ (LOQ-0.5)
		04/11/2024		21.7	9.2	21.6	BLQ (LOQ-0.5)
		07/11/2024	56.3	28.4	12.8	24.7	BLQ (LOQ-0.5)
	Quarry-1	11/11/2024	61.9	19.3	8.6	17.6	BLQ (LOQ-0.5)
AAQ-2	(Near Weigh	14/11/2024	63.1 57.6	24.9	11.3	23.4	BLQ (LOQ-0.5)
	Bridge)	18/11/2024 21/11/2024	61.7	21.7	13.8	24.9	BLQ (LOQ-0.5)
		25/11/2024	58.1	16.4	9.7	18.2	BLQ (LOQ-0.5)
		28/11/2024	63.9	18.2	11.4	21.7	BLQ (LOQ-0.5)
	NAAQMS Standa	10-11-11-11-11-11-11-11-11-11-11-11-11-1	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. Environmental condition - Satisfactory. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut

Technical Manager

Signatory

Pooja Kathane

Technical Manager

Authorized Signatory

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience will be significantly better than the current one, we welcome your feedback on feedback @anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







Test Report

ULR No.- TC129982400002266F

Report No.: ALPL/02122024/7-2

Dated: 02/12/2024

Page 1 of 1

report 1 tott 1 tax as of		APPROVED CAN LANGUE !		ruge i or i
Name and Address of Industry:-	Vijay II Iron M/s TATA S Badajamda	teel Limited	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Core Zone)	Sample Inward No.:-	ALPL/25112024/MON	N-91-AAQ-7/48-3 & 4 N-91-AAQ-7/16-3 & 4
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date	11, 18, 25 Nov-2024 &	2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 &	2 Dec-2024

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) μg/m³	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182 (Part 23)	USEPA-40 (Part 50)-Annex-L	IS 5182 (Part 23)	USEPA-40 (Part 50)	IS:5182 (Part-2)
I	Discipline: Chem	ical	Group: Atmospher	ic Pollution M		uct tested : Amb	
		04/11/2024	53.9	17.6	9.2	17.1	BLQ (LOQ-0.5)
		07/11/2024	58.2	21.9	11.4	23.8	BLQ (LOQ-0.5)
		11/11/2024	48.3	16.7	8.3	18.2	BLQ (LOQ-0.5)
AAQ-3	Quarry-II Near Old Office	14/11/2024	54.9	23.8	11.7	21.4	BLQ (LOQ-0.5)
nng-s		18/11/2024	52.8	18.3	7.6	16.1	BLQ (LOQ-0.5)
		21/11/2024	58.3	24.9	12.8	24.7	BLQ (LOQ-0.5)
		25/11/2024	61.8	21.6	9.2	18.3	BLQ (LOQ-0.5)
		28/11/2024	57.2	19.2	11.4	17.6	BLQ (LOQ-0.5)
	NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
		04/11/2024	58.3	24.9	13.8	21.7	BLQ (LOQ-0.5)
		07/11/2024	- 64.7	26.1	14.7	26.2	BLQ (LOQ-0.5)
		11/11/2024	51.8	19.7	11.3	18.6	BLQ (LOQ-0.5)
A A O-A	Near B.S. Mining Office	14/11/2024	56.3	21.4	9.2	17.3	BLQ (LOQ-0.5)
AAQ-4	ivear box withing Office	18/11/2024	61.7	23.6	11.4	21.9	BLQ (LOQ-0.5)
		21/11/2024	58.3	18.2	9.7	19.2	BLQ (LOQ-0.5)
		25/11/2024	62.8	21.4	12.6	23.8	BLQ (LOQ-0.5)
		28/11/2024	54.9	19.3	11.4	21.6	BLQ (LOQ-0.5)
	NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80(24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. Environmental condition - Satisfactory. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

(XvX

Technical Manager

Authorized Signatory

Chinmay Garway Deputy Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







#### Test Report

ULR No.- TC129982400002267F

Deport No . AI DI /02122024/7-3

Detect: 02/12/2024

Page 1 of 1

Report No.: ALPL/02	1122024/1-3	Dated: 02/12/2024		rage 1 of 1
Name and Address of Industry:-	Vijay II Iron M/s TATA Sto Badajamda-	eel Limited	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Buffer Zone)	Sample Inward No.:-		N-91-AAQ-7/48-5 & 6 N-91-AAQ-7/16-5 & 6
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date	11, 18, 25 Nov-2024 8	k 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec- 2024	Test Completed On:-	12, 19, 26 Nov-2024 &	& 2 Dec-2024

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) μg/m³	Particulate Matter (PM2.5 ) μg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182	USEPA-40	IS 5182	USEPA-40	IS:5182
	113000000000000000000000000000000000000	-00 V: 15	(Part 23)	(Part 50)-Annex-L	(Part 23)	(Part 50)	(Part-2)
I	Discipline:	Chemical	Group: Atmosp	pheric Pollution	Material or Produ	ict tested : Ar	nbient Air
	-	05/11/2024	56.3	18.2	7.6	17.2	BLQ (LOQ-0.5)
		08/11/2024	52.9	16.4	6.8	16.3	BLQ (LOQ-0.5)
		12/11/2024	47.3	16.8	7.1	19.7	BLQ (LOQ-0.5)
AAQ-5	Baihatu Village	15/11/2024	53.8 -	17.3	9.2	17.1	BLQ (LOQ-0.5)
AAQ-3	(Near School)	19/11/2024	48.3	16.4	6.4	16.9	BLQ (LOQ-0.5)
		22/11/2024	56.2	21.8	11.4	23.6	BLQ (LOQ-0.5)
		26/11/2024	54.9	19.3	9.7	18.3	BLQ (LOQ-0.5)
		29/11/2024	47.3	16.4	8.4	16.9	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
		05/11/2024	53.9	23.8	11.6	19.4	BLQ (LOQ-0.5)
		08/11/2024	49,3	21.6	9.3	18.7	BLQ (LOQ-0.5)
		12/11/2024	56.2	24.9	13.8	24.1	BLQ (LOQ-0.5)
AAQ-6	Baraiburu Village	15/11/2024	61.8	26.3	12.4	23.8	BLQ (LOQ-0.5)
	(Near Temple)	19/11/2024	58.3	19.1	9.7	21.4	BLQ (LOQ-0.5)
	#	22/11/2024	62.1	23.8	11.9	24.7	BLQ (LOQ-0.5)
		26/11/2024	57.8	18.3	8.4	19.3	BLQ (LOQ-0.5)
		29/11/2024	61.4	21.6	9,2	21.1	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.6/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

**Authorized Signatory** 

Technical Manager

eputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







#### Test Report

ULR No.- TC129982400002268F

Panart No . AT PI /02122024/7-4

Datad. 02/12/2024

Report No.: ALPL/02	2122024/7-4	Dated: 02/12/2024	W.	Page 1 of 1
Name and Address of Industry:-	Vijay II Iron C M/s TATA Stee Badajamda-8	l Limited	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Buffer Zone)	Sample Inward No.:-	Commence of the control of the contr	N-91-AAQ-7/48-7 & 8 N-91-AAQ-7/16-7 & 8
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date	11, 18, 25 Nov-2024 8	& 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec- 2024	Test Completed On:-	12, 19, 26 Nov-2024 8	k 2 Dec-2024

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) μg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Meth	nod	IS 5182 (Part 23)	USEPA-40 (Part 50)-Annex-L	IS 5182 (Part 23)	USEPA-40 (Part 50)	IS:5182 (Part-2)
1	Discipline: Che	emical Group	: Atmospheric Po	llution Ma	terial or Proc	luct tested : A	
		05/11/2024	57.2	16.8	11.4	17.3	BLQ (LOQ-0.5)
		08/11/2024	62.9	21.6	12.3	18.7	BLQ (LOQ-0.5)
		12/11/2024	54.7	18.3	9.6	16.4	BLQ (LOQ-0.5)
AAQ-7	Gua Village	15/11/2024	61.8	23.8	11.7	21.9	BLQ (LOQ-0.5)
		19/11/2024	67.3	21.4	12.4	23.6	BLQ (LOQ-0.5)
		22/11/2024	58.1	16.9	9.7	18.3	BLQ (LOQ-0.5)
		26/11/2024	56.3	18.3	8.4	16.9	BLQ (LOQ-0.5)
		29/11/2024	61.7	21.8	11.6	21.4	BLQ (LOQ-0.5)
	NAAQMS Sta	indards	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)
		05/11/2024	63.8	21.4	12.9	18.7	BLQ (LOQ-0.5)
		08/11/2024	58.1	18.3	9.2	16.4	BLQ (LOQ-0.5)
		12/11/2024	61.7	21.6	11.4	17,3	BLQ (LOQ-0.5)
AAQ-8	Bokna Village	15/11/2024	62.8	23.4	11.8	21.6	BLQ (LOQ-0.5)
AAQ-0	Dokita village	19/11/2024	57.3	19.3	9.7	18.1	BLQ (LOQ-0.5)
		22/11/2024	61.4	21.8	11.3	21.8	BLQ (LOQ-0.5)
		26/11/2024	58.1	19.7	9.8	19.3	BLQ (LOQ-0.5)
		29/11/2024	57.3	19.2	11.4	18.7	BLQ (LOQ-0.5)
	NAAQMS Sta	ındards	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

Authorized Signatory

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experienced to the properties of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one,

we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

QFP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 

9https://www.anaconlaboratories.com







#### Test Report

ULR No.- TC129982400002572F

Report No.: ALPL/02012025/7-1 dated:02/01/2025 Page 1 of 1 W. O. No. Vijay II Iron Ore Mines 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/09122024/MON-65-AAQ-7/8-1 Sample **Ambient Air Quality** Description/ Type (Core Zone) ANtd/7.3/Mon-02/December-2024/5 Reference to sampling plan Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 09/12/2024 (Sampling duration Period 02/12/2024 to 09/12/2024) Test Started On:-10/12/2024 Test Completed On:-12/12/2024 Sampling Method ANtd/7.2/MON-01

Sr. No. LOCATION		Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	02/12/2024	64.7	24.9	13.6	26.8	BLQ (LOQ-0.5)
100000000000000000000000000000000000000		09/12/2024	61.8	19.3	8.7	17.3	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

Cyan

puty Garwa puty Quality Manager

**Authorized Signatory** 

---End of Report----







TC-12998

#### Test Report

ULR No.- TC129982400002573F

Name and Address of	Vijay II Iron	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda		, W. O. date:	30.05.2024
Sample	Ambient Air Quality	Sample Inward No.	ALPL/09122024/MON	N-65-AAQ-7/8-2
Description/ Type		Reference to sampling plan	ANtd/7.3/Mon-02/Dec	cember-2024/5
		Transport Condition	Carry in ice box at 4°	C O
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 02/12/2024 to 09/12/2024)	Sample Inward Date	09/12/2024	
Test Started On:-	10/12/2024	Test Completed On:-	12/12/2024	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2	Quarry-1	02/12/2024	68.3	31.6	13.9	28.7	BLQ (LOQ-0.5)
A STANKE	(Near Weigh Bridge)	09/12/2024	61.7	27.3	12.4	24.9	BLQ (LOQ-0.5)
	NAAQMS Standards	3	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Poola Kathane Technical Manager Authorized Signatory

Deputy Quality Manager

---End of Report---







TC-12998

## Test Report

ULR No.- TC129982400002574F

Report No.: ALPL/020120	025/7-3 dated:02/01/2025		Page 1 of 1			
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962			
Industry:-	M/s TATA S Badajamda	TAX CONTRACTOR AND ADDRESS.	, W. O. date:	30.05.2024		
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/09122024/MON-65-AAQ-7/8-3 ANtd/7.3/Mon-02/December-2024/5			
	(Core Zone)	Reference to sampling plan				
		Transport Condition	Carry in ice box at 4	PARTICIPATION OF THE PROPERTY OF THE PARTICIPATION		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 02/12/2024 to 09/12/2024)	Sample Inward Date	09/12/2024			
Test Started On:-	10/12/2024	Test Completed On:-	12/12/2024			
Sampling Method	ANtd/7.2/MON-01	rost completed on.				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	(as CO) mg/m <sup>3</sup>
		Jumpung	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	<u></u>	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-3	Quarry-II	02/12/2024	56.3	18.4	9.1	19.3	BLQ (LOQ-0.5)
T. W. T. 100	Near Old Office	09/12/2024	62.7	23.8	11.3	21.7	BLQ (LOQ-0.5)
	NAAQMS Standard	is	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification. ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

--- End of Report----

Authorized Signatory

nmay Garway eputy Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002575F

Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962
Industry:-	M/s TATA S Badajamda	teel Limited	, W. O. date:	30.05.2024
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/09122024/MON-65-AAQ-7/8-4 ANtd/7.3/Mon-02/December-2024/5 Carry in ice box at 4 °C	
	(Core Zone)	Reference to sampling plan		
		Transport Condition		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 02/12/2024 to 09/12/2024)	Sample Inward Date	09/12/2024	
Test Started On:-	10/12/2024	Test Completed On:-	12/12/2024	
Sampling Method	ANtd/7.2/MON-01		THE PROPERTY	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Jumping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical	,	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-4	Near	02/12/2024	56.2	21.7	11.9	23.8	BLQ (LOQ-0.5)
31133	B.S. Mining Office	09/12/2024	54.7	16.3	9.2	21.7	BLQ (LOQ-0.5)
	NAAQMS Standard	ls	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

**Authorized Signatory** 

hirmay Garway Deputy Quality Manager







TC-12998

## Test Report

III R No - TC129982400002792E

Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962
Industry:-	M/s TATA S Badajamda	A PROPERTY CONTRACTOR AND INC.	, W. O. date:	30.05.2024
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/16122024/MON-65-AAQ-7/15-1 ANtd/7.3/Mon-02/December-2024/5 Carry in ice box at 4 °C 16/12/2024	
	(Buffer Zone)	Reference to sampling plan		
		Transport Condition		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 03/12/2024 to 10/12/2024)	Sample Inward Date		
Test Started On:-	17/12/2024	Test Completed On:-	19/12/2024	
Sampling Method	ANtd/7.2/MON-01		10/16/EVET	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
G.			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I. Discipline: Chemical			Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-5	Baihatu Village	03/12/2024	58.3	23.6	8.4	16.9	BLQ (LOQ-0.5)
ciria s	(Near School)	10/12/2024	54.6	18.3	7.1	16.4	BLQ (LOQ-0.5)
	NAAQMS Standa	irds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrś)

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

--- End of Report---

Authorized Signatory

hipmay Garw ty Quality Manager







TC-12998

## Test Report

III R No - TC129982400002783E

	Vijay II Iron	W. O. No.	4700126596/962		
Name and Address of Industry:-	M/s TATA S Badajamda	teel Limited	, W. O. date:	30.05.2024	
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/16122024/MON-65-AAQ-7/15-2 ANtd/7.3/Mon-02/December-2024/5 Carry in ice box at 4 °C 16/12/2024		
	(Buffer Zone)	Reference to sampling plan			
		Transport Condition			
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 03/12/2024 to 10/12/2024)	Sample Inward Date			
Test Started On:-	17/12/2024	Test Completed On:-	19/12/2024		
Sampling Method	ANtd/7.2/MON-01	1071878067			

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10)  µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		oumping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	ıl	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-6	Baraiburu Village	03/12/2024	54.2	21.9	12.6	17.3	BLQ (LOQ-0.5)
, in tage of	(Near Temple)	10/12/2024	51.7	19.2	11.4	18.7	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raul Technical Manager Signatory

Technical Manager

--- End of Report---

**Authorized Signatory** 

outy Quality Manager







TC-12998

#### Test Report

ULR No.- TC129982400002784F

Report No.: ALPL/020120	25/7-7 dated:02/01/2025		Page 1 of 1		
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
ndustry:-	M/s TATA S Badajamda	1/12/17/27/2006/09/17/PM	, W. O. date:	30.05.2024	
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/16122024/MON-65-AAQ-7/15-3		
	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 03/12/2024 to 10/12/2024)	Sample Inward Date	16/12/2024		
Test Started On:-	17/12/2024	Test Completed On:-	19/12/2024		
Sampling Method	ANtd/7.2/MON-01		10/12/2024		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Sumpling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method	1.	IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
ı.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-7	Gua Village	03/12/2024	58.3	17.2	12.6	21.4	BLQ (LOQ-0.5)
	Odd Village	10/12/2024	54.9	16.9	11.3	17.9	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification. ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway







TC-12998

## Test Report

UI R No - TC129982400002785E

			Page 1 of 1		
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/16122024/MON-65-AAQ-7/15-		
	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/Dec	cember-2024/5	
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 03/12/2024 to 10/12/2024)	Sample Inward Date	16/12/2024		
Test Started On:-	rest completed on:-		19/12/2024		
Sampling Method			13/12/2024		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>	
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
I.	Discipline: Chemic	al	Group: Atmospheric	p: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-8	Bokna Village	03/12/2024	67.2	26.8	13.7	24.9	BLQ (LOQ-0.5)	
		10/12/2024	64.7	24.1	12.8	21.6	BLQ (LOQ-0.5)	
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

**Authorized Signatory** 

--- End of Report---







TC-12998

# Test Report

ULR No.- TC129982400002786F

50		Page 1 of 1			
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-	M/s TATA Si Badajamda	, W. O. date:	30.05.2024		
Sample	Ambient Air Quality	Sample Inward No.	ALPL/23122024/MON-65-AAQ-7/15-1		
Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/12/2024 to 19/12/2024)	Sample Inward Date	23/12/2024		
Test Started On:-	24/12/2024	Test Completed On:-	26/12/2024		
Sampling Method	ANtd/7_2/MON-01		120112021		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l,	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	17/12/2024	57.1	18.4	12.9	18.7	BLQ (LOQ-0.5)
		19/12/2024	61.7	21.6	11.4	22.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

--- End of Report----

**Authorized Signatory** 

Deputy Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002787F

Report No.: ALPL/02012025/7-10 dated:02/01/2025 Page 1 of 1 Vijay II Iron Ore Mines W. O. No. 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/23122024/MON-65-AAQ-7/15-2 Sample **Ambient Air Quality** Description/ Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/December-2024/5 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 23/12/2024 (Sampling duration Period 17/12/2024 to 19/12/2024) Test Started On:-24/12/2024 Test Completed On:-26/12/2024 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2	Quarry-1 (Near Weigh Bridge)	17/12/2024	57.3	24.9	9.3	21.6	BLQ (LOQ-0.5)
		19/12/2024	63.8	28.4	11.7	26.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

**Authorized Signatory** 

Chinmay Galway eputy Quality Manager







TC-12998

#### Test Report

ULR No.- TC129982400002788F

Report No.: ALPL/02012025/7-11 dated:02/01/2025 Page 1 of 1 W. O. No. Vijay II Iron Ore Mines 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: Badajamda-833 221. 30.05.2024 Sample Inward No. ALPL/23122024/MON-65-AAQ-7/15-3 Sample Ambient Air Quality Description/ Type (Core Zone) ANtd/7.3/Mon-02/December-2024/5 Reference to sampling plan **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 23/12/2024 (Sampling duration Period 17/12/2024 to 19/12/2024) Test Started On:-24/12/2024 Test Completed On:-26/12/2024 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		aumpning	3Nos., 8 hrly each;	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-3	Quarry-II Near Old Office	17/12/2024	58.2	21.3	9.7	18.6	BLQ (LOQ-0.5)
		19/12/2024	61.8	24.9	12.8	23.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark \*Original Test Report\* to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification. ● Environmental condition — Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

nimmay Garwa Duty Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002789F

24A 277241 142	N Ash Constant	April 1990 Parket	Page 1 of 1	THE CONTROL OF THE PARTY.
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda	A STATE OF THE PROPERTY OF THE PARTY OF THE	. W. O. date:	30.05.2024
Sample	Ambient Air Quality	Sample Inward No.	ALPL/23122024/MON-65-AAQ-7/15-3	
Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7,3/Mon-02/December-2024/5	
		Transport Condition	Carry in ice box at 4	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/12/2024 to 19/12/2024)	Sample Inward Date	23/12/2024	
Test Started On:-	24/12/2024	Test Completed On:-	26/12/2024	
Sampling Method	ANtd/7.2/MON-01	THE PROPERTY OF THE PARTY OF TH	EU/ IE/EUE4	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-4	Near	17/12/2024	64.8	27.6	13.1	27.3	BLQ (LOQ-0.5)
com diament	B.S. Mining Office	19/12/2024	68.3	31.9	14.7	32.1	BLQ (LOQ-0.5)
	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

BLQ= below limit of quantification. 

Environmental condition – Satisfactory & Clear. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

uty Quality Manager

Technical Manager

---End of Report---

and of Hepott







TC-12998

# Test Report

ULR No.- TC129982400002790F

The State of the S	VIII II I	Vilou II bean One Miles			
Name and Address of	G 15 TH TO THE PARTY OF THE PAR	Vijay II Iron Ore Mines			
Industry:-	(Buffer Zone) Reference to sampling plan	, W. O. date:	30.05.2024		
Sample	Ambient Air Quality	Sample Inward No.	ALPL/23122024/MON	N-65-AAQ-7/15-4	
Description/ Type		Reference to sampling plan	ANtd/7.3/Mon-02/Dec	cember-2024/5	
	(Buller Zone)	Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 13/12/2024 to 20/12/2024)	Sample Inward Date	23/12/2024		
Test Started On:-	24/12/2024	Test Completed On:-	26/12/2024		
Sampling Method	ANtd/7.2/MON-01		20112/2024		

Sr. No.	Sr. No. LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Jumping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-5	Baihatu Village	13/12/2024	58.2	21.9	11.6	23.1	BLQ (LOQ-0.5)
,,,,,	(Near School)	20/12/2024	54.8	16.2	9.3	18.6	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Please see watermark "Original Test Report" to confirm the authenticity of this report. reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

**Authorized Signatory** 

Chimnay Ga

uty Quality Manager

Technical Manager

---End of Report---







TC-12998

# Test Report

ULR No.- TC129982400002791F

Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-	M/s TATA S Badajamda		, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/23122024/MON	N-65-AAQ-7/15-5	
escription/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 13/12/2024 to 20/12/2024)	Sample Inward Date	23/12/2024		
Test Started On:-	24/12/2024	Test Completed On:-	26/12/2024		
Sampling Method	ANtd/7.2/MON-01		20/12/2027		

Sr. No.	LOCATION	Particulate Particulate Matter Sulphur dioxide Oxides of  Matter (PM10) (PM2.5) µg/m³ Nitrogen µg/m³  pg/m³ µg/m³		Carbon Monoxide (as CO) mg/m <sup>3</sup>			
		Sumpling	3Nos., 8 hrly each;	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
ı.	Discipline: Chemica	1	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-6	Baraiburu Village	13/12/2024	47.3	16.3	9.2	16.4	BLQ (LOQ-0.5)
7774	(Near Temple)	20/12/2024	53.8	21.7	12.9	18.3	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja-Kathane Technical Manager **Authorized Signatory** 

Chinnay Garway

---End of Report---







Test Report

ULR No.- TC129982400002792F

Report No.: ALPL/020120	25/7-15 dated:02/01/2025		Page 1 of 1		
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-  M/s TATA Steel Limited Badajamda-833 221.  Sample Inward No.  Sample Inward No.			, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/23122024/MON	N-65-AAQ-7/15-6	
Description/ Type			Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5	
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 13/12/2024 to 20/12/2024)	Sample Inward Date	23/12/2024		
Test Started On:-	24/12/2024	Test Completed On:-	26/12/2024		
Sampling Method	ANtd/7.2/MON-01		I characteristics		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Samping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-7	Gua Village	13/12/2024	61.2	23.8	12.7	24.6	BLQ (LOQ-0.5)
ring-r	Oda Village	20/12/2024	57.1	21.3	9.3	18.7	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report---

**Authorized Signatory** 

uty Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002793F

Report No.: ALPL/02012025/7-16 dated:02/01/2025 Page 1 of 1 W. O. No. Vijay II Iron Ore Mines 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/23122024/MON-65-AAQ-7/15-7 Sample **Ambient Air Quality** Description/ Type (Buffer Zone) Reference to sampling plan ANtd/7.3/Mon-02/December-2024/5 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 23/12/2024 (Sampling duration Period 13/12/2024 to 20/12/2024) Test Started On:-24/12/2024 Test Completed On:-26/12/2024 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	(as CO) mg/m³
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	. Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-8	Bokna Village	13/12/2024	58.3	19.3	9.2	18.7	BLQ (LOQ-0.5)
AAG-U	Donna vinage	20/12/2024	61.8	21.6	11,4	23.1	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification. ● Environmental condition — Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chimnay Garway puty Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002794F

Report No.: ALPL/020120	25/7-17 dated:02/01/2025		Page 1 of 1		
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda	A CAST THE COLUMN TO SERVICE THE SERVICE T	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/31122024/MOI	N-65-AAQ-7/9-1	
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4	COSTO TRANSPORTED TO THE STATE OF	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 27/12/2024 to 30/12/2024)	Sample Inward Date	31/12/2024		
Test Started On:-	02/01/2025	Test Completed On:-	02/01/2025		
Sampling Method	ANtd/7.2/MON-01		OLIVITALI		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Jumpining	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
Į,	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-5	Baihatu Village	27/12/2024	52.1	18.7	8.4	16.2	BLQ (LOQ-0.5)
	(Near School)	30/12/2024	57.3	21.9	11.6	23.8	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

10

Technical Manager

---End of Report---

**Authorized Signatory** 

inmay Garwar couty Quality Manager







TC-12998

# Test Report

III P No - TC42009240000270EE

Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Name and Address of Industry:-	M/s TATA S Badajamda	teel Limited	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/31122024/MON-65-AAQ-7/9-2		
Description/ Type	Ambient Air Quality (Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/Dec	cember-2024/5	
		Transport Condition		Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 27/12/2024 to 30/12/2024)	Sample Inward Date	31/12/2024		
Test Started On:-	02/01/2025	Test Completed On:-	02/01/2025		
Sampling Method	ANtd/7.2/MON-01		OLIO III DEO		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Jumping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
-	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemica	1	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-6	Baraiburu Village	27/12/2024	54.2	16.1	11.6	21.8	BLQ (LOQ-0.5)
	(Near Temple)	30/12/2024	61.9	23.4	12.7	23.1	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards,

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report----

**Authorized Signatory** 

y Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002796F Report No.: ALPL/02012025/7-19 dated:02/01/2025 Page 1 of 1 Vijay II Iron Ore Mines W. O. No. 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/31122024/MON-65-AAQ-7/9-3 Sample **Ambient Air Quality** Description/ Type (Buffer Zone) Reference to sampling plan ANtd/7.3/Mon-02/December-2024/5 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 31/12/2024 (Sampling duration Period 27/12/2024 to 30/12/2024) Test Started On:-02/01/2025 Test Completed On:-02/01/2025 Sampling Method

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
J.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-7	Gua Village	27/12/2024 62.8	24.9	11.6	21.3	BLQ (LOQ-0.5)	
	Oua village	30/12/2024	58.3	19.2	8.4	17.2	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

ANtd/7.2/MON-01

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report---

Authorized Signatory

uty Qualify Manager







TC-12998

# Test Report

ULR No - TC129982400002797E

Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-	M/s TATA S Badajamda	teel Limited	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/31122024/MON-65-AAQ-7/9-4		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5 Carry in ice box at 4 °C		
		Transport Condition			
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 27/12/2024 to 30/12/2024)	Sample Inward Date	31/12/2024		
Test Started On:-	02/01/2025	Test Completed On:-	02/01/2025		
Sampling Method	ANtd/7.2/MON-01		OZIO IIZOZO		

Sr. No.	LOCATION	Date of Matter (PM10	Particulate Matter (PM10)  µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
			2, 35,	ly 1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
- 8	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-8	Bokna Village	27/12/2024	57.2	16.9	8.1	16.8	BLQ (LOQ-0.5)
	Donna village	30/12/2024	62.7	21.7	11.7	23.4	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raul Technical Manager Signatory

Technical Manager

--- End of Report---

**Authorized Signatory** 

uty Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002798F

Report No.: ALPL/020120	25/7-21 dated:02/01/2025		Page 1 of 1		
Name and Address of	Vijay II Ir	W. O. No.	4700126596/962		
Industry:-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A Steel Limited nda-833 221.	, W. O. date:	30.05.2024	
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/02012025/MON	N-65-AAQ-7/9-1	
	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 31/12/2024)	Sample Inward Date	02/01/2025		
Test Started On:-	02/01/2025	Test Completed On:-	02/01/2025		
Sampling Method	ANtd/7.2/MON-01	THE PROPERTY AND ADDRESS OF THE PARTY OF THE	DETOTIZOZO		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
J.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	-
AAQ-1 Near Main Gate 31/12/2024		56.3	16.9	9.3	17.3	BLQ (LOQ-0.5)	
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: 

Please see watermark 'Original Test Report' to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raul Technical Manager Signatory

Poora Kathane Technical Manager

--- End of Report----

**Authorized Signatory** 

dly Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002799F

Name and Address of	Vijay II Ir	on Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA	Steel Limited nda-833 221.	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/02012025/MON-65-AAQ-7/9-2		
Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 31/12/2024)	Sample Inward Date	02/01/2025		
Test Started On:-	02/01/2025	Test Completed On:-	02/01/2025		
Sampling Method	ANtd/7.2/MON-01		7777		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		3Nos., 8 hrly each:	Contract of the Contract of th	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2 Quarry-1 (Near Weigh Bridge) 31/12/2024			54.1	19.3	8.4	18.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification. ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooje Kathane Technical Manager

---End of Report---

**Authorized Signatory** 

Chipmay Garway outy Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002800F

Report No.: ALPL/02012025/7-23 dated 02/01/2025 Page 1 of 1 W. O. No. Vijay II Iron Ore Mines 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/02012025/MON-65-AAQ-7/9-3 Sample **Ambient Air Quality** Description/ Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/December-2024/5 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 02/01/2025 (Sampling duration Period 31/12/2024) Test Started On:-02/01/2025 Test Completed On:-02/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		3Nos., 8 hrly each:		1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-3 Quarry-II Near Old Office 31/12/2024		54.3	19.2	11.4	21.6	BLQ (LOQ-0.5)	
	NAAQMS Standard	is	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

may Sarway outy Quality Manager







TC-12998

# Test Report

ULR No.- TC129982400002801F

Panart No . AL DI JOSOSSOSSIT SA

Report No.: ALPL/020120	025/7-24 dated:02/01/2025			Page 1 of 1	
Name and Address of	Vijay II Ir	on Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA Badajan	, W. O. date:	30.05.2024		
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/02012025/MON-65-AAQ-7/9-4		
	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/December-2024/5		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 31/12/2024)	Sample Inward Date	02/01/2025		
Test Started On:-	02/01/2025 Test Completed On:-		02/01/2025		
Sampling Method	ANtd/7.2/MON-01	2020 2000 1000 200	02/0//2020		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)- Annex-L	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
ı.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-4 Near B.S. Mining Office 31/12/2024		59.1	28.4	9.3	21.8	BLQ (LOQ-0.5)	
	NAAQMS Standards	S	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Poera Kathane Technical Manager

---End of Report---

**Authorized Signatory** 

linmay Galway puty Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002582F

Report No.: ALPL/02012025/7-34 Dated: 02/01/2025 Page 1 of 1 Bokna Storage & Handling Plot Name and Address of M/s TATA Steel Long Products Limited Industry:-Work Order No. 4700126596/962-30.05.2024 Barajamda, Jharkhand-833 221 Sample **Ambient Air Quality** Sample Inward No.:-Description/ Type ALPL/23122024/MON-65-AAQ-7/15-9 (Core Zone) Anacon Representative Mr. Sampled by Sample Inward Date:-Biplab Giri 23/12/2024 Test Started On:-24/12/2024 Test Completed On:-26/12/2024 Sampling Method ANtd/7.2/Mon-01 **Weather Condition** Satisfactory & Clear

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate  Matter (PM2.5)  µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)-Annex-L	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I Discipline: Chemical			Group: Atmos	pheric Pollution	Material or	Product tested : /	1,9/10/17/01/51/9/1
AAQ-9 Near HMV Gate 20/12/2024			63.9	24.6	12.1	23.7	BLQ (LOQ-0.5)
NAAQMS Standards  ES: • Please see watermark "Original Test Report" to confirm the authorities.		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

**Authorized Signatory** 

Chinmay Garway Duality Manager







TC-12998

## Test Report

ULR No.- TC129982400002583F

Report No.: ALPL/02012025/7-35 Dated: 02/01/2025 Page 1 of 1 Bokna Storage & Handling Plot Name and Address of M/s TATA Steel Long Products Limited Industry:-Work Order No. Barajamda, 4700126596/962-30.05.2024 Jharkhand-833 221. Sample **Ambient Air Quality** Description/ Type Sample Inward No .:-ALPL/23122024/MON-65-AAQ-7/15-10 (Core Zone) Anacon Representative Mr. Sampled by Sample Inward Date:-Biplab Giri 23/12/2024 Test Started On:-24/12/2024 Test Completed On:-26/12/2024 Sampling Method ANtd/7.2/Mon-01 **Weather Condition** Satisfactory & Clear

Sr. No.	r. No. LOCATION Date of Sampling		Particulate Matter (PM10) µg/m³	Particulate  Matter (PM2.5)  µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182 (Part 23)	USEPA- 40(Part 50)- Annex-L	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1	Discipline: Ch	emical	Group: Atmosph	eric Pollution	Material or	Product tested :	Ambient Air
AAQ-10	Bokna Plot- Near Loading Point	20/12/2024	71.3	32.6	11.3	27.9	BLQ (LOQ-0.5)
NAAQMS Standards  ES:  Please see watermark 'Original Test Report' to confirm the authenticity			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification . LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Poola Kathane Technical Manager **Authorized Signatory** 

Chinmay Girway Juty Quality Manager

----End of Report----







TC-12998

# Test Report

ULR No.- TC129982400002584F

Report No.: ALPL/020120:	Dated: (	02/01/2025	Page 1 of 1			
Name and Address of Industry:-	Bokna Storage of M/s TATA Steel Lor Baraja Jharkhand	amda,	Work Order No.	4700126596/962-30.05.2024		
Sample Description/ Type	Ambient Air Quality (Core Zone)	Sample Inward No.:-	ALPL/23122024/MON-65-AAQ-7/15-11			
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-		23/12/2024		
Test Started On:-	24/12/2024	Test Completed On:-		E-Value o Tomas (V)		
Sampling Method	ANtd/7.2/Mon-01		26/12/2024			
	T	Weather Condition	Sa	tisfactory & Clear		

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate  Matter  (PM2.5)  µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)-Annex-L	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1	Discipline: Ch	emical	Group: Atmosph	eric Pollution	Material or I	Product tested :	2 = 20
AAQ-11	Bokna Plot- Near Weighbridge	20/12/2024	74.9	32.8	14.3	29.7	BLQ (LOQ-0.5)
NAAQMS Standards  ES: • Please see watermark 'Original Text Report' to continuity			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chimnay Garway uty Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002585F

Test Report No.: ALPL/02012025/7-15 Dated: 02/01/2025 Issued To: Page 1 of 1 Bokna Storage & Handling Plot Sample Inward No.: ALPL/25122024/MON-63-M/s TATA Steel Long Products Limited NQ-7/7-7 Report Issue Date: 02/01/2025 Inward Date: 25/12/2024 Barajamda, Jharkhand-833 221. Work Order No. 4700126596/962-30.05.2024 Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling : 20/12/2024 to 21/12/2024 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:50 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location : Near Bokna Plot Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable) : -

irou	: Atmospheric Pollu	ition					
				Test Results			
_				Ambient Noise Le	vel		
Sr.	10 12 20 20 20 20 20 20 20 20 20 20 20 20 20			sult dB (A)	CPCB standards for N	oise I evole	
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A)	Leq dB (A)
1.	Discipline: Chem	ical Gr	oup: Atmospheric		Material or Pr	(Day Time) oduct tested : Ami	(Night Time)
	No.				Industrial Area		pient Noise
7.	Near				TO STORY WAS THE	75	70
3.7	Bokna Plot	IS 9989	67.2	56.1	Commercial Area	65	55
	Control of Control of Control			2000-00	Residential Area	55	
ree	S:   Please see watermark "Original Test Report" to confirm the a				Silence Zone		45
be reco	riease see watermark 'Or	iginal Test Report' to confir	n the authoritists of this	Wistern Services	THE COLOR	50	40

not be reproduced except in full without prior written approval of Anacon Labs. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

Poola Kathane Technical Manager

----End of Report----

Deputy Quality Manager







TC-12998

## Test Report

ULR No.-TC1299825000000563F Page 1 of 1 dated:03/02/2025 Report No.: ALPL/03022025/7-1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited 30.05.2024 Industry:-, W. O. date: Badajamda-833 221. ALPL/06012025/MON-12-AAQ-6/12-1 Sample Inward No. **Ambient Air Quality** Sample ANtd/7.3/Mon-02/January-2025/1 Reference to sampling plan Description/ Type (Core Zone) Carry in ice box at 4 °C Transport Condition Anacon Representative Sample Inward Date 06/01/2025 Sampled by Mr. Biplab Giri (Sampling duration Period 02/01/2025) Test Completed On:-10/01/2025 07/01/2025 Test Started On:-Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION Date of sampling	- 00	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	(as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	cal	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	02/01/2025	62.9	23.6	12.4	27.1	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anscon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

29

Technical Manager

--- End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager



Sampling Method

# Anacon Laboratories





#### Test Report

ULR No.-TC1299825000000564F Report No.: ALPL/03022025/7-2 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/06012025/MON-12-AAQ-6/12-2 Sample Ambient Air Quality

Description/ Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1

Transport Condition Carry in ice box at 4 °C

Anacon Representative

Sampled by

Mr. Biplab Giri

(Sampling duration Period

Sample Inward Date

06/01/2025

02/01/2025)

Test Started On:- 07/01/2025 Test Completed On:- 10/01/2025

NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)
AAQ-2	Quarry-1 (Near Weigh Bridge)	02/01/2025	72.6	32.8	14.7	26.9	BLQ (LOQ-0.5)
l.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
		(6)	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Sr. No. LOC	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	(as CO) mg/m <sup>3</sup>

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DQ= limit of quantification. Prior written approval of Anacon Labs. BLQ= below limit of quantification. Prior written approval of Anacon Labs. BLQ= below limit of quantification.

Remark: - All Results are within Limit as per NAAQMS Standards.

