

TSL/FAMD/SAR/FY26/2565 Date: 28-05-2025

#### To,

#### The Member-Secretary, State Level Environment Impact Assessment Authority (SEIAA), Odisha, 5RF-2/1, Acharya Vihar, Unit – IX, OPTCL Colony, Anand Bazar, Bhoi Nagar, Bhubaneswar, Odisha 751022

**Subject**: Submission of half-yearly compliance report on the stipulated environmental clearance terms and conditions in respect of Saruabil Chromite Block of M/s Tata Steel Limited, for the period October 2024 to March 2025 to SEIAA, Odisha, MoEF&CC, & IRO, CPCB & SPCB, Odisha.

#### **Reference:**

1) MoEF EC Letter Identification No. EC23B0010R155576, File No. 78946/93-MINB1/07-2022, 2) MoEF&CC's notification vide S.O-5845, dt. 28<sup>th</sup> Nov 2018

#### **Respected Sir**,

We are herewith submitting the six-monthly compliance report on the status of the implementation of conditions stipulated in environmental clearance in favor of Saruabil Chromite Block of M/s Tata Steel Limited vide SEIAA EC Letter Identification No. EC23B0010R155576, Dated 06.06.2023, for the period from October 2024 to March 2025 for your kind perusal.

This is in reference to the MoEF&CC's notification vide S.O-5845, dt. 28<sup>th</sup> Nov 2018 and as per the Miscellaneous EC condition number (III), VII) & (IX), the online submitted six-monthly compliance report with required annexures is being submitted through e-mail to @ roez.bsr-mef@nic.in , seiaaodisha@gmail.com and Hard copy to SEIAA, Odisha, MoEF&CC, & IRO, CPCB & SPCB, Odisha.

We believe the above submission is in order.

Thanking You. Yours faithfully, f: Tata Steel Limited

Mine Manager, Saruabil Chromite Block

#### Copy to:

- 1. Dy. Director General, Integrated Regional Office, Ministry of Environment and Forest & Climate Change, Eastern Region Office, A/3, Chandrasekharpur, Bhubaneswar-751023
- 2. The Director, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110 003
- 3. The Regional Directorate, Central Pollution Control Board, 'South end Conclave' Block-502, 5th & 6th Floor, 1582, Razidanga, Main Road, Kolkata- 700107
- 4. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Bhubaneswar, 751012.

#### TATA STEEL LIMITED

Ferro Alloys & Minerals Division | Saruabil Chromite Mine | Kalarangiatta | Jajpur | Odisha-755028 Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com

Your (Half Yearly Compliance Report	) has been Submitted with following details
Proposal No	SIA/OR/MIN/78946/2020
Compliance ID	113064982
Compliance Number(For Tracking)	EC/M/COMPLIANCE/113064982/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	30-05-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	ODISHA
RO/SRO Office Address	Integrated Regional Offices, Bhubaneswar

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

	—	025 Oct - 31 Mar)	
	Acknow	ledgement	
Proposal Name		production of 1.0 MTPA C maximum excavation of 6 through Opencast Mining	(ML Area: 246.858 Ha) with a Chromite Ore (ROM) with 4.48 Million Cum per Annum at villages Saruabil, Kamarda la Tehsil, Jajpur District of
Name of Entity / Corpora	te Office	Tata Steel Limited	
Village(s)		BALIPADA	
District		JAJAPUR	
Proposal No.	SIA/OR/MIN/78946/2020	Category	Non-Coal Mining
Plot / Survey / Khasra No.		Sub-District	Kaliapani
State	ODISHA	Entity's PAN	****2803M
MoEF File No.	78946/93-MINB1/07- 2022	Entity name as per PAN	UTSAV KASHYAP
Compliance Reporti	ing Details		
r			
Reporting Year	2025		

Remarks (if any)

**Reporting Period** 01 Jun(01 Oct - 31 Mar)

# **Details of Production and Project Area**

Name of Entity / Corporate Office Tata Steel Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	5.088	5.088
Forest	241.77	241.77
Others	0	0
Total	246.858	246.858

# **Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Chromite Ore (ROM)	Million Tons per Annum (MTPA)	31/03/2027	1	.207478	0.6

## Conditions

## **Specific Conditions**

Sr.No.	Condition Type	Condition Details	
1	Statutory compliance	The proposal involves a lease area of 246.858 ha cor 241.77 Ha Forest land and 5.088 ha non-forest land. For (FC) has been accorded in favor of the previous lessee 224.63 Ha by MoEFCC on dated 16.01.1997. The app remaining for forest land i.e. 17. 14 ha is yet to be accor lessee has paid NPV for the entire forest land of area 2 EC will be restricted to 229.718 ha (224.63 ha stage-II plus 5.088 Ha an on -forest land)), mining activity will to non-forest land and the area for which stage-II FC is	orest clearance over an area lication for orded. The 41.77 ha. Thi FC available l be restricted
Mining of forest lat		(224.63 ha stage-II FC available and 5.088 Ha non- bmitted for diversion of balance forest land of 17.14 ha	Date: 30/05/2025
2	Statutory compliance	The production of Chromite ore - 1.0MTPA from the diverted forest land (229.718 Ha), subject to the permi Indian Bureau of Mines (IBM), for the period of 1(One the date of EC granted.	ssion from the
The min (224.63 Bureau o	ha stage-II FC available and 5.088 H	ithin the diverted and non-forest land i.e. 229.718 ha (a) only. The Mining plan has been approved by Indian -2328/2024-25-IBM RO BBS dated 17.01.2025 to	Date: 30/05/2025
3	Statutory compliance	The Forest Clearance (FC) clearance issued in favor lessee shall have to be transferred in the name of Ms. 7 Mining Ltd. within a period of 1(One) year from the d granted.	Tata Steel
<b>PPs Su</b> Forest C FC appli proposal NPV for applicati	<b>ubmission:</b> Being Complied Tearance (FC) has been accorded over ication for the remaining forest land I no. FP/OR/MIN/QRY/448403/2023 the entire forest land of area 241.77 ion with requisite fee vide letter No. '	lessee shall have to be transferred in the name of Ms. T Mining Ltd. within a period of 1(One) year from the d	Tata Steel ate of EC Date:
Forest C FC appli proposal NPV for	<b>ubmission:</b> Being Complied Tearance (FC) has been accorded over ication for the remaining forest land I no. FP/OR/MIN/QRY/448403/2023 the entire forest land of area 241.77 ion with requisite fee vide letter No. '	lessee shall have to be transferred in the name of Ms. The Mining Ltd. within a period of 1(One) year from the digranted. er an area of 224.63 ha by MoEFCC on 16.01.1997. The i.e 17.14 Ha has been applied to MoEFCC vide 3 dated 18.10.2023 and it is progress. We have also paid 3ha. We have already applied the FC transfer	Tata Steel ate of EC Date: 30/05/2025
PPs Su Forest C FC appli proposal NPV for applicati Cuttack. 4 PPs Su As ment TSML/M	<b>ubmission:</b> Being Complied         Clearance (FC) has been accorded over ication for the remaining forest land if and FP/OR/MIN/QRY/448403/2023         the entire forest land of area 241.77         ion with requisite fee vide letter No. for with requisite fee vide letter No. for with requisite fee vide letter No. for the remaining forest land of area 241.77         ubmission: Being Compliance         ubmission: Being Complied         ioned, we have already applied for the for the remaining forest land i.e 1	lessee shall have to be transferred in the name of Ms. 7 Mining Ltd. within a period of 1(One) year from the d granted. er an area of 224.63 ha by MoEFCC on 16.01.1997. The i.e 17.14 Ha has been applied to MoEFCC vide 8 dated 18.10.2023 and it is progress. We have also paid 3ha. We have already applied the FC transfer TSML/MD/2290/FY22, dated 20th Dec 2021 to DFO, Grant of CTO after One year shall be subject to trans 224.63 Ha in the name of M/s. Tata Steel Mining Ltd.	Tata Steel ate of EC Date: 30/05/2025

		ent chromium were performed, but the results are not moval and high maintenance cost) due to high TSS	Date: 30/05/2025
6	WATER QUALITY MONITORING AND PRESERVATION	The mine shall take adequate measures to minimize treated water to Damsala nallah and take appropriate prevent pollution of the Damsala Nallah in consultat SPCB.	measures to
We ma	<b>Submission:</b> Complied aximize the use of treated water for spr minimum discharge into Damsala Nal	inkling, Plantation, Irrigation and Domestic use to lah.	Date: 30/05/2025
7	Risk Mitigation and Disaster Management	The project proponent shall monitor analysis of her chromium in nearby soil and water body periodically mitigation measures, if necessary.	
We are	<b>Submission:</b> Complied e regularly monitoring the hexavalent c is submitted to OSPCB.	chromium in nearby water body and soil. Monthly	Date: 30/05/2025
8	Corporate Environmental Responsibility	The budget of Rs. 144.65 Lakhs allocated towards completed within 3 years from the date of start of mi as proposed. PP shall also comply at I action plans m hearing concerns and make regular maintenance and progressive activity outcomes. Further, the PP shall a activities listed in CSR activities, as proposed.	ning operations nade for public record the
As per comple High S	ete within 3years. For current year, foll Schools Providing Ambulance Health C	we have taken year wise targets from April 2024 to lowing activities were conducted: Providing Bus for Camp organization Construction of Water conservation	Date: 30/05/2025
		ruction of Amenity Centre for Truck Driver Providing plishment of Computer lab in High Schools	
Defens			nt and should be audited vities along with with geo- raphs and Geo- tc. to the AA, Odisha
9 PPs Funds	Submission: Complied for CER activities are being tracked. T	The amount proposed under Corporate Environmen (CER) head should be kept in a separate bank accoun audited annually. The PP should annually submit the statement and details of implementation of CER acti- proof of activities viz. photographs (before and after location date and time), purchase documents, photog location of the infrastructures/ facilities developed, e Regional Office of MoEFCC, Bhubaneswar and SEI before 1st July of every year for the activities carried	nt and should be audited vities along with with geo- raphs and Geo- tc. to the AA, Odisha

13 PPs St Applicat manner.		recommended by CSIR-NEERI in time bound manner for the project. ded by CSIR-NEERI are being complied in time bound <b>Condition Details</b>	as applicable Date: 30/05/2025
previous 13 <b>PPs S</b>	ubmission: Complied ble specific conditions as recommend	for the project.	Date:
previous	Statutory compliance		as applicable
		The proponent shall comply all the specific condition	
7.5 meter plantation with at 1	on in peripheral zone (safety zone) as east 90 percent survival rate will be on ed within 3 years from the date of co	ng maintained all around the mine lease. The adequate s well as gap plantation with the seedling of 6-8ft height done to control the dust at source. The plantation will be mmencement of mining operations. Causalities of the saplings proposed to be planted every year.	Date: 30/05/2025
12	GREENBELT	The PP shall undertake the adequate plantation in pe well as gap plantation with the seedling of 6-8ft height 90 percent survival rate to control the dust at source ar completed within 3 years from the date of commencem operations. Causalities of the previous year should be than the saplings proposed to be planted every year.	with at least ad should be nent of mining
Cost cer audited activitie submitte	regularly. The audited statement for t s, environmental monitoring report a	our finances have been implemented and the system is the cost centre with environmental management nd detail of Environment Management Cell will be Shubaneswar and SEIAA, Odisha before 1st July 2025	Date: 30/05/2025
11	Human Health Environment	The amount proposed under Occupational Health pla be kept in a separate bank account and should be audit The PP should annually submit the audited statement a environment monitoring report along with proof of act photographs (before and after with geo-location date a purchase documents, sampling reports, photographs ar of the infrastructures/facilities developed, details of pe in Environment Management Cell etc. to the Regional MoEFCC, Bhubaneswar and SEIAA, Odisha before 15 year for the activities carried out during previous year.	ed annually. and detailed ivities viz. nd time), ad Geo-location rsons engaged Office of st July of even
protection audited monitor	bunt having a unique cost centre map on related expenditures are booked in statement for the cost centre with env	environmental expenditure is maintained in a separate ped in the SAP system. All sorts of environmental the said cost centre for accounting purpose. The vironmental management activities and environmental nal Office of MoEFCC, Bhubaneswar and SEIAA, rried out during FY 25.	Date: 30/05/2025
	ated cost Centre for maintaining all e		

		and only 5.088 Ha non-forest land. No patta land is ase deed with land schedule is approved by Govt.	Date: 0/05/2025
2	MISCELLANEOUS	The Project Proponent shall prepare digital map (land cover) of the entire lease area once in five years purpor monitoring land use pattern and submit a report to con Regional Office of the MOEFCC.	se of
The di	<b>Submission:</b> Agreed to Comply gital map (land use and land cover) gional Office of the MOEFand CC.	of the entire lease area will be submitted after 5years to	Date: 30/05/2025
3	MISCELLANEOUS	The Project Authorities should inform to the Regiona regarding date of financial closures and final approval by the concerned authorities and the date of start of lar work.	of the project
	Submission: Agreed to Comply ly developed project, Final Mine clo	sure to be submitted after approval of FMCP from IBM.	Date: 30/05/2025
4	LAND RECLAMATION	The reclamation of waste dump sites shall be done in manner as per the Approved Mining Plan cum Progress Closure Plan.	
The re-	<b>Submission:</b> Complied clamation is being carried out in a sessive Mine Closure Plan.	cientific manner as per approved Mining Plan cum	Date: 30/05/2025
5	Statutory compliance	Project Proponent (PP) shall obtain Consent to Opera of EC and effectively implement all the conditions stip The mining activity shall not commence prior to obtain Establish / Consent to Operate from the concerned Star Control Board.	oulated therein
Consei Consei		der No. 10964/IND-II-CTE-6887, dated 12.07.2023 and order No. 5674/IND-I-CON-220, dated 24.03.2025 from	Date: 30/05/2025
Consei Consei	nt to Establish was obtained vide Or nt to Operate has been obtained vide	der No. 10964/IND-II-CTE-6887, dated 12.07.2023 and	30/05/2025 et, 1952, Mine 5 and rules and us circulars
Conser Conser State F 6 PPs S Applic Regula	nt to Establish was obtained vide Or nt to Operate has been obtained vide Pollution Control Board. Statutory compliance Submission: Complied cable rules and regulation of Mines A	der No. 10964/IND-II-CTE-6887, dated 12.07.2023 and order No. 5674/IND-I-CON-220, dated 24.03.2025 from The PP shall adhere to the provision of the Mines Ac and Mineral (Development and Regulation), Act, 2015 regulations made there under. PP shall adhere to variou issued by Directorate General Mines Safety (DGMS) a Bureau of Mines from time to time.	30/05/2025 et, 1952, Mine 5 and rules and us circulars
Conser Conser State F 6 PPs S Applic Regula	nt to Establish was obtained vide Or nt to Operate has been obtained vide Pollution Control Board. Statutory compliance Submission: Complied cable rules and regulation of Mines A ation) Act, 2015 are being complied.	der No. 10964/IND-II-CTE-6887, dated 12.07.2023 and order No. 5674/IND-I-CON-220, dated 24.03.2025 from The PP shall adhere to the provision of the Mines Ac and Mineral (Development and Regulation), Act, 2015 regulations made there under. PP shall adhere to variou issued by Directorate General Mines Safety (DGMS) a Bureau of Mines from time to time.	30/05/2025 et, 1952, Mine 5 and rules and us circulars and Indian Date: 30/05/2025 ers/ judgment urt, Hon ble

