



Ref: TSL/FAMD/SCM/FY25/1401

Date: 26-09-2024

To,  
The Member Secretary,  
Odisha State Pollution Control Board,  
Paribesh Bhawan,  
A/118, Nilakantha Nagar, Unit-VIII,  
Bhubaneswar-751012

**Subject:** Submission of Environmental statement in FORM-V for the year ending 31<sup>st</sup> March 2024 in respect of Sukinda Chromite Block of M/S Tata Steel Ltd.

**Reference:** Rule-14 under Environmental (Protection) Amendment Rule, 1993 (G.S.R 386, 22.04.1993)

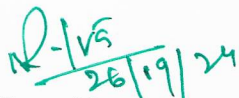
Dear Sir,

We are hereby submitting the Annual Environmental Statement in "FORM-V" prescribed under the provisions of above referenced statute, in respect of Sukinda Chromite Block of M/s Tata Steel Ltd., At – Sukinda, Po- Kalarangiatta, Dist- Jajpur, Odisha, for the year ending 31<sup>st</sup> March 2024. A copy of the annual return (annual return submitted to IBM, Govt. of India/Directorate of Mines, Govt. of Odisha) is also attached as Annexure-I.

This is for your kind information and perusal please. Receipt of the same may please be acknowledged.

Thanking You.

Yours faithfully,  
f: Tata Steel Limited

  
Mines Manager,  
Sukinda Chromite Block

**Copy to:** 1. Regional Officer, SPCB, Kalinganagar, Dhabalagiri Chowk, Jajpur Road (Odisha)  
2. Integrated Regional Office, MoEF&CC, A/3, Rail Vihar, Chandrasekharapur, Bhubaneswar 751023

**TATA STEEL LIMITED**

Ferro Alloys & Minerals Division | Sukinda 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](http://www.tatasteel.com)

Corporate Identity Number L27100MH1907PLC000260



# **Environmental Statement**

**Form - V (FY - 2023 - 24)**

**For**

# **Sukinda Chromite Block**

**Submitted By:**

**Sukinda Chromite Block**

**M/s. Tata Steel Limited**

**At: Sukinda, Po: Kalarangiatta, Block-Sukinda  
District- Jajpur, Odisha -755028**

**FORM-V**

(See Rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR  
ENDING THE 31<sup>st</sup> MARCH, 2024****SUKINDA CHROMITE BLOCK, M/s. TATA STEEL LIMITED.****Part A**

<b>Name and address of the owner / occupier of the industry operation or process.</b>	<b>:</b>	Shri T V Narendran (Managing Director) M/s. Tata Steel Limited, Plot No. N3/24, IRC Village, Nayapalli, Bhubaneswar, Odisha - 751 015
<b>Industry category Primary - (STC code) Secondary - (SIC Code)</b>	<b>:</b>	Primary (SIC): 1000 (Metal Mining) Secondary (SIC): 1060 (Ferro Alloy Ore)
<b>Production capacity - Units.</b>	<b>:</b>	1.36 MTPA (Chromite Ore)
<b>Year of establishment.</b>	<b>:</b>	2020
<b>Date of the last Environmental Statement submitted.</b>	<b>:</b>	28.09.2023

**PART-B****Water and Raw Material Consumption****A. Water Consumption for FY 2023-24 (April 2023 to March 2024)**

<b>Process</b>	<b>Cooling</b>	<b>Domestic</b>
829.17 m <sup>3</sup> /day	3.76 m <sup>3</sup> /day	1304.816 m <sup>3</sup> /day

**B. Specific Water Consumption - (April'2023 to March 2024)****(i) Process water consumption per unit of product output**

<b>Name of the Product</b>	<b>Production (MT)</b>	<b>Water consumption per unit of production*</b>
Chrome Ore (ROM)	597963.0780	0.5 KL/MT

*\*Note: In case of mining operation the water requirement is for dust suppression, plantation & washing of vehicle which has been taken as process consumption of water.*

**(ii) Raw Material Consumption**

The materials consumed during the previous and current financial year are in consumable and supportive ads in nature. The materials which are required for the production of Chrome ore from mine quarry are given below:

Name of material	Name of products	Consumption of material per unit of output	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
Diesel	Chrome Ore (ROM)	6.73 Ltrs/Ton	8.411098 Ltrs/Ton
Gas (LPG)		Nil	Nil
Lubricant oil		0.087 Ltrs/Ton	0.145905 Ltrs/Ton
Grease		0.0064 Kg/Ton	0.015267 Kg/Ton
Electricity		4.64KWH/Ton	10.54197 KWH/Ton
Explosives		0.57 Kg/Ton	0.068901 Kg/Ton

**PART-C**

**{POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT}**

(Parameters as specified in the consent issued)

**1) Water Pollution**

- The major source of water for undertaking various activities is the mine pit water (rainfall and surface runoff accumulated in the pit and ground water seepage). Mine pit water is collected through stage pumping and drains at the Inlet of the ETP where; it is treated to correct the load of suspended solids, pH, Hexavalent Chromium, etc. Treated effluent is then reused for various purposes such as vehicle washing, haul road dust suppression, greenbelt development and maintenance, chrome ore beneficiation process and the balance treated effluent is discharged beyond the premises conforming to the prescribed norms.
- Water consumed for industrial cooling (AC Cooling): 100% Recycled.
- Water Consumed for Vehicle Washing: 100% Recycled at Oil-Water Separation Pit.
- The only point at which the potential for the discharge of pollutant is with the discharge end (outlet of the ETP) which has been put under real-time monitoring for the analysis of critical parameters such as, TSS, pH and Hexavalent Chromium. The summary of the treated effluent quality is outlined in the Table below:

Sl. No.	Parameters	Unit	Result Average	Maximum Permissible Standard	Variation from the prescribed standard (%)	Quantity (Kg/day)	Remarks for the deviations if any
2.	Suspended Solids	mg/ltr	30.6	100	-70	142	Within the prescribed Limit
3.	Oil & Grease	mg/ltr	2.13	10	-79	10.11	Not Detected in any of the samples.

4.	BOD (3) days at 270c	mg/ltr	ND	30	-100	NA	Below detection limit.
5.	COD	mg/ltr	ND	250	-100	NA	Below detection limit
6.	Hexavalent Chromium as Cr +6	mg/ltr	BDL	0.1	-100	NA	Below detection limit
7.	Total Chromium	mg/ltr	BDL	2.0	-99	NA	Detected only in few Samples
8.	Nickel as Ni	mg/ltr	BDL	3	-100	NA	Below detection limit
9.	Iron as Fe	mg/ltr	0.25	3	-91	1.196	Below detection limit

**2) Air Pollution**

There is no such point source of emission from the mine. Major source of air pollutants is fugitive dust generated mainly due to the movement of vehicles/HEMMs in the haul roads, drilling/blasting activities etc, which is fugitive in nature and thus has not been quantified (mass/day).