ANtd/7.2/MON-01

Verified by

Snehal Raut Technical Manager Signatory

echnical Manager

---End of Report----

Authorized Signatory

Chinmay Garway enuty Quality Manager







## Test Report

ULR No.-TC1299825000000565F

Report No.: ALPL/03022	025/7-3 dated:03/02/2025		Page 1 of 1		
Name and Address of	Vijay II Ir	on Ore Mines	W. O. No.	4700126596/962	
Industry:-	173.124.00.000.000	A Steel Limited nda-833 221.	, W. O. date:	30.05.2024	
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/06012025/MON-12-AAQ-6/12-3 ANtd/7.3/Mon-02/January-2025/1		
	(Core Zone)	Reference to sampling plan			
550		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 02/01/2025)	Sample Inward Date	06/01/2025		
Test Started On:-	07/01/2025	Test Completed On:-	10/01/2025		
Sampling Method	ANtd/7.2/MON-01		-1/17		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
ī.	Discipline: Chemica	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-3	Quarry-II Near Old Office	02/01/2025	57.2	16.9	8.4	17.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. CQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

----End of Report----

Authorized Signatory

Objective Garway Sputy Quality Manager







# Test Report

ULR No.-TC1299825000000566F

Report No.: ALPL/03022	025/7-4 dated:03/02/2025		Page 1 of 1		
Name and Address of	Vijay II Ir	W. O. No.	4700126596/962		
Industry:-	M/s TATA Badajan	, W. O. date:	30.05.2024		
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/06012025/MON-12-AAQ-6/12-4 ANtd/7.3/Mon-02/January-2025/1		
	(Core Zone)	Reference to sampling plan			
561		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 02/01/2025)	Sample Inward Date	06/01/2025		
Test Started On:-	07/01/2025	Test Completed On:-	i On:- 10/01/2025		
Sampling Method	ANtd/7.2/MON-01			7.4	

Sr. No.	LOCATION	Date of sampling	Matter (PM10)  µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		oamping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric	Pollution M	Material or Product tested : Ambient Air		
AAQ-4	Near B.S. Mining Office	02/01/2025	54.7	18.3	12.7	21.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

Chinmay Garwa

Deputy Quality Manager

Pocja Kathane Technical Manager

---End of Report----

----End of Report----







## Test Report

ULR No.-TC1299825000000567F

Report No.: ALPL/030220	25/7-5 dated:03/02/2025		Page 1 of 1		
	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Name and Address of Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Samala	Ambient Air Quality	Sample Inward No.	ALPL/06012025/MON-12-AAQ-6/12-5		
Sample Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 03/01/2025 to 04/01/2025)	Sample Inward Date	06/01/2025		
Test Started On:-	07/01/2025	Test Completed On:-	10/01/2025		
Sampling Method	AN(d/7-2/MON-01				

Sr. No.	LOCATION Date of sampling		Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>		
		3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each			
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)		
1.	Discipline: Chemic	al	Group: Atmospheric	Group: Atmospheric Pollution Material or Product tested : Ambient Air					
	Baihatu Village	03/01/2025	61.9	24.7	9.2	18.3	BLQ (LOQ-0.5)		
AAQ-5	(Near School)	04/01/2025	56.3	16.2	8.4	17.1	BLQ (LOQ-0.5)		
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)			

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raul Technical Manager Signatory

Technical Manager

---End of Report----

Authorized Signatory

hinmay Garwa eputy Quality Marlager







TC-12998

## Test Report

ULR No.-TC1299825000000568F Report No.: ALPL/03022025/7-6 Page 1 of 1 dated:03/02/2025 4700126596/962 W. O. No. Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/06012025/MON-12-AAQ-6/12-6 Sample **Ambient Air Quality** Description/ Type (Buffer Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 Carry in ice box at 4 °C Transport Condition Anacon Representative Mr. Biplab Giri Sample Inward Date 06/01/2025 Sampled by (Sampling duration Period 03/01/2025 to 04/01/2025) Test Completed On:-Test Started On:-07/01/2025 10/01/2025 Sampling Method ANtd/7\_2/MON-01

Sr. No.	LOCATION		Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	S:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Chemica	al	Group: Atmospheric	Pollution M	laterial or Product tes	sted : Ambient Air	
***	Baraiburu Village	03/01/2025	53.6	18.2	11.6	21.9	BLQ (LOQ-0.5)
AAQ-6	(Near Temple)	04/01/2025	57.3	21.6	12.9	23.8	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Pesture shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition — Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report

ULR No.-TC1299825000000569F

Page 1 of 1 dated:03/02/2025 Report No.: ALPL/03022025/7-7 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/06012025/MON-12-AAQ-6/12-7 Ambient Air Quality Sample Reference to sampling plan ANtd/7:3/Mon-02/January-2025/1 Description/ Type (Buffer Zone) Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sample Inward Date Sampled by 06/01/2025 (Sampling duration Period 03/01/2025 to 04/01/2025) Test Completed On:-Test Started On:-07/01/2025 10/01/2025 ANId/7.2/MON-01 Sampling Method

Sr. No.	LOCATION		Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	a	Group: Almospheric Pollution Material or Product tested : Ambient Air				
	922 - 2303	03/01/2025	58.3	18.1	11.7	23.9	BLQ (LOQ-0.5)
AAQ-7	Gua Village	04/01/2025	52.7	16.4	8.4	17.3	BLQ (LOQ-0.5)
	NAAQMS Standa	irds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: . Please see watermark "Original Test Report" to confirm the authenticity of this report. . Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Rauf Technical Manager Signatory

Authorized Signatory

Chinmay Garyvay

Debuty Quality Manager

Technical Manager

-End of Report---







TC-12998

# Test Report

ULR No.-TC1299825000000570F

Report No.: ALPL/030220	025/7-8 dated:03/02/2025		Page 1 of 1		
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Name and Address of Industry:-	M/s TATA Si Badajamda	, W. O. date:	30.05.2024		
Sample Description/ Type	Ambient Air Quality	Sample Inward No.	ALPL/06012025/MOI	N-12-AAQ-6/12-8	
	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 03/01/2025 to 04/01/2025)	Sample Inward Date	06/01/2025		
Test Started On:-	07/01/2025	Test Completed On:-	10/01/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION		Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
	LIBERT ACCURATE MALASSON	03/01/2025	62.7	24.6	12.8	26.1	BLQ (LOO-0.5)
8-DAA	Bokna Village	04/01/2025	57.2	19.3	11.6	24.7	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

--- End of Report----

Authorized Signatory

Chimnay Garway puty Quality Manager







## Test Report

ULR No.-TC1299825000000571F

Page 1 of 1 Report No.: ALPL/03022025/7-9 dated:03/02/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/13012025/MON-32-AAQ-6/16-1 Sample Ambient Air Quality Description/ Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sample Inward Date Sampled by 13/01/2025 (Sampling duration Period 06/01/2025 to 08/01/2025) Test Completed On:-Test Started On:-14/01/2025 17/01/2025 ANtd/7\_2/MON-01 Sampling Method

Sr. No.	LOCATION	LOCATION Date of (PM10) (Pf	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³.	
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemic	cal	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-1	Near Main Gate	06/01/2025	68.3	28.1	13.8	27.9	BLQ (LOQ-0.5)
mmw-1		08/01/2025	72.6	32.8	14.6	28.6	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. LOQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Gapway Deputy Quality Manager







Test Report

ULR No.-TG1299825000000572F

Page 1 of 1 Report No.: ALPL/03022025/7-10 dated:03/02/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/13012025/MON-32-AAQ-6/16-2 Sample Ambient Air Quality Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 (Core Zone) Carry in ice box at 4 °C **Transport Condition** Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 13/01/2025 (Sampling duration Period 06/01/2025 to 08/01/2025) Test Completed On:-14/01/2025 17/01/2025 Test Started On:-Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	LOCATION Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³-
		54	sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
	- Quarry-1	06/01/2025	58.1	23.6	11.3	27.9	BLQ (LOQ-0.5)
AAQ-2	(Near Weigh Bridge)	08/01/2025	67.3	26.1	12.9	31.8	BLQ (LOQ-0.5)
	NAAQMS Standards	3	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DQ= limit of quantification. Environmental condition — Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

(-full

Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report TC-12998

ULR No.-TC1299825000000573F

Report No.: ALPL/03022025/7-11 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-30.05.2024 . W. O. date: Badajamda-833 221. Sample Inward No. ALPL/13012025/MON-32-AAQ-6/16-3 Ambient Air Quality Sample Description/ Type Reference to sampling plan (Core Zone) ANtd/7.3/Mon-02/January-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sample Inward Date Sampled by 13/01/2025 (Sampling duration Period 06/01/2025 to 08/01/2025) Test Completed On:-Test Started On:-14/01/2025 17/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of	Matter (PM10)	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO), mg/m <sup>3</sup>
			100 AUC 200 CAS (200)	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-3	Quarry-II	06/01/2025	57.1	23.6	11.4	17.9	BLQ (LOQ-0.5)
MMW-3	Near Old Office	08/01/2025	52.8	18.3	9.3	16.4	BLQ (LOQ-0.5).
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

Hinmay Garw

Deputy Quality Mahager

Pooja Kathane

Technical Manager

---End of Report----







## Test Report

ULR No.-TC1299825000000574F

Report No.: ALPL/03022025/7-12 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/13012025/MON-32-AAQ-6/16-4 **Ambient Air Quality** Sample Description/Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 13/01/2025 (Sampling duration Period 06/01/2025 to 08/01/2025) Test Started On:-14/01/2025 Test Completed On:-17/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION		Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling 3Nos., 8 hrly each:	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I,	Discipline: Chemical		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
1101	Near	06/01/2025	67.1	28.4	14.6	27.6	BLQ (LOQ-0.5)
AAQ-4	B.S. Mining Office	08/01/2025	71.3	32.8	16.1	32.8	BLQ (LOQ-0.5)
	NAAQMS Standard	ls	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report---

Authorized Signatory

Chimnay Garway Deputy Quality Merager







Test Report

ULR No.-TC1299825000000575F

Report No.: ALPL/03022025/7-13 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/13012025/MON-32-AAQ-6/16-5 Sample **Ambient Air Quality** Description/ Type ANtd/7.3/Mon-02/January-2025/1 Reference to sampling plan (Buffer Zone) Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 13/01/2025 (Sampling duration Period 09/01/2025 to 11/01/2025) Test Started On:-14/01/2025 Test Completed On:-17/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-5	Baihatu Village	09/01/2025	52.6	16.4	9.1	21.8	BLQ (LOQ-0.5)
MMU-0	(Near School)	11/01/2025	57,3	19.1	11.7	23.4	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Pooja Kathane

Technical Manager

---End of Report----

Authorized Signatory

Chiamay Garway outy Quality Marrager







TC-12998

## Test Report

Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample	Ambient Air Quality	Sample Inward No.	ALPL/13012025/MON-32-AAQ-6/16-6		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
	5.0	Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 09/01/2025 to 11/01/2025)	Sample Inward Date	13/01/2025	14	
Test Started On:-	14/01/2025	Test Completed On:-	17/01/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemica	nl	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
4406	Baraiburu Village	09/01/2025	46.1	17.2	11.3	18.6	BLQ (LOQ-0.5)
AAQ-6	(Near Temple)	11/01/2025	48.6	18.9	12.4	21.7	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

XLI

Verified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

eputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Ohttps: // www.anaconlaboratories.com







TC-12998

## Test Report

III P No TC1299825000000577E

Report No.: ALPL/030220	25//-15 dai	led:03/02/2025	Pag	e 1 of 1	
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample	Ambient Air Quality	Sample Inward No.	ALPL/13012025/MON-32-AAQ-6/16-7		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 09/01/2025 to 11/01/2025)	Sample Inward Date	13/01/2025		
Test Started On:-	14/01/2025	Test Completed On:-	17/01/2025	25	
Sampling Method	ANtd/7.2/MON-01		T. AMERICANA		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³	
		3Nos	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	S:5182 (Part-6)	IS:5182 (Part-10)	
l.	Discipline: Chemical Group: Atmospheric			ric Pollution Material or Product tested : Ambient Air				
AAQ-7	Gua Village	09/01/2025	54.9	18.7	11.3	16.9	BLQ (LOQ-0.5)	
MAQ-7		11/01/2025	48.3	16.2	8.7	15.6	BLQ (LOQ-0.5)	
NAAQMS Standards 100 (24 hrs			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Please see watermark "Original Test Report" to confirm the authenticity of this report. reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . LOQ= limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garwa eputy Quality Manager







## Test Report

ULR No.-TC1299825000000578F

Report No.: ALPL/030220	)25/7-16 dated:03/02/2025		Page 1 of 1		
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Name and Address of Industry:-	M/s TATA S Badajamda	teel Limited	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/13012025/MO	N-32-AAQ-6/16-8	
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1 Carry in ice box at 4 °C		
		Transport Condition			
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 09/01/2025 to 11/01/2025)	Sample Inward Date	13/01/2025	*	
Test Started On:-	14/01/2025	Test Completed On:-	17/01/2025		
Sampling Method	ANtd/7.2/MON-01		-11		

Sr. No.	LOCATION	LOCATION  Date of sampling  Matter (PM10) (PM2.5)  µg/m³ µg/m³  3Nos., 8 hrlv	Matter (PM10)	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
			1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	ı laterial or Product te	sted : Ambient Air	
	5.1.17	09/01/2025	62.8	23.9	12.8	24.6	BLQ (LOQ-0.5)
AAQ-8	Bokna Village	11/01/2025	57.1	18.6	9.7	21.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Please see watermark 'Original Test Report' to confirm the authenticity of this report. reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

---End of Report---

Authorized Signatory

Chirmay Garw eputy Quality Menager







TC-12998

# Test Report

ULR No.-TC1299825000000579F

	Ver- number 6	Page 1 of 1 W. O. No.	4700126596/962		
Name and Address of Industry:-	Mie TATA Canal Line in a		. W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/20012025/MON-36-AAQ-6/8-1		
Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1 Carry in ice box at 4 °C		
10 1=77		Transport Condition			
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/01/2025)	Sample Inward Date	20/01/2025		
Test Started On:-	21/01/2025	Test Completed On:-	24/01/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
				3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
I. Discipline: Chemical			Group: Atmospheric	Pollution M	laterial or Product tes	sted : Ambient Air		
AAQ-1	Near Main Gate	17/01/2025	67.2	31.6	13.9	27.8	BLQ (LOQ-0.5)	
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)		

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/95).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







## Test Report

TC-12998

Name and Address of	Vijay II Iron O	Vijay II Iron Ore Mines			
Industry:-	M/s TATA Steel Limited Badajamda-833 221.		, W. O. date:	30.05.2024	
Saala	Ambient Air Quality	Sample Inward No.	ALPL/20012025/MON-36-AAQ-6/8-2		
Sample Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
	07 070	Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/01/2025)	Sample Inward Date	20/01/2025		
Test Started On:-	21/01/2025	Test Completed On:-	24/01/2025		
Sampling Method	ANId/7.2/MON-01				

Sr. No.	LOCATION	Date of	Particulate .  Matter (PM10)  µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	S:5182 (Part-10)
I. Discipline: Chemical			Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-2	Quarry-1 (Near Weigh Bridge)	17/01/2025	64.9	23.8	12.6	21.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DOQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snéhal Raut Technical Manager Signatory

Pogja-Kathane Technical Manager

--- End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







## Test Report

ULR No.-TC1299825000000581F

Report No.: ALPL/03022025/7-19 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-30.05.2024 . W. O. date: Badajamda-833 221. Sample Inward No. ALPL/20012025/MON-36-AAQ-6/8-3 Sample Ambient Air Quality Description/ Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Sampled by Mr. Biplab Giri Sample Inward Date 20/01/2025 (Sampling duration Period 17/01/2025) Test Started On:-Test Completed On:-21/01/2025 24/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	(as CO) mg/m <sup>3</sup>
			Sumpling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I. Discipline: Chemical			Group: Atmospheric	Pollution M	L aterial or Product tes	sted : Ambient Air	
AAQ-3	Quarry-II Near Old Office	17/01/2025	57.1	18.6	12.9	23.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. LOQ= limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathade Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

https://www.anaconlaboratories.com







Test Report

ULR No.-TC1299825000000582F Report No.: ALPL/03022025/7-20 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/20012025/MON-36-AAQ-6/8-4 Sample **Ambient Air Quality** Description/ Type (Core Zone) ANtd/7.3/Mon-02/January-2025/1 Reference to sampling plan **Transport Condition** Carry in ice box at 4 °C Anacon Representative Sampled by Sample Inward Date Mr. Biplab Giri 20/01/2025 (Sampling duration Period 17/01/2025) Test Started On:-21/01/2025 Test Completed On:-24/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric	Pollution M	l aterial or Product tes	sted : Ambient Air	
AAQ-4	Near B.S. Mining Office	17/01/2025	64.2	32.8	13.6	27.3	BLQ (LOQ-0.5)
	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report

ULR No.-TC1299825000000583F

Report No.: ALPL/03022025/7-21 dated:03/02/2025 Page 1 of 1 Vijay II Iron Ore Mines W. O. No. 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/20012025/MON-36-AAQ-6/8-5 Sample **Ambient Air Quality** Description/ Type (Buffer Zone) Reference to sampling plan ANId/7.3/Mon-02/January-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Sampled by Mr. Biplab Giri Sample Inward Date 20/01/2025 (Sampling duration Period 18/01/2025) Test Started On:-21/01/2025 Test Completed On:-24/01/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		3Nos., 8 hrly each: 1No, 24hrs	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric	Pollution M	L aterial or Product tes	sted : Ambient Air	
AAQ-5	Baihatu Village (Near School)	18/01/2025	48.3	16.9	11.4	21.6	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DOQ= limit of quantification. Environmental condition — Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.W05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kent

Technical Manager

Signatory

Poeja Kathane

Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Reputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC1299825000000584F

Report No.: ALPL/030220	Vijay II Iron Or	Page 1 of 1 W. O. No.	4700126596/962		
Name and Address of Industry:-	M/s TATA Stee	ATA Steel Limited ajamda-833 221. W. O. date:		30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/20012025/MOI	ALPL/20012025/MON-36-AAQ-6/8-6	
Sample Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
17 1550	T	Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 18/01/2025)	Sample Inward Date	20/01/2025		
Test Started On:-	21/01/2025	Test Completed On:-	24/01/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Samping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospherio	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-6	Baraiburu Village (Near Temple)	18/01/2025	54.2	16.9	11.4	23.6	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition — Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report

TC-12998

Name and Address of	The second contract of	Vijay II Iron Ore Mines			
Industry:-	M/s TATA Steel Badajamda-83	(), (3-4) (1) (3 (3 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/20012025/MON-36-AAQ-6/8-7		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 18/01/2025)	Sample Inward Date	20/01/2025		
Test Started On:-	21/01/2025	Test Completed On:-	24/01/2025		
Sampling Method	ANtd/7.2/MON-01	111111111111111111111111111111111111111			

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-7	Gua Village	18/01/2025	56.1	18.4	12.6	23.9	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

---End of Report---

Authorized Signatory

Chimnay Garway eputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC1299825000000586F

Report No.: ALPL/03022025/	7-24 dated:	03/02/2025	Page 1 of 1		
Name and Address of	Vijay II Iron On	Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA Steel Badajamda-83	a Control of the Cont	, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/20012025/MON-36-AAQ-6/8-8		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 18/01/2025)	Sample Inward Date	20/01/2025		
Test Started On:-	21/01/2025	Test Completed On:-	24/01/2025		
Sampling Method /	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sumpling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos , 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
ı.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-8	Bokna Village	18/01/2025	57.1	24.8	13.6	26.1	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

**Authorized Signatory** 

Chinmay Garway Deputy Quality Manager

--- End of Report---







#### Test Report

ULR No.-TC1299825000000587F

Report No.: ALPL/03022025/7-25 dated:03/02/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/27012025/MON-4-AAQ-6/4-1 Sample Ambient Air Quality Description/ Type (Core Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Sampled by Mr. Biplab Giri Sample Inward Date 27/01/2025 (Sampling duration Period 20/01/2025) Test Started On:-28/01/2025 Test Completed On:-31/01/2025 Sampling Method ANId/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m²	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)-	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	20/01/2025	67.2	28.1	14.9	31.6	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermerk "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/65).

Remark: - All Results are within Limit as per NAAQMS Standards.

Xcu

erified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

--- End of Report----

Authorized Signatory

Chinmay Garway eputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC1299825000000588F

Report No.: ALPL/030220	25/7-26 dated	:03/02/2025	Page 1 of 1	
Name and Address of	Vijay II Iron O	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		
Industry:-	71/227/ 3.43 3.73 3.73 3.73			
Sample	Ambient Air Quality	Sample Inward No.	ALPL/27012025/MON-4-AAQ-6/4-2	
Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1	
340 3511		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/01/2025)	Sample Inward Date	27/01/2025	
Test Started On:-	28/01/2025	Test Completed On:-	31/01/2025	
Sampling Method	ANtd/7.2/MON-01	1		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	*
AAQ-2	Quarry-1 (Near Weigh Bridge)	20/01/2025	73.8	31.6	12.9	27.4	BLQ (LOQ-0.5)
	NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chimnay Garway spuly Quality Manager







TC-12998

# Test Report

ULR No.-TC1299825000000589F

Report No.: ALPL/0302202	25/7-27	dated:03/02/2025	Page 1 of 1		
Name and Address of	Vijay II Iron O	re Mines	W. O. No.	4700126596/962	
Name and Address of Industry:-	M/s TATA Stee Badajamda-8	el Limited	. W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/27012025/MON-4-AAQ-6/4-3		
Description/ Type	(Core Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
NO. OCC. PARK SCO AC. V. S. P. S.		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/01/2025)	Sample Inward Date	27/01/2025		
Test Started On:-	28/01/2025	Test Completed On:-	31/01/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		3Nos., 8 hr	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemica	1	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-3	Quarry-II Near Old Office	20/01/2025	54.2	17.1	9.3	18.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

12

Technical Manager

---End of Report----

**Authorized Signatory** 

Chinmay Garway eputy Quality Manager







#### Test Report

Report No.: ALPL/030220	20/7-28 dated:	03/02/2025		Page 1 of 1	
Name and Address of	Vijay II Iron Or	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.			
Industry:-	177 B/7/7/20 (7/0)				
Sample	Ambient Air Quality	Sample Inward No.	ALPL/27012025/MON-4-AAQ-6/4-4 ANtd/7.3/Mon-02/January-2025/1		
Description/ Type	(Core Zone)	Reference to sampling plan			
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/01/2025)	Sample Inward Date	27/01/2025		
Test Started On:-	28/01/2025	Test Completed On:-	31/01/2025		
Sampling Method	ANtd/7,2/MON-01		MCVA TIME TIMES		

Sr. No.	LOCATION	LOCATION  Date of pg/m sampling 3Nos., 8	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each;	y 1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I,	Discipline: Chemical		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-4	Near B.S. Mining Office	20/01/2025	57.1	19.6	13.8	24.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. COQ= limit of quantification. Environmental condition — Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Shehai Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chipmay Garway Deplity Quality Manager







TC-12998

#### Test Report

ULR No.-TC1299825000000591F

Report No.: ALPL/0302202	5/7-29 dated:	03/02/2025	Page 1 of 1		
Name and Address of	Vijay II Iron Oro	Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA Steel Badajamda-83		, W. O. date:	30.05.2024	
Sample	Ambient Air Quality	Sample Inward No.	ALPL/30012025/MON-4-AAQ-6/4-1		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7,3/Mon-02/January-2025/1		
00 B009		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 29/01/2025)	Sample Inward Date	30/01/2025		
Test Started On:- 31/01/2025		Test Completed On:-	03/02/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		Sumpling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-5	Baihatu Village (Near School)	29/01/2025	47.3	15.7	9.3	18.4	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Denuty Quality Manager







Test Report

ULR No.-TC1299825000000592F

Report No.: ALPL/03022025/7-30 dated:03/02/2025 Page 1 of 1 W. O. No. Vijay II Iron Ore Mines 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: Badajamda-833 221. 30.05.2024 Sample Inward No. ALPL/30012025/MON-4-AAQ-6/4-2 Sample Ambient Air Quality Description/Type (Buffer Zone) Reference to sampling plan ANtd/7.3/Mon-02/January-2025/1 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 30/01/2025 (Sampling duration Period 29/01/2025) Test Started On:-31/01/2025 Test Completed On:-03/02/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling  Date of sampling  Particulate  Matter (PM10)  pg/m³  3Nos., 8 hrly  each:	Matter (PM10)	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-6	Baraiburu Village (Near Temple)	29/01/2025	52.7	17.3	12.6	18.1	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. COQ= limit of quantification. Environmental condition — Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kut

Verified by

Snehal Raut Technical Manager Signatory,

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway eputy Quality Manager







TC-12998

# Test Report

ULR No.-TC1299825000000593F

Report No.: ALPL/03022025	77-31 dated	:03/02/2025	Pag	je 1 of 1	
Name and Address of	Vijay II Iron O	re Mines	W. O. No.	4700126596/962	
Industry:-		M/s TATA Steel Limited Badajamda-833 221.			
Sample	Ambient Air Quality	Sample inward No.	ALPL/30012025/MON-4-AAQ-6/4-3		
Description/ Type	(Buffer Zone)	Reference to sampling plan	ANtd/7.3/Mon-02/January-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 29/01/2025)	Sample Inward Date	30/01/2025		
est Started On:- 31/01/2025		Test Completed On:-	03/02/2025		
Sampling Method	ANtd/7.2/MON-01		1.50Wibbottouther		

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO), mg/m³
		Samping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-7	Gua Village	29/01/2025	52.7	16.9	13.8	21.3	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/65).

Remark: - All Results are within Limit as per NAAQMS Standards.

Sophal Paul

Verified by

Snehal Raut Technical Manager Signatory

Peopa Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC1299825000000594F

Page 1 of 1 Report No.: ALPL/03022025/7-32 dated:03/02/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/30012025/MON-4-AAQ-6/4-4 **Ambient Air Quality** Sample Reference to sampling plan (Buffer Zone) Description/ Type ANtd/7.3/Mon-02/January-2025/1 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Sample Inward Date Sampled by Mr. Biplab Giri 30/01/2025 (Sampling duration Period 29/01/2025) Test Completed On:-Test Started On:-31/01/2025 03/02/2025 Sampling Method ANId/7.2/MON-01

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	(as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrty each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I,	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-8	Bokna Village	29/01/2025	58.1	28.4	12.9	23.8	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QPI7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001102F

Report No.: ALPL/03032025/7-1 dated:03/03/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/170225/-ENV-1/20-1 & 2 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative  $\nabla^{\mu} \mathcal{H}_{\mu \nu}$ Mr. Biplab Giri Sampled by Sample Inward Date 17/02/2025 (Sampling duration Period 04/02/2025 to 08/02/2025) Test Completed On:-Test Started On:-21/02/2025 18/02/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	cal	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-1	Near Main Gate	04/02/2025	64.8	23.9	12.6	17.4	BLQ (LOQ-0.5)
AAQ-1	(Core Zone)	07/02/2025	71.6	28.1	13.8	24.9	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Xen

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

---End of Report----

Authorized Signatory

Children Garway

Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Ohttps://www.anaconlaboratories.com







TC-12998

#### Test Report

ULR No.-TC129982500001103F

Report No.: ALPL/030320	25/7-2 dated:03/03/2	2025	Page 1 o	f1	
Name and Address of	Vijay II Iron	Vijay II Iron Ore Mines			
Industry:-	M/s TATA S Badajamda		, W. O. date:	30.05.2024	
Sample Description/ Type		Sample Inward No.	ALPL/170225/-ENV-1/20-3 & 4		
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 04/02/2025 to 08/02/2025)	Sample Inward Date	17/02/2025		
Test Started On:-	est Started On:- 18/02/2025		21/02/2025		
Sampling Method	ANtd/7.2/MON-01	-			

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		samping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Chemical		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-2	Quarry-1	04/02/2025	73.6	31.6	12.8	27.9	BLQ (LOQ-0.5)
	(Near Weigh Bridge) (Core Zone)	07/02/2025	64.1	28.4	11.3	23.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chimmey Garway Deputy Quality Manager



ULR No.-TC129982500001104F

# Anacon Laboratories





#### Test Report

Report No.: ALPL/03032025	5/7-3 dated:03/03/2	2025	Page 1 of 1		
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-		M/s TATA Steel Limited Badajamda-833 221.		30.05.2024	
Sample		Sample Inward No.	ALPL/170225/-ENV-1/20-5 & 6		
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 04/02/2025 to 08/02/2025)	Sample Inward Date	17/02/2025		
Test Started On:-	18/02/2025	Test Completed On:-	21/02/2025		
Sampling Method	ANtd/7.2/MON-01	17			

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) μg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemica	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-3	Quarry-II	04/02/2025	56.1	17.3	9.3	18.4	BLQ (LOQ-0.5)
riria o	Near Old Office (Core Zone)	07/02/2025	51.7	16.9	7.6	17.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. COQ= limit of quantification. Environmental condition — Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QPI7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager







Test Report

ULR No.-TC129982500001105F

Report No.: ALPL/03032025/7-4 dated:03/03/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/170225/-ENV-1/20-7 & 8 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 Carry in ice box at 4 °C **Transport Condition** Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 17/02/2025 (Sampling duration Period 04/02/2025 to 08/02/2025) 18/02/2025 Test Started On:-Test Completed On:-21/02/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-4	Near	04/02/2025	61.9	23.6	11.4	18.3	BLQ (LOQ-0.5)
range of	B.S. Mining Office (Core Zone)	07/02/2025	57.3	18.2	9.1	17.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kaut

Technical Manager

Signatory

Technical Manager

----End of Report----

**Authorized Signatory** 

Chimmay Garway Deputy Quality Manager







Test Report

ULR No.-TC129982500001106F

Report No.: ALPL/03032025/7-5 dated:03/03/2025 Page 1 of 1 W. O. No. Vijay II Iron Ore Mines 4700126596/962 Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/170225/-ENV-1/20-9 & 10 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 17/02/2025 (Sampling duration Period 05/02/2025 to 09/02/2025) Test Started On:-Test Completed On:-18/02/2025 21/02/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION Date of sampling	LOCATION	LOCATION	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
1.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air		
AAQ-5	Baihatu Village	05/02/2025	47.3	21.6	8.4	17.2	BLQ (LOQ-0.5)	
(incai	(Near School) (Buffer Zone)	08/02/2025	52.9	23.8	9.1	21.4	BLQ (LOQ-0.5)	
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)		

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DQ= limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kunt

Snehal Raut Technical Manager Signatory

Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway eputy Quality Manager







TO

ULR No.-TC129982500001107F

Report No.: ALPL/0303202	5/7-6 dated:03/03/2	03/03/2025 Page 1 of 1			
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample Description/ Type		Sample Inward No.	ALPL/170225/-ENV-1/20-11 & 12		
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 05/02/2025 to 09/02/2025)	Sample Inward Date	17/02/2025		
Test Started On:-	18/02/2025	Test Completed On:-	21/02/2025		
Sampling Method	ANtd/7.2/MON-01		- Constitution of the cons		

Test Report

Sr. No.	LOCATION	Date of Matter (PM10) (PM2.5)	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>		
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemica	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-6	Baraiburu Village	05/02/2025	56.1	23.8	12.9	24.7	BLQ (LOQ-0.5)
AAG-0	(Near Temple) (Buffer Zone)	08/02/2025	61.7	26.1	13.8	27.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Xo +

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway eputy Quality Manager







TC-12998

# Test Report

ULR No.-TC129982500001108F

Report No.: ALPL/03032025	/7-7 dated:03/03/2	2025	Page 1 o	f 1	
Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample	2000 200	Sample Inward No.	ALPL/170225/-ENV-1/20-13 & 14 ANtd/7.3/Mon-02/February-2025/1		
Description/ Type	Ambient Air	Reference to sampling plan			
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 05/02/2025 to 09/02/2025)	Sample Inward Date	17/02/2025		
Test Started On:-	18/02/2025	Test Completed On:-	21/02/2025	21/02/2025	
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	sampling	Service and Service Se	Carbon Monoxide (as CO) mg/m <sup>3</sup>			
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-7	Gua Village	05/02/2025	61.9	23.8	12.6	17.9	BLQ (LOQ-0.5)
MMW-1	(Buffer Zone)	08/02/2025	58.3	18.3	9.7	16.4	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kaul

Verified by

Technical Manager

Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chiomay Garway Deputy Quality Manager







TC-12998

# Test Report

ULR No.-TC129982500001109F

Report No.: ALPL/030320	25/7-8 dated:03/03/2	2025	Page 1 o	f.1
Name and Address of		Vijay II Iron Ore Mines		
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024	
Sample Description/ Type	ur n. steppen pri propri grani.	Sample Inward No.	ALPL/170225/-ENV-1/20-15 & 16	
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 05/02/2025 to 09/02/2025)	Sample Inward Date	17/02/2025	
Test Started On:-	18/02/2025	Test Completed On:-	21/02/2025	
Sampling Method	ANtd/7.2/MON-01	1	The second of th	

Sr. No.	LOCATION	Date of	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³			
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-8	Bokna Village	05/02/2025	64.9	24.1	11.7	23.6	BLQ (LOQ-0.5)
MMU-0	(Buffer Zone)	08/02/2025	57.3	21.4	8.4	17.9	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Man

Verified by

Technical Manager

Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chipmay Garway Deputy Quality Manager







TC-12998

# Test Report

ULR No.-TC129982500001110F

Report No.: ALPL/030320	25/7-9 dated:03/03/2	2025	Page 1 of 1		
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda		, W. O. date:	30.05.2024	
Sample Description/ Type		Sample Inward No.	ALPL/190225/-ENV-6/16-1 & 2		
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/02/2025 to 14/02/2025)	Sample Inward Date	19/02/2025		
Test Started On:-	20/02/2025	2025 Test Completed On:- 24/02/202			
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method	-1	IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	cal	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	10/02/2025	71.3	31.6	14.1	28.6	BLQ (LOQ-0.5)
(Core Zone)		13/02/2025	67.1	27.9	11.6	24.1	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Keen

Technical Manager

Signatory

Authorized Signatory

Deputy Quality Manager

Chinmay Sarway

Technical Manager

---End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







TC-12998

# Test Report

ULR No.-TC129982500001111F

Report No.: ALPL/030320	25/7-10 dated:03/03/2	2025	Page 1 of 1	
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962
Industry:-	M/s TATA S Badajamda		, W. O. date:	30.05.2024
Sample		Sample Inward No.	ALPL/190225/-ENV-6	6/16-3 & 4
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/02/2025 to 14/02/2025)	Sample Inward Date	19/02/2025	
Test Started On:-	20/02/2025	Test Completed On:-	24/02/2025	
Sampling Method	ANtd/7.2/MON-01		- International Control of Contro	

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2	Quarry-1	10/02/2025	67.3	24.8	13.9	31.6	BLQ (LOQ-0.5)
MAU-Z	(Near Weigh Bridge) (Core Zone)	13/02/2025	72.4	26.1	14.6	28.3	BLQ (LOQ-0.5)
	NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

--- End of Report---

Authorized Signatory

Chiemay Garway July Quality Manager



ULR No.-TC129982500001112F

# **Anacon Laboratories**





#### Test Report

Page 1 of 1

Report No.: ALPL/030320	025/7-11 dated:03/03/2	2025	Page 1 of 1	
Name and Address of	Vijay II Iron	Vijay II Iron Ore Mines		
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024	
Sample	D 200 - 2004	Sample Inward No.	ALPL/190225/-ENV-	6/16-5 & 6
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/02/2025 to 14/02/2025)	Sample Inward Date	19/02/2025	
Test Started On:-	20/02/2025	Test Completed On:-	24/02/2025	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5 ) μg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric	Pollution M	laterial or Product tes	sted : Ambient Air	
AAQ-3	Quarry-II	10/02/2025	56.3	21.7	9.3	16.8	BLQ (LOQ-0.5)
AMO	Near Old Office (Core Zone)	13/02/2025	61.7	23.6	11.4	17.3	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Man

Technical Manager

Signatory

Foola Name le

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







TC-12998

# Test Report

ULR No.-TC129982500001113F

Report No.: ALPL/030320	25/7-12 dat	ted:03/03/2025	Pag	e 1 of 1
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962
Industry:-	M/s TATA S Badajamda		, W. O. date:	30.05.2024
Sample		Sample Inward No.	ALPL/190225/-ENV-6	6/16-7 & 8
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/02/2025 to 14/02/2025)	Sample Inward Date	19/02/2025	
Test Started On:-	20/02/2025	Test Completed On:-	24/02/2025	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5 ) μg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	ach 6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
J.	Discipline: Chemical		Group: Atmospheric	Pollution M	laterial or Product tes	sted : Ambient Air	
AAQ-4	Near	10/02/2025	51.6	23.8	11.7	23.7	BLQ (LOQ-0.5)
nnu-	B.S. Mining Office (Core Zone)	13/02/2025	56.2	24.9	12.8	24.6	BLQ (LOQ-0.5)
	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Xun

Verified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Deputy Quality Manager







TC-12998

# Test Report

ULR No.-TC129982500001114F

Report No.: ALPL/03032025/7-13 dated:03/03/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/270225/-ENV-1/34-1 & 2 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 27/02/2025 (Sampling duration Period 17/02/2025 to 22/02/2025) Test Started On:-28/02/2025 Test Completed On:-03/03/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		3Nos	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method	-	IS 5182 (Part 23)	USEPA-40(Part 50)-	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	cal	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	17/02/2025	64.9	23.8	13.7	28.1	BLQ (LOQ-0.5)
AAW-1	(Core Zone)	21/02/2025	67.1	28.1	14.6	31.9	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Koul

Verified by

Technical Manager

Signatory

Technical Manager

----End of Report----

**Authorized Signatory** 

hinpady Garway Deputy Quality Manager







TC-12998

# Test Report

III D No. TC420002500004445E

Report No.: ALPL/030320	025/7-14 dated:03/03/202	5	Page 1 o	f1	
Name and Address of	Vijay II Iron Or	Vijay II Iron Ore Mines			
Industry:-	M/s TATA Stee Badajamda-83	2. (19) 1. (10) 1. (10) 1. (10)	, W. O. date:	30.05.2024	
Sample		Sample Inward No.	ALPL/270225/-ENV-1/34-3 & 4		
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/02/2025 to 22/02/2025)	Sample Inward Date	27/02/2025		
Test Started On:-	28/02/2025	Test Completed On:-	03/03/2025		
Sampling Method	ANtd/7.2/MON-01	150			

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2	Quarry-1	17/02/2025	74.1	32.8	14.6	28.9	BLQ (LOQ-0.5)
AAVC 4	(Near Weigh Bridge) (Core Zone)	21/02/2025	64.3	23.9	12.1	24.7	BLQ (LOQ-0.5)
	NAAQMS Standards	3	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

--- End of Report----

Authorized Signatory

Chinmay Garway eputy Quality Manager







#### Test Report

ULR No.-TC129982500001116F

Report No.: ALPL/030320	25/7-15 dated:03/03/202	25	Page 1 of 1	
Name and Address of	Vijay II Iron Or	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		
Industry:-				
Sample		Sample Inward No.	ALPL/270225/-ENV-	1/34-5 & 6
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/02/2025 to 22/02/2025)	Sample Inward Date	27/02/2025	
Test Started On:-	28/02/2025	Test Completed On:-	03/03/2025	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Chemica	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	-
AAQ-3	Quarry-II	17/02/2025	53.7	16.8	8.4	17.3	BLQ (LOQ-0.5)
AAUC 3	Near Old Office (Core Zone)	21/02/2025	56.2	17.4	9.1	18.6	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. COQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kul

Technical Manager

Signatory

Technical Manager

--- End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







### Test Report

ULR No.-TC129982500001117F

Report No.: ALPL/0303202	25/7-16 dated:03/03/2025	5	Page 1 o	f 1
Name and Address of	Vijay II Iron Ore	Mines	W. O. No.	4700126596/962
Industry:-	M/s TATA Steel Badajamda-83		, W. O. date:	30.05.2024
Sample		Sample Inward No.	ALPL/270225/-ENV-1/34-7 & 8	
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/02/2025 to 22/02/2025)	Sample Inward Date	27/02/2025	
Test Started On:-	28/02/2025	Test Completed On:-	03/03/2025	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-4	Near	17/02/2025	68.2	23.9	14.2	28.6	BLQ (LOQ-0.5)
And 4	B.S. Mining Office (Core Zone)	21/02/2025	72.1	27.3	16.1	31.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Stout

Verified by

Technical Manager

Signatory

Toohnical Manager

---End of Report----

Authorized Signatory

Chinmay Carway Deputy Quality Menager







#### Test Report

ULR No.-TC129982500001118F

Report No.: ALPL/03032025/	7-17 dated:03/03/2025	5	Page 1 of 1		
Name and Address of	Vijay II Iron Ore	Vijay II Iron Ore Mines			
Industry:-	M/s TATA Steel Badajamda-83	, W. O. date:	30.05.2024		
Sample		Sample Inward No.	ALPL/270225/-ENV-1/34-9 & 10		
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 19/02/2025 to 23/02/2025)	Sample Inward Date	27/02/2025		
Test Started On:-	28/02/2025	Test Completed On:-	03/03/2025		
Sampling Method	ANtd/7.2/MON-01	1			

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sampung	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-5	Baihatu Village	19/02/2025	51.6	16.2	8.4	17.9	BLQ (LOQ-0.5)
AMUC-U	(Near School) (Buffer Zone)	22/02/2025	46.3	15.8	7.9	16.2	BLQ (LOQ-0,5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. LOQ= limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snéhal Raut Technical Manager Signatory

Technical Manager

--- End of Report---

Authorized Signatory

Chingray Garway Deputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC129982500001119F

Report No.: ALPL/03032025/7-18 dated:03/03/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/270225/-ENV-1/34-11 & 12 Sample Ambient Air Description/Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 27/02/2025 (Sampling duration Period 19/02/2025 to 23/02/2025) 28/02/2025 Test Completed On:-Test Started On:-03/03/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>	
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
I.	Discipline: Chemica	1	Group: Atmospheric Pollution Material or Product tested : Ambient Air					
AAQ-6	Baraiburu Village (Near Temple) (Buffer Zone)	Daraburu Village	19/02/2025	54.9	18.4	11.7	23.8	BLQ (LOQ-0.5)
n/suc-u		22/02/2025	51.2	16.9	9.4	18.6	BLQ (LOQ-0.5)	
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)		

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Technical Manager

Signatory

---End of Report---

Authorized Signatory

Chinmay Garway Debuty Quality Manager







TC-12998

Test Report

III P No .TC120082500001120E

Report No.: ALPL/03032025	/7-19 dated:03/03/202	5	Page 1 of 1	Page 1 of 1		
Name and Address of	Vijay II Iron Or	W. O. No.	4700126596/962			
Industry:-	M/s TATA Stee Badajamda-83	, W. O. date:	30.05.2024			
Sample		Sample Inward No.	ALPL/270225/-ENV-1/34-13 & 14			
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1			
		Transport Condition	Carry in ice box at 4 °C			
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 19/02/2025 to 23/02/2025)	Sample Inward Date	27/02/2025			
Test Started On:-	ted On:- 28/02/2025 Test Complet		03/03/2025			
Sampling Method	ANtd/7.2/MON-01	1				

Sr. No.	LOCATION	LOCATION  Date of pg/r sampling 3Nos.,	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-7	Gua Village	19/02/2025	53.6	17.2	12.6	23.8	BLQ (LOQ-0.5)
MMU-1	(Buffer Zone)	22/02/2025	56.1	23.4	14.1	26.3	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report----

Authorized Signatory

Chilmay Garway eputy Quality Manager







#### Test Report

	Vijay II Iron Or	W. O. No.	4700126596/962	
Name and Address of Industry:-	M/s TATA Stee Badajamda-83	, W. O. date:	30.05.2024	
Sample Description/ Type		Sample Inward No.	ALPL/270225/-ENV-1/34-15 & 16	
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 19/02/2025 to 23/02/2025)	Sample Inward Date	27/02/2025	
Test Started On:-	28/02/2025	8/02/2025 Test Completed On:- 03/03/2025		
Sampling Method	ANtd/7.2/MON-01		Transcration and the second	

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-8	Bokna Village	19/02/2025	62.7	31.6	14.7	28.1	BLQ (LOQ-0.5)
MMQ-0	(Buffer Zone)	22/02/2025	67.3	29.1	13.6	26.4	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

MI

Verified by

Technical Manager

Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chimnay Garway
Deputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC129982500001122F

Report No.: ALPL/0303202	25/7-21 dated:03/03/202	/2025 Page 1 of 1			
Name and Address of	Vijay II Iron Or	Vijay II Iron Ore Mines			
Industry:-	M/s TATA Stee Badajamda-83	, W. O. date:	30.05.2024		
Sample		Sample Inward No.	ALPL/030325/-ENV-7/16-1		
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
5 207		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 25/02/2025 to 26/02/2025)	Sample Inward Date	03/03/2025		
Test Started On:-	03/03/2025	Test Completed On:-	03/03/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)-	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	cal	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-1	Near Main Gate (Core Zone)	25/02/2025	62.8	23.9	11.6	27.3	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs) .	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification, LOQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kant

Verified by

Technical Manager

Signatory

Authorized Signatory

Chinmay Garway

Deputy Quality Manager

Popla Kathane Technical Manager

---End of Report---







#### Test Report

ULR No.-TC129982500001123F

Report No.: ALPL/03032025/7-22 dated:03/03/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/030325/-ENV-7/16-3 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 03/03/2025 (Sampling duration Period 25/02/2025 to 26/02/2025) Test Started On:-03/03/2025 Test Completed On:-03/03/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-2	Quarry-1 (Near Weigh Bridge) (Core Zone)	25/02/2025	68.1	29.7	13.8	21.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Snehal Raut

Technical Manager

erified by

Signatory \_

Authorized Signatory

Deputy Quality Manager

Chirmay Garway

Technical Manager

\_\_\_\_\_

----End of Report----







#### Test Report

ULR No.-TC129982500001124F

Report No.: ALPL/03032025/7-23 dated:03/03/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/030325/-ENV-7/16-5 Sample Ambient Air Description/Type Reference to sampling plan ANtd/7.3/Mon-02/February-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sampled by Sample Inward Date 03/03/2025 (Sampling duration Period 25/02/2025 to 26/02/2025) Test Started On:-03/03/2025 Test Completed On:-03/03/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		samping	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemica		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-3	Quarry-II Near Old Office (Core Zone)	25/02/2025	56.3	17.2	9.1	18.3	BLQ (LOQ-0.5)
	NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

1/1

Verified by

Technical Manager

Signatory

Technical Manager

----End of Report----

Authorized Signatory

himmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001125F

Report No.: ALPL/030320	025/7-24 dated:03/03/2	2025	Page 1 o	f1	
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample Description/ Type	V	Sample Inward No.	ALPL/030325/-ENV-7/16-7		
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/February-2025/1		
2. 992		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 25/02/2025 to 26/02/2025)	Sample Inward Date	03/03/2025		
Test Started On:-	03/03/2025	Test Completed On:-	03/03/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		Sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-4	Near B.S. Mining Office (Core Zone)	25/02/2025	58.2	17.9	11.3	23.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. COQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Kalul

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report----

Authorized Signatory

Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001521F

dated:02/04/2025 Page 1 of 1 Report No.: ALPL/02042025/7-1 4700126596/962 W. O. No. Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited W. O. date: 30.05.2024 Industry:-Badajamda-833 221. Sample Inward No. ALPL/130325/ENV-1/11-1 & 2 Sample Ambient Air Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Description/ Type Carry in ice box at 4 °C **Transport Condition** Anacon Representative Mr. Biplab Giri Sample Inward Date 13/03/2025 Sampled by (Sampling duration Period 03/03/2025 to 04/03/2025 & 07/03/2025 to 08/03/2025) Test Completed On:-Test Started On:-17/03/2025 13/03/2025 ANtd/7.2/MON-01 Sampling Method

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	S:5182 (Part-10)
I.	Discipline: Chemic	cal	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
	Near Main Gate	03.03.2025	56.1	24.3	13.7	21.9	BLQ (LOQ-0.5)
AAQ-1	(Core Zone)	07.03.2025	61.7	26.8	14.6	27.1	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= balow limit of quantification. . LOQ= limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