of Hon ble Supreme Court dated 2nd August, 2017 in Writ Peti (Civit) No. 114 of 2014 in matter of Common Cause versus Un India and Ors. <b>PPS Submission:</b> Complied Entire compensation is paid and is being paid time to time as per Department of Mining and 30:057       Date 30:057         9       Statutory compliance       This Environmental Clearance shall become operational only receiving formal NBWL Clearance from MoEFCC subsequent recommendations of the Standing Committee of National Board Wildlife, if applicable to the Project.       Date 30:057 <b>PPS Submission:</b> Complied As per the previous stage -II forest clearance, The NBWI. Clearance is not required for this project. The NOC was obtained by previous lessee and same is attached as Annexure I.       Date 30:057         10       Statutory compliance       This Environmental Clearance (FL) under the provision of I Conservation Act, 1980, as applicable to the project.       Date 30:057 <b>PPS Submission:</b> Complied Mining operation is restricted to 229.718 ha (224.63 ha stage-II FC available and 5.088 Ha non- forest had). Application has already been submitted for diversion of balance forest land of 17.14 ha to MoEFCC.       30:057         11       Statutory compliance       The Project Proponent shall follow the mitigation measures provided in MoEPCCS Office Memoraridum No.2-I101103 az on Habitations-Issues related to the mining projects wherein Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mi				
30/057         Entre compensation is paid and is being paid time to time as per Department of Mining and Geology, Govt of Odisha.       30/057         9       Statutory compliance       This Environmental Clearance shall become operational only receiving formal NBWL. Clearance from MoEFCC subsequent recommendations of the Standing Committee of National Boar Wildlife, if applicable to the Project. <b>PPS Submission:</b> Complied       As per the previous lasse and same is attached as Annexure I.       Date 30/057         10       Statutory compliance       This Environmental Clearance shall become operational only receiving formal Forest Clearance (FC) under the provision of I Conservation Act, 1980, as applicable to the project.       Date 30/057 <b>PPS Submission:</b> Complied       This Environmental Clearance shall become operational only receiving formal Forest Clearance (FC) under the provision of I Conservation Act, 1980, as applicable to the project.       Date 30/057 <b>II</b> Statutory compliance       This Environmental Clearance shall become operational only receiving formal Forest Clearance (FC) under the provision of I Conservation has already been submitted for diversion of balance forest land, Application has already been submitted for diversion of balance forest land, Application has already been submitted for diversion of balance forest land, Application measures that the MoEFCCs Office Memoraridum No. 7-11013/57/2       Date 30/057         11       Statutory compliance       The Project Proponent shall follow the mining Projects Wherein Habitations and villages are the part of mine lease areas or Habitations and villages are the part of	8	Statutory compliance	shall not be commenced till the entire compensation le illegal mining paid by the Project Proponent through t Department of Mining and Geology in strict complian of Hon ble Supreme Court dated 2nd August, 2017 in (Civil) No. 114 of 2014 in matter of Common Cause v	evied, if any, for their respective the of Judgment Writ Petition
9       Statutory compliance       receiving formal NBWL Clearance from MoEFCC subsequent recommendations of the Standing Committee of National Board Wildlife, if applicable to the Project. <b>PFs Submission:</b> Complied       As per the previous stage -II forest clearance, The NBWL Clearance is not required for this project.       Date 30/05/.         10       Statutory compliance       This Environmental Clearance shall become operational only receiving formal Forest Clearance (FC) under the provision of I Conservation Act, 1980, as applicable to the project.       Date 30/05/.         11       Statutory compliance       The Project Proponent shall follow the mitigation measures provided in MoEFCCs Office Memoraridum No. Z-11013/S7/2       Date 30/05/.         11       Statutory compliance       The Project Proponent shall follow the mitigation measures provided in MoEFCC office Memoraridum No. Z-11013/S7/2       Date 30/05/.         11       Statutory compliance       The Project Proponent shall follow the mitigation measures revided in MoEFCC office Memoraridum No. Z-11013/S7/2       Date 30/05/.         12       Statutory compliance       The Project Proponent shall follow the mining Project wherein Habitations-Issues related to the mining Project wherein Habitations-Issues related to the mining Project wherein Habitations-Issues related to the mining Project.       Date 30/05/.         12       Statutory compliance       The Project Proponent shall obtain necessary proprepression of the competent authorities for drawl of requisite quantity of surf water and from CGWA for withdrawal of groundwater for the pr	Entire c	ompensation is paid and is being	paid time to time as per Department of Mining and	Date: 30/05/2025
30/05/2         30/05/2         The NOC was obtained by previous lessee and same is attached as Annexure I.         30/05/2         The NOC was obtained by previous lessee and same is attached as Annexure I.         10       Statutory compliance         This Environmental Clearance shall become operational only receiving formal Forest Clearance (FC) under the provision of I Conservation Act, 1980, as applicable to the project.         PPs Submission: Complied       Date 3005/2         Mining operation is restricted to 229.718 ha (224.63 ha stage-II FC available and 5.088 Ha nonforest 1and). Application has already been submitted for diversion of balance forest land of 17.14 ha       Date 3005/2         11       Statutory compliance       The Project Proponent shall follow the mitigation measures provided in MoEFCCs Office Memoaridum No. Z-11013/57/2         11       Statutory compliance       The Project Proponent shall follow the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area.         PPs Submission: Complied       Date 30/05/2         Necessary precaution and best mining practices are being followed to reduce impacts on nearby villagers.       Date 30/05/2         12       Statutory compliance       The Project Proponent shall obtain necessary prior permission the competent authorities for drawl of requisite quantity of surf water and from CGWA for withdrawal of groundwater for the project.         PPs Submission: Complied <td>9</td> <td>Statutory compliance</td> <td>receiving formal NBWL Clearance from MoEFCC su recommendations of the Standing Committee of Natio</td> <td>bsequent to the</td>	9	Statutory compliance	receiving formal NBWL Clearance from MoEFCC su recommendations of the Standing Committee of Natio	bsequent to the
10       Statutory compliance       receiving formal Forest Clearance (FC) under the provision of I Conservation Act, 1980, as applicable to the project. <b>PPs Submission:</b> Complied       Mining operation is restricted to 229,718 ha (224.63 ha stage-II FC available and 5.088 Ha nonforest land). Application has already been submitted for diversion of balance forest land of 17.14 ha       Date 30/05/         11       Statutory compliance       The Project Proponent shall follow the mitigation measures provided in MoEPCCs Office Memoraridum No. Z-11013/S7/2 IA.II (M), dated 29th October, 2014, titled Impact of mining ac on Habitations-Issues related to the mining Projects wherein Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease area. <b>PPs Submission:</b> Complied       The Project Proponent shall obtain necessary prior permission the competent authorities for drawl of requisite quantity of surfaver and from CGWA for withdrawal of groundwater for the project.         12       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat / NGO etc. if any, from whom suggestion / representation has be received while processing the proposal.       Date 30/05/         13       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/04, TSL/SAR/061/FY24/04       Date 30/05/	As per t	he previous stage -II forest cleara		Date: 30/05/2025
Mining operation is restricted to 229.718 ha (224.63 ha stage-II FC available and 5.088 Ha non-forest land). Application has already been submitted for diversion of balance forest land of 17.14 ha to MoEFCC.       30/05/         11       Statutory compliance       The Project Proponent shall follow the mitigation measures provided in MoEFCCs Office Memoraridum No. Z-11013/57/2 IA.II (M), dated 29th October, 2014, titled Impact of mining ac on Habitations. Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area.         PPS Submission: Complied Necessary precaution and best mining practices are being followed to reduce impacts on nearby villagers.       Date 30/05/         12       Statutory compliance       The Project Proponent shall obtain necessary prior permission the competent authorities for drawl of groundwater for the project.       Date 30/05/         13       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04, from whom suggestion / representation has been received while processing the proposal.       Date 30/05/	10	Statutory compliance	receiving formal Forest Clearance (FC) under the prov	
11       Statutory compliance       provided in MoEFCCs Office Memoraridum No. Z-11013/57/2         11       Statutory compliance       main and statutory compliance       provided in MoEFCCs Office Memoraridum No. Z-11013/57/2         11       Statutory compliance       main and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease areas or Habitations and villages are surrounded by the mine lease areas.         PPs Submission: Complied       Date 30/05/2         12       Statutory compliance       The Project Proponent shall obtain necessary prior permission the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of groundwater for the project.         PPs Submission: Complied       Date 30/05/2         NOC has been obtained for ground water abstraction with order no.       CGWA/NOC/MIN/ORIG/2024/21019 valid up to 25/11/2026.         13       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat / NGO etc. if any, from whom suggestion / representation has bee received while processing the proposal.       Date 30/05/2         PPs Submission: Complied       Copy of EC letter was submitted to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04 from whom suggestion / representation has been received while processing the proposal.       Date 30/05/2	Mining forest la	operation is restricted to 229.718 and). Application has already been		Date: 30/05/2025
12       Statutory compliance       The Project Proponent shall obtain necessary prior permission the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of groundwater for the project.       30/05/2         12       Statutory compliance       The Project Proponent shall obtain necessary prior permission the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of groundwater for the project.       Date 30/05/2         PPs Submission: Complied         NOC has been obtained for ground water abstraction with order no.       CGWA/NOC/MIN/ORIG/2024/21019 valid up to 25/11/2026.         13       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat / NGO etc. if any, from whom suggestion / representation has be received while processing the proposal.       Date 30/05/2         PPs Submission: Complied         Copy of EC letter was submitted to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04 from whom suggestion / representation has been received while processing the proposal.       Date 30/05/2	11	Statutory compliance	provided in MoEFCCs Office Memoraridum No. Z-1 IA.II (M), dated 29th October, 2014, titled Impact of 1 on Habitations-Issues related to the mining Projects w Habitations and villages are the part of mine lease area	1013/57/2014- mining activiti wherein as or
12       Statutory compliance       the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of groundwater for the project. <b>PPs Submission:</b> Complied       Date 30/05/2         NOC has been obtained for ground water abstraction with order no.       CGWA/NOC/MIN/ORIG/2024/21019 valid up to 25/11/2026.         13       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat / 2         NGO etc. if any, from whom suggestion / representation has be received while processing the proposal.       Date 30/05/2 <b>PPs Submission:</b> Complied       NGO etc. if any, from whom suggestion / representation has be received while processing the proposal.       Date 30/05/2	Necessa	ary precaution and best mining pra	actices are being followed to reduce impacts on nearby	Date: 30/05/2025
NOC has been obtained for ground water abstraction with order no.       30/05/2         CGWA/NOC/MIN/ORIG/2024/21019 valid up to 25/11/2026.       30/05/2         13       Statutory compliance       A copy of EC letter will be marked to concerned Panchayat / 2         NGO etc. if any, from whom suggestion / representation has be received while processing the proposal.       Date 30/05/2         PPs Submission: Complied       Copy of EC letter was submitted to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04 from whom suggestion / representation has been received while processing the proposal.       Date 30/05/2	12	Statutory compliance	the competent authorities for drawl of requisite quanti water and from CGWA for withdrawal of groundwate	ty of surface
13       Statutory compliance       NGO etc. if any, from whom suggestion / representation has bereceived while processing the proposal. <b>PPs Submission:</b> Complied       Copy of EC letter was submitted to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04 from whom suggestion / representation has been received while processing the proposal.       Date 30/05/2	NOC ha	as been obtained for ground water		Date: 30/05/2025
Copy of EC letter was submitted to concerned Panchayat, Zilla Parishad and Block Development Officer vide letter nos. TSL/SAR/061/FY24/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04 from whom suggestion / representation has been received while processing the proposal.	13	Statutory compliance	NGO etc. if any, from whom suggestion / representati	
14 Statutory compliance State Pollution Control Poord shall be responsible for display	Copy of Officer	f EC letter was submitted to conce vide letter nos. TSL/SAR/061/FY	724/01, TSL/SAR/061/FY24/03, TSL/SAR/061/FY24/04	Date: 30/05/2025
State Fonution Control Board shar be responsible for display	14	Statutory compliance	State Pollution Control Board shall be responsible for	or display of

District		d to State Pollution Control Board, its Regional office, ffice/ Tahasildars Office for display vide letter nos. /05 and TSL/SAR/061/FY24/06.	Date: 30/05/2025
15	Statutory compliance	The Project Authorities should widely advertise abo this EC letter by printing the same in at least two local one of which shall be in vernacular language of the co The advertisement shall be done within 7 days of the i clearance letter mentioning that the instant project has EC and copy of the EC letter is available with the Stat Control Board and web site of the Ministry of Enviror and Climate Change (www.parivesh.nic.in). A copy o advertisement may be forwarded to the concerned Mo Office for compliance and record.	l newspapers, oncerned area. issue of the been accorded te Pollution iment, Forest f the
The EC Pioneer that the Pollutio	r, Bhubaneswar (English daily) on 1 e instant project has been accorded E	al newspapers, The Pagatibadi (Oriya daily) and The 0.11.2023. The advertisements were done mentioning EC and copy of the EC letter is available with the State e Ministry of Environment, Forest and Climate Change	Date: 30/05/2025
16	Statutory compliance	The Project Proponent shall inform the MoEFCC/SH for any change in ownership of the mining lease. In ca change in ownership or mining lease is transferred tha operation shall only be carried out after transfer of EC provisions of the para 11 of EIA Notification, 2006 as time to time.	ase there is any in mining as per
	Submission: Agreed to Comply		
(Schem Tribuna of Part Mining	9OR2004PLC009683) into and with ne of Amalgamation), and its approv- al, Cuttack Bench vide Order (NCL' I of the Scheme of Amalgamation, to Limited (TSML) into and with Tata- aber 1, 2023 (Effective Date). The na	ta Steel Mining Limited (TSML CIN No. Tata Steel Limited (CIN-L27100MH1907PLC000260) val and sanction by the Honble National Company Law T Order), in terms of Clause 8.1 read with Clause 9.1(h) the captioned Scheme of Amalgamation of Tata Steel a Steel Limited has become operative and effective from ame change of the EC letter has been accorded by	Date: 30/05/2025
(Schem Tribuna of Part Mining Septem	9OR2004PLC009683) into and with ne of Amalgamation), and its approv- al, Cuttack Bench vide Order (NCL' I of the Scheme of Amalgamation, to Limited (TSML) into and with Tata- aber 1, 2023 (Effective Date). The na	a Tata Steel Limited (CIN-L27100MH1907PLC000260) val and sanction by the Honble National Company Law T Order), in terms of Clause 8.1 read with Clause 9.1(h) the captioned Scheme of Amalgamation of Tata Steel a Steel Limited has become operative and effective from	30/05/2025 ters, relevant 2.5, NO2; CO AAQS 009 covering th in the impact at prominent condition to s. The above