**PART-D**

**HAZARDOUS WASTAGES**

**(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)**

Hazardous Waste	Total Quantity	Total Quantity
	During the previous financial year (2022-23)	During the current financial year (2023-24)
<b>(a) From process</b>		
Used/Waste Oil	62.151 KL	40.003 KL
Oil Contamination Waste	333 Kg	128.7 Kg
Oil Filters & filter Materials	4934 Nos	2139
ETP Sludge	224.93 Ton	252.11 Ton
<b>(b) From pollution control facilities</b>	Included in the above-mentioned items	Included in the above-mentioned items

**PART-E**

**Solid Waste**

	Solid Waste	Total Quantity (MT)
		During the current financial year (2023-24)
(a)	From process (Overburden)	8344034 Ton
(b)	From pollution control	Nil

	facility	
(c)	(1) Quantity recycled or re-utilized within the unit	Nil
	(2) Sold	Nil
	(3) Disposed	Nil

**PART-F**

**[Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.]**

The details composition and characteristics of solid and hazardous waste are given below

<b>Sl. No</b>	<b>Waste Description</b>	<b>Nature of Waste</b>	<b>Composition/ Characteristics</b>	<b>Quantity (2023-24)</b>	<b>Management (Methods of collection and Disposal)</b>
1	Overburden Material	Non-Hazardous (Solid waste)	Quartzite, Laterites, Lateritic soil, Talc schist and serpentine, Nickeliferous limonite	8344034 Ton	The waste material is dumped in non-mineralized area approved by IBM with all environmental protection measures
2	Used /Waste oil	Hazardous Waste (HW-5.1)	Lead, Arsenic, Cadmium, Chromium, Nickel, PAHs etc.	40.003 KL	Collected and securely stored inside 200Ltr MS Barrels and stored above concrete flooring. Sold to M/s Swaraj Lubricants, authorized by SPCB.
3	Residual waste containing oil	Hazardous waste (HW-5.2)	Consists of oil contaminated cotton, Jute, soaked sand etc.	128,7kg (Cotton), 2139 nos (Oil Filter)	Collected and stored in MS Barrels above concrete flooring for large quantity disposal to authorized agency
4	ETP sludge	Hazardous Waste (HW-34.3)	Composition of Cr, Fe, Al, Si etc.	252.11 Ton	ETP sludge is being disposed through Ramky Enviro Engineers Limited Jajpur

**PART-G**

**[Impact of the pollution measures taken on conservation of natural resources and on the cost production]**

**a) Dust Suppression**

- Regular water spraying is being carried out on mine haul road, working site, waste dump yard, ore stack yard loading and unloading points by water tankers to reduce the dust levels.
- Regular water sprinkling on mineral transportation roads passing through the habitation area as well as other strategic point is being done regularly. The details of concrete road including provision of fixed water sprinkler is outlined

Particulars	Location	Length(m)	Width(m)
Concrete Road	Main Haulage road	1000	13
	COB Plant	100	10
	LOP Plant	200	6
	Workshop	200	6
Fixed water sprinkling system	Main Haulage road	1050	-
	COB Plant	100	-
	LOP Plant	200	-
	Workshop	100	-
	Mining Road	1500	11

- Wet drilling is a common practice during drilling operation to reduce air pollution.
- Pre- wetting of blasting site and controlled blasting is being practiced reducing dust generation.
- The mineral transportation is being carried out by trucks covered with tarpaulin and properly sealed.
- No trucks are overloaded at any point of time to avoid spillage of ore.
- Mist Canon has been placed at stackyard for dust suppression.

**b) Environment Management at associated mineral storage areas:**

- Plantation of 5-20 m width has also been raised in between colony and mines to minimize any air borne problems to the inhabitants. All parameter w.r.t ambient air quality is complying with the prescribed limit.
- Garland drains around the mines of 15,755m stretch have been constructed and is maintained regularly at the toe of dumps, periphery of the quarries, stack yard and camp area.

**c) Environment management: OB dump reclamation:**

- The maximum height of the overburden dumps from its toe to the top of the dump on sloping ground is being maintained as per mining plan.

- Each level of dump is provided with garland drain and water from upper level flow to next level via concrete patch path (channel) provided for same purpose at areas were feasible. The concrete patch path ensures less soil erosion and flow of water from designated path. Further, coir matting and vetiver plantation has been done on the dump slopes to prevent wash off during the monsoon.
- Garland drains with 10 nos. of settling pits for silt collection of 1.5 m-2m width and 1m-1.5m deep have been constructed on the toe of all the OB dumps to collect the surface run-off during rainy season. The collected run-off is treated in newly installed ETP of capacity 4500 m<sup>3</sup>/hr and is then discharged beyond the lease boundary.
- d) **Environment management: Solid Waste Management:**
  - The strategy for solid waste management basically focuses at Reduction and Source followed by proper segregation to explore the possibility of re-use /recycle and ultimately disposal in case becomes inevitable.
  - Each work place has been provided with containers for segregation of solid wastes depending on its characteristics for proper management and all the houses in the camp have been provided with two separate buckets for storage of degradable and non-degradable waste separately for safe disposal.
- e) **Water Conservation: Treatment & Recycling**
  - For the workshop effluents: An oil -Water Separation Pit equipped with belt skimmer is in place for trapping the oil and grease splits in the effluents generated from the vehicle washing.
  - The system of treatment for Mine Pit Water consists of an ETP of 4500 m<sup>3</sup>/hr (108MLD) having the facilities like, settling pit, flash mixture, clari-flocculator, automatic dosing system, dry sludge collection system, multi sand filters etc as per the Direction of State Pollution Control Board.
  - Rain-water harvesting study had been conducted and one roof top harvesting structure had been constructed inside General Office premises which will be also extended to other buildings.
- f) **Environmental monitoring:**
  - An amount of Rs. 55.65 Lakh (INR) was spent towards monitoring of various environmental parameters in FY 2023-24. This consists of air quality monitoring at a frequency of twice in a week with 24 hourly sampling and water quality monitoring once in a month for all the parameters as prescribed under various applicable statute
  - Weather monitoring is done through automatic weather monitoring station and compiled report on rainfall, humidity, temperature, wind speed, wind direction etc. Monitoring has been entrusted to one of the Odisha State Pollution Control Board empaneled category A consultant.
- g) **Prevention of Land Contamination**
  - The entire area of the HEMM maintenance workshop had been “Epoxy Flooring” for preventing any oil to reach the soil or ground and practices of using movable oil collection



tray with built in pneumatic oil pump during any kind of HEMM maintenance to reduce oil leakage incidents.