--- End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Mahager



ULR No.-TC129982500001522F

## Anacon Laboratories





#### Test Report

Report No.: ALPL/02042025	7-2 dated:02/04/2	2025	Page 1 o	f 1	
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA S Badajamda	, W. O. date:	30.05.2024		
Sample	DV 2005 221500	Sample Inward No.	ALPL/130325/ENV-1/11-7 & 8 ANtd/7.3/Mon-02/March-2025/1		
Description/ Type	Ambient Air	Reference to sampling plan			
The second seconds in 672 and		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 05/03/2025	Sample Inward Date	13/03/2025		

 Sampled by
 (Sampling duration Period 05/03/2025 to 10 06/03/2025 & 07/03/2025 to 08/03/2025)
 Sample Inward Date
 13/03/2025

 Test Started On: 13/03/2025
 Test Completed On: 17/03/2025

 Sampling Method
 ANtd/7.2/MON-01
 Test Completed On: 17/03/2025

Sr. No.	LOCATION	LOCATION  Date of pg/m <sup>3</sup> pg/m <sup>3</sup>	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method	Test Method IS 5182 (Part 23) USEPA-40(Part 50) IS:5182(Part-2) IS:5182 (Part-6) IS:5182					IS:5182 (Part-10)
I,	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2	Quarry-1	05.03.2025	76.3	32.8	14.9	28.6	BLQ (LOQ-0.5)
(A)	(Near Weigh Bridge) (Core Zone)	07.03.2025	64.8	27.6	12.1	24.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DOQ= limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Pooja Kamane

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report

ULR No.-TC129982500001523F

dated:02/04/2025 Page 1 of 1 Report No.: ALPL/02042025/7-3 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-30.05.2024 W. O. date: Badajamda-833 221. Sample Inward No. ALPL/130325/ENV-1/11-3 & 4 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri (Sampling duration Period 05/03/2025 to 06/03/2025 & 07/03/2025 to 08/03/2025) Sample Inward Date Sampled by 13/03/2025 Test Completed On:-Test Started On:-13/03/2025 17/03/2025 ANtd/7.2/MON-01 Sampling Method

Sr. No.	LOCATION	Date of sampling  Particulate  Matter (PM10)  µg/m³  3Nos., 8 hrly  each:	Matter (PM10)	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
4402		05.03.2025	53.9	18.4	7.6	17.2	BLQ (LOQ-0.5)
AAQ-3	Near ISS Parking	07.03.2025	56.1	21.6	11.4	23.9	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark \*Original Test Report to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to lested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7,8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001524F

Page 1 of 1 Report No.: ALPL/02042025/7-4 dated:02/04/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-30.05.2024 W. O. date: Badajamda-833 221. Sample Inward No. ALPL/130325/ENV-1/11-5 & 6 Sample Ambient Air Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Description/ Type Carry in ice box at 4 °C Transport Condition Anacon Representative Mr. Biplab Giri Sample Inward Date 13/03/2025 (Sampling duration Period 05/03/2025 Sampled by to 06/03/2025 & 07/03/2025 to 08/03/2025) Test Completed On:-17/03/2025 13/03/2025 Test Started On:-ANtd/7.2/MON-01 Sampling Method

Sr. No.	LOCATION	LOCATION Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-4	Near	05.03.2025	58.2	24.7	13.9	21.7	BLQ (LOQ-0.5)
, AAG-4	B.S. Mining Office (Core Zone)	07.03.2025	62.8	26.4	14.1	24.9	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehål Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

---End of Report---

Authorized Signatory

Deputy Quality Manager



ULR No.-TC129982500001525F

### Angcon Laboratories





#### Test Report

Page 1 of 1 Report No.: ALPL/02042025/7-5 dated:02/04/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited industry:-. W. O. date: 30.05.2024 Badajamda-833 221. ALPL/130325/ENV-1/11-9 Sample Inward No. ALPL/190325/-ENV-4/16-9 Sample Ambient Air

Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Carry in ice box at 4 °C Transport Condition Anacon Representative Mr. Biplab Giri Sampled by (Sampling duration Period 06/03/2025 Sample Inward Date 19/03/2025 to 07/03/2025 & 08/03/2025 to

09/03/2025) 025

Test Started On:-	19/03/2025	Test Completed On:-	22/03/202
Sampling Method	ANtd/7.2/MON-01		

Sr. No.	LOCATION	Date of sampling  Particulate  Matter (PM10)  µg/m³  3Nos., 8 hrly  each:	Matter (PM10)	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air				
AAQ-5	Baihatu Village	lage 06.03.2025 48.3	48.3	18.3	9.1	16.8	BLQ (LOQ-0.5)
AAG-5	(Near School) (Buffer Zone)	08.03.2025	52.6	21.6	11.4	19.2	BLQ (LOQ-0.5)
	NAAQMS Standa	irds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Technical Manager

Signatory

---End of Report---

Authorized Signatory

Chinmay Garway Denuty Quality Manager







### Test Report

ULR No.-TC129982500001526F

Report No.: ALPL/02042025/7-6 Page 1 of 1 dated:02/04/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221 Sample Inward No. ALPL/190325/-ENV-4/16-10 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Carry in ice box at 4 °C **Transport Condition** Anacon Representative Mr. Biplab Giri Sampled by (Sampling duration Period 06/03/2025 to 07/03/2025 & 08/03/2025 to 09/03/2025) Sample Inward Date 19/03/2025 Test Completed On:-Test Started On:-19/03/2025 22/03/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	ıl	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	<del>!</del>
440.0	Baraiburu Village	06.03.2025	54.9	21.6	11.4	23.8	BLQ (LOQ-0.5)
AAQ-6	(Near Temple) (Buffer Zone)	08.03.2025	48.3	16.9	9.2	17.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Confirmity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Stant

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

--End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manage







#### Test Report

ULR No.-TC129982500001527F

Report No.: ALPL/02042025/7-7 dated:02/04/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. ALPL/130325/ENV-1/11-10 Sample Inward No. ALPL/190325/ENV-4/16-11 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri (Sampling duration Period 06/03/2025 to 07/03/2025 & 08/03/2025 to Sample Inward Date Sampled by 13/03/2025 & 19/03/2025 09/03/2025) Test Completed On:-Test Started On:-13/03/2025 & 19/03/2025 17/03/2025 & 20/03/2025 Sampling Method ANtd/7.2/MON-01

Sr. No.	LOCATION	LOCATION Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	laterial or Product te	sted : Ambient Air	
	Gua Village	06.03.2025	57.3	21.7	13.9	18.4	BLQ (LOQ-0.5)
'AAQ-7	(Buffer Zone)	08.03.2025	61.7	61.7 23.8 14.1	21.9	BLQ (LOQ-0.5)	
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: • Piease see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

2

Authorized Signatory

Chimnay Garway Deputy Quality Manager

Pooja Kathane Technical Manager

----End of Report----

--- Ello of Report---



Test Started On:-

Sampling Method

### Anacon Laboratories





TC-12998

# Test Report

ULR No.-TC129982500001528F Report No.: ALPL/02042025/7-8 Page 1 of 1 dated:02/04/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. ALPL/130325/ENV-1/11-10 Sample Inward No. ALPL/190325/-ENV-4/16-12 Sample Ambient Air Description/ Type Reference to sampling plan ANId/7.3/Mon-02/March-2025/1 Transport Condition Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri

Sampled by (Sampling duration Period 06/03/2025 to 07/03/2025 & 08/03/2025 to 09/03/2025) Sample Inward Date 13/03/2025 & 19/03/2025

4700 0005 0 0000 0005

13/03/2025 & 19/03/2025 Test Completed On:- 17/03/2025 & 20/03/2025

Sr. No.	LOCATION	LOCATION Date of sampling Matter 1997	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³	
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each	
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
I.	Discipline: Chemic	al	Group: Atmospheric Pollution Material or Product tested : Ambient Air					
	Bokna Village	06.03.2025	67.2	26.3	12.9	24.7	BLQ (LOQ-0.5)	
AAQ-8	AAQ-8	(Buffer Zone)	08.03.2025	64.7	23.8	11.3	21.8	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

ANtd/7.2/MON-01

Kunt

Technical Manager

Signatory

Pooja Kamane

Technical Mariager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manag







#### Test Report

ULR No.-TC129982500001529F

Report No.: ALPL/02042025/7-9 dated:02/04/2025 Page 1 of 1

Report No.: ALPL/0204202	5/7-9 dated:02/04/2	2025	Page 1 o	f1	
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA Steel Limited Badajamda-833 221.  Sample Inward No.	, W. O. date:	30.05.2024		
Sample		Sample Inward No.	ALPL/190325/-ENV-	4/16-1 & 2	
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7 3/Mon-02/March-2025/1		
ttoriesement nemes		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/03/2025 to 11/03/2025 & 13/03/2025 to 14/03/2025)	Sample Inward Date	19/03/2025		
Test Started On:-	19/03/2025	Test Completed On:-	20/03/2025		
Sampling Method	ANtd/7:2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemic	al	Group: Atmospheric	: Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-1	Near Main Gate	10.03.2025	58,3	27.1	13.4	28.6	BLQ (LOQ-0.5)
MANG-1	(Core Zone)	13.03.2025	62.9	31.6	12.9	24.8	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. DOQ= limit of quantification. DOQ= limit of quantification. Confirm the authenticity of this report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be referred to tested sample(s) and applicable to tested parameters only.

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report TC-12998

ULR No.-TC129982500001530F

Sampling Method

Page 1 of 1 Report No.: ALPL/02042025/7-10 dated:02/04/2025 4700126596/962 W. O. No. Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-, W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/190325/-ENV-4/16-5 & 6 Sample Ambient Air Reference to sampling plan Description/ Type ANtd/7.3/Mon-02/March-2025/1 Carry in ice box at 4 °C Transport Condition Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/03/2025 to 11/03/2025 & 13/03/2025 to Sampled by 19/03/2025 Sample Inward Date 14/03/2025) Test Completed On:-19/03/2025 20/03/2025 Test Started On:-

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		sam	sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-2	Quarry-1	10.03.2025	61.9	26.3	11.4	26.1	BLQ (LOQ-0.5)
(Near Weigh Bridge) (Core Zone)		13.03.2025	57.3	19.1	12.6	24.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

ANtd/7.2/MON-01

Verified by

Snehal Raut Technical Manager Signatory

C

Pooja Kathane

Technical Manager

---End of Report----

Chinmay Garway Deputy Quality Manager

Authorized Signatory







TC-12998

### Test Report

ULR No.-TC129982500001531F

Report No.: ALPL/020420	25/7-11 dated:02/04/2	2025	Page 1 of 1			
	Vijay II Iron	Vijay II Iron Ore Mines				
Name and Address of Industry:-	M/s TATA S Badajamda	. W. O. date:	30.05.2024			
Sample		Sample Inward No.	ALPL/190325/-ENV-	4/16-3 & 4		
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/Ma	7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4	°C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/03/2025 to 11/03/2025 & 13/03/2025 to 14/03/2025)	Sample Inward Date	19/03/2025			
Test Started On:-	19/03/2025	Test Completed On:-	20/03/2025			
Sampling Method	ANtd/7.2/MON-01					

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		540.0000	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
•	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
		10.03.2025	47.3	16.7	9.3	18.4	BLQ (LOQ-0.5)
AAQ-3	Near ISS Parking	13.03.2025	58.7	23.4	12.9	21.6	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chimmay Garway Deputy Quality Manager







#### Test Report

Name and Address of	Vijay II Iron	W. O. No.	4700126596/962		
Name and Address of Industry:-	M/s TATA Si Badajamda	Limited (3 221.  ample Inward No.  eference to sampling plan ransport Condition  ANtd/7.3/Mor Carry in ice b  ample Inward Date  19/03/2025	, W. O. date:	30.05.2024	
Sample		Sample Inward No.	ALPL/190325/-ENV-4/16-7 & 8		
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4	°C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 10/03/2025 to 11/03/2025 & 13/03/2025 to 14/03/2025)	Sample Inward Date	19/03/2025		
Test Started On:-	19/03/2025	Test Completed On:-	20/03/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling 3Nos., 8 h	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method	•	IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	0	Group: Atmospheric	Pollution M	laterial or Product tes	sted : Ambient Air	
AAQ-4	Near	10.03.2025	57.3	19.3	11.6	18.3	BLQ (LOQ-0.5)
B.S. Mining Office (Core Zone)		13.03.2025	61.7	21.4	12.9	19.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. LOQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7,8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report

ULR No.-TC129982500001533F

Report No.: ALPL/02042025/	7-13 dated:02/04/202	5	Page 1 o	f 1	
WOODS COMPANY AND CONTRACTOR	Vijay II Iron Or	Vijay II Iron Ore Mines			
Name and Address of Industry:-	M/s TATA Stee	M/s TATA Steel Limited Badajamda-833 221.			
Samala		Sample Inward No.	ALPL/250325/ENV-4	/42-1 & 2	
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
CONSTRUCTION CONTROL		Transport Condition	Carry in ice box at 4	c	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/03/2025 to 18/03/2025 & 20/03/2025 to 21/03/2025)	Sample Inward Date	25/03/2025		
Test Started On:-	25/03/2025	Test Completed On:-	28/03/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)-	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
****	Near Main Gate	17.03.2025	56.1	23.7	9.2	17.4	BLQ (LOQ-0.5)
AAQ-1	(Core Zone)	20.03.2025	61.7	24.9	11.6	21.8	BLQ (LOQ-0.5)
_	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja-Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Magager







TC-12998

# Test Report

ULR No.-TC129982500001534F

Report No.: ALPL/0204202	5/7-14 dated:02/04/202	5	Page 1 or	f1
	Vijay II Iron Or	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		
Name and Address of Industry:-	M/s TATA Stee			
Cample		Sample Inward No.	ALPL/250325/ENV-4	/42-5 & 6
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1	
		Transport Condition	Carry in ice box at 4°	°C
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/03/2025 to 18/03/2025 & 20/03/2025 to 21/03/2025)	Sample Inward Date	25/03/2025	
Test Started On:-	25/03/2025	Test Completed On:-	28/03/2025	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>2</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-2	Quarry-1	17.03.2025	64.7	23.8	14.2	31.8	BLQ (LOQ-0.5)
MMQ-2	(Near Weigh Bridge) (Core Zone)	20.03.2025	56.1	18.3	9.7	19.4	BLQ (LOQ-0.5)
	NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. LOQ= limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager

Ohttps://www.anaconlaboratories.com







Test Report

ULR No.-TC129982500001535F

Report No.: ALPL/02042025/		5	Page 1 of 1	
Name and Address of	Vijay II Iron Or	Vijay II Iron Ore Mines		
Name and Address of Industry:-	M/s TATA Stee Badajamda-83	AND THE LAND TO	, W. O. date:	30.05.2024
Sample		Sample Inward No.	ALPL/250325/ENV-4/42-3 & 4	
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/03/2025 to 18/03/2025 & 20/03/2025 to 21/03/2025)	Sample Inward Date	25/03/2025	
Test Started On:-	25/03/2025	Test Completed On:-	28/03/2025	
Sampling Method	ANtd/7.2/MON-01	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemical		Group: Atmospherio	Pollution M	laterial or Product tes	sted : Ambient Air	
***		17.03.2025	61.8	24.9	13.6	22.7	BLQ (LOQ-0.5)
AAQ-3	Near ISS Parking	20.03.2025	56.3	19.2	8.4	17.6	BLQ (LOQ-0.5)
	NAAQMS Standard	is	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehål Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

--- End of Report---

**Authorized Signatory** 

Deputy Quality Manager







#### Test Report

Report No.: ALPL/0204203	25/7-16 dated:02/04/2025	i	Page 1 o	f 1	
W	Vijay II Iron Ore	Vijay II Iron Ore Mines			
Name and Address of Industry:-	M/s TATA Steel Badajamda-83	, W. O. date:	30.05.2024		
Sample Description/ Type		Sample Inward No.	ALPL/250325/ENV-4	/42-7 & 8	
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
The state of the s		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 17/03/2025 to 18/03/2025 & 20/03/2025 to 21/03/2025)	Sample Inward Date	25/03/2025		
Test Started On:-	25/03/2025	Test Completed On:-	28/03/2025	28/03/2025	
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
1101	Near	17.03.2025	58.3	18.7	9.2	21.6	BLQ (LOQ-0.5)
AAQ-4	B.S. Mining Office (Core Zone)	20.03.2025	64.9	24.6	14.1	23.8	BLQ (LOQ-0.5)
	NAAQMS Standard	ls	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

--- End of Report---

Authorized Signatory

Chimnay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001537F

Page 1 of 1 Report No.: ALPL/02042025/7-17 dated:02/04/2025 4700126596/962 W. O. No. Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited W. O. date: 30.05.2024 Industry:-Badajamda-833 221. Sample Inward No. ALPL/250325/ENV-4/42-9 & 10 Sample Ambient Air ANtd/7.3/Mon-02/March-2025/1 Description/ Type Reference to sampling plan **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sample Inward Date 25/03/2025 Sampled by (Sampling duration Period 13/03/2025 to 14/03/2025 & 18/03/2025 to 19/03/2025) Test Completed On:-28/03/2025 25/03/2025 Test Started On:-Sampling Method ANId/7.2/MON-01

Sr. No.	LOCATION	LOCATION  Date of sampling  Matter (PM10) (PM2.5) µg/m³ Nitro (PM2	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³			
			8500 Mg 5100.	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I,	Discipline: Chemica	al	Group: Atmospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
***	Baihatu Village	13,03.2025	57.1	23.8	12.9	21.4	BLQ (LOQ-0.5)
AAQ-5	(Near School) (Buffer Zone)	18.03.2025	47.8	16.9	8.4	17.3	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kalhane

Technical Manager

---End of Report---

Authorized Signatory

Chimnay Garway Eputy Quality Mapager







### Test Report

ULR No.-TC129982500001538F Report No.: ALPL/02042025/7-18 dated:02/04/2025 Page 1 of 1 4700126596/962 W. O. No. Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-. W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/250325/ENV-4/42-11 & 12 Sample Ambient Air Description/ Type ANtd/7.3/Mon-02/March-2025/1 Reference to sampling plan Carry in ice box at 4 °C Transport Condition Anacon Representative Mr. Biplab Giri Sample Inward Date Sampled by 25/03/2025 (Sampling duration Period 13/03/2025 to 14/03/2025 & 18/03/2025 to 19/03/2025) Test Completed On:-28/03/2025 Test Started On:-25/03/2025 ANId/7.2/MON-01 Sampling Method

Sr. No.	LOCATION	Date of Matter (PM10) (PM2.5) µg/m³ Nitroge	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³			
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemica	ıl	Group: Atmospheric	Pollution M	laterial or Product te	sted : Ambient Air	
AAQ-6	Baraiburu Village	13.03.2025	52.8	23.7	12.6	21.7	BLQ (LOQ-0.5)
r.Mut-0	(Near Temple) (Buffer Zone)	18.03.2025	56.1	24.3	11.9	23.6	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Stant

Verified by

Technical Manager

Signatory ~

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







Test Report TC-12998

ULR No.-TC129982500001539F

Page 1 of 1 Report No.: ALPL/02042025/7-19 dated:02/04/2025 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-W. O. date: 30.05.2024 Badajamda-833 221. Sample Inward No. ALPL/250325/ENV-4/42-13 & 14 Sample Ambient Air Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Description/Type Carry in ice box at 4 °C **Transport Condition** Anacon Representative Mr. Biplab Giri Sample Inward Date Sampled by 25/03/2025 (Sampling duration Period 13/03/2025 to 14/03/2025 & 18/03/2025 to 19/03/2025) Test Completed On:-28/03/2025 Test Started On:-25/03/2025 ANtd/7.2/MON-01 Sampling Method

Sr. No.	LOCATION	Date of Matter (PM10) (PM2.5) µ	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>		
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
	Gua Village	13.03.2025	58.6	17.4	9.3	18.6	BLQ (LOQ-0.5)
AAQ-7	(Buffer Zone)	18.03.2025	57.1	16.9	8.7	17.3	BLQ (LOQ-0.5)
	NAAQMS Standa	rdş	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anecon Labs. ● BLQ= below limit of quantification. ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

**Authorized Signatory** 

Chimnay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001540F

Report No.: ALPL/0204202	5/7-20 dated:02/04/202	5	Page 1 of 1		
Name and Address of	Vijay II Iron Or	e Mines	W. O. No.	4700126596/962	
Industry:-	M/s TATA Stee Badajamda-83	, W. O. date:	30.05.2024		
Sample		Sample Inward No.	ALPL/250325/ENV-4	/42-15 & 16	
Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 13/03/2025 to 14/03/2025 & 18/03/2025 to 19/03/2025)	Sample Inward Date	25/03/2025		
Test Started On:-	25/03/2025	Test Completed On:-	28/03/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrty each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1,	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
***	Bokna Village	13.03.2025	58.6	17.9	9.1	18.3	BLQ (LOQ-0.5)
AAQ-8	(Buffer Zone)	18.03.2025	62,1	24.6	12.4	23.7	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Technical Manager

Signatory

Technical Manager

---End of Report---

Authorized Signatory

Chinmay Garway Deputy Quality Manager







### Test Report

ULR No.-TC129982500001541F

Report No.: ALPL/02042025/7-21 dated:02/04/2025 Page 1 of 1 W. O. No. 4700126596/962 Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited Industry:-30.05.2024 . W. O. date: Badajamda-833 221. Sample Inward No. ALPL/310325/-ENV-10/16-1 Sample Ambient Air Description/ Type Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 **Transport Condition** Carry in ice box at 4 °C Anacon Representative Mr. Biplab Giri Sample Inward Date Sampled by 31/03/2025 (Sampling duration Period 25/03/2025 to 26/03/2025 & 2703/2025 to 28/03/2025) Test Completed On:-02/04/2025 31/03/2025 Test Started On:-Sampling Method ANtd/7.2/MON-01

.Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
			3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method	1	IS 5182 (Part 23)	USEPA-40(Part 50)-	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemic	cal	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-1	Near Main Gate	25.03.2025	64.3	19.2	8.7	18.4	BLQ (LOQ-0.5)
AAU-1	(Core Zone)	27.03.2025	68.1	21.6	12.9	24.7	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

Chinmay Garway

Deduty Quality Manager

Poora Kathane Technical Manager

---End of Report---



LII P No -TC129982500001542F

## Anacon Laboratories





#### Test Report

Report No.: ALPL/020420	25/7-22 dated:02/04/2	2025	Page 1 o	f 1
	Vijay II Iron	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		
Name and Address of Industry:-	M/s TATA S			
Comple	4 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sample Inward No.	ALPL/310325/-ENV-10/16-5	
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1	
		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 25/03/2025)	Sample Inward Date	31/03/2025	
Test Started On:-	31/03/2025	Test Completed On:-	02/04/2025	
Sampling Method	ANtd/7.2/MON-01			

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Almospheric	Pollution M	aterial or Product tes	sted : Ambient Air	
AAQ-2	Quarry-1 (Near Weigh Bridge) (Core Zone)	25.03.2025	61.8	21.6	11.8	23.6	BLQ (LOQ-0.5)
	NAAQMS Standards	5	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

Pooja Kathane Technical Manager

---End of Report---

Chinmay Garway Deputy Quality Manager







#### Test Report

Report No.: ALPL/020420	25/7-23 dated:02/04/2	2025	Page 1 o	f 1
	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962
Name and Address of Industry:-	M/s TATA S Badajamda	teel Limited	, W. O. date:	30.05.2024
Cample		Sample Inward No.	ALPL/310325/-ENV-10/16-3	
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1	
POURS-2HEW POUR VANDERSON		Transport Condition	Carry in ice box at 4 °C	
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 25/03/2025 to 26/03/2025)	Sample Inward Date	31/03/2025	
Test Started On:-	31/03/2025	Test Completed On:-	02/04/2025	
Sampling Method	ANtd/7.2/MON-01			

'Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	36	sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	b 
AAQ-3	Near ISS Parking	25.03.2025	62.7	23.6	12.6	21.9	BLQ (LOQ-0.5)
	NAAQMS Standard	ls	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark \*Original Test Report\* to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/95).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

chinmay Garwa

Pooja Kathane Technical Manager

Technical Manager Deputy Quality Manager

---End of Report----







Test Report TC-12998

ULR No.-TC129982500001544F

Page 1 of 1 Report No.: ALPL/02042025/7-24 dated:02/04/2025 4700126596/962 W. O. No. Vijay II Iron Ore Mines Name and Address of M/s TATA Steel Limited . W. O. date: 30.05.2024 Industry:-Badajamda-833 221. ALPL/310325/-ENV-10/16-7 Sample Inward No. Sample Ambient Air Reference to sampling plan ANtd/7.3/Mon-02/March-2025/1 Description/ Type Carry in ice box at 4 °C Transport Condition Anacon Representative Mr. Biplab Giri Sample Inward Date 31/03/2025 Sampled by (Sampling duration Period 25/03/2025 to 26/03/2025) Test Completed On:-02/04/2025 31/03/2025 Test Started On:-Sampling Method ANId/7.2/MON-01

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l.	Discipline: Chemical		Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-4	Near B.S. Mining Office (Core Zone)	25.03.2025	67.2	26.4	13.9	24.7	BLQ (LOQ-0.5)
	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report---

Authorized Signatory

Chiernay Garway Denuty Quality Manager







## Test Report

ULR No.-TC129982500001545F

Report No.: ALPL/02042025	5/7-25 dated:02/04/2025		Page 1 of 1		
	Vijay II Iron Ore	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221			
Name and Address of Industry:-	M/s TATA Steel				
OI-		Sample Inward No.	ALPL/310325/-ENV-	10/16-8	
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/03/2025 to 21/03/2025 & 24/03/2025 to 25/03/2025)	Sample Inward Date	31/03/2025		
Test Started On:-	31/03/2025	Test Completed On:-	02/04/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	Date of	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	в	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-5	Baihatu Village	20.03.2025	53.7	21.6	9.1	16.7	BLQ (LOQ-0.5)
nnu-3	(Near School) (Buffer Zone)	24.03.2025	56.2	23.7	11.4	21.1	BLQ (LOQ-0.5)
	NAAQMS Standar	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

Authorized Signatory

Deputy Quality Manager

---End of Report----



ULR No.-TC129982500001546F

# **Anacon Laboratories**





### Test Report

Dago 1 of 1

Report No.: ALPL/020420	25/7-26 dated:02/04/2	2025	Page 1 of 1		
	Vijay II Iron	Ore Mines	W. O. No.	4700126596/962	
Name and Address of Industry:-	M/s TATA St Badajamda	teel Limited	, W. O. date:	30.05.2024	
Campula		Sample Inward No.	ALPL/310325/-ENV-	10/16-9	
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/03/2025 to 21/03/2025 & 24/03/2025 to 25/03/2025)	Sample Inward Date	31/03/2025		
Test Started On:-	31/03/2025	Test Completed On:-	02/04/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	LOCATION  Matter (PM10) (PM2.5) µg/m³ Nitrogen µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>			
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemica	el	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-6	Baraiburu Village	20.03.2025	54.9	21.7	12.8	19.3	BLQ (LOQ-0.5)
MMU-0	(Near Temple) (Buffer Zone)	24.03.2025	48.6	19.2	9.2	18.4	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Lebs. BLQ= below limit of quantification. Environmental condition – Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAOMS Standards.

Stul

Verified by

Snehal Raut Technical Manager Signatory

Technical Manager

---End of Report---

Authorized Signatory

Chiemay Garway Deputy Quality Manager







Test Report

TC-12998

Report No.: ALPL/020420	25/7-27 dated:02/04/202	5	Page 1 of 1		
OCT	THE PARTY OF THE P	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.			
Name and Address of Industry:-	M/s TATA Stee				
		Sample Inward No.	ALPL/310325/-ENV-10/16-10		
Sample Description/ Type	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/03/2025 to 21/03/2025 & 24/03/2025 to 25/03/2025)	Sample Inward Date	31/03/2025		
Test Started On:-	31/03/2025	Test Completed On:-	02/04/2025		
Sampling Method	ANtd/7.2/MON-01				

·Sr. No.	LOCATION	Date of	Particulate Matter (PM10)  µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
575(765)	S	sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	aterial or Product te	sted : Ambient Air	
AAQ-7	Gua Village	20.03.2025	61.7	24.7	12.6	21.9	BLQ (LOQ-0.5)
AAU-/	(Buffer Zone)	24.03.2025	58.3	21.4	11.3	19.2	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

X

Technical Manager

Signatory ~

Pooja Kathane

Technical Manager

---End of Report---

**Authorized Signatory** 

Chinmay Garway
Deputy Quality Manager







Test Report

ULR No.-TC129982500001548F

Report No.: ALPL/02042	025/7-28 dated:02/04/202	25	Page 1 of 1		
Name and Address of	Vijay II Iron Or	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.			
Industry:-					
Sample Description/ Type		Sample Inward No.	ALPL/310325/-ENV-10/16-11		
	Ambient Air	Reference to sampling plan	ANtd/7.3/Mon-02/March-2025/1		
		Transport Condition	Carry in ice box at 4 °C		
Sampled by	Anacon Representative Mr. Biplab Giri (Sampling duration Period 20/03/2025 to 21/03/2025 & 24/03/2025 to 25/03/2025)	Sample Inward Date	31/03/2025		
Test Started On:-	31/03/2025	Test Completed On:-	02/04/2025		
Sampling Method	ANtd/7.2/MON-01				

Sr. No.	LOCATION	LOCATION  Matter (PM10) (PM2.5) µg/m³ Nitrogen µg/n	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>			
		sampling	3Nos., 8 hrly each:	1No, 24hrs	6Nos, 4 hrly each	6Nos, 4 hrly each	3Nos., 8 hrly each
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemic	al	Group: Atmospheric	Pollution M	l aterial or Product te	sted : Ambient Air	
AAQ-8	Bokna Village	20.03.2025	64.8	26.1	14.6	24.9	BLQ (LOQ-0.5)
Andro	(Buffer Zone)	24.03.2025	57.3	19.8	11.3	21.1	BLQ (LOQ-0.5)
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.5/65).

Remark: - All Results are within Limit as per NAAQMS Standards.

Technical Manager

Signatory

---End of Report----

**Authorized Signatory** 

Chinmay Garway Deputy Quality Manager







Test Report

ULR No.-TC129982500001616F

Report No.: ALPL/02042025/7-46 Dated: 02/04/2025 Page 1 of 1

Report No.: ALPL/02042025	77-46 Dated: 0	2/04/2025		Page 1 of 1
Name and Address of Industry:-	M/s TATA Steel Los Baraj	& Handling Plot ng Products Limited amda, d-833 221.	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Core Zone)	Sample Inward No.:-	ALPL/250325/ENV-4/42-40	
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	25/03/2025	
Test Started On:-	26/03/2025	Test Completed On:-		28/03/2025
Sampling Method	ANtd/7.2/Mon-01	Weather Condition	Satisfactory & Clear	

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate  Matter  (PM2.5)  µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Metho	od	IS 5182 (Part 23)	USEPA-40(Part 50)-Annex-L	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1	Discipl	ine: Chemical	Group: Atmos	pheric Pollution	Material or	Product tested :	Ambient Air
AAQ-9	Near HMV Gate	19.03.2025	61.7	24.6	13.1	26.8	BLQ (LOQ-0.5)
	NAAQMS Stan	dards	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition — Satisfactory. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Snehal Raut

Technical Manager

Signatory

Peoja Kathane

---End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager







#### Test Report

16-12990

ULR No.-TC129982500001617F

Report No.: ALPL/02042025/7-47 Dated: 02/04/2025 Page 1 of 1

Bokna Storage & Handling Plot

Name and Address of M/s TATA Steel Long Products Limited Work Order No. 4700129509792 20 05 202

Name and Address of Industry:-	M/s TATA Steel Lo Baraj	ng Products Limited amda, d-833 221.	Work Order No.	4700126596/962-30.05.2024
Sample Description/ Type	Ambient Air Quality (Core Zone)	Sample Inward No.:-	ALPL/250325/ENV-4/42-41	
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-		25/03/2025
Test Started On:-	26/03/2025	Test Completed On:-		28/03/2025
Sampling Method	ANtd/7.2/Mon-01	Weather Condition	Sa	tisfactory & Clear

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5)  µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>2</sup>
Test Method			IS 5182 (Part 23)	USEPA- 40(Part 50)- Annex-L	IS:5182 (Part-2)	(Part-6)	IS:5182 (Part-10)
I Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-10	Bokna Plot- Near Loading Point	19.03.2025	57.6	21.9	12.7	24.8	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ= below limit of quantification. Environmental condition - Satisfactory. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Stand

Technical Manager

Signatory

Pooja Kathane

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







TC-12998

### Test Report

ULR No.-TC129982500001618F

Report No.: ALPL/02042025/7-48 Dated: 02/04/2025 Page 1 of 1 Bokna Storage & Handling Plot Name and Address of M/s TATA Steel Long Products Limited 4700126596/962-30.05.2024 Work Order No. Industry:-Barajamda, Jharkhand-833 221. Sample Ambient Air Quality Sample Inward No .:-ALPL/250325/ENV-4/42-42 Description/ Type (Core Zone) Anacon Representative Sampled by Sample Inward Date:-25/03/2025 Mr. Biplab Giri Test Started On:-Test Completed On:-26/03/2025 28/03/2025 Sampling Method ANtd/7.2/Mon-01 Weather Condition Satisfactory & Clear

Sr. No.	LOCATION	Date of Sampling	Particulate Matter (PM10) µg/m³	Particulate  Matter (PM2.5)  µg/m²	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)-Annex-L	IS:5182 (Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I Discipline: Chemical			Group: Atmosph	neric Pollution	Material or	Product tested :	Ambient Air
AAQ-11	Bokna Plot- Near Weighbridge	19.03.2025	64.3	26.1	12.9	23.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2 (8 hrs)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: -All Results are within Limit as per NAAQMS Standards.

Snetfal Raut Technical Manager

Verified by

Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway







TC-12998

#### Test Report

ULR No.-TC129982500001549F

Test Report No.: ALPL/02042025/7-29A

Issued To: Vijay II Iron Ore Mines M/s TATA Steel Limited

Badajamda-833 221.

Samplings details:

Wind direction: SW

Wind speed:

Instrument ID: ALPL-TSL/CEIS-RDS/2024/37.

ALPL-TSL/CEIS-FPS/2024/25

Calibration Status: 22/08/2024 to 21/08/2025.

Make & Model :- CEIS/CEIS-121, 131 Serial No.:- RDS/362-2024,FPS/427/2024

Weather Conditions : Satisfactory & Clear

1.8 m/sec

Dated: 02/04/2025

Sample Inward No.: ALPL/250325/ENV-4/42-17

Inward Date: 25/03/2025

Work Order No.: 4700126596/962-30.05.2024

Page 1 of 1

Analysis Start date: 25/03/2025

Analysis End date: 31/03/2025

Report Issue date: 02/04/2025

Sample Description : Ambient Air

Sampled by Anacon Representative: Mr. Mahadeo Mondal

Date of Sampling: 17/03/2025 to 18/03/2025

Time of sampling and duration:

Sampled from 17/03/2025 (11:35am) to 18/03/2025 (11:35 am).

Particulate Matter (PM10)- 3Nos., 8 hrly each: Particulate Matter (PM25)-1No, 24hrs:

Sulphur dioxide - 6Nos, 4 hrly each : Oxides of Nitrogen - 6Nos, 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O<sub>5</sub>)- 3Nos., 8 hrly each: Ammonia (as NH<sub>2</sub>)- 3Nos., 8 hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each:

Sampling location : Near Main Gate

Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1

Other Technical Data

Temp<sup>o</sup>C (Max): 37

Temp<sup>o</sup>C (Min): 22

Relative Humidity

Min: 20% Max: 42%

	Test Results							
Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Resul				
I.	Discipline: Chemical Gro	up: Atmospheric Pollution	Material or Product test	ted : Ambient Air				
1.	Particulate Matter (PM <sub>10</sub> )	ug /m³	(S:5182 (Part 23)	56.1				

5r. No.	lest Parameters	Unit	Test Method	Test Results	Standards
I.	Discipline: Chemical Group:	Atmospheric Pollution	Material or Product tested	: Ambient Air	
1.	Particulate Matter (PM <sub>10</sub> )	μg /m³	IS:5182 (Part 23)	56.1	100 (24 hrs)
2.	Particulate Matter (PM <sub>2.5</sub> )	μg /m³	USEPA-40 (Part 50)	23.7	60 (24 hrs)
3.	Sulphur dioxide	μg /m³	IS:5182 (Part 2)	9.2	80 (24 hrs)
4	Oxides of Nitrogen	μg /m³	IS:5182 (Part 6)	17.4	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m³	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	μg /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone (as O <sub>3</sub> )	μg /m³	IS:5182 (Part 9)	8.4	100 (8 hrs)
10.	Ammonia (NH <sub>3</sub> )	µg /m³	CPCB Guidelines Volume 1	13.6	400 (24 hrs)
11.	Benzene	µg /m³	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m³	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)
-					V W-SERVINGSTON

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Technical Manager

Pradnya Pillewan Deputy Technical Manager

Deputy Technical Manager

Signatory

Authorized Signatory

NAAQMS

Technical Manager

Himmay Garwa Deputy Quality Manager

----End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one,

we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab QFP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 

Ghttps://www.anaconlaboratories.com







TC-12998

Test Report

ULR No.-TC129982500001550F

Test Report No.: ALPL/02042025/7-30A Issued To:

Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

Samplings details: Instrument ID: ALPL-TSL/CEIS-RDS/2024/38,

ALPL-TSL/CEIS-FPS/2024/26

Calibration Status :22/08/2024 to 21/08/2025.

Make & Model :- CEIS/CEIS-121, 131 Serial No.:- RDS/370-2024,FPS/411/2024 Dated: 02/04/2025

Sample Inward No.: ALPL/250325/ENV-4/42-18

Inward Date: 25/03/2025

Work Order No.: 4700126596/962-30.05.2024

Page 1 of 1

Analysis Start date: 25/03/2025

Analysis End date: 31/03/2025

Report Issue date: 02/04/2025

Sample Description : Ambient Air

Sampled by Anacon Representative: Mr. Mahadeo Mondal

Date of Sampling: 17/03/2025 to 18/03/2025

Time of sampling and duration:

Sampled from 17/03/2025 (11:55 am) to 18/03/2025 (11:55 am).

Particulate Matter (PM10)- 3Nos., 8 hrly each: Particulate Matter (PM25)-1No, 24hrs:

Sulphur dioxide - 6Nos, 4 hrly each : Oxides of Nitrogen - 6Nos, 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O<sub>3</sub>)- 3Nos., 8 hrly each: Ammonia (as NH<sub>3</sub>)- 3Nos., 8

hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each:

Sampling location: Near ISS Parking

Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1

Other Technical Data

Temp°C (Max): 37

Temp<sup>o</sup>C (Min): 22

Relative Humidity

Min: 20% Max: 42%

Weather Conditions : Satisfactory & Clear

Wind direction: SW Wind speed:

1.8 m/sec

Toot Paculta

			Test Results		
Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	Discipline: Chemical Gro	up: Atmospheric Pollution	Material or Product tested	i : Ambient Air	
1.	Particulate Matter (PM <sub>10</sub> )	µg /m³	IS:5182 (Part 23)	61.8	100 (24 hrs)
2.	Particulate Matter (PM <sub>2.5</sub> )	μg /m³	USEPA-40 (Part 50)	24.9	60 (24 hrs)
3.	Sulphur dioxide	μg /m³	IS:5182 (Part 2)	13.6	80 (24 hrs)
4	Oxides of Nitrogen	μg /m³	IS:5182 (Part 6)	22.7	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m³	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual
8.	Arsenic as As	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone (as O <sub>3</sub> )	μg /m³	IS:5182 (Part 9)	11.6	100 (8 hrs)
10.	Ammonia (NH <sub>3</sub> )	μg /m³	CPCB Guidelines Volume 1	18.4	400 (24 hrs)
11.	Benzene	μg /m³	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m³	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: Please see watermark \*Original Test Report\* to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall be referred to tested sample(s) and applicable to tested parameters only. not be reproduced except in full without prior written approval of Anacon Labs. . BLQ= below limit of quantification. . Environmental condition - Satisfactory & Clear. . Statement of conformity Issued on the basis of decision rule as per quality procedure (QP/7.8/05). Remark: - All Results are within Limit as per NAAQMS Standards.

Technical Manager

Verified by

Pradnya Pillewan Deputy Technical Manager

Deputy Technical Manager

Signatory

Technical Manager

Authorized Signatory

Shimmay Garv Deputy Quality Manager

---End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

QFP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 

Ohttps://www.anaconlaboratories.com







TC-12998

#### Test Report

ULR No.-TC129982500001551F

Test Report No.: ALPL/02042025/7-31A Issued To:

Vijay II Iron Ore Mines M/s TATA Steel Limited

Badajamda-833 221.

Samplings details:

Instrument ID: ALPL-TSL/CEIS-RDS/2024/39. ALPL-TSL/CEIS-FPS/2024/27

Calibration Status: 22/08/2024 to 21/08/2025.

Make & Model :- CEIS/CEIS-121, 131 Serial No.:- RDS/360-2024,FPS/442/2024

Weather Conditions : Satisfactory & Clear

1.8 m/sec

Wind direction: SW

Wind speed:

Dated: 02/04/2025

Sample Inward No.: ALPL/250325/ENV-4/42-19

Inward Date: 25/03/2025

Work Order No.: 4700126596/962-30.05.2024

Page 1 of 1

Analysis Start date: 25/03/2025

Analysis End date: 31/03/2025

Report Issue date: 02/04/2025

Sample Description: Ambient Air

Sampled by Anacon Representative: Mr. Mahadeo Mondal

Date of Sampling: 17/03/2025 to 18/03/2025

Time of sampling and duration:

Sampled from 17/03/2025 (12:25 pm) to 18/03/2025 (12:25 pm).

Particulate Matter (PM10)- 3Nos., 8 hrly each: Particulate Matter (PM25)-1No. 24hrs:

Sulphur dioxide - 6Nos, 4 hrly each : Oxides of Nitrogen - 6Nos, 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O<sub>3</sub>)- 3Nos., 8 hrly each: Ammonia (as NH<sub>3</sub>)- 3Nos., 8

hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each:

Sampling location : Quarry-1(Near Weigh Bridge) Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1

Other Technical Data

Temp<sup>o</sup>C (Max): 37 Temp<sup>©</sup>C (Min): 22

Relative Humidity

Min: 20% Max: 42%

		Te	st Results		
Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
1.	Discipline: Chemical Grou	p: Atmospheric Pollution	Material or Product tested	d : Ambient Air	
1.	Particulate Matter (PM <sub>10</sub> )	μg /m³	IS:5182 (Part 23)	64.7	100 (24 hrs)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg /m³	USEPA-40 (Part 50)	23.8	60 (24 hrs)
3.	Sulphur dioxide	μg /m³	IS:5182 (Part 2)	14.2	80 (24 hrs)
4	Oxides of Nitrogen	μg /m³	IS:5182 (Part 6)	31.8	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m²	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	μg /m²	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone (as O <sub>5</sub> )	µg /m³	IS:5182 (Part 9)	8.6	100 (8 hrs)
10.	Ammonia (NH <sub>3</sub> )	µg /m³	CPCB Guidelines Volume 1	9.2	400 (24 hrs)
11.	Benzene	µg /m³	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m³	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Please see watermark "Original Test Report" to confirm the authenticity of this report. shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification . • Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). Remark: - All Results are within Limit as per NAAQMS Standards.