	MONITORING AND PRESERVATION	subsequent suppression (like regular water sprinkling, construction etc.) shall be carried out in areas prone to wherein high levels of PM10 and PM2.5 are evident su road, loading and unloading point and transfer points. The dust emissions from sources shall be regularly controlled installation of required equipments/ machineries and primaintenance. Use of suitable water-soluble chemical dragents may be explored for better effectiveness of dust system. It shall be ensured that air pollution level confect standards prescribed by the MoEFCC/ Central Pollution Board.	air pollution Ich as haul The Fugitive ed by reventive ust suppressing control prm to the
Regular air poll unloadi along n explore	ution wherein high levels of PM10 and ng point and transfer points. 500 mtrs h najor haul roads. Use of suitable water-	with water tanker and fixed sprinkling in areas prone to PM2.5 are evident such as haul road, loading and length of fixed sprinkling has already been installed soluble chemical dust suppressing agents will be of system. Air pollution level are conforming to the Pollution Control Board.	Date: 30/05/2025
19	WATER QUALITY MONITORING AND PRESERVATION	In case, immediate mining scheme envisages intersect water table, then Environmental Clearance shall become only after receiving formal clearance from CGWA. In operation involves intersection of ground water table a then PP shall ensure that prior approval from CGWA a Odisha is in place before such mining operations. The intersection of ground water table shall essentially be be detailed hydro-geological study of the area.	ne operational case, mining t a later stage, nd SEIAA, permission for
NOC fo	Submission: Complied or ground water abstraction has been of /NOC/MIN/ORIG/2024/21019 valid u		Date: 30/05/2025
20	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of the flow rate of the springs and nallahs flowing in and around the mine lease shall be c records maintain. The natural water bodies and or stread flowing in an around the village, should not be disturbed table should be nurtured so as not to go down below th period. In case of any water scarcity in the area, the Pro- has to provide water to the villagers for their use. A pro- regular monitoring of water table in open dug wall local should be incorporated to ascertain the impact of minin water table. The Report on changes in Ground water le shall be submitted on six-monthly basis to the Integrate Office of the Ministry, CGWA and State Groundwater State Pollution Control Board.	arried out and ms which are ed. The water e pre-mining oject Proponent ovision for ated in village ag over ground vel and quality ed Regional
Regular being c flowing provide out by i submitt	arried out and records are being mainta in an around the mine lease are being water to the villagers for their use. Re installation of piezometers. The Report	msala nallahs flowing north side of the mine lease is ain. No natural water bodies or streams which are disturbed. In case of any water scarcity in the area, we gular monitoring of ground water table is being carried on changes in Ground water level and quality is being ed Regional Office of the Ministry, CGWA and State htrol Board.	Date: 30/05/2025
21	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall regularly monitor and mainta w.r.t. ground water level and quality in and around the establishing a network of existing wells as well as new installations during the mining operation in consultatio Ground Water Authority/ State Ground Water Departm	mine lease by piezo-meter n with Central

		submitted on six-monthly basis to the Integrated Region the Ministry, CGWA and State Groundwater Departme Pollution Control Board.	
Regular Report	on changes in Ground water level	is being carried out by installation of piezometers. The and quality is being submitted on six-monthly basis to the y and State Pollution Control Board.	Date: 30/05/2025
22	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall undertake regular monitoring water course/ water resources/ springs and perennial n flowing in and around the mine lease and maintain its project proponent shall undertake regular monitoring of upstream and downstream of water bodies passing wit mine lease and maintain its records. Sufficient number be provided at appropriate places within the lease for r water. PP shall carryout regular monitoring w.r.t. pH a same in monitoring plan. The parameters to be monito include their water quality vis-a-vis suitability for usag criteria and flow rate. It shall be ensured that no -obstr alteration be made to water bodies during mining oper justification and prior approval of SEIAA, Odisha. The water courses/ bodies existing lease area shall be carried times in a year viz. pre- monsoon (April-May), manso- post-monsoon (November) and winter (January) and th monitored data be sent regularly to the Integrated Reging Bhubaneswar of MoEFCC, Gol, SEIAA, Odisha, Cent Water Authority and Regional Director, Central Grour Board, State Pollution Control Board and Central Pollo	allahs existing records. The of water quality hin and nearby of gullies sha nanagement of and included th red shall ge as per CPCH uction and/ or ations without e monitoring o ed out four on (August), he record of ional Office, tral Ground ad Water
		Board. Clearly showing the trend analysis on six-mont	
Regular flowing water is analyse six-mor	g north side of the mine lease is bei s not disturbed. Regular monitoring and reported monthly. The trend	Board. Clearly showing the trend analysis on six-mont uality (upstream and downstream) of the Damsala nallahs ing carried out and records are maintained. The natural g of pH and other water quality parameters are being analysis of water quality parameters is being submitted on nal Office of the Ministry, CGWA and State Groundwater	
Regular flowing water is analyse six-mor	r monitoring of the flow rate and q g north side of the mine lease is bei s not disturbed. Regular monitoring a and reported monthly. The trend nthly basis to the Integrated Region	Board. Clearly showing the trend analysis on six-mont uality (upstream and downstream) of the Damsala nallahs ing carried out and records are maintained. The natural g of pH and other water quality parameters are being analysis of water quality parameters is being submitted on nal Office of the Ministry, CGWA and State Groundwater	Date: 30/05/2025 20/05/2025 20/05/2025 20/05/2025 20/05/2025 20/2/2025 20/2/2025 20/2/1 20/2/1 20/2/1 20/2/1 20/2/1 20/2/1
Regular flowing water is analyse six-mot Departr 23 23 23 PPs S The wa drainag (TDS), effluent	r monitoring of the flow rate and q g north side of the mine lease is bei s not disturbed. Regular monitoring d and reported monthly. The trend nthly basis to the Integrated Region ment/ State Pollution Control Boar WATER QUALITY MONITORING AND PRESERVATION	Board. Clearly showing the trend analysis on six-mont uality (upstream and downstream) of the Damsala nallahs ing carried out and records are maintained. The natural g of pH and other water quality parameters are being analysis of water quality parameters is being submitted on nal Office of the Ministry, CGWA and State Groundwater d on six-monthly basis. Quality of polluted water generated from mining ope include Chemical Oxygen Demand (COD) in mines ru mine drainage and metal contamination in run-off shal along with Total Suspended Solids (TDS), Dissolved O pH and Total Suspended Solids (TDS). The monitored uploaded on the website of the company as well as dis project site in public domain, on a display board, at a s near the main gate of the Company. The circular No. J /2006-IA.II (M) dated 27.05.2009 issued by Ministry of Forest and Climate Change may also be referred in thi emical Oxygen Demand (COD) in mines run-off; acid mine off shall be monitored along with Total Suspended Solids Total Suspended Solids (TSS) are being analysed for the s and treated. The monthly average data is being displayed	Date: 30/05/2025 erations which in-off; acid 1 be monitored Oxygen (DO), data shall be played at the suitable locatio - 20012/1 of Environmer

Retaini plan fo	or management of dump and surface ru	d check dams are constructed as per approved mining in-off. The run-off is being guided through concreate for treatment and discharge during rainy season.	Date: 30/05/2025
25	WATER QUALITY MONITORING AND PRESERVATION	De-silting of agricultural lands in buffer zone and be nearby Nalas/rivers perennially periodically and perpe- due to wash up of minerals/OB/dumps shall be done a submitted. Retaining wall shall be constructed to ensu after wash up is escaped from the core / buffer zone o	etually caused as per SOP are that no silt
No spil	<b>Submission:</b> Complied Il over or wash-up material is dumped on period every year.	in nearby nalla/river. The drain is de-silted before	Date: 30/05/2025
26	WATER QUALITY MONITORING AND PRESERVATION	Project Proponent shall plan, develop and implement harvesting measures on long term basis to augment gr resources in the area in consultation with Central Grou Board/ State Groundwater Department. A report on an recharged needs to be submitted to Integrated Regional MoEFCC as a part of compliance in the six monthly c report.	ound water und Water nount of water al Office,
We hav	Submission: Complied ve constructed two rooftop rain water l of water recharged is attached as anne	harvesting structures for ground water recharge. The	Date: 30/05/2025
uctums			
	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater (workshop and waste water from should be properly collected and treated in an ETP as to conform to the notified standards prescribed from to applicable. The standards shall be prescribed through Operate (CTO) issued by concerned State Pollution C (SPCB). The workshop effluent shall be treated after it passage through Oil and grease trap.	proposed so as ime to time, as Consent to ontrol Board
27 <b>PPs \$</b> Contan	MONITORING AND PRESERVATION Submission: Complied	Industrial wastewater (workshop and waste water from should be properly collected and treated in an ETP as to conform to the notified standards prescribed from to applicable. The standards shall be prescribed through Operate (CTO) issued by concerned State Pollution C (SPCB). The workshop effluent shall be treated after it passage through Oil and grease trap.	proposed so as ime to time, as Consent to ontrol Board its initial Date:
27 <b>PPs \$</b> Contan	MONITORING AND PRESERVATION Submission: Complied ninated water is being treated in ETP b	Industrial wastewater (workshop and waste water from should be properly collected and treated in an ETP as to conform to the notified standards prescribed from to applicable. The standards shall be prescribed through Operate (CTO) issued by concerned State Pollution C (SPCB). The workshop effluent shall be treated after it passage through Oil and grease trap.	proposed so as ime to time, as Consent to ontrol Board its initial Date: 30/05/2025 it and measure up and reported
27 PPs S Contan recycle 28 PPs S	MONITORING AND PRESERVATION Submission: Complied ninated water is being treated in ETP bed for washing purpose after treatment WATER QUALITY MONITORING AND PRESERVATION Submission: Complied audit has been conducted by TERI, Ne	Industrial wastewater (workshop and waste water from should be properly collected and treated in an ETP as to conform to the notified standards prescribed from the applicable. The standards shall be prescribed through Operate (CTO) issued by concerned State Pollution C (SPCB). The workshop effluent shall be treated after it passage through Oil and grease trap.	proposed so as ime to time, as Consent to ontrol Board its initial Date: 30/05/2025 it and measure up and reported
27 PPs S Contan recycle 28 PPs S Water	MONITORING AND PRESERVATION Submission: Complied ninated water is being treated in ETP bed for washing purpose after treatment WATER QUALITY MONITORING AND PRESERVATION Submission: Complied audit has been conducted by TERI, Ne	Industrial wastewater (workshop and waste water from should be properly collected and treated in an ETP as to conform to the notified standards prescribed from the applicable. The standards shall be prescribed through Operate (CTO) issued by concerned State Pollution C (SPCB). The workshop effluent shall be treated after it passage through Oil and grease trap.	proposed so as ime to time, as Consent to ontrol Board its initial Date: 30/05/2025 at and measure up and reported ution Control Date: 30/05/2025 n the nearest

		villages in respect of both human and animal population. Conseque sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that t biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.		
Biologic floodlig	hts/ masks only in the mining operatio	d with limited night operation and by orienting the on areas at night. Schedule maintenance of the HEMM uous monitoring is being done at night.	Date: 30/05/2025	
31	Noise Monitoring & Prevention	The Project Proponent shall take measures for control levels below 85 dBA in the work environment. The work in operations of HEMM, etc. should be provided with of /muffs. All personnel including laborers working in du be provided with protective respiratory devices along we training, awareness and information on safety and heal PP shall be held responsible in case it has been found the personals/ laborers are working without personal protection equipment.	orker engaged ear plugs sty areas shal with adequate th aspects. Th hat workers/	
Ear plug prone ar	reas. It is a general PPE compliance to	g provided to workers working high noise and dust the Tata Steels safety rules. Schedule maintenance of e and continuous monitoring is being done.	Date: 30/05/2025	
32	MINING PLAN	The Project Proponent shall adhere to the working pa mining plan which was submitted at the time of EC ap year-wise plan was mentioned for total excavation i.e. mineral, waste, over burden, inter burden and top soil e in basic mining proposal like mining technology, total mineral and waste production, lease area and scope of method of mining, overburden and dump management mining, mineral transportation mode, ultimate depth of shall not be carried out without prior approval of comp which entail adverse environmental impacts, even if it approved mining plan modified after grant of EC or gra Govt. in the form to Short Term Permit (STP), Query I other name.	praisal where quantum of etc. No chang excavation, working (viz. , O.Band dum f mining etc.) etent authorit is a part of anted by State	
We have appraisa over bun mineral and dun mining and sam	al wherein year-wise plan was mention rden etc. No change in basic mining pr and waste production, lease area and s ap management, O.B and dump mining etc.) are same as per the mining plan.	f mining plan which was submitted at the time of EC ted for total excavation i.e. quantum of mineral, waste, roposal like mining technology, total excavation, scope of working (viz. method of mining, overburden g, mineral transportation mode, ultimate depth of If any modification in mining plan will be carried out ved modified mining plan will be submitted, and prior	Date: 30/05/2025	
33	MINING PLAN	The Project Proponent shall get the Final Mine Closu with Financial Assurance approved from Indian Bureau Mines/Department of Mining and Geology as required Provision of the MMDR Act, 1957 and Rules/ Guidelin under. A copy of approved final mine closure plan shal within 2 months of the approval of the same from the c authority to the concerned Regional Office of the Mini Environment, Forest and Climate Change for record ar	u of under the nes made ther Il be submitte competent stry of	

We will Indian B the MMI closure p authority	<b>PPs Submission:</b> Agreed to Comply We will submit the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining and Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan will be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.					
34	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the concerned Integrated Regional Office, Bhubaneswar of MoEFCC, Gol.					
The land being go rehabilit of the sa	verned as per the approved Mining Pl ation measures will be taken until the	stages of mining scheme as well as at the end-of-life is lan. The mature mined out areas will be backfilled, and vegetation becomes self-sustaining. Compliance status the concerned Integrated Regional Office, Bhubaneswar	30/05/2025			
35	LAND RECLAMATION	The Overburden (O.B.) generated during the minin shall be stacked at earmarked OB dump site(s) only a be kept active for a long period of time. The physical the OB dumps like height, width and angle of slope s as per the approved Mining Plan as per the guideline by D.G.M.S w.r.t. safety in mining operations shall be adhered to maintain the stability of topsoil/OB dump shall be used for land reclamation and plantation.	and it should not l parameters of shall be governed s/circulars issued be strictly			
The over slope. The	<b>PPs Submission:</b> Complied The overburden is stacked in earmarked areas as per approved mining plan with proper height and slope. The guidelines/circulars issued by D.G.M.S are strictly followed and complied. Year wise reclamation through plantation is being carried out as per approved mining plan.					
36	LAND RECLAMATION	The reject/waste generated during the mining opera stacked at earmarked waste dump site(s) only. The p parameters of the waste dumps like height, width and shall be governed as per the approved Mining Plan a guidelines/circulars issued by DGMS w.r.t. safety in operations shall be strictly adhered to maintain the st dumps.	hysical 1 angle of slope s per the mining			
During r stacked a	<b>PPs Submission:</b> Complied During mining operation, OB and ROM is produced. Overburden (less 10 percent chromite) is stacked at earmarked waste dump site(s) only as per approved mining plan. All the safety guidelines are being strictly followed to maintain the stability of waste dumps.					
37	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the					