- Targets have been put at various concerned locations to reduce the leakage/ spillage of oil which are monitored in as per the laid down EMS procedure.
- Introduction of barrel handler for handling of oil barrels to reduce oil leakage and spillage.

**h) Afforestation:**

For the FY 2023-24, as per the approved mine plan we did the plantation at 2 Ha of Area.

**i) Noise Monitoring:**

- Noise monitoring is being done once in three months both in work zone and in ambient. The data on noise level for the period April'23 to March'24 indicate that the values of noise levels are well within the prescribed limits of 85dB(A) at all the workplaces.
- Due precautions at source and at the receiver end are being taken adequately. DG sets have also been provided with acoustic enclosures to prevent noise propagation.
- The operator's cabin of all the HEMM's including drills and dozers has been made air conditioned which serves as acoustic barriers. Controlled blasting technique like presplit blasting, use of Nonel and SME (Site Mixed Emulsion) is being followed as per CIMFR, Dhanbad's recommendation minimize noise pollution and fly rock generation. However, the people working in the noisy areas are provided with personal protective appliances to reduce exposure of high noise. Regular test of all the vehicles is being carried out to check whether the vehicles are meeting pollution under control (PUC) norms.

**j) Medical facilities and health monitoring**

- All the employees undergo periodical medical checkup like IME & PME.
- Mobile health checking is also being done regularly as part of occupational health surveillance program.
- One Dispensary center is created at Sukinda Mines for local community and employee of three mines.

**PART-H**

**[Additional measures/investment proposal for environmental protecting including abatement of pollution, preservation of pollution]**

The management of sukinda chromite mines plans to undertake the environmental protection measures aiming at specific areas with defined budgetary provisions earmarked towards the environmental protection measures every year. Funds earmarked for this purpose for the year 2023-24 is outlined in the table below.

<b>SL NO.</b>	<b>Expenditure</b>	<b>Amount (in Lakhs)</b>
1	ETP operation cost	
	a) Manpower	47.33

**Environmental Statement for the Financial Year Ending 31<sup>st</sup> March 2024**

	b) ETP Electricity cost	55.66
	c) Chemical & maintenance cost	289.06
	d) ETP sludge disposal	7.49
2	Water sprinkling cost for haul road management	132.36
3	EQMS Online Analysis	3.54
4	EQMS Online Data Transmission	1.24
5	Monitoring & Analysis cost of Air, Water & Noise	55.65
6	Plantation	8.59
7	Display board	0.7
8	Ground Water Level Measurement & Data Transmission	0.28
<b>Total</b>		<b>601.9</b>

**PART-I**

**Any other particular for improving the quality of the environment:**

The management of Tata Steel Mining is committed for prevention of the pollution inside and surrounding the lease hold area. Environmental monitoring is being done in core & buffer zones of the lease area to ascertain & to take preventive measure to keep the parameters within stipulated norms.

## Environmental Management

### COVERING OF LOADED TRUCK BY TARPAULIN



### Concrete Road



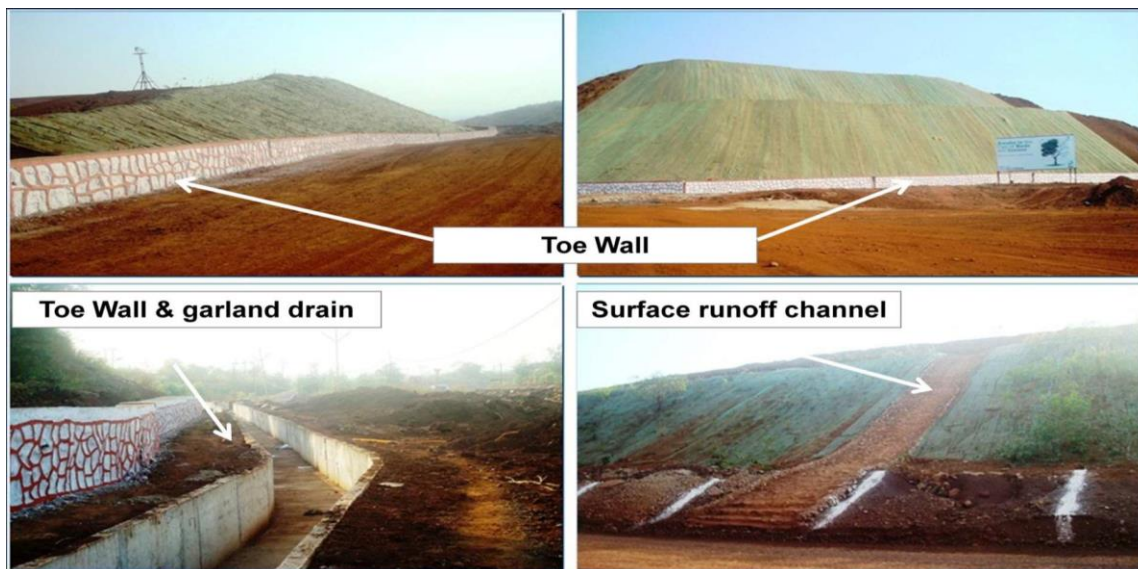
**HAUL ROAD DUST SUPPRESSION SYSTEM:**



**RAIN - WATER HARVESTING STRUCTURE:**



**Toe wall, Garland Drain and Surface Runoff Channel**



**EFFLUENT TREATMENT PLANT (4500m<sup>3</sup>/hr)**



**Oil-Water separation pit**



**Dump Plantation**





**FORM G-1**

[See rule 45(5)(c)(i)]

**For the financial Year 1<sup>st</sup> April, 2023 to 31<sup>st</sup> March, 2024****ANNUAL RETURN**

[To be used for minerals other than Copper, Gold, Lead, Pyrites, Tin, Tungsten, Zinc and precious and semi-precious stones]

To

- (i) The Regional Controller of Mines  
Indian Bureau of Mines  
Bhubaneswar Region,  
PIN:  
*(Please address to Regional Controller of Mines in whose territorial jurisdiction the mines falls as notified from time to time by the Controller General, Indian Bureau of Mines under rule 66 of the Mineral Conservation and Development Rules, 2017)*
- (ii) The State Government of Odisha

**PART - I (General)**

<b>1. Details of Mine:</b>	
(a) Registration number allotted by Indian Bureau of Mines <i>(to give registration number of the Lessee-Owner)</i>	IBM/4376/2011
(b) Mine Code (allotted by Indian Bureau of Mines)	11ORI19028
(c) Name of the Mineral	CHROMITE
(d) Name of Mine	SUKINDA CHROMITE MINE
(e) Name(s) of other mineral(s), if any, produced from the same mine	PYROXENITE
<b>2. Location of the Mine :</b>	
Village	SUKINDA
Post Office	KALARANGIATTA
Tahsil-Taluk	KALIAPANI
District	JAJAPUR
State	ODISHA
PIN Code	755028
Fax No. :	0000000000
Phone No. :	9238087107
E-mail:	minemanager.sukinda@tatasteel.com
Mobile:	9238087107