Technical Manager

Pradnya Pillewan Deputy Technical Manager

Deputy Technical Manager

Signatory

Authorized Signatory

Technical Manage

Chimnay Garw Deputy Quality Manage

---End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one,

we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab QFP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122

https://www.anaconlaboratories.com







TC-12998

Test Report

Dated: 02/04/2025

ULR No.-TC129982500001552F

Test Report No.: ALPL/02042025/7-32A Issued To:

Vijay II Iron Ore Mines M/s TATA Steel Limited

M/s TATA Steel Limite Badajamda-833 221.

Sample Inward No.: ALPL/250325/ENV-4/42-20

Inward Date: 25/03/2025

Work Order No.: 4700126596/962-30.05.2024

Page 1 of 1

Analysis Start date: 25/03/2025

Analysis End date: 31/03/2025

Report Issue date: 02/04/2025

Samplings details:

Instrument ID: ALPL-TSL/CEIS-RDS/2024/40.

ALPL-TSL/CEIS-FPS/2024/28

Calibration Status :22/08/2024 to 21/08/2025.

Make & Model :- CEIS/CEIS-121, 131 Serial No.:- RDS/366-2024,FPS/437/2024 Sample Description: Ambient Air

Sampled by Anacon Representative: Mr. Mahadeo Mondal

Date of Sampling: 17/03/2025 to 18/03/2025

Time of sampling and duration:

Sampled from 17/03/2025 (2:25 pm) to 18/03/2025 (2:25 pm).

Particulate Matter (PM10)- 3Nos., 8 hrly each: Particulate Matter (PM25)-1No, 24hrs:

Sulphur dioxide - 6Nos, 4 hrly each: Oxides of Nitrogen - 6Nos, 4 hrly each: Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O<sub>3</sub>)- 3Nos., 8 hrly each: Ammonia (as NH<sub>3</sub>)- 3Nos., 8

hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each:

ANtr/7.2/RES-INORG/04

IS:5182 (Part 9)

CPCB Guidelines Volume 1

ANtr/7.2/RES/28

ANtr/7.2/RES/29

Sampling location: Near B.S. Mining Office Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1

Other Technical Data

Temp<sup>o</sup>C (Max): 37 Temp<sup>o</sup>C (Min): 22 Relative Humidity

BLQ (LOQ-2.0)

11.7

14.2

BLQ (LOQ-0.01)

BLQ (LOQ-0.01)

Min: 20% Max: 42%

Weather Conditions : Satisfactory & Clear

Arsenic as As

Ozone (as O<sub>3</sub>)

Ammonia (NH<sub>3</sub>)

Benzopyrene

Benzene

Wind direction: SW Wind speed: 1.8

1.8 m/sec

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I,	Discipline: Chemical Grou	up: Atmospheric Pollution	Material or Product teste	d : Ambient Air	1
1.	Particulate Matter (PM <sub>10</sub> )	μg /m³	IS:5182 (Part 23)	58.3	100 (24 hrs)
2.	Particulate Matter (PM <sub>2.5</sub> )	μg /m³	USEPA-40 (Part 50)	18.7	60 (24 hrs)
3.	Sulphur dioxide	µg /m³	IS:5182 (Part 2)	9.2	80 (24 hrs)
4	Oxides of Nitrogen	μg /m³	IS:5182 (Part 6)	21.6	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m³	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual
				U. C.	

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

BLQ= below fimit of quantification. 

Environmental condition – Satisfactory & Clear. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7,8/05).

Snehal Raut Technical Manager

8.

9.

10.

11.

12.

Pradnya Pillewan Deputy Technical Manager

Verified by

Remark: - All Results are within Limit as per NAAQMS Standards.

Kashish Dhanrajani Deputy Technical Manager

ng /m°

µg/m°

µg/m³

µg/m³

ng /m3

Out

Technical Manager

Signatory

Authorized Signatory

6.0 (annual)

100 (8 hrs)

400 (24 hrs)

5.0 (annual)

1.0 (annual)

Deputy Quality Manager

---End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 
• + 91 8045685558 
Email: info@anacon.in
• https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

#### Protocol for Measurement of Flow

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Karo River Upstream (Near Hati Chowk)

Type of measurement

: Open Channel Flow

Date of measurement

: 22<sup>nd</sup> October,2024

Formula used

: Flow Rate, Q (m<sup>3</sup>/hrs.) = Velocity, v (m/hrs.) x Area, A (m<sup>2</sup>)

#### Parameters measured

	araineters measu				
		Parameter	Value	Value	Value
		Width (meter)	14.8	16.9	13.4
		Depth (meter)	0.57	0.48	0.53
		Velocity (m/s)	0.21	0.27	0.26
		Velocity (m/hrs.)	756	972	936
C	alculation of Flow	M. Commonwealth Co			
	10:50 A.M.	Area (m²)	: Depth (m) x Width (m)		8.436
	10.50 A.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6377.62
	11:25 A.M.	Area (m²)	: Depth (m) x Width (m)		8.112
	11.25 A.W.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		7884.86
	42.40 0.14	Area (m²)	: Depth (m) x Width (m)		7.102
	12:10 P.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6647.47

Remarks: - Average Discharge from Karo River Upstream Near Hati Chowk is 6969.98 m<sup>3</sup>/hrs

Chemist Sny

**Authorized Signatory** 

---End of Report----



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 4 + 91 8045685558 ■ Email: info@anacon.in https://www.anaconlaboratories.com

## Test Report

# Vijay II Iron Ore Mines M/s TATA Steel Limited

Badajamda-833 221.

Protocol for ivieasurement of Flov	V
: Vijay-II Iron Ore Mines	

**Location Name & Coordinates** 

: Karo River Downstream (Near Hanuman Mandir)

Type of measurement

: Open Channel Flow

Date of measurement

: 22<sup>nd</sup> October,2024

Formula used

Name of Unit

: Flow Rate, Q (m<sup>3</sup>/hrs.) = Velocity, v (m/hrs.) x Area, A (m<sup>2</sup>)

#### Parameters measured

· arameters	measurea			
	Parameter	Value	Value	Value
	Width (meter)	15.3	16.9	13.8
	Depth (meter)	0.57	0.46	0.52
	Velocity (m/s)	0.28	0.31	0.26
	Velocity (m/hrs.)	1008	1116	936
Calculation	of Flow			
11:15 A.M.	Area (m²)	: Depth (m) x Width (m)		8.721
11:15 A.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		8790.77
11:45 A.M.	Area (m²)	: Depth (m) x Width (m)		7.774
11.45 A.W.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		8675.78
12:55 P.M.	Area (m²)	: Depth (m) x Width (m)		7.176
12.55 F.101.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6716.74

Remarks: - Average Discharge from Karo River Downstream near Hanuman Mandir is 8061.10 m3/hrs.

---End of Report----



Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 
• + 91 8045685558 
Email: info@anacon.in

thtps://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

Protocol for	Measurement of Flo	W		
	: Vijay-II Iron Ore Mines	Ê		
Location Name & Coordinates Type of measurement		m		
nt	: Open Channel Flow			
nt .	: 22 <sup>nd</sup> October,2024			
Formula used		: Flow Rate, Q (m³/hrs.) = Velocity, v (m/hrs.) x Area, A (m²)		
ed			3	
Parameter	Value	Value	Value	
Width (meter)	16.2	19.6	17.1	
Depth (meter)	0.34	0.28	0.26	
	0.19	0.26	0.23	
Velocity (m/hrs.)	684	936	828	
		*		
Area (m²)	: Depth (m) x Width (m)		5.508	
Q (m³/hrs.)	: v (m/hrs.) x A (m	2)	3767.47	
Area (m²)	: Depth (m) x Width (m)		5.488	
Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5136.77	
Area (m²) Q (m³/hrs.)	: Depth (m) x Width (m) : v (m/hrs.) x A (m²)		4.446 <b>36</b> 81 <b>.2</b> 9	
	Parameter Width (meter) Depth (meter) Velocity (m/s) Velocity (m/hrs.)  Area (m²) Q (m³/hrs.)  Area (m²) Area (m²) Area (m²)	: Vijay-II Iron Ore Mines : Koina River Upstream : Open Channel Flow : 22 <sup>nd</sup> October,2024  : Flow Rate, Q (m³/hrs.)  ed  Parameter Width (meter) Depth (meter) Velocity (m/s) Velocity (m/hrs.)  Area (m²) Q (m³/hrs.)  Area (m²)  Q (m³/hrs.)	Solution   Solution	

Remarks: - Average Discharge from Koina River Upstream is 4195.18 m³/hrs.

Chemist S P N

---End of Report---



Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email: info@anacon.in
 ♦ https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

## **Protocol for Measurement of Flow**

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Koina River Downstream

Type of measurement

: Open Channel Flow

Date of measurement

: 22<sup>nd</sup> October,2024

Formula used

: Flow Rate, Q (m<sup>3</sup>/hrs.) = Velocity, v (m/hrs.) x Area, A (m<sup>2</sup>)

#### Parameters measured

Parameters measu	ired			
	Parameter	Value	Value	Value
	Width (meter)	19.6	22.7	21.6
	Depth (meter)	0.36	0.28	0.24
	Velocity (m/s)	0.26	0.24	0.19
	Velocity (m/hrs.)	936	864	684
Calculation of Flow	,			
1:55P.M.	Area (m²)	: Depth (m) x Width (m	1)	7.056
1.551	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6604.42
2:40 P.M.	Area (m²)	: Depth (m) x Width (m	)	6.356
2.407.1111	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5491.58
4:10 P.M.	Area (m²)	: Depth (m) x Width (m	)	5.184
	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		3545.86

Remarks: - Average Discharge from Koina River Downstream is 5213.95 m³/hrs.

Chemist S And

**Authorized Signatory** 

---End of Report---



Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 ► + 91 8045685558 Email: info@anacon.in
 ♦ https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

	Proto	col for Measurement of	Flow		
Name of Unit		: Vijay-II Iron Ore Mii	nes		
<b>Location Name 8</b>	Coordinates	: Baraiburu Nalla	ah		
Type of measure	ment	: Open Channel Flow			
Date of measure	ment	: 22 <sup>nd</sup> October,2024		<b>•</b>	
Formula used		: Flow Rate, Q (m3/h	rs.) = Velocity, v (ı	m/hrs.) x Area, A (m2)	
Parameters meas	sured				
	Parameter	Value	Value	Value	
	Width (meter)	17.2	16.1	13.9	
	Depth (meter)	0.38	0.34	0.29	
	Velocity (m/s)	0.24	0.28	0.21	
	Velocity (m/hrs.)	864	1008	756	
Calculation of Flo	w				
4:45 P.M.	Area (m²)	: Depth (m) x Width (	m)	6.536	
	Q (m³/hrs.)	: v (m/hrs.) x A (m²		5647.10	
5:15 P.M.	Area (m²)	: Depth (m) x Width (	m)	5.474	
0.20 ( 1111)	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5517.79	
5:35 P.M.	Area (m²)	: Depth (m) x Width (	m)	4.031	
<u> </u>	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		3047.44	

Remarks: - Average Discharge from Baraiburu Nallah is 4737.44 m³/hrs.

Chemist S R

**Authorized Signatory** 

---End of Report----



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 \$ + 91 8045685558 ■ Email: info@anacon.in https://www.anaconlaboratories.com

Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

# **Protocol for Measurement of Flow**

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Karo River Upstream (Near Hati Chowk)

Type of measurement

: Open Channel Flow

Date of measurement

: 29th November, 2024

Formula used

: Flow Rate, Q (m³/hrs.) = Velocity, v (m/hrs.) x Area, A (m²)

#### Parameters measured

	Parameter	Value	Value	Value
	Width (meter)	14.3	16.7	13.9
	Depth (meter)	0.53	0.47	0.51
,	Velocity (m/s)	0.19	0.24	0.26
	Velocity (m/hrs.)	684	864	936
Calculation of Flov	v	Co		
11:35A.M.	Area (m²)	: Depth (m) x Width (m)		7.579
11.55A.W.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5184.04
12:10 P.M.	Area (m²)	: Depth (m) x Width (m)		7.849
12.101.101.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6781.54
	Area (m²)	: Depth (m) x Width (m)		7.089
1:30 P.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6635.30
		,,		0033.30

Remarks: - Average Discharge from Karo River Upstream Near Hati Chowk is 6200.29 m3/hrs

---End of Report----



### Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

Pr	otocol for Measurem	ent of Flor	N	
it	: Vijay-II Iron Ore Mine	S		
me & Coordinates	: Karo River Downstr	eam (Near H	lanuman Mandir)	
surement	: Open Channel Flow	1 1000000000000000000000000000000000000	,	
surement	: 29 <sup>th</sup> November,2024			
ed	: Flow Rate, Q (m³/hrs.)	= Velocity, v	(m/hrs.) x Area, A (m²)	
measured	9:			
Parameter	Value	Value	Value	
Width (meter)	15.2	16.4		
Depth (meter)	0.56	0.43		
Velocity (m/s)	0.26	0.28	0.24	
Velocity (m/hrs.)	936	1008	864	
of Flow				
Area (m²)	: Depth (m) x Width (m)	()	8.512	- 1
Q (m³/hrs.)	: v (m/hrs.) x A (m²)		7967.23	
Area (m²)	: Depth (m) x Width (m)		7.052	
Q (m³/hrs.)	: v (m/hrs.) x A (m²)		7108.42	
Area (m²)	: Depth (m) x Width (m)		6.528	
Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5640.19	
	it me & Coordinates surement surement  d  measured Parameter Width (meter) Depth (meter) Velocity (m/s) Velocity (m/hrs.)  of Flow Area (m²) Q (m³/hrs.)  Area (m²) Area (m²) Area (m²)	it : Vijay-II Iron Ore Mine me & Coordinates : Karo River Downstr : Surement : Open Channel Flow : 29 <sup>th</sup> November,2024  id : Flow Rate, Q (m³/hrs.)  is measured Parameter Value Width (meter)	it       : Vijay-II Iron Ore Mines         me & Coordinates       : Karo River Downstream (Near Final River Downstr	### & Coordinates   Staro River Downstream (Near Hanuman Mandir)

Remarks: - Average Discharge from Karo River Downstream near Hanuman Mandir is 6905.28 m³/hrs.

Chemist Sny

---End of Report----



Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

		-			
	Protocol	for Measurement of Flo	ow .		
Name of Unit		: Vijay-II Iron Ore Mine			
Location Name &	Coordinates	: Koina River Upstrea			
Type of measurer	ment	: Open Channel Flow			
Date of measurer	nent	: 29 <sup>th</sup> November,2024			
		2	0,		
Formula used		: Flow Rate, Q (m³/hrs.	) = Velocity, v (n	n/hrs.) x Area, A (m²)	
Parameters meas	ured				
	Parameter	Value	Value	Value	
	Width (meter)	17.3	18.4	17.6	
	Depth (meter)	0.31	0.29	0.28	
	Velocity (m/s)	0.21	0.24	0.26	
	Velocity (m/hrs.)	756	864	936	
Calculation of Flo	w				
2:45 P.M.	Area (m²)	: Depth (m) x Width (m	1)	5.363	
	Q (m³/hrs.)	: v (m/hrs.) x A (n	n²)	4054.43	
3:20 P.M.	Area (m²)	: Depth (m) x Width (m	)	5.336	
	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		4610.30	
2.55 0 14	Area (m²)	: Depth (m) x Width (m	)	4.928	
3:55 P.M.	Q (m <sup>3</sup> /hrs.)	: v (m/hrs.) x A (m²)		4612.61	

Remarks: - Average Discharge from Koina River Upstream is 4425.78 m<sup>3</sup>/hrs.

Chemist S my

----End of Report----



Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

#### Protocol for Measurement of Flow Name of Unit : Vijay-II Iron Ore Mines **Location Name & Coordinates** : Koina River Downstream Type of measurement : Open Channel Flow Date of measurement : 29th November, 2024 Formula used : Flow Rate, Q (m<sup>3</sup>/hrs.) = Velocity, v (m/hrs.) x Area, A (m<sup>2</sup>) Parameters measured **Parameter** Value Value Value Width (meter) 18.2 21.4 16.9 Depth (meter) 0.37 0.31 0.28 Velocity (m/s) 0.24 0.26 0.17 Velocity (m/hrs.) 864 936 612 Calculation of Flow Area (m2) : Depth (m) x Width (m) 6.734 3:10 P.M. Q (m3/hrs.) : v (m/hrs.) x A (m2) 5818.18 Area (m<sup>2</sup>) : Depth (m) x Width (m) 6.634 3:45 P.M. Q (m<sup>3</sup>/hrs.) : v (m/hrs.) x A (m<sup>2</sup>) 6209.42 Area (m2) : Depth (m) x Width (m) 4.732 4:25 P.M. Q (m3/hrs.) : v (m/hrs.) x A (m<sup>2</sup>) 2895.98

Remarks: - Average Discharge from Koina River Downstream is 4974.53 m<sup>3</sup>/hrs.

Chemist S

---End of Report----



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

PF-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 ■ Email: info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

	Protocol for I	Measurement of Flo	w	
Name of Unit		: Vijay-II Iron Ore Mines		
Location Name & C	Coordinates	: Karo River Upstream	Near Hati Chow	k)
Type of measurem	ent	: Open Channel Flow	* DOWN HOLDER HIS THE SERVICE OF THE SERVICE SHEET	2001 <b>2</b> 7.7
Date of measurem	ent	: 28 <sup>th</sup> January,2025		
Formula used : Flow Rate, Q (m³/hrs.) = Velocity, v (m²/hrs.)			Velocity, v (m/hrs	s.) x Area, A (m²)
Parameters measu	red			
	Parameter	Value	Value	Value
	Width (meter)	14.1	15.8	13.7
	Depth (meter)	0.54	0.46	0.52
	Velocity (m/s)	0.18	0.21	0.24
	Velocity (m/hrs.)	648	756	864
Calculation of Flow	<u>(</u> *			0.000.000.000
11:20 A.M.	Area (m²)	: Depth (m) x Width (m)		7.614
11.20 A.W.	Q (m³/hrs.)	: v (m/hrs.) x A (m <sup>2</sup> )		4933.87
42.25.5.4	Area (m²)	: Depth (m) x Width (m)		7.268
12:35 P.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5494.61
	Area (m²)	: Depth (m) x Width (m)		7.124
1:40 P.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6155.14

Remarks: - Average Discharge from Karo River Upstream Near Hati Chowk is 5527.87 m<sup>3</sup>/hrs

Chemist SB

----End of Report----



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 

+ 91 8045685558 
Email: info@anacon.in

https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

	Pre	otocol for Measur	ement of Flow		
Name of Uni	it	: Vijay-II Iron Ore M	lines		
Location Name & Coordinates		: Karo River Dowr	nstream (Near Ha	numan Mandir)	
Type of measurement		: Open Channel Flow			
Date of mea	surement	: 28 <sup>th</sup> January,2025			
Formula used		: Flow Rate, Q (m <sup>3</sup> /hrs.) = Velocity, v (m/hrs.) x Area, A (m <sup>2</sup> )			
Parameters	measured				
	Parameter	Value	Value	Value	
	Width (meter)	15.3	16.1	11.7	
	Depth (meter)	0.58	0.43	0.52	
	Velocity (m/s)	0.24	0.26	0.21	
	Velocity (m/hrs.)	864	936	756	
Calculation	of Flow			•	
11.55 A M	Area (m²)	: Depth (m) x Width	: Depth (m) x Width (m)		
11.55 A.W.	Q (m³/hrs.)	: v (m/hrs.) x A (m	n <sup>2</sup> )	7667.14	
12.50 D M	Area (m²)	: Depth (m) x Width	n (m)	6.923	
12.50 P.IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (n	n <sup>2</sup> )	6479.93	
2-25 D M	Area (m²)	: Depth (m) x Width	n (m)	6.084	
2.33 F.IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (m <sup>2</sup> )		4599.50	
1:55 A.M. 2:50 P.M. :35 P.M.	of Flow Area (m²) Q (m³/hrs.)  Area (m²) Q (m³/hrs.)  Area (m²)	: Depth (m) x Width : v (m/hrs.) x A (m : Depth (m) x Width : v (m/hrs.) x A (n : Depth (m) x Width	n (m) n (m) n (m) n (m) n (m)	8.874 <b>7667.14</b> 6.923 <b>6479.93</b> 6.084	

Remarks: - Average Discharge from Karo River Downstream near Hanuman Mandir is 6248.86 m3/hrs.

Chemist S B M

---End of Report----



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 ► + 91 8045685558 Email: info@anacon.in
 ♦ https://www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

	Protocol	for Measurement of Flo	ow	
Name of Unit		: Vijay-II Iron Ore Mine	es .	
Location Name &	Coordinates	: Koina River Upstrea	am	
Type of measuren	nent	: Open Channel Flow		
Date of measuren	nent	: 28 <sup>th</sup> January,2025		
		3.		
Formula used		: Flow Rate, Q (m³/hrs.	.) = Velocity, v (m	n/hrs.) x Area, A (m
5				
Parameters measured Parameter			, T	
		Value	Value	Value
	Width (meter)	16.8	17.6	18.2
	Depth (meter)	0.34	0.26	0.27
	Velocity (m/s)	0.23	0.21	0.24
	Velocity (m/hrs.)	828	756	864
Calculation of Flov	N			
3:25 P.M.	Area (m²)	: Depth (m) x Width (m	n)	5.712
25055 00000	Q (m³/hrs.)	: v (m/hrs.) x A (r	m²)	4729.54
4:10 D M	Area (m²)	: Depth (m) x Width (m	n)	4.576
4.10 P.IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (m <sup>2</sup> )		3459.46
A.EE D.M	Area (m²)	: Depth (m) x Width (m	n)	4.914
4:55 P.IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (m²		4245.70
3:25 P.M. 4:10 P.M. 4:55 P.M.	Velocity (m/hrs.)  Area (m²) Q (m³/hrs.)  Area (m²) Q (m³/hrs.)  Area (m²)	: Depth (m) x Width (m : v (m/hrs.) x A (r : Depth (m) x Width (m : v (m/hrs.) x A (m <sup>2</sup> ) : Depth (m) x Width (m	n) m²) n)	5.712 4729.54 4.576 3459.46 4.914

Remarks: - Average Discharge from Koina River Upstream is 4144.90 m³/hrs.

Chemist .

---End of Report----



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 \$\cdot + 91 8045685558 \$\overline{\text{E}} \text{ Email : info@anacon.in}\$

thtps: // www.anaconlaboratories.com

## Test Report

## Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

## **Protocol for Measurement of Flow**

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Koina River Downstream

Type of measurement

: Open Channel Flow

Date of measurement

: 28th January,2025

Formula used

: Flow Rate, Q (m<sup>3</sup>/hrs.) = Velocity, v (m/hrs.) x Area, A (m<sup>2</sup>)

#### Parameters measured

	Parameter	Value	Value	Value
	Width (meter)	17.9	21.7	18.4
	Depth (meter)	0.38	0.26	0.31
*//	Velocity (m/s)	0.21	0.24	0.19
	Velocity (m/hrs.)	756	864	684
Calculation of Flo	w			
3:50 P.M.	Area (m²)	: Depth (m) x Width	(m)	6.802
3:50 P.IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5142.31
4:40 P.M.	Area (m²)	: Depth (m) x Width	(m)	5.642
4:40 P.IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (m²	)	4874.69
5:20 P.M.	Area (m²)	: Depth (m) x Width	(m)	5.704
5.20 P.IVI.	Q (m <sup>3</sup> /hrs.)	: v (m/hrs.) x A (m <sup>2</sup>	)	3901.54

Remarks: - Average Discharge from Koina River Downstream is 4639.51 m<sup>3</sup>/hrs.

Chemist S 13 4.

---End of Report----



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

## Test Report

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

Destant		Management of Flavor	
Protocol	TOF	Measurement of Flow	

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Karo River Upstream (Near Hati Chowk)

Type of measurement

: Open Channel Flow

Date of measurement

: 28<sup>nd</sup> March,2025

Formula used

: Flow Rate, Q (m3/hrs.) = Velocity, v (m/hrs.) x Area, A (m2)

Parameters measured

raiameters measure	au .			
	Parameter	Value	Value	Value
	Width (meter)	14.1	16.3	12.6
	Depth (meter)	0.54	0.48	0.53
	Velocity (m/s)	0.24	0.19	0.26
	Velocity (m/hrs.)	864	684	936
Calculation of Flow				
11:30 A.M.	Area (m²)	: Depth (m) x Width (m)		7.614
11.00 /	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6578.50
40.45.5.14	Area (m²)	: Depth (m) x Width (m)		7.824
12:45 P.M.	Q (m³/hrs.)	: v (m/hrs.) x A (m <sup>2</sup> )		5153.62
	Area (m²)	Double (m) w Midth (m)		6.678
1:50 P.M.		: Depth (m) x Width (m)		0.070
DESCRIPTION OF THE PROPERTY OF	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6250.61
I				

Remarks: - Average Discharge from Karo River Upstream Near Hati Chowk is 6060.24 m<sup>3</sup>/hrs

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

e Chinmay Garwey
pager Deputy Quality Manager

Authorized Signatory

----End of Report----



Anacon Laboratories Pvt. Ltd. Nagpur Lab

## Test Report

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

					_
Protocol	for N	leasurement	nf	Flore	

Name of Unit

: Vijay-II Iron Ore Mines

Location Name & Coordinates

: Karo River Downstream (Near Hanuman Mandir)

Type of measurement

: Open Channel Flow

Date of measurement

: 28<sup>nd</sup> March,2025

Formula used

: Flow Rate, Q (m3/hrs.) = Velocity, v (m/hrs.) x Area, A (m2)

#### Parameters measured

i arameters in	casarea				
	Parameter	Value	Value	Value	
	Width (meter)	15.3	16.1	13.1	
	Depth (meter)	0.58	0.48	0.52	
	Velocity (m/s)	0.24	0.21	0.26	
	Velocity (m/hrs.)	864	756	936	
Calculation of	Flow				
11:50 A.M.	Area (m²)	: Depth (m) x Width (m)		8.874	
7	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		7667.14	
1:30 P.M.	Area (m²)	: Depth (m) x Width (m)		7.728	
1.00 1	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5842.37	
2:10 P.M.	Area (m²)	: Depth (m) x Width (m)		6.812	
E. TOT IVI.	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		6376.03	

Remarks: - Average Discharge from Karo River Downstream near Hanuman Mandir is 6628.51 m³/hrs.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chimnay Garway Ceputy Quality Manager



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

QFP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India-441 122 +91 8045685558 ≥ Email: info@anacon.in https://www.anaconlaboratories.com

## Test Report

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

Protocol	for	Measurement	of	Flow

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Koina River Upstream

Type of measurement

: Open Channel Flow

Date of measurement

: 28<sup>nd</sup> March,2025

Formula used

: Flow Rate, Q (m3/hrs.) = Velocity, v (m/hrs.) x Area, A (m2)

Parameters measured

	Parameter	Value	Value	Value
	Width (meter)	16.2	17.1	18.3
	Depth (meter)	0.34	0.27	0.31
	Velocity (m/s) Velocity (m/hrs.)	0.21 <b>756</b>	0.16 <b>576</b>	0.24 864
ation of E	Flour			

Calculation of Flow

2:50 P.M. Area (m2) Depth (m) x Width (m)

5.508 4164.05

Q (m3/hrs.)

: v (m/hrs.) x A (m2)

3:20P.M.

Area (m2) Q (m3/hrs.) : Depth (m) x Width (m)

4.617 2659.39

Area (m2)

: Depth (m) x Width (m)

5.673

4:15 P.M.

Q (m3/hrs.)

: v (m/hrs.) x A (m2)

: v (m/hrs.) x A (m2)

4901.47

Remarks: - Average Discharge from Koina River Upstream is 3908.30 m³/hrs.

Verified by

Snehal Raut Technical Manager

Pooja Kathane Technical Manager Chinmay Garwa

Deputy Quality Manager

Authorized Signatory

---End of Report----



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥FP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India-441 122
 +91 8045685558 
 Email: info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

Protocol for	Measurement	of Flow
--------------	-------------	---------

Name of Unit

: Vijay-II Iron Ore Mines

**Location Name & Coordinates** 

: Koina River Downstream

Type of measurement

: Open Channel Flow

Date of measurement

: 28<sup>nd</sup> March,2025

Formula used

: Flow Rate, Q (m3/hrs.) = Velocity, v (m/hrs.) x Area, A (m2)

Parameters measured

Parameters measured				
	Parameter	Value	Value	Value
	Width (meter)	18.1	22.4	18.7
	Depth (meter)	0.34	0.27	0.31
	Velocity (m/s) Velocity (m/hrs.)	0.26 936	0.24 864	0.18 648
Calculation of Flow				
3:10P.M.	Area (m²)	: Depth (m) x Width (m)		6.154
2000	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5760.14
3:45 P.M.	Area (m²)	: Depth (m) x Width (m)		6.048
0.401	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		5225.47
4:55 P.M.	Area (m²)	: Depth (m) x Width (m)		5.797
4.00 1	Q (m³/hrs.)	: v (m/hrs.) x A (m²)		3756.46

Remarks: - Average Discharge from Koina River Downstream is 4914.02 m3/hrs.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email: info@anacon.in
 https://www.anaconlaboratories.com

# Test Report

Verified by S N

--End of Repor

3 22/02/2025	2 22/02/2025	1 22/02/2025	SI. No. Date of Measurement
			surement
Well Near Bokna Village	Well Near Baraiburu Village	Well Near Baihatu Village	Location
5.18	6.7	7.62	Water level Below Ground Level (In meter)

Vijay II Iron Ore Mines
M/s TATA Steel Limited
Badajamda-833 221.

Ground Water Table Measurement

Chipmay Garway Deputy Quality Maya



4

23/11

S

23/11

### Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

Measu

23/11

23/11

Vijay II Iron Ore Mines
M/s TATA Steel Limited
Badajamda-833 221.

ound Water Table Measure

# Ground Water Table Measurement November-2024

te of rement	Location	Water level Below Ground Level (In meter)
1/2024	1/2024 Well Near Baihatu Village	2.1
1/2024	Well Near Baraiburu Village	2.8
1/2024	1/2024 Well Near Gua Village	1.9
[/2024	1/2024 Well Near Bokna Village	2.4

Verified by SM

----End of Report----

Debuty Quality Manager

Thinmay Garway

Authorized Signatory

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback anacon.in.







TC-12998

## Test Report

ULR No.- TC129982400002269F

Test Report No.: ALPL/02122024/7-17A dated 02/12/2024 Page 1 of 2

Issued To:	Sample Inward No.	ALPL/25112024/N	10N-91-W-7/4-1	Analysis Start	25/11/2024
Vijay II Iron Ore Mines	Inward Date	25/11/2024		Analysis End	02/12/2024
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.0	5.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Received 5.0 Ltr & 250 ml	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Location Gua Village	

#### TEST RESULTS

S.N.	Test Parameter	Test Parameter Measurement Unit	Test Method	Requirer IS 105 (Drinking Wat Including An	Test Result		
				Acceptable Limit	Permissible Limit #		
I	Discipline : Chemical		Group : Water	Material or	Product tested: Dr	rinking water	
1	Total Alkalinity (as Calcium Carbonate)	mg/l	· IS 3025 (Part 23)	200	600	167,21	
2	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)	
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	1	
4	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)	
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	32.57	
6	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	48.61	
7 -	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)	
8	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	0.21	
9	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	13.58	
10	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	4.73	
11	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable	
12	pH value	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.92	
13	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)	
14	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	7.36	
15	Taste		IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable	
16	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	462	
17	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1	
18	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	. 178	

☐ Please refer last Page for Note and Remarks.

Verified By

Technical Manager

Signatory

Technical Manager

**Authorized Signatory** 

Garway uty Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.







TC-12998

## Test Report

TIT D AT TOTOGOGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	
ULR No TC12998240000226	LI BH

4/7-17A	dated 02/12/2024		Page	2 of 2
Sample Inward No.	ALPL/25112024/N	MON-91-W-7/4-1	Analysis Start	25/11/2024
Inward Date	25/11/2024		Analysis End	02/12/2024
Work Order No.	4700126596/962-30.0	05.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking		
Sampling Date 23/11/2024	Sampling Time 11.50 am to 4.15 pm		Sampling Location Gua Village	
	Sample Inward No. Inward Date Work Order No.  Sample Source Borewell Sampling Date	Sample Inward No. Inward Date 25/11/2024 Work Order No. 4700126596/962-30.0  Sample Source Sample Condition Borewell Sealed & Ice Preserved Sampling Date Samplin	Sample Inward No. Inward Date Work Order No.  Sample Source Borewell Sampling Date Sampling Date  ALPL/25112024/MON-91-W-7/4-1 25/11/2024 4700126596/962-30.05.2024  Purpose of Analysis Drinking Sampling Time	Sample Inward No. ALPL/25112024/MON-91-W-7/4-1 Analysis Start Inward Date 25/11/2024 Analysis End Work Order No. 4700126596/962-30.05.2024 Report Issue Date Sample Category  Sample Source Sample Condition Purpose of Analysis Quantity Report Issue Date Source Borewell Scaled & Ice Preserved Drinking 5.0 Ltr & 25  Sampling Date Sampling Time Sampling Lo

IESI	LED	UL	13
			T
			1

S.N.	Test Parameter	Measurement Unit	Test Method	IS 10: (Drinking Wa	ment as per 500 : 2012 ter Specifications) mendment No. 4	Test Result
				Acceptable Limit	Permissible Limit#	
II	Discipline : Chemical	Group : I	Residues contaminant	s in water Materia	l or Product tested: Drinkin	g water
19	Pesticide Residues Organochlorine					•
i	Alpha-HCH	μg/Ι	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	μg/I	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
v	Alachlor	μg/I	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	μg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
х	o,p'-DDE	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLO (LOQ-0.03)
xi	p,p'-DDD	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xii	o,p'-DDD	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p'- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiv	p,p'- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
XV	Monocrotophos	µg/I	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	µg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
cviii	Paraoxon methyl	µg/l	ANtr/7.2/RES/01		-	BLQ (LOQ-0.03)
xix	Malathion	μg/]	ANtr/7.2/RES/01	190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	µg/I	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
xxi	Ethion	μg/l	ANtr/7.2/RES/01	3	No relaxation	BLQ (LOO-0.03)
xxii	Chlorpyrifos	μg/1	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
	Phorate		7.00		130 Iomandon	DEQ (E0Q-0.03)
exiii	Phorate-sulfone	μg/l	ANtr/7.2/RES/01	2	No relaxation	DIO // OO 2 223
	Phorate-sulfoxide	- rs	CHARLES TO LEGISTE	2	No relaxation	BLQ (LOQ-0.03)

NOTE: Please see watermark "Original Test Report" to confirm the authenticity of this report, Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Liability of Anacon Labs is limited to invoiced amount only.

Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise.

Permissible limit in absence of an alternate source for drinking water.

"mg/l" is equivalent to 'ppm'.

Antr/1.2/RES/06, Antr/1.2/RES/03 - Inhouse validated method

BLQ= below limit of quantification, LOQ= limit of quantification.

Sampling

Method-Antd/1.2/MON-01 © Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/1.8/05).

Pt Value was measured

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

Authorized Signatory

Pooja Kathane Technical Manager

Farway hinmay Denuty Quality Manager

--End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 \$\cdot + 91 8045685558 \$\textit{\omega} \text{ Email: info@anacon.in}\$

thttps://www.anaconlaboratories.com

Test Report

Test Report No.: ALPL/02122024	4/7-17B	dated 02/12/2024		Page	1 of 1
Issued To: Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No. Inward Date Work Order No.	ALPL/25112024/N 25/11/2024 4700126596/962-30.0		Tananyon o amir	25/11/2024 02/12/2024 02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Rec 5.0 Ltr & 250	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Location Gua Village	

TEST RESULTS

			IESI KESULIS			
s.n.	Test Parameter	Test Parameter Measurement Unit		IS 105 (Drinking Wat	Requirement as per IS 10500: 2012 (Drinking Water Specifications) Including Amendment No. 4	
				Acceptable Limit	Permissible Limit #	
I	Discipline : Biological		Group : Water	Mate	rial or Product tested:	Drinking water
1	Escherichia coli	Per 100 ml	IS 15185	Absent	Absent	Absent
II	Discipline : Chemical	Group : Res	idues and contaminants in w	ater Mater	ial or Product tested:	Drinking water
2	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
3	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
4	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
5	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
6	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
7	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
8	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.26
9.	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
10	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
11	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
12	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
13	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
14	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
15	Polynuclear aromatic hydrocarbon (PAH)	μg/I	ANtr/7,2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
III	Discipline : Chemical	Group : Residues	and contaminants in water	Mate	erial or Product tested	: Drinking water
16	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • 'mg/l' is equivalent to 'ppm'. • 'µg/l' is equivalent to 'ppb'. • BLQ= below limit of quantification, LOQ= limit of quantification. • ANtr/7.2/RES-03, ANtr/7.2/RES/06: Inhouse validated method. • Sampling Method-ANtd/7.2/MON-01 • Environmental condition – Satisfactory & Clear.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradnya Pillewan Deputy Technical Manager Authorized Signatories

Pooja Kathane Technical Manager

ne Chinmay Garway ager Deputy Quality Manager

---End of Report----







TC-12998

## Test Report

ULR No.- TC129982400002270F

Test Report No.: ALPL/0212202	4/7-18A	dated 02/12/2024		Page	1 of 2
Issued To:	Sample Inward No.	ALPL/25112024/N	MON-91-W-7/4-2	Analysis Start	25/11/2024
Vijay II Iron Ore Mines	FATA Steel Limited Work Order No. 4700126596/962-30 05 2024		Analysis End	02/12/2024	
M/s TATA Steel Limited Badajamda-833 221.			Report Issue Date Sample Category	02/12/2024 Water	
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re 5.0 Ltr & 2:	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Lo Baraiburu V	

TEST RESULTS

s.n.	Test Parameter	Test Parameter Mea	Test Parameter Measurement Unit Test Metho		Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
×				Acceptable Limit	Permissible Limit #		
I	Discipline : Chemical		Group : Water	Material or	Product tested: Dr	rinking water	
1	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	176.82	
2	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)	
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	1	
4	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)	
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	26.41	
6	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	51.93	
7	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)	
8	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	0.17	
9	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	12.81	
10	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	6.92	
11	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable	
12	pH value		IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.21	
13	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)	
14	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	6.82	
15	Taste	- 417	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable	
16	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	452	
17	Turbidity	NTU	IS 3025 : (Part 10)	1	5	1	
18	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	182	

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane

Technical Manager

**Authorized Signatory** 

Chinmay Garway Deputy Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002270F

Test Report No.: ALPL/0212202	4/7-18A	dated 02/12/2024		Page	2 of 2
Issued To:	Sample Inward No.	ALPL/25112024/N	ION-91-W-7/4-2	Analysis Start	25/11/2024
Vijay II Iron Ore Mines	Inward Date	25/11/2024		Analysis End	02/12/2024
M/s TATA Steel Limited Badajamda-833 221.	Work Order No. 4700126596/962-30.05.2024			Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re 5.0 Ltr & 25	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Lo Baraiburu V	

TO COM	m	TOO	TW	-	no
EST	к	ESI	U		3

S.N.	Test Parameter	Measurement Unit	Test Method	(Di	IS 105 rinking Wat	ment as per 00 : 2012 er Specifications) nendment No. 4	Test Result
				Acceptable	e Limit	Permissible Limit #	
II	Discipline : Chemical	Group : I	Residues contaminar	its in water	Material	or Product tested: Drinkin	g water
19	Pesticide Residues Organochlorine				APRIL V		8 // 11111
i	Alpha-HCH	µg/l	ANtr/7.2/RES/01		0.01	No relaxation	BLQ (LOQ-0.01)
li	Beta HCH	µg/l	ANtr/7.2/RES/01		0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	μg/l	ANtr/7.2/RES/01	199	2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	μg/l	ANtr/7.2/RES/01	THE RESERVE	0.04	No relaxation	BLQ (LOQ-0.03)
v	Alachlor	μα/Ι	ANtr/7.2/RES/01	7 - 1000	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	μg/l	ANtr/7.2/RES/01	de Va	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	μg/l	ANtr/7.2/RES/01		0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	μg/l	ANtr/7.2/RES/01	T05.	125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
x	o,p'-DDE	µg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xi	p,p'-DDD	μg/l	ANtr/7.2/RES/01	7	1	No relaxation	BLQ (LOQ-0.03)
xii	o,p'-DDD	μg/l	ANtr/7,2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p'- DDT	μg/l	ANtr/7,2/RES/01	- N. T.	1'	No relaxation	BLQ (LOQ-0.03)
xiv	p,p'- DDT	µg/l	ANtr/7.2/RES/01	- W. C.	1	No relaxation	BLQ (LOQ-0.03)
xv	Monocrotophos	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	μg/l	ANtr/7.2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	μg/l	ANtr/7,2/RES/01		0.3	No relaxation	BLQ (LOQ-0.03)
xviii	Paraoxon methyl	μg/l	ANtr/7,2/RES/01			- TO THINKIED	BLO (LOO-0.03)
xix	Malathion	µg/l	ANtr/7.2/RES/01		190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	μg/l	ANtr/7.2/RES/01		-		BLQ (LOQ-0.03)
xxi	Ethion	μg/l	ANtr/7.2/RES/01		3	No relaxation	BLQ (LOQ-0.03)
xxii	Chlorpyrifos	μg/l	ANtr/7.2/RES/01		30	No relaxation	BLQ (LOQ-0.03)
	Phorate						DDQ (E0Q-0.05)
xxiii	Phorate-sulfone	μg/1	ANtr/7.2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfoxide	The state of the s	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		in a	140 Icidadion	DEQ (EUQ-0.03)

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only.
• Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • "mg/l" is equivalent to 'ppm'. • 'µg/l' is equivalent to 'ppb'. • ANtr/7.2/RES/01, ANtr/7.2/RES/03 - Inhouse validated method • BLQ= below limit of quantification, LOQ= limit of quantification. • Sampling Method-ANtd/7.2/MON-01 • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). • pH Value was measured

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

**Authorized Signatory** 

arway

Manager

hinmay

Pooja Kathane

Technical Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email: info@anacon.in
 https://www.anaconlaboratories.com

Test Report

Test Report No.: ALPL/02122024	4/7-18B	dated 02/12/2024		Page	1 of 1
Issued To:	Sample Inward No.	ALPL/25112024/MON-91-W-7/4-2 25/11/2024		Analysis Start	25/11/2024
Vijay II Iron Ore Mines	Inward Date			Analysis End	02/12/2024
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.0	5.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re 5.0 Ltr & 2	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Lo Baraiburu \	

TEST RESULTS

			TEST RESULTS			
S.N.	Test Parameter	Requirement as per IS 10500 : 2012 (Drinking Water Specification Including Amendment No. 4 Acceptable Limit  Requirement as per IS 10500 : 2012 (Drinking Water Specification Including Amendment No. 4 Limit #		on : 2012 er Specifications) endment No. 4 Permissible	Test Result	
I	Discipline : Biological		Group : Water		ial or Product tested:	Drinking water
1	Escherichia coli	Per 100 ml	IS 15185	Absent	Absent	Absent
П	Discipline : Chemical	Group : Res	sidues and contaminants in wa	ter Materi	al or Product tested:	Drinking water
2	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
3	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
4	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
5	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2,4	BLQ (LOQ-0.02)
6	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
7	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
8	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.21
9	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
10	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
11	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
12	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
13	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
14	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
15	Polynuclear aromatic hydrocarbon (PAH)	µg/I	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
Ш	Discipline : Chemical	Group: Residues	and contaminants in water	Mate	rial or Product tested	: Drinking water
16	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • 'mg/l' is equivalent to 'ppm'. • 'µg/l' is equivalent to 'ppb'. • BLQ= below limit of quantification, LOQ= limit of quantification. • ANtr/7.2/RES -03, ANtr/7.2/RES/06: Inhouse validated method. • Sampling Method-ANtd/7.2/MON-01 • Environmental condition - Satisfactory &

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

" und

Deputy Technical Manager

Authorized Signatories

Pooja Kathane Technical Manager Chinmay Garway Deputy Quality Manager

---End of Report----







TC-12998

## Test Report

ULR No.- TC129982400002271F

Test Report No.: ALPL/0212202	4/7-19A	dated 02/12/2024		Page	1 of 2
Issued To:	Sample Inward No.	ALPL/25112024/N	ION-91-W-7/4-3	Analysis Start	25/11/2024
Vijay II Iron Ore Mines M/s TATA Steel Limited	Inward Date	25/11/2024		Analysis End	02/12/2024
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.0	05.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re 5.0 Ltr & 25	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Samplin 11.50 am to		Sampling Lo Baihatu Vi	

#### TEST RESULTS

s.N.	Test Parameter	Test Parameter Measurement Unit		Test Method	Requirer IS 105 (Drinking Wat Including An	Test Result
	15	147		Acceptable Limit	Permissible Limit #	
I	Discipline : Chemical		Group : Water	Material or	Product tested: Dr	inking water
1	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	181.27
2	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	1
4	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	23.81
6	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	46.67
7	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0,2	1	BLQ (LOQ-0.1)
8	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	0.17
9	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	- 13.76
10	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	5.93
11	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
12	pH value	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.87
13	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
14	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	7.64
15	Taste	- 933	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
16	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	462
17	Turbidity	NTU	IS 3025 : (Part 10)	1	5	1
18	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	174

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

Chiranay Carway eputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







TC-12998

## Test Report

ULR No.- TC129982400002271F

Test Report No.: ALPL/02122024/7-19A dated 02/12/2024 Page 2 of 2 Issued To: Sample Inward No. ALPL/25112024/MON-91-W-7/4-3 **Analysis Start** 25/11/2024 Vijay II Iron Ore Mines **Inward Date** 25/11/2024 Analysis End 02/12/2024 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Report Issue Date 02/12/2024 Badajamda-833 221. Sample Category Water Sample Name Sample Source Sample Condition Purpose of Analysis Quantity Received Ground Water Borewell Sealed & Ice Preserved Drinking 5.0 Ltr & 250 ml Sampled by Sampling Date Sampling Time Sampling Location Anacon Representative Mr. Rasel Khan 23/11/2024 11.50 am to 4.15 pm Baihatu Village

			TEST RESULT	S			
S.N.	Test Parameter	Measurement Unit	Test Method		IS 105 rinking Wat	ment as per 00 : 2012 er Specifications) nendment No. 4	Test Result
				Acceptab	le Limit	Permissible Limit #	
II	Discipline : Chemical	Group:	Residues contaminan	ts in water	Material	or Product tested: Drinkin	g water
19	Pesticide Residues Organochlorine				05/10		
i	Alpha-HCH	μg/l	ANtr/7.2/RES/01		0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	не/1	ANtr/7.2/RES/01		0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	μg/l	ANtr/7.2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	μg/I	ANtr/7.2/RES/01	1	0.04	No relaxation	BLQ (LOQ-0.03)
v	Alachlor	це/1	ANtr/7.2/RES/01	70.00	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	µg/I	ANtr/7.2/RES/01	4 755	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	дд/І	ANtr/7.2/RES/01	Maria Cara	0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	ия/1	ANtr/7.2/RES/01		125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	ци/1	ANtr/7.2/RES/01	. 0	1	No relaxation	BLQ (LOQ-0.03)
x	o,p'-DDE	μg/I	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xi	p,p'-DDD	µg/l	ANtr/7.2/RES/01	7	1	No relaxation	BLQ (LOQ-0.03)
xii	o,p'-DDD	μg/I	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p'- DDT	μg/I	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xiv	p,p'- DDT	μg/l	ANtr/7,2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
XV	Monocrotophos	μg/I	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	µg/I	ANtr/7,2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	μg/l	ANtr/7.2/RES/01		0.3	No relaxation	BLQ (LOQ-0.03)
cviii	Paraoxon methyl	µg/l	ANtr/7,2/RES/01		-		BLQ (LOQ-0.03)
xix	Malathion	µg/l	ANtr/7.2/RES/01		190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	µg/l	ANtr/7,2/RES/01		-	1.0 1.00.00	BLQ (LOQ-0.03)
xxi	Ethion	µg/l	ANtr/7.2/RES/01		3	No relaxation	BLQ (LOQ-0.03)
xxii	Chlorpyrifos	μg/1	ANtr/7.2/RES/01		30	No relaxation	BLQ (LOQ-0.03)
	Phorate					1.5.1.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	222 (200,03)
xxiii	Phorate-sulfone	μg/l	ANtr/7.2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfoxide				(F)	1.0.1.	200 (DU V-0.03)

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only.
• Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • 'mg/l' is equivalent to 'ppm'. • 'µg/l' is equivalent to 'ppb'. • ANtr/7.2/RES/06, ANtr/7.2/RES/03 - Inhouse validated method • BLQ= below limit of quantification, LOQ= limit of quantification. • Sampling Method-ANtd/7.2/MON-01 • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). • pH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

**Authorized Signatory** 

Pooja Kathane Technical Manager

chinmay Garway
Deputy Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.