The dur and sur been co compac	face run-off as per the direction of loca onstructed to channelize the run-off war	aplings to maintain the slope stability, prevent erosion al forest department. Proper drainage arrangement has ter without forming any gullies. The dump mass is illing/ leveling of dump mass. In critical areas, use of ed out for stabilization of the dump.	Date: 30/05/2025
38	LAND RECLAMATION	The Project Proponent shall carry out slope stability the dump height is more than 30 meters. The slope stab shall be submitted to concerned regional office of MoE India, Bhubaneswar as well as SEIAA, Odisha.	bility report
The slo		SIR-Central Institute of Mining and Fuel Research itted in FY 25 H1 EC compliance uploaded in Parivesh	Date: 30/05/2025
39	LAND RECLAMATION	Catch drains, settling tanks and siltation ponds of app shall be constructed around the mine working, mineral topsoil / OB / waste dumps to prevent runoff of water a sediments directly into the water bodies (Nallah/ River The collected water should be utilized for watering the roads, green belt development, plantation etc. The drai sedimentation sumps etc. shall be de-silted regularly, p after monsoon season, and maintained properly.	yards and and flow of / Pond etc.). mine area, ns/
The cat		priate size is constructed around the mine working,	
other w maintai	ater bodies. The drains and settling pit	er and flow of sediments directly into the river and s are regularly de-silted by mechanized means and ins, channels and sedimentation pits is being carried onsoon season.	Date: 30/05/2025
other w maintai out and	ater bodies. The drains and settling pit ned properly. Desilting of garland drai	s are regularly de-silted by mechanized means and ins, channels and sedimentation pits is being carried	30/05/2025 shall be storm run-off ty margin of 5 over and abov ischarge in the oviding r settling of
other w maintai out and 40 <b>PPs S</b> Check o to prevo	ater bodies. The drains and settling pit ned properly. Desilting of garland drai will be carried out before and after mo LAND RECLAMATION Submission: Complied dams of appropriate size, gradient and ent storm run-off and sediment flow in r non-working quarry as sumps to collo . However, we have constructed 1200m	s are regularly de-silted by mechanized means and ins, channels and sedimentation pits is being carried onsoon season. Check dams of appropriate size, gradient and length constructed around mine pit and OB dumps to prevent and sediment flow into adjoining water bodies. A safet percent shall be kept for designing of sump structures of peak rainfall (based on 50 years data) and maximum di mine and its adjoining area which shall also help in pro- adequate retention time period thereby allowing proper sediments/ silt material. The sedimentation pits/ sumps	30/05/2025 shall be storm run-off ty margin of 5 over and abov ischarge in the oviding r settling of

	vill be stored at earmarked area and	psoil generated till date. If any topsoil will generate, will be used for land reclamation and plantation	Date: 30/05/2025
42	LAND RECLAMATION	The mining lease holders shall, after ceasing mining undertake re-grassing the mining area and any other a have been disturbed due to their mining activities and to a condition which is fit for growth of fodder, flora,	area which may l restore the lan
After c		ndertake re-grassing the mining area and any other area to for growth of fodder, flora and fauna etc.	Date: 30/05/2025
43	Statutory compliance	No Transportation of the minerals shall be allowed passing through transportation of the minerals leaving gap (say at least 200 meters) so that the adverse impa dust along with chances of accidents could be mitigat resulting from widening and strengthening of existing network shall be borne by the PP in consultation with Govt. Department. Transportation of minerals throug movement in case of existing village/ rural roads shal consultation with nodal State Govt. Department only strengthening such that the carrying capacity of roads handle the traffic load. The pollution due to transport environment will be effectively controlled and water also be done regularly. Vehicular emissions shall be I control and regularly monitored. Project should obtai Under Control (PUC) certificate for all the vehicles fr pollution testing centers.	g an adequate ct of sound and ced. All costs g public road nodal State h road l be allowed in after required is increased to ation load on the sprinkling will cept under n Pollution
The sta o with other n regular Vehicu	nodal State Govt. Department with 1 nine owners to transport their materi water sprinkling is being done with lar emissions are kept under control	aining lease, and we have applied for diversion of the road requisite cost for diversion. This road is being used by all al from Sukinda valley. To decrease the pollution load, consultation with Regional officer, SPCB, Kalinganagar. and regularly monitored. We obtain Pollution Under	Date: 30/05/2025
	our vehicle fitness for mining opera	es from authorized pollution testing centers, which is a tions.	
		1 0	sion. Other y with tanker- dust generatior yards etc. shoul ments. The air suction hoods, belt-conveyor yor should be portation. PP
44 PPs S Fixed v water s	AIR QUALITY MONITORING AND PRESERVATION	tions. The Main haulage road within the mine lease should with a permanent water arrangement for dust suppress roads within the mine lease should be wetted regularl mounted water sprinkling system. The other areas of like crushing zone, material transfer points, material y invariably be provided with dust suppression arrange pollution control equipments like bag filters, vacuum dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. The belt convert fully covered to avoid generation of dust while transpi- shall take necessary measures to avoid generation of emissions.	sion. Other y with tanker- dust generation yards etc. shou ments. The air suction hoods, belt-conveyor yor should be portation. PP

We have requisite		hway road to nodal State Govt. Department with ne recommendation of traffic management study	Date: 30/05/2025		
46	Statutory compliance	The Project Proponent shall provide parking plaza vehicles within the lease area as per recommendation applicable to the project			
Parking p	<b>bmission:</b> Complied plaza cum amenity centre has been pr a as per recommendation of NEERI r	rovided for the drivers and transport vehicles within th report.	Date: 30/05/2025		
47	GREENBELT	The Project Proponent shall develop greenbelt in 7 zone all along the mine lease boundary as per the gu in order to arrest pollution emanating from mining of the lease. The whole Green belt shall be developed years starting from windward side of the active min development of greenbelt shall be governed as per t the Ministry irrespective of the stipulation made in a plan.	idelines of CPCB operations within within first 5 ing area. The ne EC granted by		
About 60 boundary operation of the loc policy. A density o	v as per the guidelines of CPCB in or as within the lease. Some portion of t cal people and will be maintained afte bout 16,871 nos of local saplings are	e is being maintained all along the mine lease der to arrest pollution emanating from mining he safety zone is not maintained due to encroachment er successful implementation of Odisha State R and R e planted in dump for more survival rate with tree ompletion of backfilling in mined out quarries, habilitation of the lease area.	Date: 30/05/2025		
48	GREENBELT	The Project Proponent shall carryout plantation/ a backfilled and reclaimed area of mining lease, aroun along the roadsides, in community areas etc. by plan species in consultation with the State Forest Depart Department/ Rural development department/ Tribal Department/ Gram Panchayat such that only those s which are of use to the local people. The CPCB guid respect shall also be adhered. The density of the tree around 2500 saplings per Hectare. Adequate budget shall be made for protection and care of trees.	nd water body, nting the native nent/ Agriculture Welfare pecies be selected delines in this as should be		
About 16 2500 per	hectare till FY25. After completion	d in dump for more survival rate with tree density of of backfilling in mined out quarries, plantation will be lease area.	Date: 30/05/2025		
49	done for reclamation and rehabilitation of the lease area.49The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.				
	<b>bmission:</b> Agreed to Comply re mine area of 246.858Ha comprises	of 241.773.78 Ha of forest land and 5.088Ha non-	Date:		

30/05/2025 forest land. No such grazing land have been acquired by the company. In future, if required alternate areas for livestock grazing will be arranged in consultation with the State Government. The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be 50 GREENBELT taken for conservation of flora and fauna. The Plan shall be approved by Chief Wildlife Warden of the State Govt and implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry. PPs Submission: Being Complied Date: Conservation measures for protection of flora and fauna in the core and buffer zone are being carried 30/05/2025 out as per the direction of the local forest and wildlife department. Previous lessee site-specific wildlife management plan is vested to TSML and same will be managed. We are in process for diversion of 17.14 ha of Sabik Forest land and required conservation measures will be taken. The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which 51 Human Health Environment are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis. **PPs Submission:** Complied We have appointed Utkal Poly Clinic, Bhubaneswar (An occupational Health Expert Organisation) for the said Job. The health check-up is being carried out on regular basis. In order to prevent the Date: occupational health hazard, periodical medical examination of workers engaged in the mining 30/05/2025 activities is carried out as per the DGMS guidelines by the certified Surgeon. M/s TSL has established one non-bed dispensary to carry out health check-up program by qualified medical Surgeon Day to day basis and fist-add to any injury. TSF unit has conducted medical camps in nearby community for malaria, Nutrition, Vector Born disease, cataract etc in recent days. A commitment in form of an undertaking for periodical occupational health checkup of the employee and the local people 52 Human Health Environment shall be done through an occupational health expert as per the detailed action plan submitted with the proposal within 6 months from the date of issue of Environmental Clearance. **PPs Submission:** Complied Date: We have established one non-bed dispensary to carry out health check-up program by qualified 30/05/2025 medical Surgeon on Day to day basis and for providing first-aid to any injury. Tata Steel Foundation conduct medical check-up for nearby community on regular basis. The Project Proponent must demonstrate commitment to work towards Zero Harm from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby 53 Human Health Environment community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighbourhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to

biomass cooking. The proponent shall also create awareness and

		Hygiene, Hand washing, not to defecate in open, Wom Hygiene (Providing Sanitary Napkins), hazard of tobac use. The Proponent shall carryout base line HRA for a of workers and thereafter every five years.	co and alcoho
Tata Ste manage (EMP) i identific appropr	ment standards in its operations for e is prepared outlining the possible Saf cation of workplace hazards and asse	Workplace procedures integrated with safety ensuring safe working. An Emergency Management Plan fety and Health Risk Assessment (HRA) for ss their potential risks to health and determine health and wellbeing of workers. Awareness programs on ucted.	Date: 30/05/2025
54	Human Health Environment	The Proponent shall carry out Occupational health su which be a part of HRA and include Biological Monito practical and feasible, and the tests and investigations a exposure (e.g. for Dust a X-Ray chest; For Noise Audi Lead Exposure Blood Lead, For Welders Full Ophthal Assessment; for Manganese Miners a complete Neurol Assessment by a Certified Neurologist, and Manganese estimation in Blood; For Inorganic Chromium-Fortnig inspection of hands and forearms by a responsible pers routine tests all tests would be carried out in a Lab acc: NABH. Records of Health Surveillance must be kept f examination and tests. 30 years, including the results o records of The record of exposure due to materials like Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, I Manganese, Chromium, Lead, Uranium need to be har Mining Department of the State in case the life of the r than 30 years. It would be obligatory for the State Min to make arrangements for the safe and secure storage of including X-Ray. Only conventional X-Ray will be acc record purposes and not the digital one). X-Ray must r criteria (17 xl4 inches and of good quality).	oring where relevant to the ometric; for mologic ogical e (Mn) htly skin on. Except redited by or Physical f and the e Asbestos, fron, ided over to the nine is less es Departmen of the records cepted for
Periodic body he		workers and employees, which include checkups for audiometry etc. by a certified Medical practitioner.	Date: 30/05/2025
55	Human Health Environment	The Proponent shall maintained a record of performa for workers which includes (a) there should not be a si decline in their Body Mass Index and it should stay be 24.9, (b) the Final Chest X-Ray compared with the bas should not show any capacities,(c) At the end of their I there should be no Diminution in their Lung Functions Expiratory Volume in one second (FEV1),Forced Vita VC), and the ratio) unless they are smokers which has and the effect of age, (d) their hearing should not be af proof an Audiogram (first and last need to be presented should not have developed any Persistent Back Pain, N the movement of their Hip, Knee and other joints shou range of movement, (f) they should not have suffered I body part. The record of the same should be submitted Regional Office, MoEFCC annually along with details and compensation paid to workers having above indica	gnificant tween 18.5 - e line X-Ray eaving job Forced l Capacity (F to be adjusted fected. As a d), (e) they leck Pain, and ld have norma oss of any to the of the relief
	ubmission: Complied	onducted which includes eye test, audiometry, Lung	Date: 30/05/2025

tor FY2	5 will be submitted to RO, MOEFCO	····	
56	Human Health Environment	The Project Proponent shall ensure that Personnel we areas should wear protective respiratory devices and th be provided with adequate training and information on health aspects.	ey should als
Wet dri sprinkli	ng arrangement. Staffs and Workers	nes. Further all dusty areas are being wetted by water exposed to dust prone areas are provided with all PPEs. T Centre to educate them on safety and health aspects.	Date: 30/05/2025
57	Human Health Environment	Project Proponent shall make provision for the housing workers/labors or shall construct labor camps within/or (company owned land) with necessary basic infrastruct like fuel for cooking, mobile toilets, mobile STP, safe of medical health care, creche for kids etc. The housing m provided in the form of temporary structures which car after the completion of the project related infrastructure domestic wastewater should be treated with STP in ord contamination of underground water.	utside ture/ facilities drinking wate nay be n be removed e. The
Majorit all facil		. We have constructed temporary residential facility with old area and provided facilities like toilets, safe drinking ds.	Date: 30/05/2025
58	PUBLIC HEARING	The project proponent shall submit the time-bound at the concerned integrated regional office of the Ministry months from the date of issuance of environmental clea undertaking the activities committed during public hea project proponent and as submitted to SEAC, in terms provision of the MoEF CC Office Memorandum No-22 1A.111 dated 30" September,2020. The action plan sha implemented within three years of the commencement	y within 6 arance for ring by the of the 2-65/2017- all be
The app	<b>ubmission:</b> Being Complied blicable activities committed during F and implementation to be completed	Public hearing are being complied as in time bound by FY 26.	Date: 30/05/2025
59	PUBLIC HEARING	The activities proposed in action plan prepared for activities raised during the Public Hearing shall be completed budgetary provisions mentioned in the action plan and stipulated time frame. The status report on implementate plan shall be submitted to the concerned Regional Offi Ministry along with District Administration. Project Prese the funds earmarked for environmental protection separate account and refrain from diverting the same for purposes. The Year wise expenditure of such funds show reported to the IRO, Bhubaneswar, MoEFCC, OSPCB Odisha.	eted as per the within the ation of action ce of the coponent shall measures in or other buld be
The acti Hearing to the co earmark	are being completed. The status reponcerned Regional Office of the Min	red for addressing the issues raised during the Public ort on implementation of action plan will be submitted istry along with District Administration. The funds issures is kept in separate cost centre and will not be	Date: 30/05/2025
60	MISCELLANEOUS	The Project Proponent shall submit six monthly comp	pliance repor