<b>3. Name and address of Lessee-Owner (along with fax no. and e-mail):</b>	
Name of Lessee-Owner	M/s. Tata Steel Limited
Address	Bombay House,24 Homi Modystreet Fort,, Mumbai
District	MUMBAI SUBURBAN
State	MAHARASHTRA
PIN Code	400001
Fax No. :	
Phone No. :	6742551045
E-mail:	minemanager.sukinda@tatasteel.com
Mobile:	9438887778
4. Registered Office of the Lessee:	Tata Steel Limited, Bombay House,24 Homi Modystreet Fort, Mumbai
5. Director in charge :	MR T V NARENDRAN, MANAGING DIRECTOR
6. Agent :	DEVRAJ TIWARI
7. Manager :	NIHRA RANJAN MITRA
8. Mining Engineer in charge:	NIHAR RANJAN MITRA
9. Geologist in charge :	VIRAJ A. VERLEKAR
10. Transferor (previous owner), if any, and date of transfer:	TATA STEEL LIMITED 23/07/2020

### Uploaded Document

Upload PMCP Table in Excel: [PMCP\\_Table\\_of\\_Sukinda\\_Chromite\\_Mine.xlsx](#)

Upload UAV Survey (KML/KMZ File) : [Planning\\_AnnualReturns.kmz](#)

### 11. Particulars of area operated-Lease

(Furnish information on items (i) to (vi) lease-wise in case mine workings cover more than one lease)

<b>Lease - 1</b>	
(i) Lease number allotted by the State Government	61304569303
(ii) Area under lease (hectares):	
Under Forest	404.669 hectares
Outside Forest	1.331 hectares
Total	406.000 hectares
(iii) Date of execution of mining lease deed	23/07/2020
(iv) Period of lease	50
(v) Area for which surface rights are held (hectares)	
Under Forest	404.669 hectares
Outside Forest	1.331 hectares
Total	406.000 hectares

(vi) Date and period of renewal (if applicable)	0		
(vii) In case there is more than one mine in the same lease area, indicate name of mine and mineral produced	Mine Name	Mine Code	Mineral Name
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<b>12. Lease area (surface area) utilisation as at the end of year (hectares):</b>	Under forest	Outside forest	Total
(i) Already exploited and abandoned by opencast (O-C) mining	0.000	0.000	0.000
(ii) Covered under current (O-C) Workings	155.105	0.210	155.315
(iii) Reclaimed-rehabilitated	12.700	0.000	12.700
(iv) Used for waste disposal	98.998	0.260	99.258
(v) Occupied by plant, buildings, residential, welfare buildings and roads	76.423	0.460	76.883
(vi) Used for any other purpose (specify) Green Belt, Nala, Safety zone, etc.	61.711	0.133	61.844
(vii) Work done under progressive mine closure plan during the year	2.020	0.000	2.020
13. Ownership-exploiting Agency of the mine: (Public Sector-Private Sector-Joint Sector)	Private Sector		

## PART-II (Employment and Wages)

1. Number of supervisory staff employed at the mine			
Description	Wholly employed	Partly employed	
(i) Graduate Mining Engineer	12	0	
(ii) Diploma Mining Engineer	15	0	
(iii) Geologist	1	0	
(iv) Surveyor	1	0	
(v) Other administrative and technical supervisory staff	47	0	
Total:	76	0	
2. (i) Number of days the mine worked: 309			
(ii) No. of shifts per day: 3			
(iii) Indicate reasons for work stoppage in the mine during the year (due to strike, lockout, heavy rain, non-availability of labour, transport bottleneck, lack of demand, uneconomic operations, etc.) and the number of days of work stoppage for each of the factors separately .	Reasons		No. of days
	Weekly off		52
	Holidays		5

### 3. Employment and salary-wages paid #:

Maximum number of persons employed on any one day during the year:								
(i) In workings below ground on (date)			(a) ( number) 0					
(ii) In all in the mine on (date)			(a) ( number) 0					
Classification	Total number of man days worked during the year			No. of days worked during the year	Average daily number of persons employed			Total Wages - Salary for the year (₹)
	Direct	Contract	Total		Male	Female	Total	
(1)	2(A)	2(B)	2(C)	(3)	4(A)	4(B)	4(C)	(5)
Below Ground	0	0	0	0	0	0	0	0.00
Opencast	22737	272229	294966	309	951.8	2.8	954.6	234013335.00
Above Ground	4197	125094	129291	309	388.8	29.6	418.4	174520847.00
Total:	26934.0	397323.0	424257.0	309.000	1340.6	32.4	1373.0	408534182.00

# To include all employees exclusive to the mine and attached factory, workshop or mineral dressing plant at the mine site

## PART-II A (Capital Structure)

### 1. Value of Fixed Assets\* (₹ 285407495)

(in respect of the mine, beneficiation plant, mine work-shop, power and water installation)

In case this information is furnished as combined information in another mine's return please specify Mine Code-Mine Name:

Mine Name	Mine Code	Mineral Name
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Description	At the beginning of the year (₹)	Additions during the Year (₹)	Sold or discarded during the year (₹)	Depreciation during the year (₹)	Net closing Balance (₹) (2+3)-(4+5)	Estimated market value** (₹)
1	2	3	4	5	6	7
(i) Land***	0	0	0	0		0
<b>(ii) Building:</b>						
Industrial	30418920	0	284455	1454156	28680309	0
Residential	12739481	0	0	30916	12708565	0
(iii) Plant and Machinery including transport equipment	337436741	0	76518467	25767370	235150904	0
(iv) Capitalised Expenditure such as pre-production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Income Tax Act)	1568843361	0	1523491673	36483971	8867717	0
<b>Total:</b>	<b>1949438503</b>	<b>0</b>	<b>1600294595</b>	<b>63736413</b>	<b>285407495</b>	<b>0</b>

\* In case the fixed assets are common to more than one mine, furnish combined information for all such mines together in any one of the mine's return. In the returns for other mines, give only a cross reference to the particular mine's return where-in the information is included.

\*\* Optional and may be furnished in respect of items (i), (ii) and (iii) if the mine owner desires.

\*\*\* Including any non-recurring expenditure incurred on the acquisition of land.