## Anacon Laboratories Pvt. Ltd. Nagpur Lab

## Test Report

Test Report No.: ALPL/0212202	4/7-19B	dated 02/12/2024		Page	e 1 of 1
Issued To:	Sample Inward No.	ALPL/25112024/N	ION-91-W-7/4-3	Analysis Start	25/11/2024
Vijay II Iron Ore Mines	Inward Date	25/11/2024		Analysis End	02/12/2024
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.0	5.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re 5.0 Ltr & 25	
Sampled by Sampling Date Anacon Representative Mr. Rasel Khan 23/11/2024			Sampling Time Samplir 11.50 am to 4.15 pm Baihat		
	***	TEST RESULTS			
				A CONTRACTOR OF THE PARTY OF TH	

			TEST RESULTS					
S.N.	Test Parameter	Test Parameter Measurement Unit		Test Method	IS 105 (Drinking Wat	Requirement as per IS 10500: 2012 (Drinking Water Specifications) Including Amendment No. 4		
				Acceptable Limit	Permissible Limit #			
I	Discipline: Biological		Group : Water	Mater	rial or Product tested:	Drinking water		
1	Escherichia coli	Per 100 ml	IS 15185	Absent	Absent	Absent		
II	Discipline : Chemical	Group: Res	idues and contaminants in v	water Mater	ial or Product tested:	Drinking water		
2	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)		
3	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)		
4	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)		
5	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)		
6	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)		
7	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)		
8	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17		
9	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)		
10	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)		
11	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)		
12	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)		
13	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)		
14	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)		
15	Polynuclear aromatic hydrocarbon (PAH)	μg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)		
III	Discipline : Chemical	Group : Residues a	and contaminants in water	Mate	rial or Product tested	: Drinking water		
16	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)		

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • 'mg/l' is equivalent to 'ppm'. • 'µg/l' is equivalent to 'ppb'. • BLQ= below limit of quantification. • ANtr/7.2/RES -03, ANtr/7.2/RES/06: Inhouse validated method. • Sampling Method-ANtd/7.2/MON-01 • Environmental condition - Satisfactory & Clear.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradhya Pillewan Deputy Technical Manager Authorized Signatories

Pooja Kathane Technical Manager Chinmay Garway Deputy Quality Manager

----End of Report----







TC-12998

## Test Report

ULR No.- TC129982400002272F

Test Report No.: ALPL/0212202	4/7-20A	dated 02/12/2024		Page	e 1 of 2
Issued To:	Sample Inward No.	ALPL/25112024/N	ION-91-W-7/4-4	Analysis Start	25/11/2024
Vijay II Iron Ore Mines M/s TATA Steel Limited	Inward Date	Analysis End	02/12/2024		
Badajamda-833 221.	Work Order No.	4700126596/962-30.0	05.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re- 5.0 Ltr & 25	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Lo Bichaikiri V	

TEST RESULTS

S.N.	Test Parameter	Test Parameter Measurement Unit		Test Method	Requirer IS 105 (Drinking Wat Including An	Test Result	
				Acceptable Limit	Permissible Limit #		
I	Discipline : Chemical		Group: Water	Material or	Product tested: Dr	inking water	
1	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	172.31	
2	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)	
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	1	
4	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)	
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	26.57	
6	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	51.92	
7	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)	
8	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	0.24	
9	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	14.32	
10	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	6.82	
11	Odour		IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable	
12	pH value	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.31	
13	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)	
14	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	8.29	
15	Taste	- 60.7	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable	
16	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	457	
17	Turbidity	NTU	IS 3025 : (Part 10)	1	5	1	
18	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	188	

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager Authorized Signatory

Chinmay Garway eputy Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002272F

T ... D ..... N . . A I DI /00100004/7 00

Test Report No. : ALPL/02122024	4/7-20A	dated 02/12/2024		Page	2 of 2
Issued To:	Sample Inward No.	ALPL/25112024/N	MON-91-W-7/4-4	Analysis Start	25/11/2024
Vijay II Iron Ore Mines	Inward Date	25/11/2024		Analysis End	02/12/2024
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.0	05.2024	Report Issue Date Sample Category	02/12/2024 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Re 5.0 Ltr & 25	
Sampled by Anacon Representative Mr. Rasel Khan	Sampling Date 23/11/2024	Sampling 11.50 am to		Sampling Lo Bichaikiri V	

S.N.	Test Parameter	Measurement Unit	·Test Method		IS 105 rinking Wat	ment as per 00 : 2012 er Specifications) nendment No. 4	Test Result
**				Acceptabl		Permissible Limit #	
II	Discipline : Chemical	Group: I	Residues contaminan	ts in water	Material	or Product tested: Drinkin	g water
19	Pesticide Residues Organochlorine				AUTHER TO		
i	Alpha-HCH	µg/l	ANtr/7.2/RES/01		0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	µg/l	ANtr/7.2/RES/01	-	0.04	No relaxation	BLO (LOO-0.03)
iii	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	μg/l	ANtr/7.2/RES/01	1000	0.04	No relaxation	BLQ (LOQ-0.03)
v	Alachlor	μg/l	ANtr/7.2/RES/01	The street	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	μg/l	ANtr/7.2/RES/01	25 900	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	μg/l	ANtr/7.2/RES/01		0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	μg/l	ANtr/7.2/RES/01		125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
x	o,p'-DDE	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xi	p,p'-DDD	μg/I	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xii	o,p'-DDD	µg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p'- DDT	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xiv	p,p'- DDT	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
XV	Monocrotophos	μg/l	ANtr/7.2/RES/01		1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	μg/l	ANtr/7.2/RES/01		2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	μg/l	ANtr/7.2/RES/01		0.3	No relaxation	BLQ (LOQ-0.03)
xviii	Paraoxon methyl	µg/l	ANtr/7.2/RES/01				BLQ (LOQ-0.03)
xix	Malathion	µg/l	ANtr/7.2/RES/01		190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	µg/l	ANtr/7.2/RES/01				BLQ (LOQ-0.03)
xxi	Ethion	µg/l	ANtr/7.2/RES/01	-	3	No relaxation	BLQ (LOQ-0.03)
xxii	Chlorpyrifos	µg/l	ANtr/7.2/RES/01		30	No relaxation	BLQ (LOQ-0.03)
	Phorate					110 IMBABION	DLQ (LOQ=0,03)
xxiii	Phorate-sulfone	µg/1	ANtr/7.2/RES/01		2	No relaxation	DLO GOO A ASS
	Phorate-sulfoxide		MINITEDIVI	2	No relaxation	BLQ (LOQ-0.03)	

NOTE: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Liability of Anacon Labs is limited to invoiced amount only. Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. #Permissible limit in absence of an alternate source for drinking water. "mg/l" is equivalent to "ppm". Antr/7.2/RES/01, Antr/7.2/RES/03 - Inhouse validated method BLQ= below limit of quantification, LOQ= limit of quantification. Sampling Method-Antd/7.2/MON-01 Environmental condition - Satisfactory & Clear. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). Ph Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

**Authorized Signatory** 

Pooja Kathane Technical Manager

Athane Chinmay Garway
Manager Reputy Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.



Sampled by

Anacon Representative Mr. Rasel Khan

# Anacon Laboratories

Sampling Date

23/11/2024

#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 ► + 91 8045685558 Email: info@anacon.in
 https://www.anaconlaboratories.com

Sampling Location

Bichaikiri Village

Test Report

7/-20B	dated 02/12/2024		Page	1 of 1
Sample Inward No.	ALPL/25112024/N	ION-91-W-7/4-4	Analysis Start	25/11/2024
ron Ore Mines Inward Date 25/11/2024			Analysis End	02/12/2024
Work Order No.	4700126596/962-30.0	5.2024	Report Issue Date * Sample Category	02/12/2024 Water
Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Rec 5.0 Ltr & 25	
	Sample Inward No. Inward Date Work Order No. Sample Source	Sample Inward No.         ALPL/25112024/N           Inward Date         25/11/2024           Work Order No.         4700126596/962-30.0           Sample Source         Sample Condition	Sample Inward No.         ALPL/25112024/MON-91-W-7/4-4           Inward Date         25/11/2024           Work Order No.         4700126596/962-30.05.2024           Sample Source         Sample Condition         Purpose of Analysis	Sample Inward No. ALPL/25112024/MON-91-W-7/4-4 Analysis Start  Inward Date 25/11/2024 Analysis End  Work Order No. 4700126596/962-30.05.2024 Report Issue Date Sample Category  Sample Source Sample Condition Purpose of Analysis Quantity Rec

TEST RESULTS

Sampling Time

11.50 am to 4.15 pm

			TEST RESULTS			
S.N.	Test Parameter	Test Parameter  Measurement Unit  Test Method Including Acceptal		Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4 Acceptable Permissible		Test Result
1	Discipline : Biological		Group : Water	Limit Mater	Limit # rial or Product tested:	Drinking water
1	Escherichia coli	Per 100 ml	IS 15185	Absent	Absent	Absent
II	Discipline : Chemical		sidues and contaminants in wat		ial or Product tested:	
2	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
3	Aluminium (as AI)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
4	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
5	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
6	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
7	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
8	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.16
9	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
10	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
11	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
12	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
13	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
14	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
15	Polynuclear aromatic hydrocarbon (PAH)	μg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
Ш	Discipline : Chemical	Group : Residues	and contaminants in water	Mate	rial or Product tested	Drinking water
16	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)

NOTE: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Liability of Anacon Labs is limited to invoiced amount only. Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. #Permissible limit in absence of an alternate source for drinking water. "mg/l" is equivalent to 'ppm". "mg/l" is equivalent to 'ppb". BLQ= below limit of quantification, LOQ= limit of quantification. ANtr/7.2/RES -03, ANtr/7.2/RES/06: Inhouse validated method. Sampling Method-ANtd/7.2/MON-01 Environmental condition - Satisfactory & Clear.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Pradriya Pillewan Deputy Technical Manager Authorized Signatories

Pooja Kathane Technical Manager Phinmay Garway Deputy Quality Manager

---End of Report----







## Test Report

ULR NoTC129982500001132F				_	
Test Report No. : ALPL/03032025/7-	35A	dated 03/03/2025		Page	1 of 4
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	4-27	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited	14-50-500-01 (000 MC01000)			Report Issue Date	03/03/2025
Badajamda-833 221.	Work Order No.	4700126596/962-30	.05.2024		
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Red	eived
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 25	0 ml
Sampled by	Sampling Date	Sampling	g Time	Sampling Location	
Anacon Representative Mr. Biplab Giri as per Sampling Method No ANtd/7.2/MON-01	22/02/2025	2.30 pm to 4.00 pm		Gua Village	

	No.ANtd/7.2/MON-01					
			TEST RESULTS			
S.N.	Test Parameter	Measurement Unit	Test Method	IS 105 (Drinking Wate Including Am Acceptable		
			0	Limit	Limit #	
1	Discipline : Biological	2.2	Group : Water			
1	Escherichia coli	Per 100 ml	IS: 15185	Absent	Absent	Absent
II	Discipline : Chemical		Group : Water			
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	173.91
3	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	0.2	1.0	BLQ (LOQ-0.01)
4	Colour	Hazen	IS 3025 (Part 4) Clause 4	5	15	1
5	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	32.64
7	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	52.81
8	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
9	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.0	1.5	0.16
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	12.94
11	Nitrate (as NO₃)	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	45	No relaxation	7.63
12	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
13	рН		IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.72
14	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
15	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	21.43
16	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
17	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	462
18	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
19	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	184

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Technical-Manager

Chinmay Gan ity Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.



22/02/2025





TC-12998

Gua Village

## Test Report

ULR No.-TC129982500001132F

Anacon Representative Mr. Biplab

Giri as per Sampling Method

Page 2 of 4 dated 03/03/2025 Test Report No. : ALPL/03032025/7-35A 27/02/2025 Sample Inward No. ALPL/270225/W-1/34-27 **Analysis Start** Vijay II Iron Ore Mines M/s TATA Steel Limited 03/03/2025 Analysis End **Inward Date** 27/02/2025 Report Issue Date 03/03/2025 Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Category Water Purpose of Analysis **Quantity Received** Sample Condition Sample Source Sample Name 5.0 Ltr & 250 ml Drinking Sealed & Ice Preserved Ground Water Borewell Sampling Date Sampling Location Sampling Time Sampled by

2.30 pm to 4.00 pm

Gil	No.ANtd/7.2/MON-01	22/02/2025	2.30 pm	11 to 4.00 pm		Gaa viiiage
			TEST RESULTS			
S.N.	Test Parameter	Measurement Unit	Test Method	Requirement IS 10500 (Drinking Water Including Ame Acceptable	): 2012 Specifications)	Test Result
III	Discipline : Chemical	Group : Re	sidues in water			
					I Newstander	DI O (I OO 0 01)
20	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
21	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
22	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
23	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
24	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
25	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
26	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
27	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
28	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
29	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
30	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
32	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
33	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
IV	Discipline : Chemical	Group : Residue	s and contaminants in w	ater		
34	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001

☐ Please refer last Page for Note and Remarks.

Verified By

Deputy Technical Manager

Kashish Dhankajani Deputy Technical Manager Signatory

Technical Manager

**Authorized Signatory** 

hinmay Ganway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







TC-12998

## Test Report

ULR NoTC129982500001132F					
Test Report No.: ALPL/03032025/7-	35A	dated 03/03/2025		Page 3 of 4	
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	34-27	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30	0.05.2024	Report Issue Date Sample Category	03/03/2025 Water
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Rec	eived

Sample Name	Sample Source	Sample Condition	Purpose of Analysis	<b>Quantity Received</b>
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 250 ml
Sampled by	Sampling Date	Sampling Time		Sampling Location
Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01	22/02/2025	2.30 pm to 4.00 pm		Gua Village

#### **TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
٧	Discipline : Chemical	Group : Residues	in water			
35	Pesticide Residues Organochlo	rine				
i	Alpha-HCH	μg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	μg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	μg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	μg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
٧	Alachlor	μg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	μg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	μg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	μg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
X	o,p'-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)

☐ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani Deputy Technical Manager Signatory

Technical Manager

**Authorized Signatory** 

Chinmay Garway outy Quality Manager



Badajamda-833 221.

## Anacon Laboratories

22/02/2025





TC-12998

## Test Report

ULR No.-TC129982500001132F Test Report No. : ALPL/03032025/7-35A

Giri as per Sampling Method No.ANtd/7.2/MON-01

Issued To:
Vijay II Iron Ore Mines
M/s TATA Steel Limited

Work Order No.

dated 03/03/2025 ALPL/270225/W-1/34-27 27/02/2025

4700126596/962-30.05.2024

2.30 pm to 4.00 pm

 Page 4 of 4

 Analysis Start
 27/0

 Analysis End
 03/0

 Report Issue Date
 03/0

27/02/2025 03/03/2025 03/03/2025

Sample Category War

03/03/202 Water

Sample Name
Ground Water
Sampled by
Anacon Representative Mr. Biplab

ource Sample Condition
ell Sealed & Ice Preserved
Date Sampli

Sampling Time

Purpose of Analysis

5.0 Ltr & 250 ml Sampling Location

Gua Village

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
٧	Discipline : Chemical	Group : Residues i	n water			
35	Pesticide Residues Organoch	lorine			1	14
хi	p,p´-DDD	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xii	o,p´-DDD	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p'- DDT	μg/I	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiv	p,p'- DDT	μg/I	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
XV	Monocrotophos	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	μg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
xviii	Paraoxon methyl	μg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
xix	Malathion	µg/l	ANtr/7.2/RES/0	190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	µg/l	ANtr/7.2/RES/0	-	-	BLQ (LOQ-0.03)
xxi	Ethion	µg/l	ANtr/7.2/RES/0	3	No relaxation	BLQ (LOQ-0.03)
xxii	Chlorpyrifos	μg/l	ANtr/7.2/RES/0	30	No relaxation	BLQ (LOQ-0.03)
	Phorate					
xxiii	Phorate-sulfone	µg/l	ANtr/7.2/RES/0	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfoxide					

NOTE: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

Liability of Anacon Labs is limited to invoiced amount only. 

Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. 

#Permissible limit in absence of an alternate source for drinking water. 

If yell is equivalent to 'ppm'. 

Antr/7.2/RES/06, Antr/7.2/RES/03 - Inhouse validated method 

BLQ= below limit of quantification. 

LOQ= limit of quantification. 

Environmental condition – Satisfactory & Clear. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). 

PH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample as per above sampling reference complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Kashish Dhanrajani Deputy Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

Chinmay Garway Deputy Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







TC-12998

## Test Report

ULR No.-TC129982500001133F

Test Report No.: ALPL/03032025/7-	36A	dated 03/03/2025		Page	1 of 4
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	84-28	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited	Work Order No.	No. 4700126596/962-30.05.2024		Report Issue Date	03/03/2025
Badajamda-833 221.				Sample Category	Water
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	is Quantity Received	
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 25	i0 ml
Sampled by	Sampling Date	Sampling	g Time	Sampling Location	
Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01	22/02/2025	2.30 pm to 4.00 pm		Baraiburu Village	

TEST RESULTS

			ILOT KLOULTO			
S.N.	Test Parameter	Measurement	Test Method	Requir IS 1 (Drinking Wa Including A	Test Result	
		Unit	*	Acceptable	Permissible Limit #	
				Limit		
1	Discipline : Biological		Group : Water			
1	Escherichia coli	Per 100 ml	IS: 15185	Absent	Absent	Absent
II	Discipline : Chemical		Group : Water			1
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	184.53
3	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	0.2	1.0	BLQ (LOQ-0.01)
4	Colour	Hazen	IS 3025 (Part 4) Clause 4	5	15	1
5	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	32.64
7	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	53.91
8	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
9	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.0	1.5	0.21
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	12.68
11	Nitrate (as NO₃)	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	45	No relaxation	7.52
12	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
13	рН	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.91
14	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
15	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	21.46
16	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
17	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	438
18	Turbidity	NTU	IS 3025 : (Part 10)	1	5	1
19	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	186

☐ Please refer last Page for Note and Remarks.

Snehal Raut Technical Manager Authorized Signatories

Pooja Katha Technical Manager Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 + 91 8045685558 ■ Email : info@anacon.in

Ohttps://www.anaconlaboratories.com







TC-12998

#### Test Report

111	DNA	TC4	2000	2500001	14225

Test Report No.: ALPL/03032025/7-36A		dated 03/03/2025		Page 2 of 4	
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	34-28	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	o. 4700126596/962-30.05.2024		Report Issue Date Sample Category	03/03/2025 Water
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Received	
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 25	i0 ml
Sampled by	Sampling Date	Sampling Time		Sampling Lo	cation
Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01	22/02/2025	2.30 pm to 4.00 pm		Baraiburu Village	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	IS 105 (Drinking Wate	nent as per 00 : 2012 er Specifications) endment No. 4 Permissible Limit #	Test Result
III	Discipline : Chemical	Group : Re	sidues in water			
20	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
21	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
22	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
23	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
24	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
25	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
26	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.26
27	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
28	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
29	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
30	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
32	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
33	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
IV	Discipline : Chemical	Group : Residue	s in water			
34	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)

☐ Please refer last Page for Note and Remarks.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

Technical Manager

**Authorized Signatory** 

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="feedback@anacon.in">feedback@anacon.in</a>.

Kashish Dhanraiani

Deputy Technical Manager

Anacon Laboratories Pvt. Ltd. Nagpur Lab







TC-12998

#### Test Report

ULR No.-TC129982500001133F

Test Report No.: ALPL/03032025/7-	36A	dated 03/03/2025		Page	3 of 4
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	34-28	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.05.2024		Report Issue Date Sample Category	03/03/2025 Water
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Red	eived
Ground Water	Borewell	Sealed & Ice Preserved	<ul> <li>Drinking</li> </ul>	5.0 Ltr & 25	0 ml
Sampled by	Sampling Date	Sampling Time		Sampling Lo	cation
Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01	22/02/2025	2.30 pm to 4.00 pm Barait		Baraiburu V	illage

#### **TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	IS 1050 (Drinking Wate	nent as per 00 : 2012 r Specifications) endment No. 4	Test Result
				Acceptable Limit	Permissible Limit #	
V	Discipline : Chemical	Group : Residues i	n water	34.50		
35	Pesticide Residues Organochlor	rine			-	
i	Alpha-HCH	µg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
٧	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
X	o,p´-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)

☐ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhantajani Deputy Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

Chinmay Garway Deputy Quality Manager







C-12998

#### Test Report

ULR	NoTC129982500001133F	
Test	Report No : ALPI /03032025/7-36A	1

Test Report No. : ALPL/03032025/7-	36A	dated 03/03/2025		Page	4 of 4
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	34-28	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.05.2024		Report Issue Date Sample Category	03/03/2025 Water
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Red	eived
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 25	0 ml
Sampled by	Sampling Date	Sampling Time		Sampling Location	
Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01	22/02/2025	2.30 pm to 4.00 pm		Baraiburu V	illage

#### TEST DESILITE

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4  Acceptable Limit   Permissible Limit #		Test Result
V	Discipline : Chemical G	roup : Residues	in water			
35	Pesticide Residues Organochlori	ne				
xi	p,p´-DDD	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xii	o,p´-DDD	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p´- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiv	p,p´- DDT	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
XV	Monocrotophos	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	μg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
xviii	Paraoxon methyl	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
xix	Malathion	μg/l	ANtr/7.2/RES/01	190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
xxi	Ethion	µg/l	ANtr/7.2/RES/0	3	No relaxation	BLQ (LOQ-0.03)
xxii	Chlorpyrifos	µg/l	ANtr/7.2/RES/0	30	No relaxation	BLQ (LOQ-0.03)
	Phorate					
xxiii	Phorate-sulfone Phorate-sulfoxide	μg/I	ANtr/7.2/RES/0	2	No relaxation	BLQ (LOQ-0.03)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only.

● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● 'µg/l' is equivalent to 'ppb'. ● ANtr/7.2/RES/01, ANtr/7.2/RES/03 - Inhouse validated method ● BLQ= below limit of quantification. LOQ= limit of quantification. ■ Environmental condition — Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample as per above sampling reference complies with requirement as per IS: 10500:2012, for tests conducted only.

Kashish Dhanrajani Deputy Technical Manager

Pooia Kathane Technical Mahager **Authorized Signatory** 

Chinmay Garway puty Quality Manager

Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank you for instilling your trust and faith in our services Entering Thank your for instilling your trust and faith in our services Entering Thank your for instilling your trust and faith in our services Entering Thank your for instilling Your French Thank Your in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

♦ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 L + 91 8045685558 Email : info@anacon.in

https://www.anaconlaboratories.com



Badajamda-833 221.

### Angcon Laboratories





TC-12998

#### Test Report

ULR No.-TC129982500001134F Test Report No.: ALPL/03032025/7-37A

Anacon Representative Mr. Biplab

Giri as per Sampling Method No.ANtd/7.2/MON-01

Sample Inward No. Issued To: Vijay II Iron Ore Mines **Inward Date** M/s TATA Steel Limited Work Order No.

dated 03/03/2025 ALPL/270225/W-1/34-29 27/02/2025 4700126596/962-30.05.2024

Page 1 of 4 **Analysis Start** Analysis End Report Issue Date Sample Category

27/02/2025 03/03/2025 03/03/2025 Water

Sample Source Sample Name Ground Water Borewell Sampling Date Sampled by

22/02/2025

Sample Condition Sealed & Ice Preserved Sampling Time

Purpose of Analysis Drinking

Quantity Received 5.0 Ltr & 250 ml

Sampling Location

Baihatu Village 2.30 pm to 4.00 pm

TECT DECLU TO

			TEST RESULTS				
S.N.	Test Parameter	Measurement Test Parameter Unit	Test Method	IS 1 (Drinking W	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		
81		Onit		Acceptable Limit	Permissible Limit #		
ı	Discipline : Biological		Group : Water				
1	Escherichia coli	Per 100 ml	IS: 15185	Absent	Absent	Absent	
II	Discipline : Chemical		Group : Water				
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	156.49	
3	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	0.2	1.0	BLQ (LOQ-0.01)	
4	Colour	Hazen	IS 3025 (Part 4) Clause 4	5	15	1	
5	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)	
6	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	26.43	
7	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	42.81	
8	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)	
9	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.0	1.5	0.24	
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	11.26	
11	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	45	No relaxation	7.93	
12	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable	
13	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.16	
14	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)	
15	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	21.64	
16	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable	
17	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	451	
18	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1	
19	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	154	

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Technical Manage

Chinmay Garwa Debuty Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.







TC-12998

#### Test Report

ULR No	TC12998	325000011	34F
act Panart	No - Al	DI /030320	25/7-37A

Test Report No.: ALPL/03032025/7-	37A	dated 03/03/2025		Page 2 of 4	
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	34-29	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited Badajamda-833 221.	Work Order No.	4700126596/962-30.05.2024		Report Issue Date Sample Category	03/03/2025 Water
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Red	eived
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 25	60 ml
Sampled by	Sampling Date	Sampling Time		Sampling Lo	cation
Anacon Representative Mr. Biplab Giri as per Sampling Method No ANtd/7.2/MON-01	22/02/2025			Baihatu Vil	lage

			TEST RESULTS			
S.N.	Test Parameter	Measurement Unit	Test Method	IS 1050 (Drinking Wate	nent as per 00 : 2012 r Specifications) endment No. 4 Permissible Limit #	Test Result
III	Discipline : Chemical	Group : Re	sidues in water			
20	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
21	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
22	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
23	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
24	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
25	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
26	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
27	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
28	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
29	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
30	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
32	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
33	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
IV	Discipline : Chemical	Group : Residue	s in water			
34	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)

☐ Please refer last Page for Note and Remarks.

Verified By

Pradnya Pillewan Deputy Technical Manager . . . .

Kashish Dhanrajani Deputy Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

Chinmay Garway eputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Anacon Laboratories Pvt. Ltd. Nagpur Lab



Anaco

## Angcon Laboratories





TC-12998

#### Test Report

ULR	NoTC	129	982500001134F
Toet	Report	No	· ALPI /03032025/7-37A

Giri as per Sampling Method

No.ANtd/7.2/MON-01

lest Report No. : ALPL/03032	023/7-37A
Issued To:	Sample Inward No.
Vijay II Iron Ore Mines	Inward Date
M/s TATA Steel Limited	Work Order No.
Badajamda-833 221.	

dated 03/03/2025 ALPL/270225/W-1/34-29 27/02/2025

4700126596/962-30.05.2024

Page 3 of 4 **Analysis Start** Analysis End Report Issue Date Sample Category

27/02/2025 03/03/2025 03/03/2025 Water

Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Received 5.0 Ltr & 250 ml
Sampled by	Sampling Date	Sampling	g Time	Sampling Location
on Representative Mr. Biplab	22/02/2025	2.30 pm to	4.00 pm	Baihatu Village

Baihatu Village

IES		K	E5	U	L	15	
ES	1	L	LO	U	_	10	

S.N.	Test Parameter	Test Parameter Measurement Unit		Requiren IS 1050 (Drinking Wate Including Am	Test Result	
				Acceptable Limit	Permissible Limit #	
٧	Discipline : Chemical	Group : Residues i	n water			
35	Pesticide Residues Organoch	nlorine		3		
i	Alpha-HCH	μg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	μg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	jµg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
V	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
ix	p,p'-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
Х	o,p'-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)

☐ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani Deputy Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

hinmay Garway uty Quality Manager







C-12998

#### Test Report

ULR	NoT	C1299825	000011	34F
-----	-----	----------	--------	-----

Test Report No. : ALPL/03032025/7-	37A	dated 03/03/2025		Page	4 of 4
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	4-29	Analysis Start	27/02/2025
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025
M/s TATA Steel Limited	Work Order No. 4700126596/962-30.05.2024		Report Issue Date	03/03/2025	
Badajamda-833 221.				Sample Category	Water
		¥			
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Red	eived
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 25	0 ml
Sampled by	Sampling Date	Sampling Time		Sampling Location	
Anacon Representative Mr. Biplab	22 500	300 30			
Giri as per Sampling Method	22/02/2025	2.30 pm to 4.00 pm		Baihatu Village	
No ANtd/7 2/MON-01	1				

#### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requiren IS 1050 (Drinking Wate Including Am	Test Result	
				Acceptable Limit	Permissible Limit #	
V	Discipline : Chemical G	roup : Residues i	in water		ing a second	
35	Pesticide Residues Organochlori	ne				
xi	p,p´-DDD	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xii	o,p´-DDD	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiii	o,p´- DDT	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xiv	p,p'- DDT	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
XV	Monocrotophos	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
xvi	Atrazine	μg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
xvii	Parathion methyl	μg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
xviii	Paraoxon methyl	µg/I	ANtr/7.2/RES/01	1-	-	BLQ (LOQ-0.03)
xix	Malathion	μg/l	ANtr/7.2/RES/01	190	No relaxation	BLQ (LOQ-0.03)
XX	Malaoxon	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
xxi	Ethion	µg/l	ANtr/7.2/RES/01	3	No relaxation	BLQ (LOQ-0.03)
xxii	Chlorpyrifos	μg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
	Phorate					
xxiii	Phorate-sulfone	μg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfoxide					

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only.

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • 'mg/l' is equivalent to 'ppm'. • 'µg/l' is equivalent to 'ppb'. • ANtr/7.2/RES/01, ANtr/7.2/RES/03 - Inhouse validated method • BLQ= below limit of quantification. • Environmental condition – Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample as per above sampling reference complies with requirement as per IS: 10500:2012, for tests conducted only.

Deputy Technical Manager

Signatory

Technical Manager

**Authorized Signatory** 

Chinmay Ga way Debuty Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01

### Angcon Laboratories

22/02/2025





TC-12998

Bichaikiri Village

#### Test Report

ULR NoTC129982500001135F						
Test Report No. : ALPL/03032025/7-	38A	dated 03/03/2025		Page 1 of 4		
Issued To:	Sample Inward No.	ALPL/270225/W-1/3	34-30	Analysis Start	27/02/2025	
Vijay II Iron Ore Mines	Inward Date	27/02/2025		Analysis End	03/03/2025	
M/s TATA Steel Limited	Work Order No.	4700126596/962-30	Report Issue Date	03/03/2025		
Badajamda-833 221.				Sample Category	Water	
Sample Name	Sample Source	Sample Condition	Purpose of Analysis	Quantity Received		
Ground Water	Borewell	Sealed & Ice Preserved	Drinking	5.0 Ltr & 250 ml		
Sampled by	Sampling Date	Sampling Time		Sampling Location		

2.30 pm to 4.00 pm

			TEST RESULTS			
S.N.	Test Parameter	Measurement Unit	Test Method	Requir IS 19 (Drinking Wa Including Acceptable	Test Result	
				Limit	Permissible Limit #	
1	Discipline : Biological		Group : Water	- Total		
1	Escherichia coli	Per 100 ml	IS: 15185	Absent	Absent	Absent
11	Discipline : Chemical		Group : Water			1
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	164.71
3	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	0.2	1.0	BLQ (LOQ-0.01)
4	Colour	Hazen	IS 3025 (Part 4) Clause 4	5	15	1
5	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
6	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	42.64
7	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	51.37
8	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
9	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.0	1.5	0.24
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	9.72
11	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	45	No relaxation	8.36
12	Odour	- 1	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
13	рН	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.21
14	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
15	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	21.53
16	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
17	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	427
18	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
19	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	168

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut

**Authorized Signatories** 

Chinmay Garway

Technical Manager

Technical Manager

Technical Manager

Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 + 91 8045685558 ■ Email: info@anacon.in

Ohttps://www.anaconlaboratories.com







TC-12998

#### Test Report

ULR No.-TC129982500001135F

Test Report No.: ALPL/03032025/7-38A

dated 03/03/2025

Page 2 of 4

Issued To:	
Vijay II Iron Ore	Mines
M/s TATA Steel	Limited
Badajamda-833	221.

Sample Inward No. **Inward Date** Work Order No.

ALPL/270225/W-1/34-30 27/02/2025 4700126596/962-30.05.2024 **Analysis Start** Analysis End Report Issue Date Sample Category

27/02/2025 03/03/2025 03/03/2025 Water

Sample Name Ground Water Sampled by Anacon Representative Mr. Biplab Giri as per Sampling Method No.ANtd/7.2/MON-01

Sample Source Borewell Sampling Date 22/02/2025

Purpose of Analysis Sample Condition Sealed & Ice Preserved Drinking Sampling Time

2.30 pm to 4.00 pm

Quantity Received 5.0 Ltr & 250 ml Sampling Location

Bichaikiri Village

			TEST RESULTS			
S.N.	Test Parameter	Acceptable		00 : 2012 r Specifications)	Test Result	
				Limit	Limit #	
Ш	Discipline : Chemical	Group : Re	sidues in water			
20	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
21	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
22	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
23	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
24	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
25	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
26	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
27	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
28	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
29	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	0.001	No relaxation	BLQ (LOQ-0.001)
30	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
32	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
33	Polynuclear aromatic hydrocarbon (PAH)	μg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
IV	Discipline : Chemical	Group : Residue	s in water			
34	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)

☐ Please refer last Page for Note and Remarks.

Verified By

Pradnya Pillewan Deputy Technical Manager

Kashish Dhanrajani Deputy Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

Chinmay Gary puty Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







TC-12998

#### Test Report

ULR NoTC129982500001135F Test Report No. : ALPL/03032025/7-	38A	dated 03/03/2025		Page 3 of 4	
Issued To: Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No. Inward Date Work Order No.	ALPL/270225/W-1/3 27/02/2025 4700126596/962-30		Analysis Start Analysis End Report Issue Date Sample Category	27/02/2025 03/03/2025 03/03/2025 Water
Sample Name Ground Water	Sample Source Borewell	Sample Condition Sealed & Ice Preserved	Purpose of Analysis Drinking	Quantity Red 5.0 Ltr & 25	
Sampled by Anacon Representative Mr. Biplab Giri as per Sampling Method No ANtd/7.2/MON-01	Sampling Date 22/02/2025	Sampling 2.30 pm to		Sampling Lo Bichaikiri Vi	

S.N.	Test Parameter Unit		Test Method	Requiren IS 1050 (Drinking Wate Including Am	Test Result	
				Acceptable Limit	Permissible Limit #	
V	Discipline : Chemical	Group : Residues	in water			
35	Pesticide Residues Organoch	nlorine				
i	Alpha-HCH	µg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
ii	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
iii	Gamma - HCH (Lindane)	μg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
iv	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
V	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
vi	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
vii	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
viii	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
ix	p,p´-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
Х	o,p'-DDE	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)

☐ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani Deputy Technical Manager Signatory

Pooja Kathane Technical Manager **Authorized Signatory** 

Chinmay Garway Deputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC129982500001135F

dated 03/03/2025 Page 4 of 4 Test Report No.: ALPL/03032025/7-38A 27/02/2025 Sample Inward No. ALPL/270225/W-1/34-30 **Analysis Start** Issued To: Analysis End 03/03/2025 Vijay II Iron Ore Mines Inward Date 27/02/2025 Report Issue Date 03/03/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Category Water **Quantity Received** Sample Condition Purpose of Analysis Sample Source Sample Name 5.0 Ltr & 250 ml Sealed & Ice Preserved Drinking Ground Water Borewell Sampling Location Sampling Time Sampling Date Sampled by Anacon Representative Mr. Biplab Bichaikiri Village Giri as per Sampling Method 22/02/2025 2.30 pm to 4.00 pm No.ANtd/7.2/MON-01

	NO.ANIA// .Z/WICH-01		TEST RESULT	S			
S.N.	Test Parameter	Measurement Unit	Test Method	IS 1056 (Drinking Wate	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4 cceptable Limit Permissible Limit #		
٧	Discipline : Chemical	Group : Residues i	n water				
35	Pesticide Residues Organo	chlorine					
xi	p,p'-DDD	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)	
xii	o,p'-DDD	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)	
xiii	o,p'- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)	
xiv	p,p'- DDT	μg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03	
XV	Monocrotophos	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)	
xvi	Atrazine	µg/l	ANtr/7.2/RES/0	2	No relaxation	BLQ (LOQ-0.03)	
xvii	Parathion methyl	µg/l	ANtr/7.2/RES/0	0.3	No relaxation	BLQ (LOQ-0.03)	
xviii	Paraoxon methyl	µg/l	ANtr/7.2/RES/0	-	-	BLQ (LOQ-0.03)	
xix	Malathion	µg/l	ANtr/7.2/RES/0	190	No relaxation	BLQ (LOQ-0.03	
XX	Malaoxon	µg/l	ANtr/7.2/RES/0	-	-	BLQ (LOQ-0.03	
xxi	Ethion	µg/l	ANtr/7.2/RES/0	1 3	No relaxation	BLQ (LOQ-0.03	
xxii	Chlorpyrifos	µg/l	ANtr/7.2/RES/0	1 30	No relaxation	BLQ (LOQ-0.03	
	Phorate						
xxiii	Phorate-sulfone	μg/l	ANtr/7.2/RES/0	1 2	No relaxation	BLQ (LOQ-0.03	
	Phorate-sulfoxide						

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only.

• Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • 'mg/l' is equivalent to 'ppm'. • 'ug/l' is equivalent to 'ppm'. • ANtr/7.2/RES/01, ANtr/7.2/RES/03 - Inhouse validated method • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory & Clear. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). • pH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. The submitted sample as per above sampling reference complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Kashish Dhanrajani Deputy Technical Manager Signatory

**Authorized Signatory** 

Technical Manager

hinmay Garway uty Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 + 91 8045685558 Email: info@anacon.in

3 https://www.anaconlaboratories.com

Test Report No : ALPI /02122024/7-21 deted 02/12/2024

Page 1 of 1

rest Keport No.	. ALI L/0212	2024/1-21	uated 02/12/2024			ragerori
Issued To: Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		Sample Inward No.	. ALPL/25112024/MO	N-91-EW-7/4- 1 & 2	Analysis Start	25/11/2024
		Inward Date Work Order No.			Analysis End	30/11/2024
Sadajamda-655 22	-1.				Report Issue date	02/12/2024
Sample Name Sar		ple Source	Sample Particulars	Sample Condition	Quantity I	Received
Surface Water	1. Upstream	m 2. Downstream	Sample Code-SW-1 & 2	Sealed & Ice Preserved	2.0 Ltr & 250 ml each	
Sampleo	l by	Sampling Date	Sampling Time	Sa	ampling Location	
Anacon Representative Mr. Biplab Giri		23/11/2024	11.40 am & 12.20 pm	Karo River (Upstream) (SW-1)     Karo River (Downstream) (SW-2)		2)
Sampling Pr	ocedure	ANtd/7.2/Mon-0	1 Weather Condition	Satisfactory & Clear		

TEST RESULTS

			TEST RESULTS			
	Test Parameter	A0004000000000000000000000000000000000		Standards as	Test	Result
S.N.	Test Parameter	Measurement Unit	Test Method	per IS 2296:1992 Class C	SW-1	SW-2
I	Disciplin	e : Biological	Group: Water	Subgroup:	Surface water	10.7
1	Coliform	MPN/100ml	IS 1622	5000	BLQ (LOQ-2)	BLQ (LOQ-2)
II	Disciplin	ne : Chemical	Group : Water	Subgroup:	Surface water	
2	pH value	-	IS 3025 (Part 11)	6.0 to 9.0	6.41 at 25°C	6.63 at 25°C
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	300	16	12
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.5	6.2
5	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)	225	21	18
6	BOD (3 days at 27°C)	mg/l	IS-3025 (Part 44): 2023	3.0	2.76	2.41
7	Chemical oxygen demand	mg/l	IS-3025(Part-58)		8.29	7.63
8	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1428	1132
9	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5	0.07	0.04
10	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	600	264	239
11	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	116.54	94.27
12	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition; Method 4500- NO3	50	26.43	21.59
13	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.5	0.32	0.26
14	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)
15	Phenolic compounds (as C6H5OH)	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
16	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
Ш	Discipline : Chemical	Group	: Residues and contaminants in	water S	Subgroup : Trace m	etal elements
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.43	0.38
18	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.002)
19	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
20	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
21	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
23	Hexa Chromium (as Cr <sup>+6</sup> )	mg/l	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
24	Mercury (as Hg)	mg/l	IS: 3025 (Part 48)		BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
25	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	**	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only.
• Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ=below limit of quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Deputy Technical Manager

Snehal Raut

Technical Manager

**Authorized Signatories** 

hinmay Ga

uty Quality

Pooja Kathane Technical Manager

----End of Report----



Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 

https://www.anaconlaboratories.com

Test Report No. : AI PL/02122024/7-22

Dogg 1 of 1

rest Report No.	• ALT L/UZ1Z	2024/ /-22	uateu 02/12/2024			Page I of I
Issued To: Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		Sample Inward No.	ALPL/25112024/MC	N-91-EW-7/4-3 & 4	Analysis Start	25/11/2024
		Inward Date Work Order No.	25/11/2024 4700126596/962 date	e: 30.05.2024	Analysis End	30/11/2024
					Report Issue date	02/12/2024
•		ole Source 2. Downstream	Sample Particulars Sample Code-SW-3 & 4	Sample Condition Sealed & Ice Preserved	Quantity R 2.0 Ltr & 250	
Sampled	l by	Sampling Date	Sampling Time	Sa	mpling Location	
Anacon Representative Mr. Biplab Giri  Sampling Procedure A		23/11/2024	1.45 pm & 2.10 pm	1 Koina River (Unstream) (SW-3)		
		ANtd/7.2/Mon-0	1 Weather Condition	Satisfactory		
			TEST RESULTS	-		

				Standards as	Test	Result
S.N.	Test Parameter	Measurement Unit	Test Method	per IS 2296:1992 Class C	SW-3	SW-4
I	Disciplin	ne : Biological	Group: Water	Subgroup:	Surface water	
1	Coliform	MPN/100ml	IS 1622	5000	BLQ (LOQ-2)	BLQ (LOQ-2)
II	Disciplin	ne : Chemical	Group : Water	Subgroup:	Surface water	
2	pH value	-	IS 3025 (Part 11)	6.0 to 9.0	6.61 at 25°C	6.94 at 25°C
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	300	26	21
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.4	6.1
5	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)		21	16
6	BOD (3 days at 27°C)	mg/l	IS-3025 (Part 44): 2023	3.0	2.53	2.47
7	Chemical oxygen demand	mg/l	IS-3025(Part-58)		7.91	6.82
8	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1354	1176
9	Copper (as Cu)	mg/l	- IS 3025 (Part 2)	1.5	0.05	0.03
10	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	600	287	264
11	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	143	129
12	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500- NO3	50	21.54	17.36
13	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6: 2008	1.5	0.53	0.47
14	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)
15	Phenolic compounds (as C6H5OH)	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
16	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
Ш	Discipline : Chemical	Group	: Residues and contaminants in	water S	ubgroup : Trace m	
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.46	0.42
18	Cadmium (as Cd)	mg/I	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLO (LOO-0.002)
19	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.05	BLO (LOO-0.01)	BLQ (LOQ-0.01)
20	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
21	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
23	Hexa Chromium (as Cr <sup>+6</sup> )	mg/I	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
24	Mercury (as Hg)	mg/I	IS: 3025 (Part 48)		BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
25	Manganese (as Mn)	mg/l	IS 3025 (Part 2)		BLQ (LOQ-0.02)	BLQ (LOQ-0.02)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ= below limit of quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Deputy Technical Manager Technical Manager **Authorized Signatories** 

Chinmay Ga

Deputy Quality Manage

Technical Manager

---End of Report----



Sampling Method

## Anacon Laboratories

ANtd/7.2/Mon-01





TC-12998

#### Test Report

Test Report No.: ALPL/02012025/7-32A dated 02/01/2025 Issued To: Page 1 of 2 Sample Inward No. Vijay II Iron Ore Mines Analysis Start ALPL/23122024/MON-65-WW-7/4- 1 & 2 24/12/2024 M/s TATA Steel Limited **Inward Date** 23/12/2024 Badajamda-833 221. Analysis End Work Order No. 31/12/2024 4700126596/962 date: 30.05.2024 Report Issue date Sample Description 02/01/2025 Sample Source Sample Particulars **Sample Condition Quantity Received** Surface Water 1. Upstream 2. Downstream Sealed & Ice Sample Code-SW-1 & 2 2.0 Ltr & 250 ml each Preserved Sampled by Sampling Date Sampling Time Sampling Location Anacon Representative Karo River (Upstream) (SW-1) 21/12/2024 Mr. Biplab Giri 11.55 am & 12.25 pm

Weather Condition 2. Karo River (Downstream) (SW-2)
Satisfactory & Clear

S.N.	Test Parameter	Measurement	Test Method	Standards as per IS	Test	Result
_	4 T	Unit	- 10 Table	2296:1992 Class C	SW-1	SW-2
			Discipline : Biological Group	: Water		
1	Coliform	MPN/100ml	IS 1622	5000	BLQ (LOQ-2)	BLQ (LOQ-2)
Ш			Discipline : Chemical Group	: Water	((	DEQ (EOQ-2)
2	pH value	-	IS 3025 (Part 11)			
3	Colour	Hazen units	200000000000000000000000000000000000000	6.0 to 9.0	6.53 at 25°C	6.61 at 25°C
4	Total Dissolved Salida (TDS)	C2-2-312-313-3-3-3-3-1-3	IS 3025 (Part 4) Clause 4	300	12	8
	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1382	1153
5	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5		
6	Chloride (as CI)	mg/l		A STATE OF THE STA	0.06	0.03
7	Sulphate (as SO <sub>4</sub> )	183	IS 3025 (Part 32) Clause 2	600	273	264
8		mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	121.58	104.93
	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500-NO3	50	21.51	
9	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6		100000000000000000000000000000000000000	18.46
		, , , , , , , , , , , , , , , , , , ,	10 0023 (1 art 00) Clause 6	1.5	0.27	0.24
10	Cyanide (as CN)	anide (as CN) mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-	
		078	in an amount of olduse 5	0.05	0.005)	BLQ (LOQ-0.005
11	Phenolic compounds	m = //	7-		5-1.099940.1.	
		mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-	BLQ (LOQ-0.001)
12	Anionic Detergents (as MBAS)	mg/l	10 10100 (1		0.001)	(== 0.001)
Die	se refer last Page for Note and		IS 13428 : (Annex K)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Pooja Kathane Technical Manager

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







TC-12998

JLK NO 1C12998240	0002802F		-			
est Report No. : ALPL		32A dated	02/01/2025	1		
lssued To : Vijay II Iron Ore Mine		Sample Inward No.		I-65-WW-7/4- 1 & 2	Page 2 of 2 Analysis Start	24/12/2024
M/s TATA Steel Limite Badajamda-833 221.		Inward Date Work Order No.	23/12/2024 4700126596/962 date		Analysis End	31/12/2024
Sample Description	Sam	ple Source	Sample Particulars		Report Issue date	02/01/2025
Surface Water		n 2. Downstream	Sample Code-SW-1 & 2	Sample Condition Sealed & Ice	Quantity R	eceived
Sampled b	V	Sampling Date		Preserved	2.0 Ltr & 250	) ml each
Anacon Representativ Giri	e Mr. Biplab	21/12/2024	Sampling Time 11.55 am & 12.25 pm	Karo River	Sampling Location (Upstream) (SW-1)	
Sampling Met	thod	ANtd/7.2/Mon-01	Weather Condition	2. Karo River Satisfactory	(Downstream) (SW-2)	
			TEST RESULTS		G Olcai	

S.N.	Test Parameter	Measurement Unit	Test Method	Standards as per IS	Test	Result
1		Disability 51		2296:1992 Class C	SW-1	SW-2
		Discipline : Chem	nical Grou	up : Residues and contam	inanto in water	
13	Iron (as Fe)	mg/l	IS 3025 (Part 2)		mants in water	
14	Cadmium (as Cd)			0.5	0.46	0.42
15		mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.0
5	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.05		(A)
6	Arsenic (as As)	mg/l			BLQ (LOQ-0.01)	BLQ (LOQ-0.0
7	Lead (as Pb)		IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.0
17		mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)	
8	Zinc (as Zn)	mg/l	IS 3025 (Part 2)		12.	BLQ (LOQ-0.0
9	Mercury (as Hg)	7,,,,,		15	BLQ (LOQ-0.02)	BLQ (LOQ-0.0
0		mg/l	IS: 3025 (Part 48)		BLQ (LOQ-0.001)	BLQ (LOQ-0.00
	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	200		X
• Ple	ease see watermark 'Original Test F	Penort" to confirm the	(r unt 2)	M	BLQ (LOQ-0.02)	BLQ (LOQ-0.0

not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off • BLQ= below limit of quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

**Authorized Signatory** 

----End of Report----

Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.



# Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 

⊕ https://www.anaconlaboratories.com

## Test Report

Test Report No. : AL Issued To : Vijay II Iron Ore Mines		7-32B Sample Inward No.	dated 02/01/2025		Page 1 of	
M/s TATA Steel Limited Badajamda-833 221	1	Inward Date	23/12/2024		Analysis Start	24/12/2024
Sample Description Surface Water	Samı	Work Order No. ple Source 1 2. Downstream	4700126596/962 date Sample Particulars	Sample Condition	Analysis End Report Issue date Quantity R	31/12/2024 02/01/2025
Sampled by Anacon Representative	,	Sampling Date	Sample Code-SW-1 & 2 Sampling Time	Sealed & Ice Preserved	2.0 Ltr & 250	
Giri Sampling Meti		21/12/2024	11.55 am & 12.25 pm	. Naro River	Sampling Location (Upstream) (SW-1)	
, 5	104	ANtd/7.2/Mon-01	Weather Condition TEST RESULTS	2. Karo River Satisfactory	(Downstream) (SIM a)	

pline : Chemical Gro	2296:1992 Class C Oup : Water	SW-1	SW-2
	oup : Water		
IS 3025 (Part 38)			
	4.0		
	4.0	6.2	5.7
	-	16	10
IS-3025 (Part 44) : 2023	3.0	0.54	12
IS-3025(Part-58)		2.51	2.46
		7.94	6.82
Group : Residues	s and contaminants i	in water	0.02
	IS 3025 (Part 17) IS-3025 (Part 44) : 2023 IS-3025 (Part-58) Group : Residue IS 3025 (Part 52)	IS 3025 (Part 17) IS-3025 (Part 44) : 2023 3.0 IS-3025(Part-58) Group : Residues and contaminants	IS 3025 (Part 17) 16 IS-3025 (Part 44) : 2023 3.0 2.51 IS-3025 (Part-58) 7.94 Group : Residues and contaminants in water

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ= below limit of quantification, LOQ= BLQ (LOQ-0.01)

Verified By

Snehal Raut Technical Manager Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Gaway uty Quality Nanager







TC-12998

Test	Report

Test Report No. : ALF Issued To :			dated 02/01/2025		Page 1 of	2
Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		Sample Inward No. Inward Date Work Order No.	25/12/2024		Analysis Start Analysis End	25/12/2024
Sample Description Sam		ple Source	4700126596/962 date Sample Particulars Sample Code-SW-3 & 4	Sample Condition Sealed & Ice	Report Issue date  Quantity Re	31/12/2024 02/01/2025 eceived
		Sampling Date 21/12/2024	Sampling Time 3.40 pm & 4.10 pm	Preserved Sa 1. Koina River	2.0 Ltr & 250 ampling Location (Upstream) (SW-3)	
pmg Froce	uure	ANtd/7.2/Mon-01	Weather Condition TEST RESULTS	Satisfactory	(Downstream) (SW-4) & Clear	

			THE THEODE IS			
S.N.	Test Parameter	Measurement	-	Standards as	Tes	t Result
ı		Unit	Test Method	per IS 2296:1992 Class C	SW-3	SW-4
1	Coliform	DISC	ipline : Biological Grou	p : Water		
II		MPN/100ml	IS 1622	5000	I BLO III	
2	pH value	Disc	inline OI	p : Water	BLQ (LOQ-2)	BLQ (LOQ-2
3	Colour	- I	IS 3025 (Part 11)			
4		Hazen units	IS 3025 (Part 4) Clause 4	6.0 to 9.0	7.13 at 25°C	6.98 at 25°C
5	Total Dissolved Solids (TDS)	mg/l	19 3035 (Dat 48)	300	24	18
	Copper (as Cu)	mg/l	IS 3025 (Part 16)	1500	1426	
6	Chloride (as CI)	mg/l	IS 3025 (Part 2)	1.5	0.07	1287
7	Sulphoto ( 00 )	mg/i	IS 3025 (Part 32) Clause 2	600	291	0.04
	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause		291	273
8	No. 1	-	5	400	152	146
0	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method		10.77	140
	20	9/1	4500-NO3	50	23.94	40.40
9	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6 :		20.54	18.46
0.000		mg/i	2008	1.5	0.47	W. C. J. C.
10	Cyanide (as CN)			1.0	0.47	0.42
		mg/l	IS 3025 (Part 27/Sec 1)	0.05	BLQ (LOQ-	
11	Phenolic compounds		Clause 5	0.05	0.005)	BLQ (LOQ-0.00
100		mg/l	IS 3025 (Part 43/Sec 1)	0.005	BLQ (LOQ-	
12	Anionic Detergents (as MBAS)	mall	Clause 6	0.005	0.001)	BLQ (LOQ-
Plea	se refer last Page for Note and Re	mg/l	IS 13428 : (Annex K)	1.0		0.001)
	30 ioi note and Ri	amarks.		1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0 01

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Pooja Kathane Technical Manager

Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







TC-12998

#### Test Report

Test Report No. : ALPL	/02012025/7	7-33A	dated 02/01/2025		Page 2 of	2
M/s TATA Steel Limited Badajamda-833 221.  Sample Description Surface Water  Sampled by Anacon Representative Mr. Binlab		Sample Inward No.	ALPL/25122024/MON	I-63-EW-7/4- 3 & 4	Analysis Start	25/12/2024
		nward Date Work Order No.	25/12/2024 4700126596/962 date: 30.05.2024		Analysis End Report Issue date	31/12/2024 02/01/2025
		ple Source n 2. Downstream	Sample Particulars Sample Code-SW-3 & 4	Sample Condition Sealed & Ice Preserved	Quantity Received 2.0 Ltr & 250 ml each	
		Sampling Date 21/12/2024	Sampling Time 3.40 pm & 4.10 pm	<ol> <li>Koina River</li> </ol>	Sampling Location er (Upstream) (SW-3) er (Downstream) (SW-4)	
Sampling Procedure ANtd/7.2/Mon-01			Weather Condition TEST RESULTS	Satisfactory		

			Standards as		Standards as		Test I	Result
S.N.	· ·	Unit		per IS 2296:1992 Class C	SW-3	SW-4		
Ш	Disc	ipline : Chemical	Group : Residu	es and contaminan	ts in water			
13	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.41	0.37		
14	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ- 0.002)	BLQ (LOQ- 0.002)		
15	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)		
16	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)		
17	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)			
18	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.01)	BLQ (LOQ-0.01) BLQ (LOQ-0.02)		
19	Mercury (as Hg)	mg/l	IS: 3025 (Part 48)	-	BLQ (LOQ- 0.001)	BLQ (LOQ- 0.001)		
20	Manganese (as Mn) lease see watermark "Original Test Report" to	mg/l	IS 3025 (Part 2)		BLQ (LOQ-0.02)	BLQ (LOQ-0.02)		

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. 

'mg/l' is equivalent to 'ppm'.

**REMARKS**: As requested by the client, sample was tested for above parameters only.

Verified By

Pradilya Pillewan .
Deputy Technical Manager

Signatory

**Authorized Signatory** 

Chinmay Ga

uty Quality Manager

Pooja Kathane Technical Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 L+ 91 8045685558 Email: info@anacon.in https://www.anaconlaboratories.com

#### Test Report

Issued To :		7-33B Sample Inward No.	dated 02/01/2025		Page 1 of	1
Vijay II Iron Ore Mines	1.	Sample inward No.	ALPL/25122024/MON-63-EW-7/4- 3 & 4		Analysis Start	25/12/2024
M/s TATA Steel Limited Badajamda-833 221. Sample Description	i	nward Date Nork Order No.	25/12/2024			31/12/2024
Surface Water	Sample Source				Report Issue date	02/01/2025
	1. Upstream 2. Downstream		Sample Condition Sealed & Ice	2.0 Ltr & 250 ml each  Sampling Location iver (Upstream) (SW-3) iver (Downstream) (SW-4)		
Sampled by	mark to the same of the same o		Sample Code-SW-3 & 4			Preserved
Anacon Representative Mr. Bipla Giri		Sampling Date 21/12/2024	Sampling Time 3.40 pm & 4.10 pm			S 1. Koina River
Sampling Proces	edure ANtd/7.2/Mon-01		Weather Condition			2. Koina River Satisfactory

			. LOT KLOULIS			
S.N.	.N. Test Parameter	Measurement Unit	Test Method	Standards as per IS	Test	Result
_		Onit	2296:1992	SW-3	SW-4	
		Disci	pline : Chemical Grou	Class C		
1	Dissolved Oxygen	2.001	Grou	up : Water		
<i>.</i>	( T. T.	mg/l	IS 3025 (Part 38)	10		
2	Total Suspended Solid (as TSS)	E .		4.0	6.7	6.3
		mg/l	IS 3025 (Part 17)	_		0.5
3	BOD (3 days at 27°C)		/17		26	21
4		mg/l	IS-3025 (Part 44) : 2023	3.0	2.04	270.00
4	Chemical oxygen demand	mg/l		0.0	2.61	2.53
III			IS-3025(Part-58)		7.39	0.47
•••	Discip	line : Chemical	Group : Desid			6.47
5	Hexa Chromium (as Cr <sup>+6</sup> )		Group : Residues	and contaminan	ts in water	
	rioxa ciriomiam (as Cr -)	mg/l	IS 3025 (Part 52)	0.05	The second of th	
-	Man with the company of the company		(, 41, 62)	0.05	BLQ (LOQ-0.01)	BLQ (100-0

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● BLQ= below limit of quantification. REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chiamay Garv uty Quality Ma

hager







TC-12998

#### Test Report

ULR	NoTC	12998	325	000	0000	601F	
Test	Report	No.:	AL	PI/	030	22025/7-44A	

est Report No. : ALPL	./03022025/7	-44A	dated 03/02/2025		Page 1	ge 1 of 2	
Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.  Sample Description Surface Water  Sampled by Anacon Representative  Inward Date Work Order No.  Sample Source 1. Upstream 2. Downstream Sampled by Anacon Representative		Sample Inward No.	ALPL/20012025/MON-36-W-6/4-1 & 2 20/01/2025 4700126596/962 date: 30.05.2024		Analysis Start	21/01/2025	
					Analysis End Report Issue date	27/01/2025 03/02/2025	
			Sample Particulars Sample Code-SW-1 & 2	Sample Condition Sealed & Ice Preserved	Quantity	antity Received	
		18/01/2025	Sampling Time 11.20 am & 11.45 am		Sampling Location ro River (Upstream) (SW-1) ro River (Downstream) (SW-2)		
Sampling Met	Sampling Method ANtd/7.2/Mon-01		Weather Condition		ry & Clear		

Weather Condition TEST RESULTS

			IEST RESULTS			
S.N.	Test Parameter	Measurement	Test Method	Standards as per IS	Test	Result
0	root, arameter	Unit Test Metriod	rest metriod	2296:1992 Class C	SW-1	SW-2
1			Discipline : Biological Grou	p : Water		
1	Coliform	MPN/100ml	IS 1622	5000	BLQ (LOQ-2)	BLQ (LOQ-2)
II			Discipline : Chemical Grou	p : Water		
2	pH value	-	IS 3025 (Part 11)	6.0 to 9.0	6.42 at 25°C	6.68 at 25°C
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	300	21	16
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1429	1278
5	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5	0.07	0.04
6	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	600	281	253
7	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	116.27	109.52
8	Nitrate (as NO₃)	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	23.81	16.48
9	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.26	0.21
10	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)
11	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
12	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager Authorized Signatories

Technical Manager

Chinmay Garway buty Quality Manager

Satisfactory & Clear

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



Vijay II Iron Ore Mines M/s TATA Steel Limited

Badajamda-833 221.

Sample Description

Surface Water

### Angcon Laboratories



Page 2 of 2



TC-12998

#### Test Report

ULR No.-TC1299825000000601F

Sampled by

Anacon Representative

Mr. Biplab Giri

Sampling Method

Test Report No.: ALPL/03022025/7-44A Issued To:

Sample Inward No. **Inward Date** 

Sampling Date

dated 03/02/2025

ALPL/20012025/MON-36-W-6/4-1 & 2 20/01/2025

4700126596/962 date: 30.05.2024

Analysis End Report Issue date

Analysis Start

27/01/2025 03/02/2025

21/01/2025

Work Order No. Sample Source Sample Particulars Sample Condition Quantity Received Sealed & Ice 1. Upstream 2. Downstream Sample Code-SW-1 & 2 2.0 Ltr & 250 ml each

Preserved Sampling Time Sampling Location

Karo River (Upstream) (SW-1) 18/01/2025 11.20 am & 11.45 am Karo River (Downstream) (SW-2) ANtd/7.2/Mon-01 Weather Condition Satisfactory & Clear

TEST RESULTS

		Measurement	TEGT RESSE	1	Toot	Danulá
S.N.	Test Parameter		Test Method	Standards as per IS	Test Result	
	*	Unit		2296:1992 Class C	SW-1	SW-2
I		Discipline : Cl	hemical Gro	up : Residues and contam	inants in water	<u> </u>
13	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.46	0.41
14	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.002)
15	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
16	Arsenic (as As)	mg/l	3025 (Part 2)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
17	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
18	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
19	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	-	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
20	Manganese (as Mn)	mg/l	IS 3025 (Part 2)		BLQ (LOQ-0.02)	BLQ (LOQ-0.02)

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

Liability of Anacon Labs is limited to invoiced amount only. 

Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. 

Image: "Manage of the sample of the samp

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

hinmay Ganvay ity Quality N Vanager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

#### Test Report

Test Report No. : A	LPL/0302202	5/7-44B	dated 03/02/2025		Page 1 of 1	
ssued To : Vijay II Iron Ore Mines		Sample Inward No.	ALPL/20012025/MON-36-W-6/4-1 & 2		Analysis Start	21/01/2025
M/s TATA Steel Limited Badajamda-833 221.		Inward Date 20/01/2025 Work Order No. 4700126596/962 date: 30.05.2024		Analysis End Report Issue date	27/01/2025 03/02/2025	
NAME OF TAXABLE OF TAX		m 2. Downstream	Sample Particulars Sample Code-SW-1 & 2	Sample Condition Sealed & Ice Preserved	Quantity Received 2.0 Ltr & 250 ml each	
Sampled by         Sampling Date           Anacon Representative Mr. Biplab Giri         18/01/2025           Sampling Method         ANtd/7.2/Mon-01			Sampling Time 11.20 am & 11.45 am	Sampling Location		
		Weather Condition	Satisfactory & Clear			
9			TEST RESULTS			

		Measurement	TEST RESULTS	Standards as	Test	Result
S.N.	Test Parameter	Unit	Test Method	per IS 2296:1992 Class C	SW-1	SW-2
I		Disci	oline : Chemical Gro	up : Water	7	
1	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.1	5.8
2	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)	40	18	14
3	BOD (3 days at 27°C)	mg/l	IS-3025 (Part 44) : 2023	3.0	2.64	2.52
4	Chemical oxygen demand	mg/l	IS-3025(Part-58)	-	7.81	6.97
11	Discip	oline : Chemical	Group : Residue	100000000	0.01	
5	Hexa Chromium (as Cr <sup>+6</sup> )	mg/l	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ= below limit of quantification.

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Ganway Deputy Quality Mahager







TC-12998

#### Test Report

ULR No.-TC1299825000000602F Test Report No.: ALPL/03022025/7-45A dated 03/02/2025 Page 1 of 2 Issued To: Sample Inward No. **Analysis Start** 21/01/2025 ALPL/20012025/MON-36-W-6/4-3 & 4 Vijay II Iron Ore Mines M/s TATA Steel Limited **Inward Date** 20/01/2025 Analysis End 27/01/2025 Badajamda-833 221. Work Order No. 4700126596/962 date: 30.05.2024 Report Issue date 03/02/2025 Sample Description Sample Source Sample Particulars Sample Condition Quantity Received Surface Water Sealed & Ice 1. Upstream 2. Downstream Sample Code-SW-3 & 4 2.0 Ltr & 250 ml each Preserved Sampled by Sampling Date Sampling Time Sampling Location Anacon Representative Mr. Biplab Giri Koina River (Upstream) (SW-3) 18/01/2025 2.20 & 2.45 pm Koina River (Downstream) (SW-4) Sampling Procedure ANtd/7.2/Mon-01 Weather Condition Satisfactory & Clear

S.N.	Test Parameter	Measurement		Standards	Test Result	
		Unit	Test Method	as per IS 2296:1992 Class C	SW-3	SW-4
1			Discipline : Biological Grou	p : Water		
1	Coliform	MPN/100ml	IS 1622	5000	BLQ (LOQ-2)	BLQ (LOQ-2)
II			Discipline : Chemical Grou	p : Water	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DEG (20G-2)
2	pH value	-	IS 3025 (Part 11)	6.0 to 9.0	6.87 at 25°C	7.16 at 25°C
3	Colour	Hazen units	IS 3025 (Part 4) Clause 4	300	26	18
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1387	1193
5	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5	0.09	0.07
6	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	600	287	264
7	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	163	152
8	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	21.53	17.46
9	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.42	NAME OF TAXABLE
10	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	0.38
11	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)
12	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.001) BLQ (LOQ-0.01)

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Poeja Kathane Technical Manager

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.







TC-12998

#### Test Report

ULR No.-TC1299825000000602F Test Report No.: ALPL/03022025/7-45A dated 03/02/2025 Page 2 of 2 Issued To: Sample Inward No. Analysis Start 21/01/2025 ALPL/20012025/MON-36-W-6/4-3 & 4 Vijay II Iron Ore Mines M/s TATA Steel Limited Inward Date 20/01/2025 Analysis End 27/01/2025 Badajamda-833 221 Work Order No. 4700126596/962 date: 30.05.2024 Report Issue date 03/02/2025 Sample Description Sample Source Sample Particulars Sample Condition **Quantity Received** Surface Water Sealed & Ice 1. Upstream 2. Downstream Sample Code-SW-3 & 4 2.0 Ltr & 250 ml each Preserved Sampled by Sampling Date Sampling Time Sampling Location Anacon Representative Mr. Biplab Giri 1 Koina River (Upstream) (SW-3) 18/01/2025 2.20 & 2.45 pm Koina River (Downstream) (SW-4) Sampling Procedure ANtd/7.2/Mon-01 Weather Condition Satisfactory & Clear

S.N.	Test Parameter	Measurement	Test Method	Standards as per IS	Test	Test Result		
		Unit		2296:1992 Class C	SW-3	SW-4		
Ш	312	Discipline : CI	hemical Grou	p : Residues and contamir	nants in water	300000000000000000000000000000000000000		
13	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.43	0.38		
14	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.002)		
15	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.002)		
16	Arsenic (as As)	mg/l	3025 (Part 2)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)		
17	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)			
18	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.01)		
19	Mercury (as Hg)	mg/l	Antr/7.2/Res.Inorg/01	10		BLQ (LOQ-0.02)		
20	Manganese (as Mn)	mg/l	IS 3025 (Part 2)		BLQ (LOQ-0.001) BLQ (LOQ-0.02)	BLQ (LOQ-0.001) BLQ (LOQ-0.02)		

NOTES: • Please see watermark \*Original Test Report\* to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'.

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Pradriya Pillewan Deputy Technical Manager Signatory

**Authorized Signatory** 

Peoja Kathane Technical Manager

----End of Report----

Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

## Test Report

Test Report No. : ALF	L/0302202	0/7-45B		dated 03/02/2025				Page 1 of 1		
Issued To : Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		Inward Date 20/01/2		ALPL/2	0012025/MON	N-36-W-6/4-3 & 4		Analysis Start	21/01/2025	
				/2025 126596/962 date: 30.05.2024			Analysis End Report Issue date	27/01/2025 03/02/2025		
Sample Description		Sample Source		Sample Particulars Sample Condition						
Surface Water	1. Upstre	am 2. Downstream		Sample Code-SW-3 & 4		Sealed & Ice Preserved		2.0 Ltr & 250 ml each		
Sampled	by		Sampling Date		Sampling Time			Sampling Loca	tion	
Anacon Representative Mr. Biplab Giri Sampling Procedure		Giri	iiri 18/01/2025		2.20	& 2.45 pm	1. 2.	<ol> <li>Koina River (Upstream) (SI</li> <li>Koina River (Downstream) (</li> </ol>		
		ANtd/7.2	2/Mon-01 Weather Condit		r Condition	Satisfactory & Clear				

			TEST RESULTS				
S.N.	Test Parameter	Measurement	22	Standards as per	Test Result		
3.N.	rest Parameter	Unit	Test Method	IS 2296:1992 Class C	SW-3	SW-4	
I		Disc	ipline : Chemical	Group : Water			
1	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.5	6.2	
2	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)	//-	28	24	
3	BOD (3 days at 27°C)	mg/l	IS-3025 (Part 44) : 2023	3.0	2.73	2.64	
4	Chemical oxygen demand	mg/l	IS-3025(Part-58)	-	8.26	7.92	
III	Discip	oline : Chemical	WWW.				
5	Hexa Chromium (as Cr <sup>+6</sup> )	mg/l	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be limit of quantification.

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Garwey Deputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC129982500001136F

Test Report No.: ALPL/03032025/7-39A

dated 03/03/2025

Page 1 of 2

Issued To: Vijay II Iron Ore Mines M/s TATA Steel Limited

Sample Inward No.

ALPL/270225/W-1/34-31 & 32

Analysis Start

Badajamda-833 221.

**Inward Date** Work Order No. 27/02/2025 4700126596/962 date: 30.05.2024

Analysis End Report Issue date

03/03/2025 03/03/2025

27/02/2025

Sample Description Surface Water

Sample Source 1. Upstream 2. Downstream

Sample Particulars Sample Code-SW-1 & 2

Sample Condition Sealed & Ice Preserved

**Quantity Received** 

2.0 Ltr & 250 ml each

Sampled by Anacon Representative Mr. Biplab Giri Sampling Method

Sampling Date 22/02/2025

ANtd/7.2/Mon-01

Sampling Time 11.20 am & 11.45 am Weather Condition

Sampling Location Karo River (Upstream) (SW-1)

Karo River (Downstream) (SW-2)

Satisfactory & Clear

**TEST RESULTS** 

S.N.	Test Parameter	Measurement		Standards	Test	Result		
3.N.	rest Parameter	Unit	Test Method	as per IS 2296:1992 Class C	SW-1	SW-2		
1			Discipline : Biological Grou	p : Water				
1	Coliform	/100ml	IS 15185	5000	Absent	Absent		
11	Discipline : Chemical Group : Water							
2	pH	-	IS 3025 (Part 11)	6.0 to 9.0	6.53	6.71		
3	Colour	Hazen	IS 3025 (Part 4) Clause 4	300	10	5		
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1384	1164		
5	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	600	271	264		
6	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	153	149		
7	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	21.64	16.73		
8	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.27	0.18		
9	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)		
10	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)		
11	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)		

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Pooja Kathane Technical Manager

hinmay Garway ity Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.







<u>ort</u> TC-12998

# Test Report

ULR No.-TC129982500001137F

Test Report No. : ALP	L/03032025	/7-40A		dated 03/03/2025 Page 1 d		Page 1 of	2		
Issued To: Vijay II Iron Ore Mines Sample Inward No.		ALPL/2	70225/W-1/34	1-33 & 34		Analysis Start	27/02/2025		
M/s TATA Steel Limited Badajamda-833 221.			ard Date       27/02/2025         rk Order No.       4700126596/962 date: 30.05.2024					Analysis End Report Issue date	03/03/2025 03/03/2025
Sample Description	Sam	Sample Source		Sample Particulars Sample Cond		tion	Quantity Received		
Surface Water	1. Upstrea	am 2. D	ownstream	Sample Code	e-SW-3 & 4	Sealed & Ico Preserved	е	2.0 Ltr & 250 ml each	
Sampled	Sampled by San		Sampli	ng Date Sampling Tim		pling Time		Sampling Loca	tion
Anacon Representative Mr. Biplab Giri		22/02/2025 4 pn		n to 5 pm	1 2	<ul> <li>Koina River (Upsti Koina River (Down</li> </ul>			
Sampling Procedure A		ANtd/7.2	2/Mon-01 Weather		er Condition		Satisfactory & Cle		

			TEST RESULTS			
S.N.	Test Parameter	Measurement	Test Method	Standards as per IS	Test	Result
J.N.	rest raiameter	Unit	Discipline : Biological Grou	2296:1992 Class C	SW-3	SW-4
I						
1	Coliform	/100ml	IS 15185	5000	Absent	Absent
, II			Discipline : Chemical Grou	p : Water		
. 2	pH	-	IS 3025 (Part 11)	6.0 to 9.0	6.92	7.21
3	Colour	Hazen	IS 3025 (Part 4) Clause 4	300	20	10
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1428	1173
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	600	281	257
6	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	193	164
7	Nitrate (as NO₃)	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	17.32	12.81
8	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.37	0.29
9	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)
10	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
11	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
	*					

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Pooja Kathane Technical Manager

Chinmay Garway Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







#### TC-12998

#### Test Report

Ш	R No	-TC12	99825	500000	914F

Test Report No.: ALPL/03032025/1-51A dated: 03/03/2025

ALPL/250225/W-2/50-45 & 46

**Analysis Start** Analysis End

26/02/2025 03/03/2025

Issued To: M/s Joda East Iron Mines (M/s TATA Steel Limited)

Sample Inward No. Inward Date Work Order No.

25/02/2025 4700126596/962-30.05.2024

Sample Particulars

Sample Condition

Report Issue Date **Quantity Received** 

03/03/2025

Sample Description Surface Water Sampled by

Sample Source 1. Upstream 2. Downstream Sampling Date

Sample Code-SW-1 & 2 Sampling Time

Sealed & Ice Preserved

2.0 Ltr & 250 ml each Sampling Location

Page 1 of 2

Anacon Representative Mr. Suveer Bhoi as per Sampling Method No.ANtd/7.2/MON-01

22/02/2025

2.30 pm & 2.45 pm

Kundra Nallah (Nr. Joda Pump House) (SW-1) Kundra Nallah (Nr. Banaikala Village) (SW-2)

TECT DECLU TO

		Measurement		Standards as per IS	Test R	esult
S.N.	Test Parameter	Unit	Test Method	2296:1992 Class C	SW-1	SW-2
I			Discipline : Biological Gro	up : Water		
1	Coliform	/100ml	IS 15185	5000	Absent	Absent
II			Discipline : Chemical Gro	up : Water		
2	рН	-	IS 3025 (Part 11)	6.0 to 9.0	7.84	7.67
3	Colour	Hazen	IS 3025 (Part 4) Clause 4	300	20	10
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1297	1152
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	600	246	182
6	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	198	173
7	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	32.68	28.41
8	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.57	0.46
9	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)
10	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
11	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)

<sup>☐</sup> Please refer last Page for Note and Remarks.

Verified By

**Technical Manager** 

**Authorized Signatories** 

Pooja Kathane Technical Manager

hinmay Garw ty Quality Mahager







TC-12998

#### Test Report

ULR No.-TC129982500001137F

Page 1 of Test Report No.: ALPL/03032025/7-40A dated 03/03/2025 **Analysis Start** 27/02/2025 Issued To: Sample Inward No. ALPL/270225/W-1/34-33 & 34 Vijay II Iron Ore Mines 03/03/2025 **Inward Date** Analysis End M/s TATA Steel Limited 27/02/2025 Badajamda-833 221. Report Issue date 03/03/2025 Work Order No. 4700126596/962 date: 30.05.2024 Sample Condition **Quantity Received** Sample Description Sample Source Sample Particulars Sealed & Ice 2.0 Ltr & 250 ml each 1. Upstream 2. Downstream Sample Code-SW-3 & 4 Surface Water Preserved Sampling Date Sampling Time Sampling Location Sampled by Koina River (Upstream) (SW-3) 22/02/2025 Anacon Representative Mr. Biplab Giri 4 pm to 5 pm Koina River (Downstream) (SW-4) Weather Condition ANtd/7.2/Mon-01 Satisfactory & Clear Sampling Procedure

		·	TEST RESULTS						
		Measurement	T4 M-41	Standards as per IS	Test F	Result			
S.N.	Test Parameter	Unit	Test Method	2296:1992 Class C	SW-3	SW-4			
1			Discipline : Biological Grou	p : Water					
1	Coliform	/100ml	IS 15185	5000	Absent	Absent			
Ш	Discipline : Chemical Group : Water								
2	pH	-	IS 3025 (Part 11)	6.0 to 9.0	6.92	7.21			
3	Colour	Hazen	IS 3025 (Part 4) Clause 4	300	21	16			
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1428	1173			
5	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	600	281	257			
6	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	193	164			
7	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	17.32	12.81			
8	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.37	0.29			
9	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)			
10	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)			
11	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)			
	I .	1		1	1				

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Pooja Kathane Phinmay Garway
Technical Manager Poputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







TC-12998

#### Test Report

ULR No.-TC129982500001137F

Test Report No.: ALPL/03032025/7-40A dated 03/03/2025 Page 2 of 2 Analysis Start 27/02/2025 Issued To: Sample Inward No. ALPL/270225/W-1/34-33 & 34 Vijay II Iron Ore Mines M/s TATA Steel Limited **Inward Date** 27/02/2025 Analysis End 03/03/2025 Report Issue date Badajamda-833 221. Work Order No. 4700126596/962 date: 30.05.2024 03/03/2025 Sample Description Sample Source Sample Particulars Sample Condition **Quantity Received** Sealed & Ice Surface Water 1. Upstream 2. Downstream Sample Code-SW-3 & 4 2.0 Ltr & 250 ml each Preserved Sampled by Sampling Date Sampling Time Sampling Location 1. Koina River (Upstream) (SW-3) 22/02/2025 Anacon Representative Mr. Biplab Giri 4 pm to 5 pm Koina River (Downstream) (SW-4) Weather Condition Sampling Procedure ANtd/7.2/Mon-01 Satisfactory & Clear

S.N.	Test Parameter	Measurement	Test Method	Standards as per IS	Test Result		
S.N.	rest raidilletei	Unit	rest wethou	2296:1992 Class C	SW-3	SW-4	
III		Discipline	: Chemical	Group : Residues in wa	ater	3	
12	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.43	0.36	
13	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.002)	
14	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	
15	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	
16	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	
17	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)	
18	Mercury (as Hg)	mg/l	IS: 3025 (Part 48)		BLQ (LOQ-0.001)	BLQ (LOQ-0.001)	
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)		BLQ (LOQ-0.02)	BLQ (LOQ-0.02)	
20	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5	0.07	0.04	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Liability of Anacon Labs is limited to invoiced amount only. Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. If you will be quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, the sample was tested for the above parameters only. The sample of above reference complies with requirement as per IS: 2296:1992 Class C, for tests conducted only.

Verified By

Prachya Pillewan Deputy Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Garway puty Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

#### Test Report

Test Report No. : ALP	L/03032025/7	7-40B	dated 03/	03/2025			Page 1 of	1
Issued To : Vijay II Iron Ore Mines		Sample Inward No.	ALPL/2	70225/W-1/34	1-33 & 34		Analysis Start	27/02/2025
M/s TATA Steel Limited	1	nward Date	27/02/20	025			Analysis End	03/03/2025
Badajamda-833 221.		Work Order No.	4700126	6596/962 date	e: 30.05.2024		Report Issue date	03/03/2025
Sample Description	Sample Description Sample Source		Sample Particulars Sample Condition		Quantity Received			
Surface Water	Surface Water 1. Upstream 2. Do		ownstream Sample Code-SW-3 & 4		Sealed & Ic Preserved	TE.//	2.0 Ltr & 250	ml each
Sampled	by	Sampli	ing Date Sampling Time			Sampling Location		
Anacon Representative Mr. Biplab Giri		Giri 22/02	22/02/2025		4 pm to 5 pm		<ol> <li>Koina River (Upstream) (SW-3)</li> <li>Koina River (Downstream) (SW-4)</li> </ol>	
Sampling Pro	cedure	ANtd/7.2	2/Mon-01	Weath	er Condition	- CONT.	Satisfactory & Cle	ar
			TEST	RESULTS		A W	·	

		Measurement		Standards as per	Test Result		
S.N.	Test Parameter	Test Method		IS 2296:1992 Class C	SW-3	SW-4	
ı		Disc	ipline : Chemical	Group : Water			
1	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.4	6.1	
2	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)		24	21	
3	BOD (3 days at 27°C)	mg/l	IS-3025 (Part 44): 2023	3.0	2.81	2.73	
4	Chemical oxygen demand	mg/l	IS-3025(Part-58)		7.93	6.81	
III		Discipline : C	hemical Gro	up : Residues in wate	er		
5	Hexa Chromium (as Cr <sup>+6</sup> )	mg/l	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ= below limit of quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, the sample was tested for the above parameters only. The sample of above reference complies with requirement as per IS: 2296:1992 Class C, for tests conducted only.

Verified By

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinnay Garway puty Quality Manager







TC-12998

#### Test Report

ULR No.-TC129982500001553F

Sampled by

Anacon Representative

Mr. Biplab Giri

Sampling Method

Test Report No.: ALPL02042025/7-44A

dated 02/04/2025

Page 1 of 2

Issued To : Sample Inward No.