30/0         We have established a separate Environmental Management Cell with qualified persons which is headed by top Management.       30/0         62       MISCELLANEOUS       The project proponent shall augment infrastructure on drink water, health care and education in nearby villages as per tim action plan submitted.       Da 30/0         PPS Submission: Complied       Da 30/0         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.       Da 30/0         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.       Da 30/0         64       MISCELLANEOUS       It shall be mandatory for the project management to submit monthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environment August of the state Sessment Auth (SEIAA). Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft cories on Is all upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).       Da 30/0         65       MISCELLANEOUS         The project proponent shall augment infrastructure on drinking water, health care and education in nearby villages area vide NOC NO: 180048/SEZ/Bhubanes/w	Six mon safeguar	rds is being submitted to the conce	atus of the implementation of the stipulated environmental erned Integrated Regional Office (IRO), Bhubaneswar of on Control Board and State Pollution Control Board.	Date: 30/05/2025
62       MISCELLANEOUS       The project proponent shall augment infrastructure on drink water, health care and education in nearby villages as per tim action plan submitted.       30/0         62       MISCELLANEOUS       The project proponent shall augment infrastructure on drink water, health care and education in nearby villages as per tim action plan submitted.       Da 30/0         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.       Da 30/0         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.       Da 30/0         64       MISCELLANEOUS       It shall be mandatory for the project management to submit monthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environ Clearance to the State Environment Impact Assessment Auth (SEIAA), Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft copies on 1s and 1st December of each calerad rear. The proponent shall upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry (www.parivesh.nic.in) or monitoring of EC Condition for Ministry, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website       Da 30/0         65       MISCELLANEOUS       The environmental statement for each financial year ending March in Form-V as is manadated to be submitted by the projec	61	MISCELLANEOUS	implemented to ensure compliance with the environme specified above. A separate Environmental Manageme suitable qualified manpower should be set-up under th Senior Executive. The Senior Executive shall directly of the Organization. Adequate number of qualified En Scientists and Mining Engineers shall be appointed an	ental condition ent Cell with e control of a report to Head vironmental
62       MISCELLANEOUS       water, health care and education in nearby villages as per tim action plan submitted.         PPs Submission: Complied         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.         64       MISCELLANEOUS       It shall be mandatory for the project management to submit monthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environm Clearance to the State Environment Impact Assessment Auth (SEIAA), Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft copies on the status of the implementation of the stipulated environmental and intervent shall upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).       Da 30/0         65       MISCELLANEOUS       The environment as and conditions in this Environment in a statement for each financial year ending mark in Form-V as is mandated to be submitted by the project of the stipulated environmental statement for each financial year ending mark in Form-V as is mandated to be submitted by the project of the stipulated environmental statement for each financial year ending mark in Form-V as is mandated to be submitted by the project www.parivesh.nic.in).	We have	e established a separate Environm	ental Management Cell with qualified persons which is	Date: 30/05/2025
30/0         We have augmented the infrastructure on drinking water, health care and education in nearby       30/0         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.         PPs Submission: Complied       Data Steel Poundation team.       Data Steel Poundation team.         63       MISCELLANEOUS       The project proponent shall obtain permission from DGMS 106(2b) to carry out blasting operation within the lease area.         PPs Submission: Complied       Data Steel Poundation team.       Data Steel Poundation team.         64       MISCELLANEOUS       It shall be mandatory for the project management to submit monthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environ Clearance to the State Environment Impact Assessment Auth (SEIAA), Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft copies on 1s and 1st December of each calendar year. The proponent shall upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry (SUAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).         65       MISCELLANEOUS       The environmental statement for each financial year ending March in Form-V as is mandated to be submitted by the projet set submitted by the projet set set submitted by the projet set set set set set set set set set s	62	MISCELLANEOUS	water, health care and education in nearby villages as	
0.5       MISCELLANEOUS       106(2b) to carry out blasting operation within the lease area. <b>PPs Submission:</b> Complied       Da 30/0         We have obtained permission from DGMS under 106(2b) to carry out blasting operation within the lease area vide NOC NO: 180048/SEZ/Bhubaneshwar Region/Perm/2021/9271, Date: 28/05/2021       Da 30/0         oxidi up to 5years.       It shall be mandatory for the project management to submit monthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environm Clearance to the State Environment Impact Assessment Auth (SEIAA), Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft copies on 1s and 1st December of each calendar year. The proponent shall upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry (www.parivesh.nic.in) or monitoring of EC Condition Ministry, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).       Da 30/0         65       MISCELLANEOUS       The environmental statement for each financial year ending March in Form-V as is mandated to be submitted by the proje	We have	e augmented the infrastructure on		Date: 30/05/2025
We have obtained permission from DGMS under 106(2b) to carry out blasting operation within the lease area vide NOC NO: 180048/SEZ/Bhubaneshwar Region/Perm/2021/9271, Date: 28/05/2021 valid up to 5years.       30/0         64       MISCELLANEOUS       It shall be mandatory for the project management to submit monthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environ Clearance to the State Environment Impact Assessment Auth (SEIAA), Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft copies on 1s and 1st December of each calendar year. The proponent shall upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry (www.parivesh.nic.in) or monitoring of EC Conditio         PPs Submission: Complied         Six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards is being submitted to the concerned Integrated Regional Office (IRO), Bhubaneswar of Ministry, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).       Da         65       MISCELLANEOUS       The environmental statement for each financial year ending March in Form-V as is mandated to be submitted by the projec	63	MISCELLANEOUS		
64MISCELLANEOUSmonthly compliance reports on post environmental monitorin respect of the stipulated terms and conditions in this Environ Clearance to the State Environment Impact Assessment Auth (SEIAA), Odisha, SPCB and Regional Office of the Ministry Environment and Forest, Odisha in hard and soft copies on 1s and 1st December of each calendar year. The proponent shall upload the six monthly compliance report including results of monitored data, as applicable in the website of the Ministry(www.parivesh.nic.in) or monitoring of EC Conditio <b>PPs Submission:</b> Complied Six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards is being submitted to the concerned Integrated Regional Office (IRO), Bhubaneswar of Ministry, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).Da 30/065MISCELLANEOUSThe environmental statement for each financial year ending March in Form-V as is mandated to be submitted by the projet	We have lease are	e obtained permission from DGM ea vide NOC NO: 180048/SEZ/Bł		Date: 30/05/2025
Six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards is being submitted to the concerned Integrated Regional Office (IRO), Bhubaneswar of Ministry, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board in hard copy and through mail. The compliance report is also being uploaded in Ministry website (www.parivesh.nic.in).Da Da 30/065MISCELLANEOUSThe environmental statement for each financial year ending March in Form-V as is mandated to be submitted by the projet	64	MISCELLANEOUS	monthly compliance reports on post environmental more respect of the stipulated terms and conditions in this E Clearance to the State Environment Impact Assessmen (SEIAA), Odisha, SPCB and Regional Office of the M Environment and Forest, Odisha in hard and soft copies and 1st December of each calendar year. The proponer upload the six monthly compliance report including re- monitored data, as applicable in the website of the	onitoring in nvironmental nt Authority linistry of es on 1st June nt shall also sults of
65 MISCELLANEOUS March in Form-V as is mandated to be submitted by the proje	Six mon safeguar Ministry hard cop	thly compliance reports on the start rds is being submitted to the conce y, SEIAA, Odisha, Central Pollution by and through mail. The compliant	erned Integrated Regional Office (IRO), Bhubaneswar of on Control Board and State Pollution Control Board in	Date: 30/05/2025
	65	MISCELLANEOUS		ne project

		under the Environment (Protection) Rules, 1986, as an subsequently, shall also be put on the website of the co- with the status of compliance of EC conditions and sha to the respective to the concerned Integrated Regional Bhubaneswar of MoEFCC, Gol, Central Pollution Con- State Pollution Control Board.	ompany along all also be sen Office (IRO),
The envir TSL/FA Control	MD/SAR/FY25/1399 on dated 30. Board as prescribed under the Env at is also uploaded our company we ns. The same is also being sent to t	year ending 31st March in Form-V vide letter No. .09.2024 was submitted to the Odisha State Pollution rironment (Protection) Rules, 1986. The Environmental ebsite along with the status of compliance of EC the Integrated Regional Office (IRO), Bhubaneswar of Board and State Pollution Control Board.	Date: 30/05/2025
66	MISCELLANEOUS	The proponent shall submit/upload six monthly report of compliance of the stipulated Environmental Clearant including results of monitored data on their website and the same periodically. It shall simultaneously be sent to Office of MoEFCC, Govt. of India, the respective Zon CPCB and the SPCB. The criteria pollutant levels name RSPM, SO2, NOx (ambient levels as well as stack emi- critical sectoral parameters, indicated for the project sh- monitored and displayed at a convenient location near- of the company in the public domain.	ice conditions d shall update o the Regiona al Office of iely; SPM, issions) or nall be
We have Clearanc		the status of compliance of the stipulated Environmental monitored data on our website (www.tatasteel.com) and is	Date: 30/05/2025
67	MISCELLANEOUS	The concerned Regional Office of the MoEFCC shal monitor compliance of the stipulated conditions. The p authorities should extend full cooperation to the MoEF by furnishing the requisite data information / monitorin	oroject FCC officer(s)
Agreed a	<b>abmission:</b> Agreed to Comply and will be extended full cooperati prmation / monitoring reports durin	ion to- the MoEFCC officer(s) by furnishing the requisite ng inspection.	Date: 30/05/2025
68	MISCELLANEOUS	The SEIAA, Odisha may revoke or suspend the EC, implementation of any of the above stipulated condition satisfactory. The SEIAA, Odisha reserves the right to a the above conditions or stipulate any further condition of environment protection.	ons is not alter /modify
68 <b>PPs Su</b> Agreed	MISCELLANEOUS	implementation of any of the above stipulated condition satisfactory. The SEIAA, Odisha reserves the right to a the above conditions or stipulate any further condition	ons is not alter /modify
PPs Su		implementation of any of the above stipulated condition satisfactory. The SEIAA, Odisha reserves the right to a the above conditions or stipulate any further condition	Date: 30/05/2025 Date: 30/05/2025 ler the llution) Act, ct, 1981, the ability rules made on'ble Suprem

and any other Court of Law, Common Cause Conditions as may be applicable.         PPs Submission: Agreed to Comply Agreed       Date: 30/05/2025         71       MISCELLANEOUS       Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.         PPs Submission: Agreed to Comply Agreed       Date: 30/05/2025         72       Statutory compliance       The Project proponent complies with all the statutory requirement and judgment of Hon ble Supreme Court dated 24 August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India and Ors before commencing the mining operations         PPs Submission: Agreed to Comply       Date: 30/05/2025				30/05/2025
PPs Submission: Agreed to Comply Agreed       30/05/2025         71       MISCELLANEOUS       Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.         PPs Submission: Agreed to Comply Agreed       The Project proponent complies with all the statutory requirement and judgment of Hon ble Supreme Court dated 24 August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India and Ors before commencing the mining operations         PPs Submission: Agreed to Comply Agreed       Date: 30/05/2025         PPs Submission: Agreed to Comply Agreed       Visit Remarks         Date: 30/05/2025       30/05/2025         Visit Remarks:       N/A         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	70	MISCELLANEOUS	Hon'ble Supreme Court of India, Ho and any other Court of Law, Commo	n'ble High Court, Hon'ble NGT
71       MISCELLANEOUS       National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.         PPs Submission: Agreed to Comply Agreed         72       Statutory compliance       The Project proponent complies with all the statutory requirement and judgment of Hon ble Supreme Court dated 24 August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India and Ors before commencing the mining operations         PPs Submission: Agreed to Comply         Agreed       Visit Remarks         Visit Remarks         NATIONAL INTERCOUNCE         Visit Remarks         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	PPs So Agreed	ubmission: Agreed to Comply		Date: 30/05/2025
PPs Submission: Agreed to Comply Agreed       30/05/2025         72       Statutory compliance       The Project proponent complies with all the statutory requirement and judgment of Hon ble Supreme Court dated 24 August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India and Ors before commencing the mining operations         PPs Submission: Agreed to Comply Agreed       Date: 30/05/2025         Visit Remarks       Date: 30/05/2025         N/A       M/A         dditional Remarks:       N/A         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	71	MISCELLANEOUS	National Green Tribunal, if preferred prescribed under Section 16 of the N	d, within a period of 30 days as
72       Statutory compliance       and judgment of Hon ble Supreme Court dated 24 August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India and Ors before commencing the mining operations         PPs Submission: Agreed to Comply Agreed         Visit Remarks         Visit Remarks         N/A         N/A         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	PPs S Agreed	ubmission: Agreed to Comply		Date: 30/05/2025
PPs Submission: Agreed to Comply       30/05/2025         Agreed       Visit Remarks         Visit Remarks       N/A         dditional Remarks:       N/A         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	72	Statutory compliance	and judgment of Hon ble Supreme C Writ Petition (Civil) No. 114 of 2014 versus Union of India and Ors before	Court dated 24 August,2017 in 4 in matter of Common Cause
ast Site Visit Report Date:       N/A         dditional Remarks:       N/A         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	PPs So Agreed	ubmission: Agreed to Comply		Date: 30/05/2025
dditional Remarks:         Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's			Visit Remarks	
<b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	ast Site	Visit Report Date:	N/A	
considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's	dditiona	al Remarks:		
			on the compliance of the project. This is stri	

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE) & CHIEF WILDLIFE WARDEN, ODISHA BDA APARTMENT, 5TH FLOOR, PRAKRUTI BHAWAN, NILAKANTHA NAGAR, BBSR-12

Ph. No.0674-2564587, FAX No.0674-2565062 (Website:odishawildlife.org, E. mail: odishawildlife@gmail.com)

10180 Memo No. 27 Dec, 2016 Dated, Bhubaneswar the

To

Sub:

The Divisional Forest Officer, **Cuttack Division** 

Saruabil Chromite Mines of M/s Misrilall Mines (P) Ltd. in Jajpur District - Authentication of location map regarding

/1WL-SSP-55/2016

Your memo No.12385 dt 20.12.2016 Ref:

As per the location map provided by you in your memo No. cited above, the proposed tiger corridor in Daitari DPF is at a radial distance of 9.115 km from the above mining lease. No other National Parks/Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves, etc. exist within 10 km of the above mine lease.

In this regard, I am directed to enclose herewith copies of the location map (in duplicate) duly authenticated by the PCCF (WL) & CWLW, Odisha, in compliance to point No.2 of Govt. of India, MoEF&CC letter No.J-11015/72/2010-IA.II(M) dt 27.6.2016. Encl: As above

Deputy CF (WLM)

Memo No. 10181 /date 27-12,2018 Copy forwarded to the Regional Chief Conservator of Forests, Angul Circle for information with reference to memo

No.12386 dt 20.12.2016 of the DFO, Cuttack Division. Deputy CF (WLM)

P.T.O.