### 2. Source of Finance ( at the end of the year ) :

(i) Paid up Share Capital (₹)	0	
(ii) Own Capital (₹)	0	
(iii) Reserve and Surplus (All Types)(₹)	0	
(iv) Long Term loans outstanding (#)(₹)	0	
<b>0</b>	<b>0</b>	<b>0</b>
<b>Name of the Institution-Source</b>	<b>Amount of Loan (₹)</b>	<b>Rate of Interest</b>
0	0	0

(#) Indicate the names of the lending institutions such as State Finance Corporation, Industrial Development and other Public Corporations, Co-operative Banks, Nationalised Banks and other sources along with the amount of loan from each source and the rate of interest at which loan has been taken.

### 3. Interest and Rent (₹)

(i) Interest paid during the year	0
(ii) Rents (excluding surface rent) paid during the year	0

### PART-III (Consumption of Materials)

<b>1. Quantity and cost of material consumed during the year</b>			
Description	Unit	Quantity	Value (₹)
<b>(i) Fuel</b>			
(a) Coal	Tonnes	0	0
(b) Diesel Oil	Ltrs.	5029526	446098838
(c) Petrol	Ltrs.	0	0
(d) Kerosene	Ltrs.	0	0
(e) Gas	Cu.M	0	0
<b>(ii) Lubricant</b>			
(a) Lubricant oil	Ltrs.	87246	25664452
(b) Grease	Kgs.	9129	2304502
<b>(iii) Electricity</b>			
(a) Consumed	Kwh	6303708	44658811
(b) Generated	Kwh	0	0
(c) Sold	Kwh	0	0
<b>(iv) Explosives (furnish full details in Part IV)</b>			49390934
<b>(v) Tyres</b>	Nos.	675	33874293
<b>(vi) Timber and Supports</b>			0
<b>(vii) Drill rods and kits</b>	Nos.	0	0
<b>(viii) Other spares and stores</b>			183395543

<b>2. Royalty, Rents and Payments made to DMF and NMET (₹):</b>		
	Paid for current year	Paid towards past arrears
(a) Royalty	1844872587	0
(b) Dead rent	0	0
(c) Surface rent	6094469	0
(d) Payment made to DMF	184487206	0
(e) Payment made to NMET	36897391	0
<b>3. Compensation paid for felling trees during the year (₹)</b>		0
<b>4. Depreciation on fixed assets (₹)</b>		63736413

5. Taxes and cesses		
	Amount in Rupees paid during the year to:	
	Central Govt.	State Govt.
(i) Sales Tax	685902955	145654896
(ii) Welfare cess	0	0
(iii) Other taxes and cesses:-		
(a) Mineral cess	0	0
(b) Cess on dead rent	0	0
(c) Others (please specify) Electricity Duty, User & App. fees, Vehicle tax, wgtmntCharges, surfacerent,chemicalanalysis fees	0	11482327
6. Other expenses (₹):		
(i) Overheads		92370346
(ii) Maintenance		0
(iii) Money value of other benefits paid to workmen		0
(iv) Payment made to professional agencies		0

## PART-IV (Consumption of Explosives)

Licensed capacity of magazine: (specify unit separately in kg-tonne, numbers, metres )		Item		Unit	Capacity
		Explosives		Kg.	19500
		Detonators		No.s	44000
		Fuses		Mts	5500
Classification of Explosives	Unit	Quantity consumed during the year		Estimated requirement during the next year	
		Small dia. (upto 32 mm)	Large dia. (above 32 mm)	Small dia. (upto 32 mm)	Large dia. (above 32 mm)
1. Gun Powder	Kg.	0		0	
2. Nitrate Mixture					
a. Loose ammonium nitrate	Kg.	0	0	0	0
b. Ammonium nitrate in cartridged form	Kg.	0	0	0	0
3. Nitro compound	Kg.	0	0	0	0
4. Liquid Oxygen soaked cartridges	Kg.	0	0	0	0
5. Slurry explosives (Mention different trade names) NA	Kg.	0	41200	0	42215
6. Detonators					
i) Ordinary	No.s	23940		25347	
ii) Electrical					
(a) Ordinary	No.s	503		1008	
(b) Delay	No.s	0		0	
7. Fuse					
(a) Safety Fuse	Mts	0		0	
(b) Detonating Fuse	Mts	0		0	
8. Plastic ignition cord	Mts	0		0	
9. Others (specify) NA	Kg	583649		807542	

Different sizes of soaked liquid oxygen cartridges to be reported in equivalent kg. as per manufacturer's instruction.

## PART-V (General Geology & Mining)

(Items 2 and 3 to be submitted separately for each mineral)

### 1. Exploration

1(i) Exploration activities during the year:

		At the beginning of the year	During the year	Cumulative	Grid spacing-Dimension
Drilling	No of holes	0	0	0	0
	Metrage	0	0	0	00
Pitting	No of pits	0	0	0	0
	Excavation (in m <sup>3</sup> )	0	0	0	00
Trenching	No of trenches	0	0	0	0
	Excavation (in m <sup>3</sup> )	0	0	0	0
	Length covered (in metre)	0	0	0	0
Expenditure on exploration (₹)		0	0	0	0

1(ii). Any other exploration activity during the year: NA

### 2. Reserves and Resources estimated (in tonnes) (CHROMITE).

Classification	Code	At the beginning of the year 1.4.2023 as per latest approved mining plan- scheme	Assessed during the year	Depletion of reserves during the year	Balance resources as on 31.3.2024
(1)	(2)	(3)	(4)	(5)	(6)= (3+4-5)
<b>A. Mineral Reserve</b>					
1. Proved Mineral Reserve	111	3198033	0	597963	2600070
2. Probable mineral Reserve	121	0	0	0	0
	122	0	0	0	0
3. Total Reserves		3,198,033.00	0.00	597,963.00	2,600,070.00
<b>B. Remaining Resources</b>					
1. Feasibility mineral Resource	211	0	0	0	0
2. Prefeasibility mineral resource	221	3729354	0	0	3729354
	222	23208188	0	0	23208188
3. Measured mineral resource	331	1307446.8	0	0	1307446.8
4. Indicated mineral resource	332	23106498.8	0	0	23106498.8
5. Inferred mineral resource	333	35139985	0	0	35139985
6. Reconnaissance mineral resource	334	0	0	0	0
7. Total remaining Resources		86,491,472.60	0.00	0.00	86,491,472.60
<b>Total (A+B)</b>		89,689,505.60	0.00	597,963.00	89,091,542.60