Sample Inward No.

Sampling Date

22/03/2025

ANtd/7.2/Mon-01

ALPL/250325/W-4/42-36 & 37

Analysis Start

25/03/2025

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

Inward Date Work Order No. 25/03/2025 4700126596/962 date: 30.05.2024 Analysis End Report Issue date 31/03/2025 02/04/2025

Badajamda-833 221.
Sample Description

Sample Source

Sample Particulars

Sample Condition Sealed & Ice Preserved Quantity Received

2.0 Ltr & 250 ml each

Sample Description
Surface Water

Upstream 2. Downstream

Sample Code-SW-1 & 2
Sampling Time
11.35 am & 11.50 am

Sampling Location
Karo River (Upstream) (SW-1)

Karo River (Downstream) (SW-2)

Satisfactory & Clear

Weather Condition
TEST RESULTS

	ii ii	Measurement		Standards	Test Result		
S.N.	Test Parameter	Test Parameter Test Method Unit	Test Method	as per IS 2296:1992 Class C	SW-1	SW-2	
1			Discipline : Biological Group	: Water			
1	Coliform	/100ml	IS 15185	5000	Absent	Absent	
II			Discipline : Chemical Grou	o: Water			
2	pH	170	IS 3025 (Part 11)	6.0 to 9.0	6.71	6.82	
3	Colour	Hazen	IS 3025 (Part 4) Clause 4	300	12	6	
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1426	1382	
5	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	600	306	294	
6	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	164	152	
7	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	23.91	18.43	
8	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.28	0.21	
9	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005	
10	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)	
11	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager Authorized Signatories

Pooja Kathane Technical Manager

Chinmay Garway Deputy Quality Manager







TC-12998

## Test Report

ULR No.-TC129982500001553F

Test Report No.: ALPL02042025/7-44A dated 02/04/2025 Page 2 of 2 Issued To: Analysis Start 25/03/2025 Sample Inward No. ALPL/250325/W-4/42-36 & 37 Vijay II Iron Ore Mines M/s TATA Steel Limited **Inward Date** 25/03/2025 Analysis End 31/03/2025 Badajamda-833 221 Work Order No. 4700126596/962 date: 30.05.2024 Report Issue date 02/04/2025 Sample Description Quantity Received Sample Source Sample Particulars Sample Condition Sealed & Ice Surface Water 1. Upstream 2. Downstream Sample Code-SW-1 & 2 2.0 Ltr & 250 ml each Preserved Sampled by Sampling Date Sampling Time Sampling Location Anacon Representative Karo River (Upstream) (SW-1) 22/03/2025 11.35 am & 11.50 am Mr. Biplab Giri Karo River (Downstream) (SW-2) ANtd/7.2/Mon-01 Weather Condition Sampling Method Satisfactory & Clear

ı	ES	1	ĸ	ES	U	L	I	S
						_	_	_

S.N.	Test Parameter	Measurement	Test Method	Standards as per IS	Test	Result
		Unit		2296:1992 Class C	SW-1	SW-2
1	Discipline : Chemical		Group : Residues in	water		
12	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.46	0.36
13	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.002)
14	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
15	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
16	Lead (as Pb)	mg/l	3025 (Part 2)	0.1	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
17	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
18	Mercury (as Hg)	mg/l	IS: 3025 (Part 48)	-	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	-	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
20	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5	0.07	0.04

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to involced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. BLQ= below limit of quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, the sample was tested for the above parameters only. The sample of above reference complies with requirement as per IS: 2296:1992 Class C, for tests conducted only.

Pradnya Pillewan Deputy Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Garway eputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥FP-34, 35, Food Park, Five Star Industrial Estate,
MIDC Butibori, Nagpur, Maharashtra, India-441 122
+91 8045685558 Email: info@anacon.in

ttps://www.anaconlaboratories.com

Test Report

	LPL0204202		dated 02/04/2025		Page 1	01 1
ssued To : Vijay II Iron Ore Mines		Sample Inward No.	ALPL/250325/W-4/42	-36 & 37	Analysis Start	25/03/2025
M/s TATA Steel Limited Badajamda-833 221.	t	Inward Date Work Order No.	25/03/2025 4700126596/962 date	: 30.05.2024	Analysis End Report Issue date	31/03/2025 02/04/2025
Sample Description Sa		ple Source	Sample Particulars	Sample Condition	Quantity Received	
Surface Water	1. Upstrea	m 2. Downstream	Sample Code-SW-1 & 2	Sealed & Ice Preserved	2.0 Ltr & 250 ml each	
Sampled b	y	Sampling Date	Sampling Time		Sampling Location	
Anacon Representative Mr. Biplab Giri		22/03/2025	11.35 am & 11.50 am	I Vara Birms (Hantonen) (CM) (1)		
Sampling Method ANtd/7.2/Mon-01		Weather Condition	Satisfactory & Clear			

S.N.	Test Parameter	Measurement	Took Mathead	Standards as per IS	Test Result		
O.IV.		Unit	Test Method	2296:1992 Class C	SW-1	SW-2	
1		Disci	oline : Chemical Gro	up : Water			
1	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.4	5.8	
2	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)		16	12	
3	BOD (3 days at 27°C)	mg/l	mg/l IS-3025 (Part 44) : 2023	3.0	2.62	2.51	
4	Chemical oxygen demand	mg/l	IS-3025(Part-58)		7.38	6.78	
II		Discipline : Ch	emical Group	: Residues in wate	er		
5	Hexa Chromium (as Cr <sup>+6</sup> )	mg/l	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Llability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ= below limit of quantification.

REMARKS: As requested by the client, the sample was tested for the above parameters only. The sample of above reference complies with requirement as per IS: 2296:1992 Class C, for tests conducted only.

Verified By

Snehal Raut Technical Manager Signatory

Technical Manager

----End of Report----

**Authorized Signatory** 

(0

Chinmay Garway Deputy Quality Manager





Satisfactory & Clear



TC-12998

#### Test Report

III R No	-TC129982500001554	F
OLIVINO.	-10120002000001001	

Sampling Procedure

Test Report No. : ALP	L02042025/7-45A		dated 02	2/04/2025		Page 1 of	2
Issued To : Vijay II Iron Ore Mines	Samp	le Inward No.	. ALPL/2	250325/W-4/42	-38 & 39	Analysis Start	25/03/2025
M/s TATA Steel Limited		d Date	25/03/2	2025		Analysis End	31/03/2025
Badajamda-833 221.	Work	Order No.	470012	26596/962 date	: 30.05.2024	Report Issue date	02/04/2025
Sample Description	Sample S	ource	Sample P	articulars	Sample Condition	Quantity R	eceived
Surface Water	1. Upstream 2. I	Downstream	Sample Cod	le-SW-3 & 4	Sealed & Ice Preserved	2.0 Ltr & 250	ml each
Sampled	by	Sampl	ing Date	Samp	ling Time	Sampling Loca	ation
Anacon Representativ	e Mr. Biplab Giri	22/0	3/2025	11.35 an	n & 11.50 am	Koina River (Upst     Koina River (Dow	

ANtd/7.2/Mon-01 Weat

Weather Condition

		Measurement		Standards	Test Result		
S.N.	Test Parameter	Unit	Test Method	as per IS 2296:1992 Class C	SW-3	SW-4	
1		•	Discipline : Biological Group	: Water			
1	Coliform	/100ml	IS 15185 5000		Absent	Absent	
II			Discipline : Chemical Group	: Water			
2	pH	. <del></del>	IS 3025 (Part 11)	6.0 to 9.0	6.84	7.31	
3	Colour	Hazen	IS 3025 (Part 4) Clause 4	300	16	14	
4	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16)	1500	1357	1194	
5	Chloride (as CI)	mg/l	IS 3025 (Part 32) Clause 2	600	236	182	
6	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	400	164	147	
7	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/sec 1) Clause 6.4	50	16.93	13.82	
8	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec 1) Clause 6	1.5	0.31	0.27	
9	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	BLQ (LOQ-0.005)	BLQ (LOQ-0.005)	
10	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.005	BLQ (LOQ-0.001)	BLQ (LOQ-0.001)	
11	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	1.0	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)	

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut Technical Manager **Authorized Signatories** 

Pooja Kathane Technical Manager

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.







TC-12998

#### Test Report

dated 02/04/2025

ULR No.-TC129982500001554F Test Report No. : ALPL02042025/7-45A Issued To :

Sample Inward No.

ALPL/250325/W-4/42-38 & 39

Page 2 of 2 Analysis Start

25/03/2025

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

Inward Date

5/03/2025

Analysis End

31/03/2025

Sample Description
Surface Water

Work Order No.
Sample Source

1. Upstream 2. Downstream

4700126596/962 date: 30.05.2024 Sample Particulars | Sample C

Sample Code-SW-3 & 4

Sample Condition Sealed & Ice Preserved Report Issue date 02/04/2025 Quantity Received

Quantity Received 2.0 Ltr & 250 ml each

Sampled by
Anacon Representative Mr. Biplab Giri

Sampling Procedure

Sampling Date 22/03/2025 ANtd/7.2/Mon-01 Sampling Time 11.35 am & 11.50 am Sampling Location Koina River (Upstream)

Koina River (Upstream) (SW-3) Koina River (Downstream) (SW-4)

Weather Condition

Satisfactory & Clear

		Lan	TEST RESULTS			
S.N.	Test Parameter	Measurement Unit	Test Method	Standards as per IS 2296:1992 Class C	Test Result	
					SW-3	SW-4
Ш	Discipline : Chemical			Group : Residues in water		
12	Iron (as Fe)	mg/l	IS 3025 (Part 2)	0.5	0.42	0.31
13	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.01	BLQ (LOQ-0.002)	BLQ (LOQ-0.002)
14	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.05	BLQ (LOQ-0.01)	A STATE OF S
15	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.2	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
16	Lead (as Pb)	mg/l	3025 (Part 2)	0.1		BLQ (LOQ-0.01)
17	Zinc (as Zn)	mg/l		1 222	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)
40		Trig/1	IS 3025 (Part 2)	15	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
18	Mercury (as Hg)	mg/l	IS: 3025 (Part 48)	-	BLQ (LOQ-0.001) .	BLQ (LOQ-0.001)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	-	BLQ (LOQ-0.02)	BLQ (LOQ-0.02)
20	Copper (as Cu)	mg/l	IS 3025 (Part 2)	1.5	0.06	0.04

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. 

Mon-perishable and perishable sample(s) shall be disposed off below limit of quantification, LOQ= limit of quantification.

REMARKS: As requested by the client, the sample was tested for the above parameters only. The sample of above reference complies with requirement as per IS: 2296:1992 Class C, for tests conducted only.

Verified By

Pradnya Pillewan Deputy Technical Manager Signatory

Pooja Kathane Technical Manager

--End of Report----

**Authorized Signatory** 

Phinmay Garway

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India-441 122 +91 8045685558 Email: info@anacon.in https://www.anaconlaboratories.com

#### Test Report

Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.  Sample Description Surface Water  Sample Source Sample Code-SW-3 & 4  Sample Description Surface Water  Sample Description Sample Source Sample Code-SW-3 & 4  Sample Code-SW-3 & 4  Sample Description Sample Source Sample Code-SW-3 & 4  Sample Inward No.  Analysis End 31/03/20  Report Issue date 02/04/20  Sample Code-SW-3 & 4  S	Test Report No. : ALP	L02042025	7-45B —		dated 02	/04/2025		_	Page 1 of	1
M's TATA Steel Limited Badajamda-833 221.  Sample Description Surface Water  Sampled by Anacon Representative Mr. Biplab Giri  Inward Date 25/03/2025 Work Order No. 4700126596/962 date: 30.05.2024  Analysis End 31/03/20 Report Issue date 02/04/20  Sample Condition Sealed & Ice Preserved  Sample Code-SW-3 & 4  Sample Code-SW-3 & 4  Sampling Time  1. Koina River (Upstream) (SW Koina River (Downstream) (SW Koina River (Do			Sample I	nward No.	ALPL/2	50325/W-4/42	2-38 & 39	1	Analysis Start	25/03/2025
Sample Description Surface Water  1. Upstream 2. Downstream Sample Code-SW-3 & 4  Sample	M/s TATA Steel Limited				25/03/2	025		1	Analysis End	31/03/2025
Surface Water 1. Upstream 2. Downstream Sample Code-SW-3 & 4 Sealed & Ice Preserved 2.0 Ltr & 250 ml each Sampled by Sampling Date Sampling Time Anacon Representative Mr. Biplab Giri 22/03/2025 11.35 am & 11.50 am 1. Koina River (Upstream) (SW Koina River (Downstream) (SW Koin	Badajamda-833 221.		Work Or	der No.	470012	6596/962 date	e: 30.05.2024	F	Report Issue date	02/04/2025
Anacon Representative Mr. Biplab Giri 22/03/2025 11.35 am & 11.50 am 1. Koina River (Upstream) (SV 2. Koina River (Downstream)		5530100	50m; 1073 (F), 100 (F) (F) (F) (F) (F) (F)		Sample Code-SW-3 & 4 Sealed & Ice		on	SAME STATE OF THE SAME AND AND SAME AS A SAME AND SAME AN		
	No. 1000 Section Section Company		Giri	10000	The state of the s			1. 2.	Koina River (Upst	ream) (SW-3)
Sampling Procedure ANtd/7.2/Mon-01 Weather Condition Satisfactory & Clear	Sampling Procedure			ANtd/7.2			ner Condition		Satisfactory & Clear	

		Measurement		Standards as per	Test Result	
S.N.	Test Parameter	Unit	Test Method	IS 2296:1992 Class C	SW-3	SW-4
1		Disc	ipline : Chemical	Group : Water		
1	Dissolved Oxygen	mg/l	IS 3025 (Part 38)	4.0	6.3	6.2
2	Total Suspended Solid (as TSS)	mg/l	IS 3025 (Part 17)	43-	26	24
3	BOD (3 days at 27°C)	mg/l	IS-3025 (Part 44): 2023	3.0	2.71	2.68
4	Chemical oxygen demand	mg/l	IS-3025(Part-58)	- W	6.91	5.82
Ш		Discipline : C	hemical Gro	up : Residues in water	er	
5	Hexa Chromium (as Cr*6)	mg/l	IS 3025 (Part 52)	0.05	BLQ (LOQ-0.01)	BLQ (LOQ-0.01)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BLQ= below limit of quantification.

REMARKS: As requested by the client, the sample was tested for the above parameters only. The sample of above reference complies with requirement as per IS: 2296:1992 Class C, for tests conducted only.

Snehal Raut Technical Manager

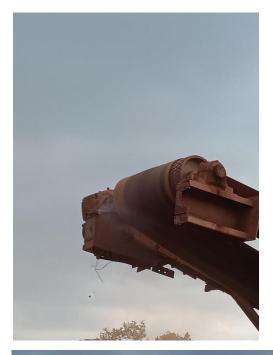
Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Garway outy Quality Manager

Annexure- 10
Fugitive Dust Suppression Measures













#### JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004 Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Dated: 2024-12-25

Ref No. JSPCB/HO/RNC/CTO-19937038/2024/1989

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2024-09-18 of Vijay-II Iron Ore Mines(Tata Steel Limited), Occupier Name: Rajeev Kumar for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act, 1981..

#### 2. Documents Relied Upon:

- (a)The content of Environmental Clearance (EC), Ref No. J-11015/48/2001-IA.II(M) dated 19.04.2005, Corrigendum even letter dated 29.05.2006, Corrigendum even letter dated 02.02.2007 & Ref No. J-11015/507/2007-IA.II(M) dated 22.12.2008 issued by MoEF, Govt. of India, New Delhi.
- (b)The content of Consent-to-Establish (CTE), Ref No. N-227, dated 17.04.2004 & Ref. No. 3676 Ranchi, Dated 11.10.2007 in the name of M/S Usha Martin Limited.
- (c)The content of Consent to Operate (CTO) vide Ref No. JSPCB/HO/RNC/CTO-17803141/2023/2062 Dated: 2023-12-12 At- As per EC Area As per EC Investment 13580.375 lac for Iron Ore -2.5 Million Ton/annum valid till 31/12/2024 in the name of Vijay-II Iron Ore Mines (M/S Tata Steel Long Products Limited); with compliance report and Photographs showing compliance.
- (d) The content of Inspection report (IR) vide Ref. 1215 dated 26.10.2024 of Regional Officer, JSPC Board, Jamshedpur;
- (e) The content of Environmental Clearance (EC) was granted to M/S Vijay-II Iron Ore Mines project of M/S Usha Martin Limited vide F.No- J-11015/1507/2007-IA-II(M), dated 22 DEC 2008, which was transferred to M/S Tata Steel Limited vide F.No- J-11015/1507/2007-IA-II(M), dated 02/07/2024.
- (f) The content of the first mining lease was granted to M/S Vijay-II Iron Ore Mines project of M/S Usha Martin Limited by the State Government of Jharkhand for 20 years, from 18/08/2005 to 17/08/2025, which was transferred to M/S Tata Steel Ltd. vide 2019/CHA/144/18K1/417 dated 11/08/2019. The unit has also submitted a letter to the DMO Chaibasa, West Singhbhum, seeking extension as per the MMDR Amendment Act, 2015, for a period of the next 30 years. As per the approved mining plan, it is valid up to 31/03/2025
- (g) The content of Approval of Modification and review of Mining Plan alongwith Progressive Mine Closure Plan in respect of VIJAY II Iron ore mine over an area of 155.078 hectares located in Village Ghatkuri, Taluka & P.S.- Noamundi, Dist- West Singhbhum via Ref. RAN/WSB/Fe/MP-35/2019-20 dated 22.09.2020 from Indian Bureau of Mines, Ministry of Mines, Govt. of India.
- 3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Ghatkhuri RF, PS -, District -WEST SINGHBHUM, as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To
Before Expansion	As per EC	As per EC	13580.375 lac	Iron Ore -2.5 Million Ton/annum	17/08/2025

#### (A) Specific Conditions:

- 1. That, the occupier shall establish and operate well equipped environmental laboratory with facilities to monitor at least all regulatory parameters and duly accredited by NABL/ISO 9001 with OHSAS 18001.
- 2. That, the occupier shall comply all the conditions imposed in Environmental Clearance issued vide letter No. J-11015/48/2001-IA.II(M) dated 19.04.2005, Corrigendum even letter dated 29.05.2006, Corrigendum even letter dated 02.02.2007 & Ref No. J-11015/507/2007-IA.II(M) dated 22.12.2008 issued by MOEF, Govt. of India within the consent period.
- 3. That, the occupier shall comply with the condition of clearance under Forest (Conservation) Act, 1980 stipulated by MOEF vide letter no. 12 (21) 51/2004-FCE dated 12.07.2005 & letter no. F.No. 8- 88/2007-FC(Pt) dated 09.11.2012
- 4. That, the occupier shall submit a copy of six monthly report regarding compliance of conditions imposed in Environmental Clearance which is presently being submitted to Regional Office, MOEF, Govt. of India, Bhuwneshwar.
- 5. That, the occupier shall take appropriate mitigative measures to prevent pollution of Karo river and the Koina river.
- 6. That, the occupier shall do sprinkling of water time to time on haul roads and dusty areas.
- 7. That, the occupier shall reclaim the mined out area and plantation should be done at the reclaimed site.
- 8. That, the over burden dump shall be made in accordance with conditions imposed in Environmental Clearance. Retaining wall shall be provided at the toe of over burden dump to check run off.
- 9. That, the over burden dump shall be made in accordance with conditions imposed in Environmental Clearance. Retaining wall shall be provided at the toe of over burden dump to check run off.
- 10. That, the transportation shall be done through covered vehicle to avoid fugitive dust emission.
- 11. That, the occupier shall provide STP for colony and ETP for Workshop and waste water generated

during mining operation.

- 12. That, the occupier shall not exceed the annual production as granted by MOEF in the environmental clearance order issued vide letter no. J-11015/507/2007-IA.II (M) dated 22.12.2008 and submit six monthly production figure duly certified by the Dist. Mining Officer, Chaibasa, West Singhbhum.
- 13. That, the occupier shall maintain and operate special water jets with mist water spray at dumper platform and loading points to suppress fugitive emission.
- 14. That, the mining operations shall be restricted to above the ground water table and it should be not intersect the ground water table.
- 15. That, the top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The top soil shall be used for land reclamation and plantation.
- 16. That, the occupier shall do blasting operation only during the day time.
- 17. That, the occupier shall fully implement rain water harvesting system as per design approved by CGWB/State Ground Water Board.
- 18. That, the occupier shall grant of this Consent-to-Operate is issued from the Environmental angle only and does not absolves the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry /unit/project proponent.
- 19. That, the occupier shall grant of this Consent-to-Operate is issued from the Environmental angle only and does not absolves the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry /unit/project proponent.
- 20. That, the occupier shall submit applications for renewal of consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent, with requisite fee and documents showing compliance of all of the above conditions.
- 21. This Consent to Operate(CTO) is valid subject to the approved mining plan.

#### (B) General Conditions:

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

			Concentration	in Ambient Air
SN	Pollutant	Time Weighted Average	Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO2), µg/m3	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO2), µg/m3	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM10, µg/m3	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM2.5, µg/m3	Annual 24 hours	40 60	40 60
5.	Ozone(O3), µg/m3	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) μg/m3	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m3	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH3) μg/m3	Annual 24 hours	100 400	100 400
9.	Benzene (C6H6) µg/m3	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m3	Annual	01	01
11.	Arsenic (As) ng/m3	Annual	06	06
12.	Nickel (Ni) ng/m3	Annual	20	20

Note: Serial no. 1 to 4 – Mandatory Serial no. 5 to 12 As applicable for specific type of industry.

(2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	100 mg/ Nm3

(3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

SN	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

(4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non- Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the timebeing in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding, if any, instituted in the past or that could be, instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
- 4. That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.
- 5. That, this CTO is being issued on the basis of information/documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.
- 6. The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.
- 7. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.

This is issued with the approval of the Competent authority

(Rajeev Lochan Bakshi)

Member Secretary

Dated: 2024-12-25

Memo No.: JSPCB/HO/RNC/CTO-

19937038/2024/1989

Copy to: M/s Vijay-II Iron Ore Mines(Tata Steel Limited), Tata Steel Limited, Vijay-II Iron Ore Mines, Ghatkuri RF, Post-Barajamda, Thana -Gua, Block Noamundi, Dist West Singhbhum/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi / Dy. Commissioner, West Singhbhum / D.F.O. Saranda Division, Chaibasa, West Singhbhum / Dist. Mining Officer, West Singhbhum / Regional Officer, Regional Office-Cum-Laboratory, Jamshedpur for information & necessary action

(Rajeev Lochan Bakshi)

Member Secretary



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

PFP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

There	17	
Test	Kel	port

Fugitive Emission Report-October-2024

Report No.: ALPL/30102	2024/6-5		<b>Date:</b> 30/10/2024
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.
Industry:-	M/s TATA Ste Badajamda-		4700126596/962-30.05.2024
Sample Description/Type	Fugitive Emission	Inward No.	ALPL/21102024/MON-86-EFE-1/32-1 & 2
Sampling by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	7, 14, 21,28, 30 October-2024
Test Started On:-	7, 14, 21,28, 30 Oct-2024	Test Completed On	8, 15, 22, 30 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sl. No.	Location Name	Date of sampling	TSPM μg/m³	Date of sampling	TSPM ( ug/m³)
	Test Method		IS 5182 (Part 23)	Method Reference	IS 5182 (Part 23)
	Near Crusher	04/10/2024	572	18/10/2024	626
1.		08/10/2024	491	22/10/2024	582
1.		11/10/2024	594	25/10/2024	518
		15/10/2024	603	28/10/2024	492
Average	Value of -1			560	
	Haul Road	04/10/2024	672	18/10/2024	594
2.		08/10/2024	703	22/10/2024	629
۷.		11/10/2024	647	25/10/2024	581
	*	15/10/2024	628	28/10/2024	573
Average	Value of -2		= = = = = = = = = = = = = = = = = = =	628	
	MoEF & CC Norms:		1	200 μg/m³	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Verified by

Snehal Raut

Technical Manager

0,...

Chinmay Garway Deputy Quality Manager

Authorized Signatory

----End of Report----



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

FP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

Test Report

Fugitive Emission Report-October-2024

Report No.: ALPL/30102	2024/6-6		Date: 30/10/2024
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.
Industry:-	M/s TATA Ste Badajamda-	eel Limited	4700126596/962-30.05.2024
Sample Description/Type	Fugitive Emission	Inward No.	ALPL/21102024/MON-86-EFE-1/32-3 & 4
Sampling by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	7, 14, 21,28, 30 October-2024
Test Started On:-	7, 14, 21,28, 30 Oct-2024	Test Completed On	8, 15, 22, 30 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

SI. No.	Location Name	Date of sampling	TSPM μg/m³	Date of sampling	TSPM ( μg/m³)
		Test Method	IS 5182 (Part 23)	Method Reference	IS 5182 (Part 23)
		04/10/2024	416	18/10/2024	392
3.	Non Caronina Dlant	08/10/2024	372	22/10/2024	284
Э.	Near Screening Plant	11/10/2024	451	25/10/2024	382
		15/10/2024	493	28/10/2024	328
Average	Value of -3			390	
		04/10/2024	503	18/10/2024	457
4.	Exit Main Gate	08/10/2024	491	22/10/2024	386
4.		11/10/2024	524	25/10/2024	461
		15/10/2024	603	28/10/2024	418
Average	Value of -4			480	
	MoEF & CC Norms:		1	1200 μg/m³	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Verified by

Snehal Raut Technical Manager

----End of Report----

Authorized Signatory

ity Manager

of hard Opena Con



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

9 FP-34, 35, Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122 \$+ 91 8045685558 ■ Email: info@anacon.in O https://www.anaconlaboratories.com

## Test Report

Fugitive Emission Report-November-2024

Report No.: ALPL/02122	024/7-5	Date: 02/12/2024	
Name and Address of	Vijay II Iron	Ore Mines	W. O. No.
Industry:-	M/s TATA Steel Limited Badajamda-833 221.		4700126596/962-30.05.2024
Sample Description/Type	<b>Fugitive Emission</b>	Inward No.	ALPL/25112024/MON-91-EFE-7/8-1 to 4
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	11/11/2024 & 25/11/2024
Test Started On:-	11/11/2024 & 25/11/2024	Test Completed On	12/11/2024 & 26/11/2024
Sampling Procedure	ANtd/7.2/Mon-01	-	

Sl. No.	Location Name	Date of sampling	TSPM μg/m³	Date of sampling	TSPM μg/m³
		Test Method	IS 5182 (Part 23)	Test Method	IS 5182 (Part 23)
FE-1	Near Crusher	04/11/2024	657	18/11/2024	593
FE-2	Haul Road	05/11/2024	718	19/11/2024	673
FE-3	Near Screening Plant	06/11/2024	591	20/11/2024	482
FE-4	Exit Main Gate	07/11/2024	627	21/11/2024	571
	MoEF & CC Norms:		120	0 μg/m³	

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Technical Manager

Technical Manager

Authorized Signatory

Chinmay C eputy Quality Manager

----End of Report---



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email: info@anacon.in
 https://www.anaconlaboratories.com

### Test Report

Fugitive Emission Report-December-2024

Report No.: ALPL/31122024/7-25			Date: 31/12/2024
	Vijay II Iron (	W. O. No.	
Name and Address of Industry:-	M/s TATA Steel Limited Badajamda-833 221.		4700126596/962-30.05.2024
Sample Description/Type	Fugitive Emission	Inward No.	ALPL/25122024/MON-63-EFE-7/8-1 to 4
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	16/12/2024 & 25/12/2024
Test Started On:-	16/12/2024 & 25/12/2024	Test Completed On	17/12/2024 & 26/12/2024
Sampling Method	ANtd/7.2/Mon-01		

SI. No.	Location Name	Date of sampling	TSPM µg/m³	Date of sampling	TSPM µg/m³
		Test Method	IS 5182 (Part 23)	Test Method	IS 5182 (Part 23)
FE-1	Near Crusher	09/12/2024	638	16/12/2024	582
FE-2	Haul Road	10/12/2024	576	17/12/2024	682
FE-3	Near Screening Plant	11/12/2024	547	18/12/2024	517
FE-4	Exit Main Gate	12/12/2024	652	19/12/2024	594
	MoEF & CC Norms:	AV	1	200 μg/m³	

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

hinmay Ga

anager

uty Quality



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

PF-34, 35,Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 + 91 8045685558 Email : info@anacon.in
 https://www.anaconlaboratories.com

### Test Report

Fugitive Emission Report-January-2025

Report No.: ALPL/03022025/7-39	-	moore	Date: 03/02/2025	
Vijay II Iron Ore Mines			W. O. No.	
Name and Address of Industry:-	M/s TATA Steel Limited Badajamda-833 221.		4700126596/962-30.05.2024	
Sample Description/Type	Fugitive Emission	Inward No.	ALPL/13012025/MON-32-EFE-6/16-1 to 4 ALPL/20012025/MON-36-EFE-6/16-1 to 4	
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	13/01/2025 & 20/01/2025	
Test Started On:-	14/01/2025 & 21/01/2025	Test Completed On	15/01/2025 & 22/01/2025	
Sampling Method	ANtd/7.2/Mon-01			

SI. No.	Location Name	Date of sampling	TSP <b>M</b> μg/m³	Date of sampling	TSPM μg/m³
		Test Method	IS 5182 (Part 23)	Test Method	IS 5182 (Part 23)
FE-1	Near Crusher	06/01/2025	657	13/01/2025	703
FE-2	Haul Road	07/01/2025	694	14/01/2025	587
FE-3	Near Screening Plant	08/01/2025	483	15/01/2025	509
FE-4	Exit Main Gate	09/01/2025	586	16/01/2025	473
	MoEF & CC Norms:		1	200 μg/m³	

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Verified by

Snehal Raut Technical Manager Signatory

Poeja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chipmay Garway uty Quality Manager

Hard ORIGINAL CON



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

♥ FP-34, 35, Food Park, Five Star Industrial Estate,
 MIDC Butibori, Nagpur, Maharashtra, India - 441 122
 ➡ + 91 8045685558
 ➡ Email: info@anacon.in
 ♦ https://www.anaconlaboratories.com

### Test Report

Fugitive Emission Report-February-2025

Report No.: ALPL/03032025/7-30			Date: 03/03/2025
	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		W. O. No.
Name and Address of Industry:-			4700126596/962-30.05.2024
Sample Description/Type	Fugitive Emission	Inward No.	ALPL/170225/ENV-1/20-17 to 20 ALPL/270225/ENV-1/34-17 to 20
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	17/02/2025 & 27/02/2025
Test Started On:-	17/02/2025 & 27/02/2025	Test Completed On	18/02/2025 & 28/02/2025
Sampling Method	ANtd/7.2/Mon-01		

SI. No.	Location Name	Date of sampling	TSPM μg/m³	Date of sampling	TSPM μg/m³
		Test Method	IS 5182 (Part 23)	Test Method	IS 5182 (Part 23)
FE-1	Near Crusher	03/02/2025	703	17/02/2025	682
FE-2	Haul Road	04/02/2025	594	18/02/2025	673
FE-3	Near Screening Plant	05/02/2025	482	19/02/2025	394
FE-4	Exit Main Gate	06/02/2025	571	21/02/2025	603
F	MoEF & CC Norms:		1200	D μg/m³	

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Phinmay Garway eputy Quality Manager



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

#### Test Report

Fugitive Emission Report-March-2025

Report No.: ALPL/02042025/7-39		Date: 02/04/2025	
	Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.		W. O. No.
Name and Address of Industry:-			4700126596/962-30.05.2024
Sample Description/Type	Fugitive Emission	Inward No.	ALPL/190325/ENV-4/16-13 to 16 ALPL/250325/ENV-4/42-21 to 24
Sampled by	Anacon Representative Mr. Biplab Giri	Sample Inward Date:-	19/03/2025 & 25/03/2025
Test Started On:-	19/03/2025 & 25/03/2025	Test Completed On	20/03/2025 & 26/03/2025
Sampling Method	ANtd/7.2/Mon-01	1	

SI. No.	Location Name	Date of sampling	TSPM μg/m³	Date of sampling	TSPM μg/m³
		Test Method	IS 5182 (Part 23)	Test Method	IS 5182 (Part 23)
FE-1	Near Crusher	10/03/2025	694	17/03/2025	573
FE-2	Haul Road	11/03/2025	703	18/03/2025	682
FE-3	Near Screening Plant	12/03/2025	651	19/03/2025	479
FE-4	Exit Main Gate	13/03/2025	562	20/03/2025	682
	MoEF & CC Norms:		12	200 µg/m³	

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per MoEF & CC Norms.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager Authorized Signatory

Chinmay Garway Deputy Quality Manager

----End of Report----







Test Report

ULR No.- TC129982400001910F

Test Report No.: ALPL/30102024/6-7

Dated: 30/10/2024

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/21102024/MON-86-NQ-1/6-1 Inward Date: 21/10/2024	Report Issue Date: 30/10/2024		
Sample Subgroup : Ambient Noise	Sample Particulars: Ambient Noise			
Samplings details:	Name of Anacon Representative: Mr.Biplab Giri			
Instrument ID: ALPL-TSL/CEIS-SLM/2024/05	Date of Sampling: 14/10/2024 to 15/10/2024			
Calibration Status :23/08/2024-22/08/2025 Make & Model : HTC-SL-1356	Date & time of sampling: 14/10/2024 & 12:25 pm			
Serial No:.202405733	Sampling location : Near Main Gate			
	Reference to sampling procedure: ANtd/7.2/M	Mon-01		
	Reference to sampling plan: ANtd/7.3/Mon-02	/October-2024/12		
	Weather Conditions : Satisfactory & Clear			
	Any other observation: (If applicable):-			

	P			The state of the s			
Grou	p: Atmospheric Pollu	tion		A WAT		2	
			T	est Results			
	20		Ambi	ent Noise L	evel		
c-	Location Te		Test Result dB (A) CPCB standards for		CPCB standards for N	Noise Levels	
Sr. No.		Location Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Materia	l or Product teste	d : Ambient Noise
		E 4%			Industrial Area	75	70
1.	Near Main Gate	ear Main Gate IS 9989 64.8	619	EC 2	Commercial Area	65	55
Τ.	Near Main Gate 15 9989	04.8	64.8 56.2	Residential Area	55	45	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Silence Zone

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Discipline: Chemical

Snehal Raut

Technical Manager

Authorized Signatory

Chinmay Garway

----End of Report----







TC-1299

# Test Report

#### ULR No.- TC129982400001911F

Test Report No.: ALPL/30102024/6-8

Dated: 30/10/2024

Page 1 of 1

Test Report No., ALI 1/30102024/0-0	Dated: 30/10/2024	Page 1 of 1			
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/21102024/MON-86- NQ-1/6-2 Report Issue Date: 30/10/20 Inward Date: 21/10/2024				
Sample Subgroup : Ambient Noise	Sample Particulars: Ambient Noise				
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733	Name of Anacon Representative: Mr.Biplab Gir Date of Sampling: 15/10/2024 to 16/10/2024 Date & time of sampling: 15/10/2024 & 12:45 pr Sampling location: Quarry-II (Near DG Set Reference to sampling procedure: ANtd/7.2/Mon Reference to sampling plan: ANtd/7.3/Mon-02/Oc Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -	m ) 1-01			

Disci	pline: Chemical							
Grou	p: Atmospheric Polli	ution		AL NE			.,	
			T	est Results				
			Ambi	ent Noise L	evel			
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels			
No.		Location Test Method		Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Material or Product tested : Ambient Noise			
	Quarry-II (Near DG Set) IS 9989				Industrial Area	75	70	
2.			72.1	63.9	Commercial Area	65	55	
~-,		(Near DG Set)	15 7767	72.1	03.9	Residential Area	55	45
				Silence Zone	50	40		

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Authorized Signatory

Deputy Quality Manager

----End of Report----







TC-12998

# Test Report

ULR No.- TC129982400001912F

Test Report No.: ALPL/30102024/6-9

Dated: 30/10/2024

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/21102024/MON-86- NQ-1/6-3 Inward Date: 21/10/2024	Report Issue Date: 30/10/2024
Sample Subgroup : Ambient Noise	Sample Particulars: Ambient Noise	
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733	Name of Anacon Representative: Mr.Biplab Gir Date of Sampling: 16/10/2024 to 17/10/2024 Date & time of sampling: 16/10/2024 & 1:20 pm Sampling location: Quarry-II (Near Crusher Reference to sampling procedure: ANtd/7.2/Mon Reference to sampling plan: ANtd/7.3/Mon-02/Oct Weather Conditions: Satisfactory & Clear	r) -01

Any other observation: (If applicable): -

Disci	pline: Chemical			A W			
Grou	p: Atmospheric Pollu	ıtion		-			
			T	est Results			
			Ambi	ent Noise L	evel		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Material or Product tested : Ambient Noise		
	0 7				Industrial Area	75	70
3.	Quarry-II (Near Crusher)	1 15 9980 1 60	69.7	54.3	Commercial Area	65	55
iomro		10 7707	09.7		34.3	Residential Area	55
		Ser O'			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Authorized Signatory

Chinmay Garway Peputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







Test Report

ULR No.- TC129982400001913F

Test Report No.: ALPL/30102024/6-10

Dated: 30/10/2024

Page 1 of 1

		rage rorr		
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/21102024/MON-86- NQ-1/6-4 Inward Date: 21/10/2024	Report Issue Date: 30/10/2024		
Sample Subgroup : Ambient Noise	Sample Particulars: Ambient Noise			
Samplings details: Instrument ID : ALPL-TSL/CEIS-SLM/2024/05 Calibration Status :23/08/2024-22/08/2025 Make & Model : HTC-SL-1356 Serial No:.202405733	Name of Anacon Representative: Mr.Biplab Giri Date of Sampling: 17/10/2024 to 18/10/2024 Date & time of sampling: 17/10/2024 & 1:45pm Sampling location: Near Quarry-II (Mining Area) Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/October-2024/12 Weather Conditions: Satisfactory & Clear			

Disci	pline: Chemical			100			
Grou	p: Atmospheric Pollı	ution		A VOIT			338-2
			Т	est Results		time to the second seco	
			Ambi	ent Noise L	evel	7	
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Materia		d : Ambient Noise
	17 0	Mear Quarry-II Mining Area)  IS 9989  71.6		62.9	Industrial Area	75	70
4.	Near Quarry-II (Mining Area)		71.6		Commercial Area	65	55
			71.0	02.9	Residential Area	55	45
					Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400001914F

Test Report No.: ALPL/30102024/6-11

Dated: 30/10/2024

Page 1 of 1

Y 1		1 450 1 01 1
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/21102024/MON-86- NQ-1/6-5 Inward Date: 21/10/2024	Report Issue Date: 30/10/2024
Sample Subgroup : Ambient Noise	Sample Particulars: Ambient Noise	
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733	Name of Anacon Representative: Mr.Biplab Gir Date of Sampling: 18/10/2024 to 19/10/2024 Date & time of sampling: 18/10/2024 & 2:20pm Sampling location: Quarry-II (Near Screen Plan Reference to sampling procedure: ANtd/7.2/Mon- Reference to sampling plan: ANtd/7.3/Mon-02/Oc Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -	nt) -01

Disci	pline: Chemical			10 100			
Grou	p: Atmospheric Polluti	on		180			
			Т	est Results			
			Ambie	ent Noise L	evel	300	
Sr.	Location	I MARKET HOTOGRAPH CHART TO	Test Result dB (A)		CPCB standards for Noise Levels		
No.		Location Test Metl	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)
I.	Discipline: Chemical	Group: A	tmospheric l	Pollution	Materia		d : Ambient Noise
	0	uarry-II Jear Screen Plant) IS 9989:1981	63.1	54.6	Industrial Area	75	70
5.	(Near Screen Plant)				Commercial Area	65	55
				34.0	Residential Area	55	45
		Out of the Co.			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager

----End of Report----

Authorized Signatory

Chinmay Carway Deputy Quality Manager







# Test Report

ULR No.- TC129982400001915F

Test Report No.: ALPL/30102024/6-12

Dated: 30/10/2024

Page 1 of 1

	24164. 00/10/2021	rage 1 of 1	
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/21102024/MON-86- NQ-1/6-6 Inward Date: 21/10/2024	Report Issue Date: 30/10/2024	
Sample Subgroup: Ambient Noise	Sample Particulars: Ambient Noise		
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733.	Name of Anacon Representative: Mr.Biplab Giri Date of Sampling: 19/10/2024 to 20/10/2024 Date & time of sampling: 19/10/2024 & 2:45 pm Sampling location: Near Quarry-I (Mining Area) Reference to sampling procedure: ANtd/7.2/Mon-01		
	Reference to sampling plan: ANtd/7.3/Mon-02/October-2024/12 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -		

Disci	pline: Chemical						
Grou	p: Atmospheric Pollution	on		1000	-		
			T	est Results			
			Ambie	ent Noise L	evel		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group: A	tmospheric l	Pollution	Materia		d : Ambient Noise
	N O I	ear Quarry-I Mining Area)	64.7	51.3	Industrial Area	75	70
6.	( Mining Area)				Commercial Area	65	55
			04.7		Residential Area	- 55	45
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Authorized Signatory

Chinmay Garway eguty Quality Manager

----End of Report----







## Test Report

ULR No.- TC129982400002273F

Test Report No.: ALPL/02122024/7-6

Dated: 02/12/2024

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/25112024/MON-91- NQ-7/6-1 Inward Date: 25/11/2024	Report Issue Date: 02/12/2024				
Sample Subgroup: Ambient Noise	Sample Particulars: Ambient Noise					
Samplings details:	Sampled by Anacon Representative: Mr.Biplab Giri					
Instrument ID: ALPL-TSL/CEIS-SLM/2024/05	Date of Sampling: 15/11/2024 to 16/11/2024					
Calibration Status :23/08/2024-22/08/2025 Make & Model : HTC-SL-1356	Time of sampling & duration: 15/11/2024 & 12:10 pm					
Serial No:.202405733	Sampling location : Near Main Gate					
	Reference to sampling procedure: ANtd/7.2/Mon-01					
	Reference to sampling plan: ANtd/7.3/Mon-02/November-2024/5					
	Weather Conditions : Satisfactory & Clear					
4	Any other observation: (If applicable):-					

Disci	pline: Chemical						
Grou	p: Atmospheric Pollu	tion	-	A WEST			****
			T	est Results			
			Ambi	ent Noise L	evel		1
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Materia	l or Product teste	d : Ambient Noise
	.8	ear Main Gate IS 9989	67.3		Industrial Area	75	70
1.	Near Main Gate IS 9			52.8	Commercial Area	65	55
			07.3	32.8	Residential Area	55	45
		SUL S			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Signatory

Ring

Technical Manager

Authorized Signatory

Chimnay Garway eputy Quality Manager

----End of Report----







Test Report

ULR No.- TC129982400002274F

Test Report No.: ALPL/02122024/7-7 Dated: 02/12/2024 Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/25112024/MON-91- NQ-7/6-2 Inward Date: 25/11/2024	Report Issue Date: 02/12/2024			
Sample Subgroup: Ambient Noise	Sample Particulars: Ambient Noise	<i>h</i>			
Samplings details:	Sampled by Anacon Representative: Mr.Biplab Giri				
Instrument ID: ALPL-TSL/CEIS-SLM/2024/05	Date of Sampling: 16/11/2024 to 17/11/2024				
Calibration Status :23/08/2024-22/08/2025 Make & Model : HTC-SL-1356	Time of sampling & duration: 15/11/2024 & 12:35 pm				
Serial No:.202405733	Sampling location: Quarry-II (Near DG S	et)			
	Reference to sampling procedure: ANtd/7.2/Mon-01				
	Reference to sampling plan: ANtd/7.3/Mon-02/	November-2024/5			
	Weather Conditions : Satisfactory & Clear				