Memo No. 10182 /date 27-12-2016 Copy forwarded to Sri U.K.Sinha, Chief Executive Mines, M/s Misrilall Mines (P) Ltd., Saruabil, PO - Kansa, Dist. - Jajpur, PIN - 755028 for favour of information and necessary action.

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-2-

# Annexure-II: Estimated ground water recharge

Location	Area (m²)	Water Spread Factor	Recharge factor (m/day)	No. of days water available	Estimated annual water recharged
Unlined ponds/pits (inside Mine lease)	553450	0.6	0.0014m/day	365	169688



Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) <u>AMBIENT AIR QUALITY (CORE ZONE)</u>

Name & Address of the Client : Saruabil Chromite Block,

					AAQM	S1- Offic	е Тор					
Monthly Average	РМ10 µg/m3	РМ2.5 µg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	О3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Oct-24	48.7	26.8	7.3	8.2	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nov-24	54.1	31.4	8.1	9.0	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dec-24	53.6	28.8	8.2	9.6	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Jan-25	59.5	33.8	8.9	10.0	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Feb-25	62.0	36.6	10.1	10.5	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	66.2	38.8	10.2	12.0	0.38	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	57.4	32.7	8.8	9.88	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART-4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART-22

**Reviewed By** DIAN

Pati pproved By: DIAY



Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) AMBIENT AIR QUALITY (CORE ZONE)

Name & Address of the Client : Saruabil Chromite Block, M/s TATA Steel Limited, Kalarangiatta, Dist. Jajpur, Odisha

					AAQM	S2- ETP	ТОР					
Monthly Average	PM10 μg/m3	PM2.5 μg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	O3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Oct-24	52.9	29.6	7.9	9.7	0.28	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nov-24	58.3	33.9	9.6	10.0	0.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dec-24	61.9	31.7	9.9	10.9	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Jan-25	65.0	36.2	10.1	11.1	0.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Feb-25	69.4	38.4	10.9	11.3	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	72.3	41.2	12.2	14.5	0.41	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	63.3	35.2	10.1	11.25	0.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART-4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART-22

Reviewed B





Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) AMBIENT AIR QUALITY (CORE ZONE)

Name & Address of the Client : Saruabil Chromite Block,

				AA	QMS3- N	Mechanio	cal Garag	ge				
Monthly Average	РМ10 µg/m3	РМ2.5 µg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	O3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Oct-24	54.3	30.4	8.0	10.2	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nov-24	62.1	34.5	9.1	10.2	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dec-24	63.5	33.6	9.8	10.4	0.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Jan-25	67.8	38.6	10.1	11.1	0.28	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Feb-25	69.1	38.3	10.6	11.5	0.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	70.6	40.2	12.4	14.6	0.39	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	64.6	35.9	10.0	11.33	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART-4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART-22

Reviewed By JIAN





# Report. No: Envlab/25-26/TR-02730 Date: 07.04.2025 SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) AMBIENT AIR QUALITY (CORE ZONE)

Name & Address of the Client : Saruabil Chromite Block,

				A	AAQMS4	4- Old M	agazine					
Monthly Average	РМ10 µg/m3	PM2.5 μg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	O3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Oct-24	51.2	29.2	9.7	10.8	0.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nov-24	60.9	33.4	9.8	11.8	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dec-24	61.6	32.6	10.0	12.9	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Jan-25	69.3	39.5	10.2	13.5	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Feb-25	70.6	39.8	10.6	13.9	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	73.9	40.9	13.6	15.2	0.51	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	64.6	35.9	10.7	13.02	0.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART-4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART-22

Reviewed By DIAN





Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) AMBIENT AIR QUALITY (BUFFER ZONE)

Name & Address of the Client : Saruabil Chromite Block,

				А	AQBZ1:	Balipura	Village					
Monthly Average	PM10 μg/m3	PM2.5 μg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	O3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Dec-24	47.6	27.2	BDL	BDL	BDL	5.5	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	56.9	32.6	BDL	BDL	BDL	5.6	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	53.0	29.9	BDL	BDL	BDL	5.6	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART- 4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guideline s	IS: 5182, PART- 22	CPCB Guideli nes	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART- 22

					AAQBZ2	: Sukuraı	ngi Villag	e				
Monthly Average	PM10 μg/m3	PM2.5 μg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	О3 µg/m3	Рb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Dec-24	50.1	29.5	BDL	BDL	BDL	5.7	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	57.5	35.9	BDL	BDL	BDL	5.9	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	53.8	32.7	BDL	BDL	BDL	5.8	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART -4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART-22







Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) AMBIENT AIR QUALITY (BUFFER ZONE)

Name & Address of the Client : Saruabil Chromite Block,

AAQBZ3: Saruabil Village												
PM10 μg/m3	PM2.5 μg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	О3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3	
52.1	30.1	BDL	BDL	BDL	5.1	BDL	BDL	BDL	BDL	BDL	BDL	
60.2	34.8	BDL	BDL	BDL	6.2	BDL	BDL	BDL	BDL	BDL	BDL	
56.2	32.5	BDL	BDL	BDL	5.7	BDL	BDL	BDL	BDL	BDL	BDL	
100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)	
IS: 5182, PART- 4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART- 22	
	μg/m3 52.1 60.2 56.2 100.00 (24 hours) IS: 5182, PART-	μg/m3         μg/m3           52.1         30.1           60.2         34.8           56.2         32.5           100.00         60.00           (24         60.00           hours)         IS:           5182,         PART-4,           73	μg/m3         μg/m3         μg/m3           52.1         30.1         BDL           60.2         34.8         BDL           56.2         32.5         BDL           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)           IS: 5182, PART-2         IS: 5182, PART-2         IS: 5182, PART-2	PM10 μg/m3         PM2.5 μg/m3         SO2 μg/m3         NOx μg/m3           52.1         30.1         BDL         BDL           60.2         34.8         BDL         BDL           56.2         32.5         BDL         BDL           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)         80.00 (1hours)           IS: 5182, PART-4 23         IS: 5182, PART-4         IS: 5182, PART-6         IS: 5182, PART-6	PM10 μg/m3         PM2.5 μg/m3         SO2 μg/m3         NOx μg/m3         CO mg/m3           52.1         30.1         BDL         BDL         BDL           60.2         34.8         BDL         BDL         BDL           56.2         32.5         BDL         BDL         BDL           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)         80.00 (1 hour)         4.0 (1hour)           IS: 5182, PART-4         IS: 5182, PART-2         IS: 5182, PART-6         IS: 5182, PART-6         IS: 5182, PART-6	PM10 μg/m3         PM2.5 μg/m3         SO2 μg/m3         NOx μg/m3         CO mg/m3         O3 μg/m3           52.1         30.1         BDL         BDL         BDL         5.1           60.2         34.8         BDL         BDL         BDL         6.2           56.2         32.5         BDL         BDL         BDL         5.7           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)         80.00 (1 hour)         4.0 (1hour)         180 (1hour)           IS: 5182, PART-         IS: 5182, PART-6         IS: 5182, PART-         IS: 5182, PART-6         CPCB Guidelin es	PM10 μg/m3         PM2.5 μg/m3         SO2 μg/m3         NOx μg/m3         CO mg/m3         O3 μg/m3         Pb μg/m3           52.1         30.1         BDL         BDL         BDL         5.1         BDL           60.2         34.8         BDL         BDL         BDL         6.2         BDL           56.2         32.5         BDL         BDL         BDL         5.7         BDL           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)         80.00 (1 hours)         4.0 (1 hour)         180 (1hours)         400 (24 hours)           IS: 5182, PART-4         IS: 5182, PART-2         IS: 5182, PART-6         IS: 5182, PART-         CPCB Guidelin         IS: 5182, PART-22	PM10 μg/m3         PM2.5 μg/m3         SO2 μg/m3         NOx μg/m3         CO mg/m3         O3 μg/m3         Pb μg/m3         NH3 μg/m3           52.1         30.1         BDL         BDL         BDL         5.1         BDL         BDL         BDL           60.2         34.8         BDL         BDL         BDL         6.2         BDL         BDL         BDL           56.2         32.5         BDL         BDL         BDL         5.7         BDL         BDL           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)         80.00 (1 hour)         4.0 (1 hour)         180 (1 hour)         400 (24 hours)         5 (Annual)           IS: 5182, PART-4         IS: 5182, PART-4         IS: 5182, PART-6         IS: 5182, PART-6         CPCB Guidelin es         IS: 5182, PART-22         CPCB Guidelin es	PM10 μg/m3         PM2.5 μg/m3         SO2 μg/m3         NOx μg/m3         CO mg/m3         O3 μg/m3         Pb μg/m3         NH3 μg/m3         Benzene μg/m3           52.1         30.1         BDL         BDL         BDL         5.1         BDL         BDL         BDL           60.2         34.8         BDL         BDL         BDL         6.2         BDL         BDL         BDL           56.2         32.5         BDL         BDL         BDL         5.7         BDL         BDL         BDL           100.00 (24 hours)         60.00 (24 hours)         80.00 (1hours)         80.00 (1 hour)         4.0 (1hour)         180 (1hour)         400 (24 hours)         5 (Annual)         1 (Annual)           IS: 5182, PART-4         IS: 5182, PART-4         IS: 5182, PART-6         IS: 5182, PART-6         CPCB Guidelin es         IS: 5182, PART-22         CPCB Guidelin pART-12	PM10 μg/m3       PM2.5 μg/m3       SO2 μg/m3       NOx μg/m3       CO mg/m3       O3 μg/m3       Pb μg/m3       NH3 μg/m3       Benzene μg/m3       Benzo(a) Pyrene mg/m3         52.1       30.1       BDL       BDL       BDL       5.1       BDL       10.000       10(24 hours)       10(10007)       (1hour)       (1hours)       (1hours)       (1hours)       10(24 hours)       5 (Annual)       1       (24 hours)       1       (24 hours)       10(24 hours)       10(24 hours)	PM10 µg/m3PM2.5 µg/m3SO2 µg/m3NOx µg/m3CO mg/m3O3 µg/m3Pb µg/m3NH3 µg/m3Benzene µg/m3Benzo(a) Pyrene ng/m3Arsenic ng/m352.130.1BDLBDLBDL5.1BDLBDLBDLBDLBDL60.234.8BDLBDLBDL6.2BDLBDLBDLBDLBDLBDL56.232.5BDLBDLBDL5.7BDLBDLBDLBDLBDL100.00 (24 hours)60.00 (14 ours)80.00 (1hours)4.0 (1hour)180 (1hour)400 (24 hours)5 (Annual)1 (Annual)1 (24 hours)6 (Annual)1S: 5182, PART-4 73IS: 5182, PART-6IS: 5182, PART-6IS: 5182, PART-10CPCB PART-6IS: 5182, PART-22CPCB PART-22IS: 5182, PART-12IS: 5182, PART-12IS: 5182, PART-12	

AAQBZ4:	I alangi	village	

Monthly Average	РМ10 µg/m3	РМ2.5 µg/m3	SO2 µg/m3	NOx µg/m3	CO mg/m3	О3 µg/m3	Pb µg/m3	NH3 µg/m3	Benzene µg/m3	Benzo(a) Pyrene ng/m3	Arsenic ng/m3	Nickel ng/m3
Dec-24	48.4	27.8	BDL	BDL	BDL	5.6	BDL	BDL	BDL	BDL	BDL	BDL
Mar-25	58.6	35.2	BDL	BDL	BDL	5.7	BDL	BDL	BDL	BDL	BDL	BDL
AVERAG E	53.5	31.5	BDL	BDL	BDL	5.7	BDL	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100.00 (24 hours)	60.00 (24 hours)	80.00 (1hours)	80.00 (1 hour)	4.0 (1hour)	180 (1hour)	400 (24 hours)	5 (Annual)	1 (Annual)	1 (24 hours)	6 (Annual)	20 (Annual)
Method of Testing	IS: 5182, PART- 4, 23	IS: 5182, P ART-4, 23	IS: 5182, PART-2	IS: 5182, PART-6	IS: 5182, PART- 10	CPCB Guidelin es	IS: 5182, PART-22	CPCB Guidelin es	IS: 5182, PART-12	IS: 5182, PART-12	IS: 5182, PART-22	IS: 5182, PART- 22







Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) GROUND WATER QUALITY ANALYSIS REPORT

Name & Address of the Client : Saruabil Chromite Block,

			GW1: Da	msala Nalla	h Site				
Sl. No	Parameter	Unit of Measurement	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAG E
01	Colour	Hazen	CL	CL	CL	CL	CL	CL	CL
02	Odour		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
03	Taste	mg/l	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
04	Turbidity	NTU	<1	<1	<1	<1	1.2	1.1	1.2
05	Total Dissolved Solids as TDS	mg/l	194	185	172	162	154	143	168
06	pH at 25°C		7.26	7.31	7.31	7.33	7.32	7.26	7.30
07	Aluminium (as Al)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
08	Ammonia (as total ammonia-N)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
09	Anionic Detergents	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
10	Calcium as Ca	mg/l	32.1	31.8	32.3	33.6	34.6	35.2	33.3
11	Chloride as Cl	mg/l	27.9	29.8	29.5	28.4	26.9	28.6	28.5
12	Dissolved Oxygen	mg/l	4.8	4.6	4.4	4.2	4.4	4.6	4.5
13	Fluoride as F	mg/l	0.24	0.23	0.22	0.23	0.21	0.18	0.22
14	Free Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	Magnesium as Mg	mg/l	3.57	4.31	4.00	2.15	2.05	1.06	2.86
16	Manganese as Mn	mg/l	0.24	0.22	0.23	0.22	0.19	0.19	0.22
17	Sulphate as SO4	mg/l	6.6	6.0	6.3	6.1	5.8	6.3	6.2
18	Total alkalinity as CaCO3	mg/l	40.2	38.6	38.6	40.1	38.6	58.5	42.4
19	Total Hardness	mg/l	94.6	96.9	96.9	92.5	94.6	92	94.6
20	Mercury as Hg	mg/l	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
21	Nickel (as Ni)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	Pesticide	mg/l	Absent	Absent	Absent	Absent	Absent	Absent	Absent
23	Total Chromium as Cr	μg/l	0.013	0.012	0.012	0.011	0.012	0.013	0.012
24	Hexa Chromium as Cr +6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25	Fecal Coliform	mg/l	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1