## 2. Reserves and Resources estimated (in tonnes) (PYROXENITE).

Classification	Code	At the beginning of the year 1.4.2023 as per latest approved mining plan- scheme	Assessed during the year	Depletion of reserves during the year	Balance resources as on 31.3.2024
(1)	(2)	(3)	(4)	(5)	(6)= (3+4-5)
<b>A. Mineral Reserve</b>					
1. Proved Mineral Reserve	111	0	0	0	0
2. Probable mineral Reserve	121	0	0	0	0
	122	0	0	0	0
3. Total Reserves		0.00	0.00	0.00	0.00
<b>B. Remaining Resources</b>					
1. Feasibility mineral Resource	211	0	0	0	0
2. Prefeasibility mineral resource	221	00	0	0	0
	222	0	0	0	0
3. Measured mineral resource	331	0	0	0	0
4. Indicated mineral resource	332	0	0	0	0
5. Inferred mineral resource	333	0	0	0	0
6. Reconnaissance mineral resource	334	0	0	0	0
7. Total remaining Resources		0.00	0.00	0.00	0.00
<b>Total (A+B)</b>		0.00	0.00	0.00	0.00

## 3. Subgrade-Mineral Reject (in tonnes) (CHROMITE)

(Information to be given in respect of mineral fractions generated and stacked- dumped below cut-off grade and above threshold value, if prescribed, having no immediate sale value)

Generation of subgrade-mineral reject (in tones)	At the beginning of the year	Generated during the year	Disposed during the year	Total stacked at the end of the year	Average grade of the mineral reject generated
from unprocessed ore	0	0	0	00	00
from processed ore	0	0	0	0	00

## 3. Subgrade-Mineral Reject (in tonnes) (PYROXENITE)

(Information to be given in respect of mineral fractions generated and stacked- dumped below cut-off grade and above threshold value, if prescribed, having no immediate sale value)

Generation of subgrade-mineral reject (in tones)	At the beginning of the year	Generated during the year	Disposed during the year	Total stacked at the end of the year	Average grade of the mineral reject generated
from unprocessed ore	0	0	0	0	0
from processed ore	0	0	0	0	0

#### 4. Overburden and Waste (in m<sup>3</sup>)

(Information to be given in respect of overburden- waste and mineral fractions generated below threshold value, if prescribed)

At the beginning of the year	Generated during the year	Disposed in dumps during the year	Backfilled during the year	Total at the end of the year
90600073	3627841	0	3627841	94227914

#### 5. Trees planted- survival rate

Description	Within lease area	Outside lease area
i) Number of trees planted during the year	5030	0
ii) Survival rate in percentage	85	0
iii) Total no. of trees at the end of the year	15056	0

**6. Type of Machinery:** Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc.

Type of machinery	Capacity of each type of machinery	Unit (in which capacity is reported)	No. of machinery	Electrical Non-electrical (specify)	Used in opencast underground (specify)
DUMPER	50.000	TONNE	5	Non Electrical	Opencast
DUMPER	40.000	TONNE	13	Non Electrical	Opencast
SHOVEL (HYDRAULIC)	4.260	CUM	1	Non Electrical	Opencast
SHOVEL (HYDRAULIC)	2.450	CUM	5	Non Electrical	Opencast
SHOVEL (HYDRAULIC)	1.800	CUM	1	Non Electrical	Opencast
SHOVEL (HYDRAULIC)	1.220	CUM	1	Non Electrical	Opencast
TIPPER	19.500	CUM	19	Non Electrical	Opencast
TIPPER	18.000	CUM	5	Non Electrical	Opencast
TIPPER	14.000	CUM	1	Non Electrical	Opencast
DOZER	236.000	HP	1	Non Electrical	Opencast
DOZER	360.000	HP	2	Non Electrical	Opencast
CRANE	30.000	TONNE	1	Non Electrical	Opencast
BLAST HOST DRILL	152.000	MM	2	Non Electrical	Opencast
BACK HOE	1.100	CUM	2	Non Electrical	Opencast
MOTOR GRADER	150.000	HP	1	Non Electrical	Opencast
WHEEL LOADER	3.500	CUM	1	Non Electrical	Opencast
WHEEL LOADER	1.700	CUM	2	Non Electrical	Opencast
WHEEL LOADER	3.050	CUM	1	Non Electrical	Opencast
AIR COMPRESSOR	8.800	CUM/MN	2	Electrical	Opencast
AIR COMPRESSOR	2.200	CUM/MN	2	Electrical	Opencast
JEEP/TRACTOR	62.950	HP	22	Non Electrical	Opencast
JEEP/TRACTOR	68.000	HP	8	Non Electrical	Opencast
JEEP/TRACTOR	140.000	HP	2	Non Electrical	Opencast
OTHER HEM MACHINERY	8.970		19	Non Electrical	Opencast
GENERATOR (DIESEL)	800.000	KWH	4	Non Electrical	Opencast
WATER TANKER	18000.000	LITRE	4	Non Electrical	Opencast
PUMPS (ELEC.)	2500.000	L/MN	3	Electrical	Opencast
PUMPS (ELEC.)	3333.000	L/MN	3	Electrical	Opencast
PUMPS (ELEC.)	2850.000	L/MN	2	Electrical	Opencast
PUMPS (ELEC.)	2916.000	L/MN	2	Electrical	Opencast
PUMPS (ELEC.)	10000.000	L/MN	2	Electrical	Opencast

**7(i) Details of mineral Treatment Plant, if any:** Give a brief description of the process capacity of the machinery deployed and its availability. (Submit Flow Sheet and Material Balance of the Plant separately).

NILL

**(ii) Furnish following information:**

Item		Tonnage	Average Grade
Feed:		0.000	0.000
Concentrates-processed products :	(mention name)	0.000	0.000
By-products-Co-products:	(mention name)	0.000	0.000
Tailings:		0.000	0.000

**7(i) Details of mineral Treatment Plant, if any:** Give a brief description of the process capacity of the machinery deployed and its availability. (Submit Flow Sheet and Material Balance of the Plant separately).