Disci	pline: Chemical			A THE			
Grou	p: Atmospheric Poll	ution		101			
			Т	est Results			
			Ambi	ent Noise L	evel		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemica	l Group:	Atmospheric	Pollution	Materia	l or Product teste	d : Ambient Noise
			71.3	64.2	Industrial Area	75	70
2.	Quarry-II (Near DG Set)				Commercial Area	65	55
۲.			71.3	04.2	Residential Area	55	45
					Silence Zone	50	40

Any other observation: (If applicable) : -

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

Chinmay G

way

ity Quality Manager

Pooja Kathahe Technical Manager

and in the land of

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







## Test Report

ULR No.- TC129982400002275F

Test Report No.: ALPL/02122024/7-8

Dated: 02/12/2024

Page 1 of 1

2 dot 11 de 11 de 11 de 12 de 17 de	Dated. 02/12/2024	rage 1 of 1		
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/25112024/MON-91- NQ-7/6-3 Inward Date: 25/11/2024  Report Issue Date: 02/12/2			
Sample Subgroup: Ambient Noise	Sample Particulars: Ambient Noise			
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733	Sampled by Anacon Representative: Mr.Bipl. Date of Sampling: 18/11/2024 to 19/11/2024 Time of sampling & duration: 18/11/2024 & 1 Sampling location: Quarry-II (Near Crush Reference to sampling procedure: ANtd/7.2/M Reference to sampling plan: ANtd/7.3/Mon-02/ Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -	11:40 am ner) Ion-01		

Disci	pline: Chemical			100			***
Grou	p: Atmospheric Pollu	ıtion		AT THE			A TOTAL OF THE REAL PROPERTY.
			T	est Results			
			Ambi	ent Noise L	evel		
Sr.			Test Result dB (A)		CPCB standards for Noise Levels		
No.	Location	Led ap (v)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Materia	l or Product teste	d : Ambient Noise
		15 9989	72.6	56.1	Industrial Area	75	70
3.	Quarry-II				Commercial Area	65	55
٥,	(Near Crusher)		72.0		Residential Area	55	45
		and the			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Technical Manager

Signatory

Technical Manager

Authorized Signatory

Chinmay Garway uty Quality Manager

----End of Report----







TC-12998

# Test Report

ULR No.- TC129982400002276F

Test Report No.: ALPL/02122024/7-9 Dated: 02/12/2024 Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/25112024/MON-91- NQ-7/6-4 Inward Date: 25/11/2024	Report Issue Date: 02/12/2024		
Sample Subgroup: Ambient Noise	Sample Particulars: Ambient Noise			
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733	Sampled by Anacon Representative: Mr.Biplab Giri Date of Sampling: 19/11/2024 to 20/11/2024 Time of sampling & duration: 19/11/2024 & 12:45 pm Sampling location: Near Quarry-II (Mining Area)			
	Reference to sampling procedure: ANtd/7.2/M Reference to sampling plan: ANtd/7.3/Mon-02/ Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -			

Disci	pline: Chemical			A col			
Grou	p: Atmospheric Pollu	ıtion		A VIIIA			
			T	est Results		12.7	
	- EL = 1		Ambi	ent Noise L	evel		-
Sr.	-		Test Res	ult dB (A)	CPCB standards for N	Noise Levels	
No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric	Pollution	Materia	l or Product teste	d : Ambient Noise
	Transaction of the Control of the Co	- IS GUNG	72.9	64.1	Industrial Area	75	70
4.	Near Quarry-II				Commercial Area	65	55
-11/6/	(Mining Area)			04.1	Residential Area	55	45
		ART NOT			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Snehal Raut

Technical Manager

Signatory

Technical Manager

Sarway

Authorized Signatory

Quality Manager

----End of Report----







## Test Report

ULR No.- TC129982400002277F

Test Report No.: ALPL/02122024/7-10

Dated: 02/12/2024

Page 1 of 1

Sample Inward No.: ALPL/25112024/MON-91- NQ-7/6-5 Inward Date: 25/11/2024	Report Issue Date: 02/12/2024
Sample Particulars: Ambient Noise	
Sampled by Anacon Representative: Mr.Bipl Date of Sampling: 20/11/2024 to 21/11/2024 Time of sampling & duration: 20/11/2024 & Sampling location: <u>Quarry-II (Near Screen I</u> Reference to sampling procedure: ANtd/7.2/M Reference to sampling plan: ANtd/7.3/Mon-02/ Weather Conditions: Satisfactory & Clear	1:20 pm <u>Plant)</u> 1on-01
	NQ-7/6-5 Inward Date: 25/11/2024  Sample Particulars: Ambient Noise Sampled by Anacon Representative: Mr.Biple Date of Sampling: 20/11/2024 to 21/11/2024 Time of sampling & duration: 20/11/2024 & Sampling location: Quarry-II (Near Screen) Reference to sampling procedure: ANtd/7.2/N Reference to sampling plan: ANtd/7.3/Mon-02

Disci	pline: Chemical						
Grou	p: Atmospheric Polluti	on		A 48 A			
			T	est Results		-	
			Ambie	ent Noise L	evel		
Sr.	Location		Test Res	ult dB (A)	CPCB standards for N	loise Levels	
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group: A	tmospheric l	Pollution	Materia	or Product teste	d : Ambient Noise
		nt) IS 9989:1981		47.2	Industrial Area	75	70
5.	Quarry-II		58.3		Commercial Area	65	55
٧.	(Near Screen Plant)		36.3		Residential Area	55	45
					Silence Zone	50	40

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Signatory

Poòja Kathane Technical Manager Authorized Signatory

himmay Garway

Quality Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on <a href="mailto:feedback@anacon.in">feedback@anacon.in</a>.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







## Test Report

ULR No.- TC129982400002278F

Test Report No.: ALPL/02122024/7-11

Dated: 02/12/2024

Page 1 of 1

Test Report No.: ALFL/02122024/7-11	Dated: 02/12/2024	Page 1 of 1			
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/25112024/MON-91- NQ-7/6-6 Inward Date: 25/11/2024	Report Issue Date: 02/12/2024			
Sample Subgroup: Ambient Noise	Sample Particulars: Ambient Noise				
Samplings details:	Sampled by Anacon Representative: Mr.Bipla	ıb Giri			
Instrument ID: ALPL-TSL/CEIS-SLM/2024/05	Date of Sampling: 21/11/2024 to 22/11/2024				
Calibration Status :23/08/2024-22/08/2025 Make & Model : HTC-SL-1356	Time of sampling & duration: 21/11/2024 & 1:55 pm				
Serial No:.202405733	Sampling location : Near Quarry-I ( Mining	g Area)			
	Reference to sampling procedure: ANtd/7.2/Mon-01				
	Reference to sampling plan: ANtd/7.3/Mon-02/November-2024/5				
	Weather Conditions : Satisfactory & Clear				
	Any other observation: (If applicable) : -				

Disci	pline: Chemical			4 77.5		tc 1	
Grou	p: Atmospheric Pollution	on		A KA			
1			T	est Results			130-141-1-1
			Ambie	ent Noise L	evel		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group: A	tmospheric l	Pollution	Materia	l or Product teste	d: Ambient Noise
		Near Quarry-I ( Mining Area)	67.1	54.8	Industrial Area	75	70
6.	Near Quarry-I ( Mining Area)				Commercial Area	65	55
٥.			07.1	34.0	Residential Area	55	45
		2			Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut Technical Manager Signatory

Authorized Signatory

hinmay Garway

uty Qualify Manager

Pooja Kathane Technical Manager

----End of Report----

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab







Test Report

TC-12998

ULR No.- TC129982400002576F

Test Report No.: ALPL/02012025/7-26

Dated: 02/01/2025

NQ-7/7-1

Page 1 of 1

Issued To:
M/s Vijay II Iron Ore Mines
M/s TATA Steel Limited

M/s TATA Steel Limited Badajamda-833 221.

Inward Date: 16/12/2024 Work Order No. 4700126596/962-30.05.2024 Report Issue Date: 02/01/2025

Sample Subgroup : Ambient Noise

Samplings details: Instrument ID : ALPL-TSL/CEIS-SLM/2024/05

Calibration Status :23/08/2024-22/08/2025 Make & Model : HTC-SL-1356 Serial No:.202405733 Sampled by Anacon Representative: Mr.Biplab Giri Date of Sampling: 09/12/2024 to 10/12/2024 Time of sampling & duration: 11:20 am & 24 hrs

Sample Inward No.: ALPL/16122024/MON-65-

Sampling location : Near Main Gate

Sample Description: Ambient Noise

Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

_	line: Chemical : Atmospheric Pollution						
лоцр	. Authospheric Foliation		-	Test Results			
			Amb	ient Noise Lev	el		
Test Result dB (A) CPCB standards for Noise L						oise Levels	
Sr. No.	Location Te	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
l.	Discipline: Chemical	Group:	Atmospheric Pol	lution	Material or Pr	oduct tested : Ami	pient Noise
1111					Industrial Area	75	70
1.	Near Main Gate	IS 9989	68.2	.2 54.7	Commercial Area	65	55
1.00	Trour main outo	10 3303	00.2	34.7	Residential Area	55	45
					Silence Zone	50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QPI7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Gaway







Test Report

TC-12998

ULR No.- TC129982400002577F

Test Report No.: ALPL/02012025/7-27 Dated: 02/01/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL/16122024/MON-65-

M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221

NQ-7/7-2 Inward Date: 16/12/2024

Report Issue Date: 02/01/2025

Sample Subgroup: Ambient Noise

Sample Description: Ambient Noise

Work Order No. 4700126596/962-30.05.2024

Samplings details:

Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status: 23/08/2024-22/08/2025

Date of Sampling: 10/12/2024 to 11/12/2024

Sampled by Anacon Representative: Mr. Biplab Giri

Make & Model: HTC-SL-1356 Serial No: 202405733

Time of sampling & duration: 11:55 am & 24 hrs Sampling location : Quarry-II (Near DG Set) Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

roup	: Atmospheric Pollution						
				Test Results			
			Amb	ient Noise Lev	el		
			Test Res	ult dB (A)	CPCB standards for No	oise Levels	
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical Group: Atmospheric Pollution				Material or Pr	oduct tested : Ami	bient Noise
	10.00 (A. 10.000) 2-000				Industrial Area	75	70
2.	Quarry-II (Near DG	IS 9989	72.1	63.9	Commercial Area	65	55
	Set)		. 2.1	55.5	Residential Area	55	45
		76.5			Silence Zone	50	40

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Snehal Raut **Technical Manager**  Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chrinmay G uty Qualit Manager







TC-12998

### Test Report

ULR No.- TC129982400002578F Test Report No.: ALPL/02012025/7-28 Dated: 02/01/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL/16122024/MON-65-M/s Vijay II Iron Ore Mines NQ-7/7-3 Report Issue Date: 02/01/2025 M/s TATA Steel Limited Inward Date: 16/12/2024 Badajamda-833 221. Work Order No. 4700126596/962-30.05.2024 Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 11/12/2024 to 12/12/2024 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:20 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location : Quarry-II (Near Crusher) Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable) : -

···oup	: Atmospheric Pollution						
				Test Results			
			An	nbient Noise Lev	el		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A)
l.	Discipline: Chemical	Grou	p: Atmospheric P	ollution	Material or Pr	oduct tested : Ami	
					Industrial Area	75	70
3.	Quarry-II (Near	Location Test Method Leq dB (A) (Day Time) Pline: Chemical Category of Areas: Political Category of Areas: C	65	55			
	Crusher)			Residential Area	55	45	
					Silence Zone	50	

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway outy Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002579F Test Report No.: ALPL/02012025/7-29

Sample Subgroup: Ambient Noise

Dated: 02/01/2025 Sample Inward No.: ALPL/16122024/MON-65-

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

NQ-7/7-4 Inward Date: 16/12/2024

Work Order No. 4700126596/962-30.05.2024 Sample Description: Ambient Noise

Report Issue Date: 02/01/2025

Samplings details:

Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status :23/08/2024-22/08/2025

Make & Model: HTC-SL-1356 Serial No:.202405733

Sampled by Anacon Representative: Mr. Biplab Giri Date of Sampling: 12/12/2024 to 13/12/2024 Time of sampling & duration: 12:40 pm & 24 hrs

Sampling location : Near Quarry-II (Mining Area) Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable) : -

roup	: Atmospheric Pollution						
				Test Results			
				ient Noise Lev	el		
			Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric Pol	lution	Material or Pr	oduct tested : Ami	pient Noise
					Industrial Area	75	70
4.	Near Quarry-II	IS 9989	69.4	69.4 56.7 Commercial Area	Commercial Area	65	55
	(Mining Area)		55.4	55.7	Residential Area	55	45
					Silence Zone	50	40

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

----End of Report----

Authorized Signatory

uty Qualit Manager







TC-12998

### Test Report

ULR No.- TC129982400002580F Test Report No.: ALPL/02012025/7-30 Dated: 02/01/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL/16122024/MON-65-M/s Vijay II Iron Ore Mines NQ-7/7-5 Report Issue Date: 02/01/2025 M/s TATA Steel Limited Inward Date: 16/12/2024 Badajamda-833 221. Work Order No. 4700126596/962-30.05.2024 Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 13/12/2024 to 14/12/2024 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:55 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location : Quarry-II (Near Screen Plant) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

				Test Results			
		-/	Ami		el		
			Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group: Atr	nospheric Po	llution	Material or Pr	oduct tested : Ami	bient Noise
					Industrial Area	75	70
5.	Quarry-II	IS 9989:1981	54.8	Result dB (A) CPCB standards for Noise Levels  Leq dB (A) (Night Time) Leq dB (A) (Day Time)  Pollution Material or Product tested	65	55	
	(Near Screen Plant)	10 0000.1901	34.0	46.9	Residential Area	55	45
					Silence Zone	50	40

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall ret be reproduced except in full without prior written approval of Anacon Labs. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Garway Deputy Quality Manager







TC-12998

## Test Report

ULR No.- TC129982400002581F

Test Report No.: ALPL/02012025/7-31 Dated: 02/01/2025 Page 1 of 1 Sample Inward No.: ALPL/16122024/MON-65-Issued To: M/s Vijay II Iron Ore Mines NO-7/7-6 Report Issue Date: 02/01/2025 M/s TATA Steel Limited Inward Date: 16/12/2024 Badajamda-833 221. Work Order No. 4700126596/962-30.05.2024 Sample Subgroup : Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 16/12/2024 to 17/12/2024 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 1:20 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location : Near Quarry-I ( Mining Area) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/December-2024/5 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable) : -

Group	: Atmospheric Pollution								
				Test Results					
_			Α	mbient Noise Lev	rel				
Sr.	20.172.000		Test Result dB (A)		CPCB standards for Noise Levels				
No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)		
I.	Discipline: Chemical	Gro	up: Atmospheric	Pollution	Material or Pr	duct tested : Ambient Noise			
	Near Quarry-I ( Mining Area)	IS 9989 71.3	71.3	64.2	Industrial Area	75	70		
6.					Commercial Area	65	55		
					Residential Area	55	45		
				Silence Zone	50	40			

not be reproduced except in full without prior written approval of Anacon Labs. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

**Authorized Signatory** 

Chinmay Garway Deputy Quality Manager







TC-12998

## Test Report

ULR No.-TC1299825000000595F

Test Report No.: ALPL/03022025/7-33 Dated: 03/02/2025 Page 1 of 1 Sample Inward No.: ALPL/20012025/MON-36-Issued To: M/s Vijay II Iron Ore Mines NO-6/6-1 Report Issue Date: 03/02/2025 M/s TATA Steel Limited Inward Date: 20/01/2025 Badajamda-833 221. Work Order No. 4700126596/962-30.05.2024 Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr. Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 13/01/2025 to 14/01/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 11:35 am & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Near Main Gate Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/January-2025/1

> Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

Discip	line: Chemical								
Group	: Atmospheric Pollution								
				Test Results					
			Amb	ient Noise Lev	rel				
	Location	Test Res		ult dB (A)	CPCB standards for Noise Levels		100		
Sr. No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)		
ı.	Discipline: Chemical	Group:	Atmospheric Pol	lution	Material or Pr	oduct tested : Ami	luct tested : Ambient Noise		
				91	Industrial Area	75	70		
1.	Near Main Gate	Main Gate IS 9989 67.4	67.4	56.2 Commercial Area Residential Area	Commercial Area	65	55		
530			07.4		Residential Area	55	45		
					Silence Zone	50	40		

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QPI7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Poeja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chrimmay Garway Deputy Quality Mapager





Report Issue Date: 03/02/2025

Page 1 of 1



### Test Report

ULR No.-TC1299825000000596F

Test Report No.: ALPL/03022025/7-34

Issued To: M/s Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

Sample Subgroup: Ambient Noise

Samplings details:

Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status :23/08/2024-22/08/2025

Make & Model: HTC-SL-1356

Serial No:.202405733

Dated: 03/02/2025

Sample Inward No.: ALPL/20012025/MON-36-

NQ-6/6-2

Inward Date: 20/01/2025

Work Order No. 4700126596/962-30.05.2024

Sample Description: Ambient Noise

Sampled by Anacon Representative: Mr. Biplab Giri

Date of Sampling: 14/01/2025 to 15/01/2025 Time of sampling & duration: 11:55 am & 24 hrs

Sampling location: Quarry-II (Near DG Set)

Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/January-2025/1

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable) : -

				Test Results			
				ient Noise Lev	el		- 4
			Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	Discipline: Chemical	Group:	Atmospheric Pol	Material or Pr	duct tested : Ambient Noise		
					Industrial Area	75	70
2.	Quarry-II	/-II 10 0000 74	74.0	1.3 64.7 Commercial Area Residential Area	Commercial Area	65	55
2.	(Near DG Set)	IS 9989	/1.3		Residential Area	Leq dB (A) (Day Time)  oduct tested : Amt  75  65  55	45
					Silence Zone	50	40

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Technical Manager

Signatory

Technical Manager

---End of Report---

Authorized Signatory

Chipmay Garway puty Quality Manager







#### Test Report

ULR No.-TC1299825000000597F

Test Report No.: ALPL/03022025/7-35 Dated: 03/02/2025 Sample Inward No.: ALPL/20012025/MON-36-

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited

NO-6/6-3

Badajamda-833 221.

Inward Date: 20/01/2025 Work Order No. 4700126596/962-30.05.2024 Report Issue Date: 03/02/2025

Sample Subgroup: Ambient Noise

Sample Description: Ambient Noise

Samplings details:

Serial No: 202405733

Sampled by Anacon Representative: Mr.Biplab Giri Date of Sampling: 15/01/2025 to 16/01/2025

Calibration Status :23/08/2024-22/08/2025 Make & Model: HTC-SL-1356

Instrument ID: ALPL-TSL/CEIS-SLM/2024/05

Time of sampling & duration: 12:20 pm & 24 hrs Sampling location: Quarry-II (Near Crusher)

Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/January-2025/1

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

	line: Chemical							
roup	: Atmospheric Pollution							
	*			Test Results				
	70		An	bient Noise Lev	el			
Sr.		Test Result dB (A)		CPCB standards for Noise Levels				
No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
l.	Discipline: Chemical	Grou	p: Atmospheric P	ollution	Material or Product tested : Ambient Noise			
	Quarry-II		68.1	57.9	Industrial Area	75	70	
3.		IS 9989			Commercial Area	65	55	
٥.	(Near Crusher)	isher)	55.1	57.9	Residential Area	55	45	
					Silence Zone	50	40	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Spenal Raut Technical Manager Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garwa uty Quality Manager







#### Test Report

ULR No.-TC1299825000000598F

Test Report No.: ALPL/03022025/7-36 Dated: 03/02/2025 Page 1 of 1 Sample Inward No.: ALPL/20012025/MON-36-Issued To: M/s Vijay II Iron Ore Mines NQ-6/6-4 Report Issue Date: 03/02/2025 M/s TATA Steel Limited Inward Date: 20/01/2025 Badajamda-833 221. Work Order No. 4700126596/962-30.05.2024 Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr. Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 16/01/2025 to 17/01/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:40 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Near Quarry-II (Mining Area) Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/January-2025/1

> Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

Discip	line: Chemical							
Group	: Atmospheric Pollution					W		
				Test Results				
	×		Amb	ient Noise Lev	el	V=		
	Location		Test Result dB (A)		CPCB standards for Noise Levels			
Sr. No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
1.	Discipline: Chemical	Group:	Atmospheric Pol	lution	Material or Product tested : Ambient Noise			
			71.3	62.8	Industrial Area	75	70	
4.	Near Quarry-II	IS 9989			Commercial Area	65	55	
	(Mining Area)	10 0000	71.0		Residential Area	55	45	
					Silence Zone	50	40	

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall rot be reproduced except in full without prior written approval of Anacon Labs. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Peoja Kalhane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Lity Quality Manager







#### Test Report

Sample Inward No.: ALPL/20012025/MON-36-

Work Order No. 4700126596/962-30.05.2024

ULR No.-TC1299825000000599F

Test Report No.: ALPL/03022025/7-37 Dated: 03/02/2025

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.

NO-6/6-5

Inward Date: 20/01/2025

Report Issue Date: 03/02/2025

Sample Subgroup: Ambient Noise

Sample Description: Ambient Noise

Samplings details:

Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status :23/08/2024-22/08/2025

Make & Model: HTC-SL-1356 Serial No:.202405733

Sampled by Anacon Representative: Mr. Biplab Giri Date of Sampling: 17/01/2025 to 18/01/2025 Time of sampling & duration: 1:20 pm & 24 hrs

Sampling location: Quarry-II (Near Screen Plant) Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/January-2025/1

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

roup	: Atmospheric Pollution							
				Test Results				
			Ami	pient Noise Lev				
			Test Result dB (A)		CPCB standards for Noise Levels			
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
I.	Discipline: Chemical	Group: Atr	mospheric Po	llution	Material or Product tested : Ambient Noise			
		IS 9989:1981	53.9	42.8	Industrial Area	75	70	
-	Quarry-II				Commercial Area	65	55	
5.	(Near Screen Plant)				Residential Area	55	45	
					Silence Zone	50	40	

NOTES: Please see watermark 'Original Test Report' to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Technical Manager

Signatory

Kathane Technical Manager

---End of Report----

Authorized Signatory

hinmay Garwa uty Quality Manager





Report Issue Date: 03/02/2025



#### Test Report

ULR No.-TC1299825000000600F

Test Report No.: ALPL/03022025/7-38

Dated: 03/02/2025 Sample Inward No.: ALPL/20012025/MON-36-

Inward Date: 20/01/2025

NQ-6/6-6

Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines

M/s TATA Steel Limited Badajamda-833 221.

Sample Subgroup: Ambient Noise

Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05

Calibration Status :23/08/2024-22/08/2025

Make & Model: HTC-SL-1356 Serial No:.202405733

Work Order No. 4700126596/962-30.05.2024 Sample Description: Ambient Noise

Sampled by Anacon Representative: Mr. Biplab Giri Date of Sampling: 18/01/2025 to 19/01/2025 Time of sampling & duration: 2:40 pm & 24 hrs

Sampling location: Near Quarry-I (Mining Area) Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/January-2025/1

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

	Disci	pline	: C	hem	ical
7	_		-012735	1	

Group: Atmospheric Pollution

	Т	est	Res	u	lts
--	---	-----	-----	---	-----

			Α	mbient Noise Lev	el			
Sr.			Test Result dB (A)		CPCB standards for Noise Levels			
No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
l.	Discipline: Chemical	Gro	up: Atmospheric	Pollution	Material or Product tested : Ambient Noise			
	Near Quarry-I		Heek		Industrial Area	75	70	
6.		IS 9989	69.1	58.3	Commercial Area	65	55	
0.	( Mining Area)				Residential Area	55	45	
					Silence Zone	50	40	

NOTES: 

Please see watermark "Original Test Report" to confirm the authenticity of this report. 

Results shall be referred to tested sample(s) and applicable to tested parameters only. 

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05)

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Snehal Raut Technical Manager Signatory

ooja Kathane

Technical Manager

---End of Report----

Authorized Signatory

Chinnay Garway uty Quality Manager







#### Test Report

ULR No.-TC129982500001126F

Test Report No.: ALPL/03032025/7-24 Dated: 03/03/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL270225/ENV-1/34-21 M/s Vijay II Iron Ore Mines Report Issue Date: 03/03/2025 Inward Date: 27/02/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 17/02/2025 to 18/02/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 11:20 am & 24 hrs Make & Model: HTC-SL-1356 Sampling location : Near Main Gate Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/February-2025/1 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

Group	: Atmospheric Pollution				4 C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
				Test Results			
			Amb	ient Noise Lev	el		
	Location		Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Group:	Atmospheric Poll	ution	Material or Pr	oduct tested : Am	bient Noise
1.	Near Main Gate	IS 9989	64.9	52.8	Industrial Area	75	70

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Kaul

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway puty Quality Manager







#### TC-12998 Test Report

ULR No.-TC129982500001127F

Test Report No.: ALPL/03032025/7-25 Dated: 03/03/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL270225/ENV-1/34-22 M/s Vijay II Iron Ore Mines Report Issue Date: 03/03/2025 Inward Date: 27/02/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 18/02/2025 to 19/02/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 11:50 am & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Quarry-II (Near DG Set) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/February-2025/1 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

	line: Chemical						
Group	: Atmospheric Pollution						
				Test Results			
			Amb	ient Noise Lev	el		
	Location		Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Group:	oup: Atmospheric Pollution Material or Product tested : Am				
1	Quarry-II (Near DG Set)	IS 9989	72.6	61.9	Industrial Area	75	70

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Technical Manager

Signatory

ooia Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garwa eputy Quality Manager







TC-12998

#### Test Report

ULR No.-TC129982500001128F

Test Report No.: ALPL/03032025/7-26 Dated: 03/03/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL270225/ENV-1/34-23 Report Issue Date: 03/03/2025 M/s Vijay II Iron Ore Mines Inward Date: 27/02/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr. Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 19/02/2025 to 20/02/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:30 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Quarry-II (Near Crusher) Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/February-2025/1 Weather Conditions: Satisfactory & Clear

Group	: Atmospheric Pollution	State 1					
				Test Results			
			Am	nbient Noise Lev	el		
Sr. No.	Location	Test Result dB (A)		CPCB standards for Noise Levels			
		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Grou	roup: Atmospheric Pollution Material or Product tested : Amb				
1	Quarry-II (Near Crusher)	IS 9989	67.3	58.1	Industrial Area	75	70

Any other observation: (If applicable): -

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QPI7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

echnical Manager

----End of Report----

Authorized Signatory

Chinmay Garway







#### Test Report

ULR No.-TC129982500001129F

Test Report No.: ALPL/03032025/7-27 Dated: 03/03/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL270225/ENV-1/34-24 M/s Vijay II Iron Ore Mines Report Issue Date: 03/03/2025 Inward Date: 27/02/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr. Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 20/02/2025 to 21/02/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:50 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Near Quarry-II (Mining Area) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/February-2025/1 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

Group	: Atmospheric Pollution								
				Test Results					
			Amb	ient Noise Lev	el		7/4/11		
		Test Result dB (A)		CPCB standards for Noise Levels					
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)		
	Discipline: Chemical	Group: Atmospheric Pollution			Material or P	al or Product tested : Ambient Noi			
1	Near Quarry-II (Mining Area)	IS 9989	72.4	61.3	Industrial Area	75	70		

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Kent

Snehal Raut Technical Manager Signatory

Poeja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway







#### Test Report

ULR No.-TC129982500001130F

Test Report No.: ALPL/03032025/7-28

Dated: 03/03/2025

Page 1 of 1

Toot top of the man and the ma	Dated: 03/03/2023	rage 1011			
Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL270225/ENV-1/34-25 Inward Date: 27/02/2025 Work Order No. 4700126596/962-30.05.2024	Report Issue Date: 03/03/2025			
Sample Subgroup : Ambient Noise	Sample Description: Ambient Noise	•			
Samplings details:	Sampled by Anacon Representative: Mr.Biplab Giri				
Instrument ID: ALPL-TSL/CEIS-SLM/2024/05	Date of Sampling: 21/02/2025 to 22/02/2025				
Calibration Status :23/08/2024-22/08/2025	Time of sampling & duration: 1:20 pm & 24 hrs				
Make & Model: HTC-SL-1356	Sampling location : Quarry-II (Near Screen Plant)				
Serial No:.202405733	Reference to sampling procedure: ANtd/7.2/Mon-01				
	Reference to sampling plan: ANtd/7.3/Mon-02/Februar	y-2025/1			
	Weather Conditions : Satisfactory & Clear				
	Any other observation: (If applicable) : -				

Discip	line: Chemical			Silino				
Group	: Atmospheric Pollution							
				Test Results	4		3,119	
		11 8-2	Aml	oient Noise Lev	el			
			Test Result dB (A)		CPCB standards for Noise Levels			
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	
	Discipline: Chemical	Group: Atr	Group: Atmospheric Pollution			Material or Product tested : Ambient Noise		
1	Quarry-II (Near Screen Plant)	IS 9989:1981	57.1	43.8	Industrial Area	75	70	

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/T.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Technical Manager

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garwa uty Quality Manager







#### Test Report

ULR No.-TC129982500001131F

Test Report No.: ALPL/03032025/7-29 Dated: 03/03/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL270225/ENV-1/34-26 Report Issue Date: 03/03/2025 M/s Viiav II Iron Ore Mines Inward Date: 27/02/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr. Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 22/02/2025 to 23/02/2025 Time of sampling & duration: 1:55 pm & 24 hrs Calibration Status :23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Sampling location: Near Quarry-I (Mining Area) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/February-2025/1 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

	line: Chemical						
Group	: Atmospheric Pollution						
				Test Results	9/		
		-	Α	mbient Noise Lev	el		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Location Test Method	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)
	Discipline: Chemical	Gro	oup: Atmospheric	Pollution	Material or P	roduct tested : Am	bient Noise
1	Near Quarry-I ( Mining Area)	IS 9989	72.4	61.9	Industrial Area	75	70

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP77.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Stout

Snehal Raut Technical Manager Signatory

Pooja Kathane

----End of Report----

Authorized Signatory

Chinmay Garway enuty Quality Manager







#### Test Report

ULR No.-TC129982500001555F

Test Report No.: ALPL/02042025/7-33 Dated: 02/04/2025 Page 1 of 1

Issued To: M/s Vijay II Iron Ore Mines M/s TATA Steel Limited Badajamda-833 221.	Sample Inward No.: ALPL/250325/ENV-4/42-25 Inward Date: 25/03/2025 Work Order No. 4700126596/962-30.05.2024	Report Issue Date: 02/04/2025
Sample Subgroup : Ambient Noise	Sample Description: Ambient Noise	
Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status:23/08/2024-22/08/2025 Make & Model: HTC-SL-1356 Serial No:.202405733	Sampled by Anacon Representative: Mr.Biplab Giri Date of Sampling: 17/03/2025 to 18/03/2025 Time of sampling & duration: 11:45 am & 24 hrs Sampling location: Near Main Gate Reference to sampling procedure: ANtd/7.2/Mon-01	
	Reference to sampling plan: ANtd/7.3/Mon-02/March-202 Weather Conditions: Satisfactory & Clear	5/1

Any other observation: (If applicable): -

Group	: Atmospheric Pollution						
o.oup	Transcopilione Foliagon			Test Results	To the		
	1		Amb	ient Noise Lev	el		
	1		Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Group:	Atmospheric Poll	ution	Material or Pr	oduct tested : Am	bient Noise
1.	Near Main Gate	IS 9989	67.2	54.1	Industrial Area	75	70

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Saul

Snehål Raut Technical Manager Signatory

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001556F

Test Report No.: ALPL/02042025/7-34 Dated: 02/04/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL/250325/ENV-4/42-26 Report Issue Date: 02/04/2025 M/s Vijay II Iron Ore Mines Inward Date: 25/03/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 18/03/2025 to 19/03/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:20 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Quarry-II (Near DG Set) Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

Group	: Atmospheric Pollution						
oroup	7 Milloophono Foliadon			Test Results			
			Amb	ient Noise Lev	el		
			Test Res	ult dB (A)	CPCB standards for No	oise Levels	
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Group:	Atmospheric Pol	lution	Material or Pr	oduct tested : Ami	bient Noise
1	Quarry-II (Near DG Set)	IS 9989	71.3	64.8	Industrial Area	75	70

NOTES: Please see watermark "Original Test Report" to confirm the authenticity of this report. Results shall be referred to tested sample(s) and applicable to tested parameters only. Test report shall not be reproduced except in full without prior written approval of Anacon Labs. Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Snehal Raut

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

---End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001557F

Test Report No.: ALPL/02042025/7-35 Dated: 02/04/2025 Page 1 of 1 Sample Inward No.: ALPL/250325/ENV-4/42-27 Report Issue Date: 02/04/2025 M/s Vijay II Iron Ore Mines Inward Date: 25/03/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 19/03/2025 to 20/03/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 12:50 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Quarry-II (Near Crusher) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

	line: Chemical						
Group	: Atmospheric Pollution				and the second second		
				Test Results			
			An	nbient Noise Lev	el		
Sr.	Location		Test Result dB (A)		CPCB standards for Noise Levels		
No.		Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Grou	p: Atmospheric P	ollution	Material or Pr	oduct tested : Am	bient Noise
1	Quarry-II (Near Crusher)	IS 9989	64.9	53.8	Industrial Area	75	70

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Haul

Snehai Raut Technical Manager Signatory -

Pooja Kathane

Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway







#### Test Report T

ULR No.-TC129982500001558F

Test Report No.: ALPL/02042025/7-36

Dated: 02/04/2025

Inward Date: 25/03/2025

Page 1 of 1

Issued To:
M/s Vijay II Iron Ore Mines
M/s TATA Steel Limited
Badajamda-833 221.
Sample Subgroup: Ambient Noise

Work Order No. 4700126596/962-30.05.2024

Sample Description: Ambient Noise

Report Issue Date: 02/04/2025

Sample Subgroup : Ambi

Samplings details: Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Calibration Status: 23/08/2024-22/08/2025

Make & Model: HTC-SL-1356 Serial No: 202405733 Sampled by Anacon Representative: Mr.Biplab Giri

Sample Inward No.: ALPL/250325/ENV-4/42-28

Date of Sampling: 20/03/2025 to 21/03/2025
Time of sampling & duration: 1:45 pm & 24 hrs
Sampling location: Near Quarry-II (Mining Area)
Reference to sampling procedure: ANtd/7.2/Mon-01

Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1

Weather Conditions: Satisfactory & Clear Any other observation: (If applicable): -

	line: Chemical						
Group	: Atmospheric Pollution						
				Test Results			
	10.5		Amb	ient Noise Lev	el		
			Test Result dB (A)		CPCB standards for Noise Levels		
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Group:	Atmospheric Pol	lution	Material or Pr	oduct tested : Ami	pient Noise
1	Near Quarry-II (Mining Area)	IS 9989	71.6	64.3	Industrial Area	75	70

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Snehal Raut

Technical Manager

Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001559F

Test Report No.: ALPL/02042025/7-37 Dated: 02/04/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL/250325/ENV-4/42-29 Report Issue Date: 02/04/2025 M/s Vijay II Iron Ore Mines Inward Date: 25/03/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr. Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 21/03/2025 to 22/03/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 1:55 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Quarry-II (Near Screen Plant) Serial No:.202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1 Weather Conditions: Satisfactory & Clear

Any other observation: (If applicable): -

	line: Chemical						
Group	: Atmospheric Pollution						
				Test Results	4		
			Amb	ient Noise Lev	el		
-			Test Re	sult dB (A)	CPCB standards for No	oise Levels	
Sr. No.	Location	Test Method	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Group: Atr	nospheric Po	llution	Material or Pr	oduct tested : Am	bient Noise
1	Quarry-II (Near Screen Plant)	IS 9989:1981	58.7	41.9	Industrial Area	75	70

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by

Snehal Raut Technical Manager Signatory

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager







#### Test Report

ULR No.-TC129982500001560F

Test Report No.: ALPL/02042025/7-38 Dated: 02/04/2025 Page 1 of 1 Issued To: Sample Inward No.: ALPL/250325/ENV-4/42-30 M/s Vijay II Iron Ore Mines Report Issue Date: 02/04/2025 Inward Date: 25/03/2025 M/s TATA Steel Limited Work Order No. 4700126596/962-30.05.2024 Badajamda-833 221. Sample Subgroup: Ambient Noise Sample Description: Ambient Noise Samplings details: Sampled by Anacon Representative: Mr.Biplab Giri Instrument ID: ALPL-TSL/CEIS-SLM/2024/05 Date of Sampling: 22/03/2025 to 23/03/2025 Calibration Status :23/08/2024-22/08/2025 Time of sampling & duration: 3:10 pm & 24 hrs Make & Model: HTC-SL-1356 Sampling location: Near Quarry-I (Mining Area) Serial No: 202405733 Reference to sampling procedure: ANtd/7.2/Mon-01 Reference to sampling plan: ANtd/7.3/Mon-02/March-2025/1 Weather Conditions: Satisfactory & Clear Any other observation: (If applicable) : -

_	line: Chemical						
Group	: Atmospheric Pollution						
				Test Results			
			A	mbient Noise Lev	rel		
Sr.	Location	Location Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
No.			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
	Discipline: Chemical	Gro	up: Atmospheric	Pollution	Material or Pr	roduct tested : Am	bient Noise
1	Near Quarry-I ( Mining Area)	IS 9989	71.3	64.8	Industrial Area	75	70

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Stew

Snehal Raut Technical Manager Signatory ,

Pooja Kathane Technical Manager

----End of Report----

Authorized Signatory

Chinmay Garway Deputy Quality Manager Date: 31.07.2024

OMQ/EMP/02/2024

#### **DECLARATION**

#### Formation of Environment Management Cell

**Location**: Ore Mines & Quarry Division which includes following locations →

- 1. Noamundi Iron Mine, over 1160.06 Ha located at Mahul, Balijore, Korta, Noamundi, Sarbil &Balijori villages, West Singhbhum District, Jharkhand.
- 2. Katamati Iron Mine, over 403.3238 Ha. At village Deojhar & Thakurani RF, Keonjhar District, Odisha.
- 3. Joda East Iron Mines, over 671.093 Ha. Located in village Joda, Kamarjoda, Banspani, Khuntpani &Baitarani RF in Barbil Taluka, Keonjhar District, Odisha.
- 4. Khondbond Iron & Mn. Mines, over 978 Ha. Located in village Khondbandh, Tehsil Barbil, Keonjhar District, Odisha.
- 5. Vijaya-II Iron Ore Mines, over 155.078 Ha. Located in village Ghatkuri, Tehsil: Noamundi, West Singhbhum District, Jharkhand.
- 6. Kalamang West (Northern Part) Block Iron Ore Mines, over 92.875 Ha. Located at village Gandalpada, Keonjhar District in villages Kalamang & Ghodabudani, Sundargarh Districts, Odisha.
- 7. Neelachal Iron Ore Mines, over 874.290 Ha. Located at Keonjhar & Sundargarh Districts, Odisha.
- 8. Gandhalpada Iron Ore Mine, over 241.10 Ha. At Gandhalpada, Guali and Barpada Villages, Barbil Tehsil, Keonjhar District, Odisha.

A separate Environment Management Cell has been formed, with suitable qualified personnel, under the control of Chief Mine Planning & Projects, who reports directly to the General Manager of Ore Mines & Quarry Division. The environment Management Cell will ensure compliance of following Acts & Rules but not limited to:

- 1. The Environment (Protection) Act, 1986.
- 2. Environmental Impact Assessment Notification, 14th Sep-2006.
- 3. Wildlife Protection Act 1972
- 4. Air (Prevention and Control of Pollution) Act, 1981
- 5. Water (Prevention and Control of Pollution) Act1974
- 6. Noise Pollution (Regulation and Control Act) 1990
- 7. Public Liability and Insurance Act 1991
- 8. The Forest (Conservation) Act. 1980
- 9. Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.
- 10. E-waste Management Rules, 2022
- 11. Bio-medical Waste Management Rules, 2016
- 12. Battery Waste Management Rules, 2022

#### 13. Plastic Waste Management Rules, 2022

The Environment Management Cell Consists of Following Personnels:

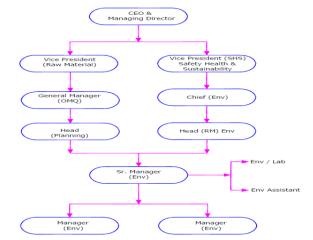
- 1. Shri. Awnish Kumar (Chief-Mine Planning & Projects)
- 2. Shri. Mukesh Kumar Prasad (Head-Environment Management)
- 3. Shri. Pinku Kumar (Head- Mine Planning)
- 4. Shri. Vivek Kumar Agarwal (Senior Area Manager- Planning)
- 5. Shri. Abinash Das (Area Manager- Environment)
- 6. Shri. Gaurav Dubey (Area Manager- Environment)
- 7. Shri. Roshan Singh (Area Manager- Horticulture)
- 8. Shri. Gaurav Mukherjee (Area Manager- Planning)
- 9. Shri. Vishal Kumar Singh (Area Manager- Planning)
- 10. Shri. Debasish Das (Senior Manager- Environment)
- 11. Shri. Sudhanshu Ranjan (Manager- Environment)
- 12. Shri. Shubham Singh (Manager-Environment)
- 13. Shri. Rishi Raj Kashyap (Manager-Environment)
- 14. Shri. Jarsaniya Harshkumar Dayabhai (Assistant Manager- Environment)
- 15. Shri. Ramendra Kumar (Officer- Environment)
- 16. Shri. Jhasketan Pradhan (Senior Environment Assistant)
- 17. Shri. Soumyak Palei (Environment Assistant)
- 18. Shri. Pragyan Prakash Mohanto (Environment Assistant)
- 19. Shri. Ganesh Karua (Environment Assistant)
- 20. Shri. Bharat Pan (Environment Assistant)
- 21. Shri. Gurucharan Laguri (Environment Assistant)
- 22. Shri. Gayatri Behera (Environment Chemist)

The detailed Organogram is as follows:

f: Tata Steel Limited

Awnish Kumar

Chief- Mine Planning & Projects (OMQ)



Ехр	Expenditure for Environment Management at Vijay II Iron ore Mines (1st October 2024 to 31st March 2025)							
SI. No.	Description	Amount (Rs.)						
1.	Water Sprinkling to suppress dust	5770100.00						
2.	Environmental Monitoring in core and buffer zone	586419.00						
3.	Water Tax Payment	132737.00						
4.	Plantation and Plantation maintenance	930268.00						
5.	Bolder wall development at buffer zone of mines and dry bolder check dam development and maintenance	2148414.00						
6.	AMC charge of continuous Ambient Air quality monitoring station	909090.00						
7.	Coir mat Installation	180703.00						
8.	Garland drains Development	93750.00						
9.	De-siltation of check dam at buffer zone of mines	646714.00						
10.	Occupational Health check-up (IME & PME)	172225.00						
11.	Demand note payment of Site-Specific wildlife conservation plan, Fire management Plan & Chausingha Conservation plan in respect of Vijay II Iron Ore Mine of M/s Tata Steel Limited	2441869.00						
12.	Fireline development around lease boundary	971916.00						
	Total	14984205.00						