#### Date: 07.04.2025

			GW2	2: Piezo hol	e at DB Plot				
SI. No	Parameter	Unit of Measurement	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAGE
01	Colour	Hazen	CL	CL	CL	CL	CL	CL	CL
02	Odour		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
03	Taste	mg/l	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
04	Turbidity	NTU	<1	<1	<1	<1	<1	<1	<1
05	Total Dissolved Solids as TDS	mg/l	188	173	166	156	148	138	162
06	pH at 250C		7.19	7.2	7.28	7.24	7.25	7.31	7.25
07	Aluminium (as Al)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
08	Ammonia (as total ammonia-N)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
09	Anionic Detergents	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
10	Calcium as Ca	mg/l	30.9	30.5	31.4	31.8	31.3	31.9	31.3
11	Chloride as Cl	mg/l	31.2	30.6	30.7	30.3	30.1	30.7	30.6
12	Dissolved Oxygen	mg/l	5	4.5	4.6	4.4	4.2	4.8	4.6
13	Fluoride as F	mg/l	0.22	0.21	0.25	0.25	0.24	0.23	0.23
14	Free Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	Magnesium as Mg	mg/l	2.71	2.01	1.46	2.24	1.11	0.16	1.62
16	Manganese as Mn	mg/l	0.31	0.28	0.27	0.25	0.23	0.21	0.26
17	Sulphate as SO4	mg/l	5.9	5.1	5.4	5.8	6.1	5.4	5.6
18	Total alkalinity as CaCO3	mg/l	42.5	40.7	40.7	42.1	44.2	64.9	45.9
19	Total Hardness	mg/l	88.1	84.2	84.2	88.4	82.5	86.7	85.7
20	Mercury as Hg	mg/l	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
21	Nickel (as Ni)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	Pesticide	mg/l	Absent	Absent	Absent	Absent	Absent	Absent	Absent
23	Total Chromium as Cr	μg/l	0.015	0.014	0.014	0.013	0.011	0.015	0.014
24	Hexa Chromium as Cr +6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25	Fecal Coliform	mg/l	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1







Date: 07.04.2025

# SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) SURFACE WATER QUALITY ANALYSIS REPORT

Name & Address of the Client : Saruabil Chromite Block,

		S	W1: Dan	nsala Nall	ah Upstrea	am Water			
Sl. N o	Parameter	Unit	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAGE
1	Colour (max)	Hazen	<10	<10	<10	<10	<10	<10	<10
2	pH Value		7.35	7.3	7.26	7.29	7.31	7.16	7.28
4	Suspended solids	mg/l	138	129	126	128	130	112	127
5	Dissolved Oxygen (minimum)	mg/l	5.2	5	5.2	5	4.6	4.4	4.90
6	Turbidity	NTU	14.9	11.6	10.9	10.1	10.8	9.6	11.32
7	Chloride (max)	mg/l	33.2	30.3	30.7	30.3	28.9	29.6	30.5
8	Total Dissolved Solids	mg/l	319	308	308	298	284	267	297
9	BOD (3) days at 270C (max)	mg/l	<1	<1	<1	<1	<1	<1	<1
10	Arsenic as As	mg/l	< 0.004	< 0.004	<0.004	<0.004	< 0.004	< 0.004	<0.004
11	Lead as Pb(max)	mg/l	< 0.02	< 0.02	<0.02	< 0.02	< 0.02	< 0.02	<0.02
12	Cadmium as Cd (max)	mg/l	<0.03	< 0.03	<0.03	<0.03	<0.03	< 0.03	<0.03
13	Hexa Chromium as Cr +6	mg/l	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01
14	Copper as Cu (max)	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	<0.02
15	Zinc as Zn(max)	mg/l	<0.03	< 0.03	<0.03	<0.03	<0.03	< 0.03	<0.03
16	Selenium as Se (max)	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	<0.001
17	Cyanide as CN (max)	mg/l	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18	Fluoride as F (max)	mg/l	0.22	0.22	0.21	0.2	0.22	0.21	0.21
19	Sulphates (SO4) (max)	mg/l	0.32	0.29	0.3	0.29	0.31	0.33	0.31
20	Phenolic Compounds as C6H5OH (max)	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
21	Iron as Fe (max)	mg/l	0.22	0.21	0.22	0.23	0.22	0.27	0.23
22	Nitrate as NO3, (max)	mg/l	4.1	4	4.2	4	4.1	4.3	4.12
23	Anionic Detergents (max)	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
24	Total Coli form	MPN/ 100 ml	560	520	480	440	420	380	467







#### Date: 07.04.2025

			SW2: Da	msala Nall	ah Downs	tream Wat	ter		
Sl. N o	Parameter	Unit	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAGE
1	Colour (max)	Hazen	10	<10	<10	<10	<10	<15	<10
2	pH Value		7.31	7.24	7.21	7.22	7.24	7.28	7.25
3	Suspended solids	mg/l	142	138	135	132	136	128	135
4	Dissolved Oxygen (minimum)	mg/l	5.6	5.4	5.4	5.2	4.4	4.8	5.13
5	Turbidity	NTU	17.2	14.2	13.4	11.9	11.2	10.4	13.05
6	Chloride (max)	mg/l	34.6	32.7	31.9	31.7	32.5	30.8	32.37
7	Total Dissolved Solids	mg/l	324	315	315	310	302	295	310
8	BOD (3) days at 270C (max)	mg/l	<1	<1	<1	<1	<1	<1	<1
9	Arsenic as As	mg/l	<0.004	< 0.004	< 0.004	<0.004	<0.004	< 0.004	<0.004
10	Lead as Pb(max)	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
11	Cadmium as Cd (max)	mg/l	<0.03	<0.03	<0.03	<0.03	<0.03	< 0.03	<0.03
12	Hexa Chromium as Cr +6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13	Copper as Cu (max)	mg/l	< 0.02	< 0.02	< 0.02	<0.02	<0.02	< 0.02	<0.02
14	Zinc as Zn(max)	mg/l	<0.03	<0.03	<0.03	<0.03	<0.03	< 0.03	<0.03
15	Selenium as Se (max)	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
16	Cyanide as CN (max)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.01	<0.01
17	Fluoride as F (max)	mg/l	0.24	0.25	0.24	0.23	0.25	0.26	0.25
18	Sulphates (SO4) (max)	mg/l	0.4	0.37	0.35	0.31	0.35	0.38	0.36
19	Phenolic Compounds as C6H5OH (max)	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
20	Iron as Fe (max)	mg/l	0.26	0.24	0.25	0.27	0.25	0.31	0.26
21	Nitrate as NO3, (max)	mg/l	4.8	4.3	4.1	4.3	4.5	4.8	4.47
22	Anionic Detergents (max)	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
23	Fecal Coli form	MPN/ 100 ml	620	580	540	520	480	540	547





Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Report. No: Envlab/25-26/TR-02739

VISIONTEK

Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) DRINKING WATER QUALITY ANALYSIS REPORT

Name & Address of the Client : Saruabil Chromite Block,

	DW1- Piezo hole of COB Plot											
Sl. No	Parameter	Unit	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Average			
1	Colour	Hazen	CL									
2	Odour		Agreeable									
3	Taste	mg/l	Agreeable									
4	Turbidity	NTU	1.1	1.2	1.2	1.1	<1.0	1.1	1.1			
5	Total Dissolved Solids as TDS	mg/l	192	185	185	178	162	162	177			
6	pH at 250C		7.32	7.29	7.32	7.35	7.38	7.28	7.32			
7	Aluminium (as Al)	mg/l	<0.01	< 0.01	<0.01	< 0.01	< 0.01	< 0.01	< 0.01			
8	Ammonia (as total ammonia-N)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9	Anionic Detergents	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
10	Calcium as Ca	mg/l	31.9	32.2	32.2	31.9	32.8	33.9	32.5			
11	Chloride as Cl	mg/l	27.6	28.6	28.5	29.4	28.6	29.4	28.7			
12	Dissolved Oxygen	mg/l	5.5	5.4	5	4.6	4.4	4.6	4.9			
13	Fluoride as F	mg/l	0.23	0.24	0.23	0.22	0.24	0.25	0.24			
14	Free Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
15	Iron as Fe	mg/l	0.24	0.22	0.24	0.26	0.25	0.3	0.25			
16	Magnesium as Mg	mg/l	13.8	14.7	11.7	11.3	9.8	7.34	11.4			
17	Manganese as Mn	mg/l	0.025	0.026	0.021	0.024	0.023	0.023	0.024			
18	Sulphate as SO4	mg/l	10.2	10.7	11.2	10.9	10.2	10.4	10.6			
19	Total Alkalinity as CaCO3	mg/l	68	66	70	68	72	84	71.3			
20	Total Hardness	mg/l	136.2	140.5	128.4	126	122	114.6	128.0			
21	Mercury as Hg	mg/l	<0.004	< 0.004	<0.004	<0.004	< 0.004	<0.004	< 0.004			
22	Nickel (as Ni)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
23	Pesticide	mg/l	Absent									
24	Total Chromium as Cr	mg/l	0.014	0.013	0.012	0.012	0.013	0.014	0.013			
25	Hexa Chromium as Cr +6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
26	fecal Coliform	mg/l	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8			

**Reviewed By** JIAN





Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) DRINKING WATER QUALITY ANALYSIS REPORT

Name & Address of the Client : Saruabil Chromite Block,

	DW2- Tubewell at Saruabil Village										
Sl. N o	Parameter	Unit	Dec-24	Mar-25	AVERAGE						
1	Colour	Hazen	CL	CL	CL						
2	Odour		Agreeable	Agreeable	Agreeable						
3	Taste	mg/l	Agreeable	Agreeable	Agreeable						
4	Turbidity	NTU	1.1	<1.0	1.1						
5	Total Dissolved Solids as TDS	mg/l	162	178	170						
6	pH at 25°C		7.24	7.21	7.23						
7	Aluminium (as Al)	mg/l	<0.01	<0.01	<0.01						
8	Ammonia (as total ammonia-N)	mg/l	<0.1	<0.1	<0.1						
9	Anionic Detergents	mg/l	<0.2	<0.2	<0.2						
10	Calcium as Ca	mg/l	31.5	32.5	32.0						
11	Chloride as Cl	mg/l	26.4	30.1	28.3						
12	Dissolve Oxygen	mg/l	5.2	4.4	4.8						
13	Fluoride as F	mg/l	0.19	0.21	0.20						
14	Free Residual Chlorine	mg/l	<0.1	<0.1	<0.1						
15	Iron as Fe	mg/l	0.26	0.28	0.27						
16	Magnesium as Mg	mg/l	10.7	9.69	10.2						
17	Manganese as Mn	mg/l	0.023	0.028	0.026						
18	Sulphate as SO <sub>4</sub>	mg/l	10.4	9.6	10.0						
19	Total alkalinity as CaCO3	mg/l	62	82	72.0						
20	Total Hardness	mg/l	122.6	120.8	122						
21	Mercury as Hg	mg/l	<0.004	<0.004	<0.004						
22	Nickel (as Ni)	mg/l	<0.1	<0.1	<0.1						
23	Pesticide	μg/l	Absent	Absent	Absent						
24	Total Chromium as Cr	mg/l	0.014	0.016	0.015						
25	Hexa Chromium as Cr +6	mg/l	<0.02	<0.02	<0.02						
26	Fecal Coli form	MPN/100 ml	<1.8	<1.8	<1.8						

Reviewed By JIAN



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)



Report. No: Envlab/25-26/TR-02741

Date: 07.04.2025

# SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) WASTE WATER QUALITY ANALYSIS REPORT

Name & Address of the Client : Saruabil Chromite Block,

			W	W-1: ETP I	nlet				
Sl N o	Parameter	Unit	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAG E
1	pH at 250C	-	7.57	7.66	7.79	8.07	8.19	8.23	7.92
2	Colour	Hazen	<15	<15	<15	<15	<15	<15	<15
3	Odour		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Temperature	°C	24.6	23.8	22.5	21.6	25.3	26.9	24.12
5	Suspended Solids	mg/l	35.64	13.05	12.32	12.46	13.02	14.2	16.78
6	Total Residual Chlorine	mg/l	0.13	0.12	0.13	0.12	0.14	0.16	0.13
7	Oil & Grease	mg/l	3.5	3.7	4.2	4.5	4.8	5.1	4.30
8	Biochemical Oxygen Demand as BOD at 270C For 3 Days	mg/l	32	34	36	34	36	40	35.33
9	Chemical Oxygen Demand as COD	mg/l	112	108	118	128	132	138	123
10	Amm. Nitrogen (as N)	mg/l	1.19	1.21	1.25	1.21	1.24	1.25	1.23
11	Total Kjeldhal Nitrogen	mg/l	4.6	4.5	4.3	4.1	4.4	4.2	4.35
12	Free Ammonia	mg/l	0.02	0.021	0.023	0.021	0.023	0.025	0.022
13	Nitrate as NO3	mg/l	1.24	1.22	1.24	1.23	1.25	1.26	1.24
14	Diss. Phosphate (as P)	mg/l	0.53	0.55	0.53	0.52	0.55	0.56	0.54
15	Fluoride	mg/l	0.26	0.28	0.31	0.29	0.31	0.33	0.30
16	Sulphide	mg/l	ND	ND	ND	ND	ND	ND	ND
17	Phenolic Compound	mg/l	<0.05	<0.05	< 0.05	<0.05	< 0.05	< 0.05	< 0.05
18	Cyanide (as CN)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19	Hexavalent Chromium as Cr +6	mg/l	0.64	0.57	0.56	0.58	0.56	0.58	0.58
20	Mercury (as Hg)	mg/l	<0.004	<0.004	< 0.004	<0.004	<0.004	<0.004	<0.004
21	Arsenic	mg/l	<0.004	<0.004	< 0.004	<0.004	<0.004	<0.004	<0.004
22	Lead (as Pb)	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
23	Cadmium (as Cd)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr)	mg/l	0.75	0.71	0.78	0.69	0.67	0.62	0.70
25	Copper (as Cu)	mg/l	<0.02	<0.02	< 0.02	<0.02	< 0.02	< 0.02	< 0.02
26	Zinc (as Zn)	mg/l	<0.03	<0.03	< 0.03	<0.03	<0.03	<0.03	<0.03
27	Selenium (as Se)	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
28	Nickel (as Ni)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
29	Manganese (as Mn)	mg/l	<0.025	<0.025	< 0.025	<0.025	<0.025	<0.025	<0.025
30	Iron (as Fe)	mg/l	0.43	0.44	0.46	0.48	0.46	0.42	0.45
31	Vanadium (as V)	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
32	Bio-assay Test	%	90%	90%	91%	92%	91%	92%	91%
33	Particle Size of Suspended Solids	μ	< 850	< 850	< 850	< 850	< 850	< 850	< 850
34	Pesticide	mg/l	Absent	Absent	Absent	Absent	Absent	Absent	Absent