NILL

**(ii) Furnish following information:**

Item		Tonnage	Average Grade
Feed:		0.000	0.000
Concentrates-processed products :	(mention name)	0.000	0.000
By-products-Co-products:	(mention name)	0.000	0.000
Tailings:		0.000	0.000

Accepted

## PART-VI (PRODUCTION, DESPATCHES AND STOCKS) (CHROMITE)

(To be submitted separately for each mineral)

(Unit of Quantity in Tonnes)

### 1. Type of ore produced:

(Applicable for Iron ore only; tick mark whichever is applicable)

### 2. Production and Stocks of ROM ore at Mine-head

Category	Opening stock	Production	Closing stock
(a) Open Cast workings	0.000	597963.078	0.000
(b) Underground Workings	0.000	0.000	0.000
(c) Dump workings	0.000	0.000	0.000

### 3(i) Grade-wise ROM ore despatches from mine head (\$):

Grade of ROM	Despatches from mine-head	Ex-mine Price (₹)
(a) Below 40% Cr2O3 ROM	0.000	0.00
(b) 40% to below 52 % Cr2O3 ROM	0.000	0.00
(c) 52% and above Cr2O3 ROM	0.000	0.00

(\$): Applicable for iron ore and chromite only. For other minerals data of despatches to be reported in 3(ii)

### 3(ii) Grade-wise Production, Dispatches, Stocks and Ex-mine prices:

Grades**	Opening stock at mine-head	Production	Despatches from mine-head	Closing stock at mine-head	Ex-mine price (₹-Tonne)
<b>(i) Lumps</b>					
(a) Below 40% Cr2O3	0.000	0.000	0.000	0.000	0.00
(b) 40% to below 52 % Cr2O3	0.000	0.000	0.000	0.000	0.00
(c) 52% and above Cr2O3	0.000	0.000	0.000	0.000	0.00
<b>(ii) Fines</b>					
(a) Below 40% Cr2O3	311321.475	254382.078	257590.660	308112.893	7828.16
(b) 40% to below 52 % Cr2O3	98351.483	179680.316	261472.010	16559.789	19295.66
(c) 52% and above Cr2O3	82109.432	163900.684	233045.400	12964.716	22516.67
(a) CONCENTRATES	0.000	0.000	0.000	0.000	0.00

### 3(iii) In case the mineral is being pulverized in own factory, please give the following particulars (\*):

Grade**	Total quantity of mineral Pulverized (in tonnes)	Total quantity of pulverized mineral produced (for each mesh size)		Total Quantity of pulverized mineral sold during the month		
		Mesh size	Quantity (tonne)	Mesh size	Quantity (tonne)	Ex-factory Sale value (₹)

**3(iv) Average cost of pulverization (\*) : ₹ per tonne**

(\*): Not applicable for Iron ore, Manganese ore, Bauxite and Chromite

**4. Details of deductions made from sale value for computation of Ex-mine price (₹- Tonne)**

Deduction claimed #	Amount ( in ₹- Tonne)	Remarks
(a) Cost of transportation (indicate loading station and distance from mine in remarks)	0.00	NA
(b) Loading and unloading charges	0.00	NA
(c) Railway freight, if applicable (indicate destination and distance)	0.00	NA
(d) Port Handling charges- export duty (indicate name of port)	0.00	NA
(e) Charges for sampling and analysis	0.00	NA
(f) Rent for the plot at Stocking yard	0.00	NA
(g) Other charges (specify clearly)	0.00	NA
Total (a) to (g)	0.00	

# Not applicable for captive dispatches and ex-mine sales

**5. Sales- Despatches effected for Domestic Purposes and for Exports:**

Grade	Nature of Despatch (indicate whether Domestic Sale or Domestic Transfer or Captive consumption or Export)	For Domestic Purposes				For export		
		Registration number as allotted by the Indian Bureau of Mines to the buyer ##	Consignee name ##	Quantity	Sale value (₹)	Country	Quantity	F.O.B Value (₹)
Below 40% Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5157/2011	ROHIT FERRO TECH LIMITED	5917.950	48259341.33			
Below 40% Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5765/2011	Tata Steel Mining Limited	41301.790	336805343.27			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/1129/2011	Jindal Stainless Limited	36029.350	246643113.33			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/19350/2015	Prime Industries	4444.790	29927716.78			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/20901/2011	JINDAL STAINLESS (HISAR) LIMITED	7997.860	55318470.05			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/21253/2017	PJ MINERALS INTERNATIONAL PVT LTD	3466.910	23844316.44			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/21555/2017	CHROME SAGAR	992.280	6846197.63			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/22792/2019	A3 MINERALS AND METAL EXPORT PRIVATE LIMITED	995.940	6005199.48			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/318/2011	METSIL EXPORTS PRIVATE LIMITED	7744.330	56786001.06			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/4178/2011	ANAND EXPORTS	13297.950	160576697.54			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/44290/2021	PRABAL	2494.410	16343369.45			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/5583/2011	K L RESOURCES PVT. LTD.	7112.140	61126487.16			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/6143/2011	B. C. MOHANTY & SONS PRIVATE LIMITED	999.190	10504354.58			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/6211/2011	Shree Monolithics Private Limited	994.610	6240491.51			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/93/2011	ORISSA CHROME EXPORT & MINING COMPANY LIMITED	8393.740	62587801.06			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/4376/2011	Tata Steel Limited	64851.860	500853078.49			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/527/2011	FACOR ALLOYS LTD	9137.090	55564510.70			

Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5307/2011	AARTI STEELS LIMITED	22615.080	180214849.43			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	18803.390	152014664.85			
40% to below 52 % Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5157/2011	ROHIT FERRO TECH LIMITED	13899.740	274546348.56			
40% to below 52 % Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5765/2011	Tata Steel Mining Limited	52918.940	1045249892.91			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/1129/2011	Jindal Stainless Limited	5617.620	81701129.28			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/19350/2015	Prime Industries	998.580	14668196.15			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/20901/2011	JINDAL STAINLESS (HISAR) LIMITED	5693.010	90969202.01			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/367/2011	Visa Steel Limited	6963.470	104150008.82			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/4197/2011	Misrilal Mines Pvt. Ltd.	995.360	19123662.58			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/4301/2011	S.A.L. STEEL LIMITED	2989.270	68440004.03			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/4563/2011	RAJU	1086.090	17589596.72			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/527/2011	FACOR ALLOYS LTD	1994.150	35032096.30			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	1999.990	47466522.66			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	999.980	21977750.45			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/6137/2011	BRG Iron & Steel Co. Private Limited	2540.570	55016072.58			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/62/2011	BALASORE ALLOYS LIMITED	5384.980	107463711.94			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/6433/2011	SONIC THERMAL Private LIMITED	2173.980	52710906.83			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/765/2011	RASHMI CEMENT LIMITED	3879.380	95256711.92			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/4376/2011	Tata Steel Limited	79655.040	1511372069.33			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/527/2011	FACOR ALLOYS LTD	11211.590	181570332.13			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5307/2011	AARTI STEELS LIMITED	31830.780	619797053.32			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	28639.490	601174476.74			
52% and above Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/240/2011	Shyam Metalics & Energy Limited	1487.600	30277122.80			
52% and above	CAPTIVE C	IBM/5157/2	ROHIT FERRO	118.100	2655593.15			