Date: 07.04.2025

	WW-2: ETP Outlet											
Sl N o	Parameter	Unit	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERA GE			
1	pH at 250C	-	7.32	7.48	7.33	7.31	7.38	7.78	7.43			
2	Colour	Hazen	<5	<5	<5	<5	<5	<5	<15			
3	Odour		Agreeable									
4	Temperature	°C	25.8	24.1	23.7	22.8	26.1	27.4	24.98			
5	Suspended Solids	mg/l	28.95	29.32	29.93	32.37	34.1	34	31.45			
6	Total Residual Chlorine	mg/l	0.11	0.1	0.11	0.11	0.12	0.14	0.12			
7	Oil & Grease	mg/l	2.6	3	3.8	3.9	3.5	4.6	3.57			
8	Biochemical Oxygen Demand as BOD at 270C For 3 Days	mg/l	<1	<1	<1	<1	<1	<1	<1			
9	Chemical Oxygen Demand as COD	mg/l	<2	<2	<2	<2	<2	<2	<2			
10	Amm. Nitrogen (as N)	mg/l	0.52	0.49	0.52	0.49	0.51	0.53	0.51			
11	Total Kjeldhal Nitrogen	mg/l	2.8	2.7	3.1	2.9	3	3.1	2.93			
12	Free Ammonia	mg/l	0.018	0.016	0.019	0.023	0.021	0.022	0.020			
13	Nitrate as NO3	mg/l	0.12	0.13	0.15	1.18	1.13	1.18	0.65			
14	Diss. Phosphate (as P)	mg/l	< 0.05	< 0.05	<0.05	<0.05	< 0.05	<0.05	< 0.05			
15	Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
16	Sulphide	mg/l	ND									
17	Phenolic Compound	mg/l	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05			
18	Cyanide (as CN)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
19	Hexavalent Chromium as Cr +6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
20	Mercury (as Hg)	mg/l	< 0.004	<0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004			
21	Arsenic	mg/l	< 0.004	< 0.004	<0.004	<0.004	<0.004	< 0.004	< 0.004			
22	Lead (as Pb)	mg/l	< 0.02	< 0.02	<0.02	< 0.02	< 0.02	<0.02	< 0.02			
23	Cadmium (as Cd)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
24	Total Chromium (as Cr)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
25	Copper (as Cu)	mg/l	< 0.02	< 0.02	<0.02	<0.02	< 0.02	< 0.02	< 0.02			
26	Zinc (as Zn)	mg/l	< 0.03	<0.03	<0.03	<0.03	<0.03	<0.03	< 0.03			
27	Selenium (as Se)	mg/l	< 0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
28	Nickel (as Ni)	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
29	Manganese (as Mn)	mg/l	< 0.025	<0.025	< 0.025	<0.025	<0.025	<0.025	<0.025			
30	Iron (as Fe)	mg/l	0.39	0.35	0.39	0.41	0.42	0.38	0.39			
31	Vanadium( as V)	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
32	Bio-assay Test	%	92%	91%	90%	90%	89%	91%	91%			
33	Particle Size of Suspended Solids	μ	< 850	< 850	< 850	< 850	< 850	< 850	< 850			
34	Pesticide	mg/l	Absent									







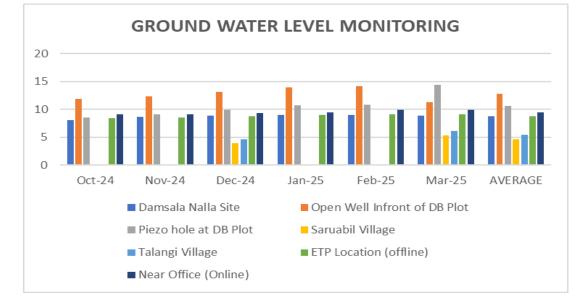
Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) GROUND WATER LEVEL MONITORING REPORT

Name & Address of the Client :

Saruabil Chromite Block,

Sl. No	Parameter	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAG E
1	Damsala Nalla Site	8.04	8.65	8.89	9.04	8.98	8.86	8.74
2	Open Well Infront of DB Plot	11.82	12.28	13.18	13.92	14.11	11.25	12.76
3	Piezo hole at DB Plot	8.57	9.11	9.92	10.75	10.82	14.38	10.59
4	Saruabil Village	NA	NA	3.92	NA	NA	5.32	4.62
5	Talangi Village	NA	NA	4.65	NA	NA	6.13	5.39
6	ETP Location (offline)	8.42	8.55	8.81	8.96	9.08	9.06	8.81
7	Near Office (Online)	9.11	9.16	9.35	9.47	9.92	9.87	9.48









Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) PERSONAL DUST LEVEL MONITORING

Name & Address of the Client :

Saruabil Chromite Block,

		Personal	Respirable	Dust (mg/m	1 <sup>3</sup> )							
Sl. No	Monitoring Location   Oct.24   Nov.24   Dec.24   Jan.25   Keb.25   Mar.25   AVKRA(											
1	MITHUN BEHERA	0.52	0.56	0.58	0.57	0.59	-	0.56				
2 PHILIPKUMAR SAHOO 0.49 0.53 0.55 0.53 0.55 - 0.53												
3	3 MAHAMMAD AZAAD 0.51 0.55 0.57 0.59 0.61 - 0.57											
4	SURSING DAS	0.53	0.51	0.53	0.55	0.57	-	0.54				
5	PRAKASH CH, MAHANTA	0.50	0.53	0.56	0.56	0.58	-	0.55				
6	NIHAR RANJAN HATI	-	-	-	-	-	0.63	0.63				
7	BAMIYA MUNDA	-	-	-	-	-	0.58	0.58				
8	TRINATH GANANAYAK	-	-	-	-	-	0.64	0.64				
9	BIREN KISKU	-	-	-	-	-	0.61	0.61				
10	DAMU BANARA	-	-	-	-	-	0.59	0.59				

		Respi	irable free S	Silica (%)								
Sl. No	Moniforing Location   Oct.24   Nov.24   Dec.24   Jan.25   Keb.25   Mar.25   AVERAGE											
1	MITHUN BEHERA	2.2	2.4	2.7	3.0	3.1	-	2.7				
2	2         PHILIPKUMAR SAHOO         2.1         2.2         2.4         2.6         2.9         -         2.4											
3	3         MAHAMMAD AZAAD         2.3         2.0         2.6         2.9         3.0         -         2.6											
4	SURSING DAS	2.0	2.3	2.5	2.7	3.2	-	2.5				
5	PRAKASH CH. MAHANTA	2.3	2.1	2.6	3.1	3.3	-	2.7				
6	NIHAR RANJAN HATI	-	-	-	-	-	3.5	3.5				
7	BAMIYA MUNDA	-	-	-	-	-	3.2	3.2				
8	TRINATH GANANAYAK	-	-	-	-	-	3.6	3.6				
9	BIREN KISKU	-	-	-	-	-	3.4	3.4				
10	DAMU BANARA	-	-	-	-	-	3.1	3.1				







Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) PERSONAL NOISE LEVEL MONITORING

Name & Address of the Client :

Saruabil Chromite Block,

	Day Time (6.00am to 10.00pm) Noise Level in dB(A)												
Sl. No	Nonitoring Location $1 = 0.00 \pm 7.4$ $1 = 0.00 \pm 7.4$ $1 = 0.00 \pm 7.4$ $1 = 0.00 \pm 7.5$ $1 = 0.00 \pm 7.5$												
1	MITHUN BEHERA	48.6	50.6	53.2	54.2	56.8	52.7						
2	PHILIPKUMAR SAHOO	50.1	53.2	56.8	58.6	60.2	55.8						
3	MAHAMMAD AZAAD	44.3	49.7	51.4	53.2	55.7	50.9						
4	SURSING DAS	46.8	50.1	55.6	57.4	59.3	53.8						
5	PRAKASH CH. MAHANTA	47.5	50.3	54.9	56.3	57.9	53.4						

Day	Time (6.00am to 10.00pm) No	ise Level in dB(A)
Sl. No	Monitoring Location	Mar-25
1	Nihar Ranjan Hati	60.1
2	Bamiya Munda	63.8
3	Trinath Gananayak	59.5
4	Biren Kisku	64.2
5	Damu Banara	62.8

**Reviewed B** JIAY





Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) AMBIENT NOISE MONITORING REPORT

Name & Address of the Client :

	Noise Level in dB(A), Day Time											
SI. No	Location	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAGE				
1	Mines office	50.9	49.2	51.8	46.8	47.2	50.3	49.4				
2	Colony area	53.2	52.7	55.3	51.4	49.7	48.8	51.9				
3	Village Saruabil	43.7	44.5	45.7	46.5	42.5	40.6	43.9				
4	Village Balipura	46.4	45.1	45.2	44.7	43.9	45.5	45.1				

	Noise Level in dB(A), Night Time											
SI. No	Location	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAGE				
1	Mines office	46.7	46.4	47.2	38.2	41.3	45.8	44.3				
2	Colony area	50.5	49.8	52.6	42.9	43.8	42.4	47.0				
3	Village Saruabil	40.2	40.2	41.6	40.3	38.2	32.2	38.8				
4	Village Balipura	42.8	41.6	42.3	39.6	38.2	31.5	39.3				

Reviewed By: JIAT



Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)



Report. No: Envlab/25-26/TR-02747

Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) SOIL QUALITY ANALYSIS REPORT

Name & Address of the Client :

			S-	1: Dump No	-6 (Inside Lea	ase)				
Sl.No	Parameters	Unit	Analysis Results							
			Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERA GE	
1	pH at 250 C		7.22	7.13	7.05	7.13	7.22	7.13	7.15	
	Texture		Clay	Clay	Clay	Clay	Clay	Clay	Clay	
	Sand	%	48.6	47.5	48.9	49.6	50.6	51.3	49.4	
2	Silt	%	2.2	2.6	3	3.1	2.8	3	2.8	
	Clay	%	53.2	55.3	56.3	55.4	54.9	53.4	54.8	
3	Bulk Density	gm/cc	1.29	1.24	1.18	1.17	1.23	1.13	1.2	
4	Water Holding Capacity	%	31.8	32.3	32.3	32.6	35.6	40.6	34.2	
5	Electrical Conductivity	µs/cm	90.5	92.5	88.6	80.4	84.5	90.6	87.9	
6	Available Nitrogen	mg/kg	19.2	19.3	19.1	18.2	19.3	18.3	18.9	
7	Available Potassium as K	mg/kg	15.1	15.4	15.6	16.3	16.7	16.2	15.9	
8	Available Phosphorous as p	mg/kg	10.9	11.2	11.5	12.3	12.9	13.6	12.1	
9	Chloride as Cl	mg/kg	24.5	25.3	25.2	24.6	22.3	24.3	24.4	
10	Iron as Fe	mg/kg	31.6	32.3	30.9	30.1	31.9	32.6	31.6	
11	Copper as Cu	mg/kg	12.2	12.1	11.4	11.7	11.2	11.4	11.7	
12	Nickel as Ni	mg/kg	19.1	18.7	18.3	16.9	14.3	15.9	17.2	
13	Manganese as Mn	mg/kg	25.7	25.6	25.6	23.6	25.1	26.9	25.4	
14	Zinc as Zn	mg/kg	32.3	30.2	30.7	30.3	31.7	30.3	30.9	
15	Cobalt as Co	mg/kg	5.2	5.1	5.3	5.1	4.6	5.2	5.1	
16	Lead as Pb	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
17	Cadmium as Cd	mg/kg	6.1	6	6.1	5.6	5.4	5.1	5.7	
18	Mercury as Hg	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
19	Chromium as Cr	mg/kg	25.6	25.3	24.6	23.8	23.2	26.5	24.8	
20	Arsenic as As	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
21	Hexavalent Chromium as Cr+6	mg/kg	19.8	19.2	18.6	19.5	18.5	18.2	19.0	







Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) SOIL QUALITY ANALYSIS REPORT

Name & Address of the Client :

			S-2: N	ear Shiv Ter	nple (Outside	e Lease)				
	Parameters	Unit	Analysis Results							
Sl.No			Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVERAG E	
1	pH at 250 C		7.08	6.94	6.98	7.01	7.09	7.68	7.13	
	Texture		Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay	
2	Sand	%	50.4	50.8	51.2	50.8	53.1	54.2	51.8	
2	Silt	%	2.5	2.8	2.7	2.8	3.000	2.6	2.7	
	Clay	%	49.4	50.1	51.7	51.3	50.5	50.2	50.5	
3	Bulk Density	gm/cc	1.18	1.09	1.06	1.09	1.07	1.02	1.1	
4	Water Holding Capacity	%	32.7	33.7	31.8	31.1	32.1	38.5	33.3	
5	Electrical Conductivity	µs/cm	77.3	78.4	75.2	77.6	76.2	82.4	77.9	
6	Available Nitrogen	mg/kg	20.5	20.2	20.4	20.4	21.4	22.4	20.9	
7	Available Potassium as K	mg/kg	17.5	17.3	17.1	17.2	17.5	18.1	17.5	
8	Available Phosphorous as p	mg/kg	10.1	10.8	10.9	11.4	11.8	12.4	11.2	
9	Chloride as Cl	mg/kg	21.7	22.7	23.1	22.8	21.4	22.1	22.3	
10	Iron as Fe	mg/kg	33.7	33.8	32.7	31.9	32.7	35.8	33.4	
11	Copper as Cu	mg/kg	13.9	13.5	13.1	12.8	12.5	12.3	13.0	
12	Nickel as Ni	mg/kg	23.2	20.2	20.1	20.7	20.8	20.7	21.0	
13	Manganese as Mn	mg/kg	24.6	23.4	22.7	22.4	23.9	27.4	24.1	
14	Zinc as Zn	mg/kg	25.2	26.8	26.9	26.8	27.8	25.1	26.4	
15	Cobalt as Co	mg/kg	4.9	4.8	4.7	4.5	4.2	4.6	4.6	
16	Lead as Pb	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
17	Cadmium as Cd	mg/kg	6.8	6.5	6.3	6.1	5.9	5.8	6.2	
18	Mercury as Hg	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
19	Chromium as Cr	mg/kg	23.4	22.9	22.8	24.1	22.1	21.7	22.8	
20	Arsenic as As	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
21	Hexavalent Chromium as Cr+6	mg/kg	18.1	17.6	17.4	17.2	16.9	16.8	17.3	







Date: 07.04.2025

## SIX MONTHLY COMPLIANCE REPORT (OCT-24 TO MAR-25) STACK EMISSION ANALYSIS REPORT

Name & Address of the Client :

Stack-1 (1010 KVA DG)									
Sl. No.	Parameters	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	MAR-25	AVERAGE	
1	Stack Temp °C	190	192	192	185	184	190	188.8	
2	Stack Velocity m/sec	19.24	19.04	19.04	18.92	17.82	16.57	18.4	
3	Particulate Matter (PM), mg/Nm <sup>3</sup>	56.5	58.6	58.6	57.6	54.6	58.5	57.4	
4	Oxides of Nitrogen (NOx), ppm	51.7	50.2	50.2	49.8	46.2	44.3	48.7	
5	Sulphur Dioxide (SO2), ppm	16.9	16.3	16.3	16.4	16.5	16.2	16.4	
6	Carbon Monoxide, mg/Nm <sup>3</sup>	66	64	64	62	63	65	64.0	
7	Non-Methyl Hydro Carbon as C, mg/Nm <sup>3</sup>	23.7	23.8	23.8	22.9	21.8	22.8	23.1	