Cr2O3,Fines	ONSUMPTION	011	TECH LIMITED					
52% and above Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5765/2011	Tata Steel Mining Limited	50733.930	1140801666.36			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/1129/2011	Jindal Stainless Limited	4953.190	96187600.97			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/19350/2015	Prime Industries	795.810	16793373.63			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/20901/2011	JINDAL STAINLESS (HISAR) LIMITED	1026.020	19758442.84			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/318/2011	METSIL EXPORTS PRIVATE LIMITED	9963.550	213473291.00			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/4197/2011	Misrilal Mines Pvt. Ltd.	2496.240	71118077.32			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/4301/2011	S.A.L. STEEL LIMITED	915.830	25903185.72			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/527/2011	FACOR ALLOYS LTD	999.460	19899008.74			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	14254.830	350409437.45			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	1992.050	42831266.29			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/62/2011	BALASORE ALLOYS LIMITED	13912.800	293243657.95			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/240/2011	Shyam Metalics & Energy Limited	1492.040	32815927.76			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/4376/2011	Tata Steel Limited	65502.280	1464769852.33			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/527/2011	FACOR ALLOYS LTD	12866.860	271027089.62			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5307/2011	AARTI STEELS LIMITED	27767.880	638081062.76			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	21766.930	517360133.83			

## To indicate separately if more than one buyer.

NOTE:- Mine owners are required to substantiate domestic sale value- FOB value for each grade of ore quoted above with copy of invoices (not to be submitted with the return; to be produced whenever required)

**6. Give reasons for increase-decrease in production-nil production, if any, during the year compared to the previous year.**

a) PRODUCTION AS PER BUSINESS PLANT WITHIN EC & MINING PLAN LIMIT. THE SUBGRADE QUANTITY 1988.65 MT HAS BEEN DESPATCHED IN THE MONTH OF APRIL 2023.

**7. Give reasons for increase-decrease in grade wise ex-mine price, if any, during the year compared to the previous year.**

a) THE MARKET PRICE OF BELOW 40% CR2O3 FINS, 40% TO BELOW 52% CR2O3 FINES, AND ABOVE 52% CR2O3 FINES IS HIGHER THAN PREVIOUS YEAR SO THE EX-MINES PRICE OF THE SAME GRADES IS INCREASED.

## PART-VI (PRODUCTION, DESPATCHES AND STOCKS) (PYROXENITE)

(To be submitted separately for each mineral)

(Unit of Quantity in Tonnes)

### 1. Type of ore produced:

(Applicable for Iron ore only; tick mark whichever is applicable)

### 2. Production and Stocks of ROM ore at Mine-head

Category	Opening stock	Production	Closing stock
(a) Open Cast workings	0.000	0.000	0.000
(b) Underground Workings	0.000	0.000	0.000
(c) Dump workings	0.000	0.000	0.000

### 3(i) Grade-wise ROM ore despatches from mine head (\$):

Grade of ROM	Despatches from mine-head	Ex-mine Price (₹)

(\$): Applicable for iron ore and chromite only. For other minerals data of dispatches to be reported in 3(ii)

### 3(ii) Grade-wise Production, Dispatches, Stocks and Ex-mine prices:

Grades**	Opening stock at mine-head	Production	Despatches from mine-head	Closing stock at mine-head	Ex-mine price (₹-Tonne)
(a) PYROXENITE	0.000	0.000	0.000	0.000	0.00

### 3(iii) In case the mineral is being pulverized in own factory, please give the following particulars (\*):

Grade**	Total quantity of mineral Pulverized (in tonnes)	Total quantity of pulverized mineral produced (for each mesh size)		Total Quantity of pulverized mineral sold during the month		
		Mesh size	Quantity (tonne)	Mesh size	Quantity (tonne)	Ex-factory Sale value (₹)
	0.000		0.000		0.000	0.00

### 3(iv) Average cost of pulverization (\*) : ₹ 0.00 per tonne

(\*): Not applicable for Iron ore, Manganese ore, Bauxite and Chromite

### 4. Details of deductions made from sale value for computation of Ex-mine price (₹- Tonne)

Deduction claimed #	Amount ( in ₹- Tonne)	Remarks
(a) Cost of transportation (indicate loading station and distance from mine in remarks)	0.00	NA
(b) Loading and unloading charges	0.00	NA
(c) Railway freight, if applicable (indicate destination and distance)	0.00	NA
(d) Port Handling charges- export duty (indicate name of port)	0.00	NA
(e) Charges for sampling and analysis	0.00	NA
(f) Rent for the plot at Stocking yard	0.00	NA
(g) Other charges (specify clearly)	0.00	NA
Total (a) to (g)	0.00	

# Not applicable for captive dispatches and ex-mine sales

#### 5. Sales- Despatches effected for Domestic Purposes and for Exports:

Grade	Nature of Despatch (indicate whether Domestic Sale or Domestic Transfer or Captive consumption or Export)	For Domestic Purposes				For export		
		Registration number as allotted by the Indian Bureau of Mines to the buyer ##	Consignee name ##	Quantity	Sale value (₹)	Country	Quantity	F.O.B Value (₹)
NIL	NIL	0	NIL	0.000	0.00		0.000	0.00

## To indicate separately if more than one buyer.

NOTE:- Mine owners are required to substantiate domestic sale value- FOB value for each grade of ore quoted above with copy of invoices (not to be submitted with the return; to be produced whenever required)

#### 6. Give reasons for increase-decrease in production-nil production, if any, during the year compared to the previous year.

a) NA

#### 7. Give reasons for increase-decrease in grade wise ex-mine price, if any, during the year compared to the previous year.

a) NA

## PART-VII: COST OF PRODUCTION

### Cost of production per tonne of ore-mineral produced

Sl. No.	Item	Cost per tonne (₹)
(i)	Direct Cost	1966.44
	(a) Exploration	0.00
	(b) Mining	1966.44
	(c) Beneficiation(Mechanical Only)	0.00
(ii)	Over-head cost	154.47
(iii)	Depreciation	106.59
(iv)	Interest	0.00
(v)	Royalty	2718.00
(vi)	Payments made to DMF	271.80
(vii)	Payments made to NMET	54.36
(viii)	Taxes	0.00
(ix)	Dead Rent	0.00
(x)	Others (specify) Applicable Amount	16987.47
	Total	22259.13

Note: Information given under Part VII will be kept confidential. The Government, however, will be free to utilize the information for general studies without revealing the identity of the firm.

Mineral Name	Production proposal for financial year 2023 - 2024	Production reported during the financial year 2023 - 2024	Difference
CHROMITE	600254	597963.078	2291
PYROXENITE	0	0	0

I Certify that the information furnished above is correct and complete in all respects.

Place:  
Dist: JAJAPUR, ODISHA  
Pin: 755028  
Date: 28-06-2024

Signature

Name in full:  
Designation:  
Owner-Agent-Mining Engineer-Manager

**From: 10.152.42.174 at 2024-09-18 13:17:19**

Approved by: S.V.S.R.  
Date: 18/09/2024 01:17:21 PM