



TSL/FAMD/SCM/FY26/3098  
Date: 25-09-2025

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

**Subject:** Submission of Environmental statement in FORM-V for the year ending 31st March 2025 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 31st March 2025. 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

Enclosures: As above (Annexure-I)

Copy to: 1. Regional Officer, SPCB, Odisha, At-Dadagiri, Po- F.C Project, Jajpur Road, Dist - Jajpur - 755020

**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 - 2024 – 25)**

**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, 2025****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>	0.6 MTPA (Chromite Ore)
<b>Year of establishment.</b>	<b>:</b>	2020
<b>Date of the last Environmental Statement submitted.</b>	<b>:</b>	26.09.2024

**PART-B****Water and Raw Material Consumption****A. Water Consumption for FY 2024-25 (April 2024 to March 2025)**

<b>Process</b>	<b>Cooling</b>	<b>Domestic</b>
472 m3/day	7.17 m3/day	1619.3 m3/day

**B. Specific Water Consumption – (April'2024 to March 2025)****(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)	296218.945	.58 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 (2023-24)	During the current financial year (2024-25)
Diesel	Chrome Ore (ROM)	8.411098 Ltrs/Ton	0.058 Ltrs/Ton
Gas (LPG)		Nil	Nil
Lubricant oil		0.145905 Ltrs/Ton	0.00062 Ltrs/Ton
Grease		0.015267 Kg/Ton	Nil
Electricity		10.54197 KWH/Ton	14.42 KWH/Ton
Explosives		0.068901 Kg/Ton	0.057 Kg/Ton

**PART-C****{POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT}**

(Parameters as specified in the consent issued)

**1) Water Pollution**

1. 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.
2. Water consumed for industrial cooling (AC Cooling): 100% Recycled.
3. Water Consumed for Vehicle Washing: 100% Recycled at Oil-Water Separation Pit.
4. 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
1.	Suspended Solids	mg/ltr	1.5	100	-98.5	4.53	Within the prescribed Limit
2.	Oil & Grease	mg/ltr	3.05	10	-69.5	9.2	Not Detected in any of the samples.



3.	BOD (3) days at 270c	mg/ltr	ND	30	-100	NA	Below detection limit.
4.	COD	mg/ltr	ND	250	-100	NA	Below detection limit
5.	Hexavalent Chromium as Cr +6	mg/ltr	BDL	0.1	-100	NA	Below detection limit
6.	Total Chromium	mg/ltr	BDL	2.0	-99	NA	Detected only in few Samples
7.	Nickel as Ni	mg/ltr	BDL	3	-100	NA	Below detection limit
8.	Iron as Fe	mg/ltr	0.25	3	-91.66	0.81	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 (2023-24)	During the current financial year (2024-25)
<b>(a) From process</b>		
Used/Waste Oil	25.88 Ton	3.63 Ton
Residual waste containing oil	0.235 Ton	0.03825 Ton
Discarded Containers/Barrels/Liners contaminated with Hazardous Wastes/Chemicals	Nil	4.5 Ton
ETP Sludge	250.19 Ton	37.6 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 (2024-25)
(a)	From process (Overburden)	1983924.8 Ton
(b)	From pollution control facility	Nil
(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

Sl. No.	Waste Description	Nature of Waste	Composition/ Characteristics	Quantity (2024-25)	Management (Methods of collection and Disposal)
1	Overburden Material	Non-Hazardous (Solid waste)	Quartzite, Laterites, Lateritic soil, Talc schist and serpentine, Nickeliferous limonite	1983924.8 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.	3.63 Ton	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.	0.03825 Ton	Collected and stored in MS Barrels above concrete flooring for large quantity disposal to authorized agency
4	Discarded Containers/Barrel	Hazardous waste (HW-35.3)	Consist of oil contaminated barrels	4.5 Ton	Collected and stored above concrete flooring for large quantity disposal to authorized agency

	s/Liners contaminated with Hazardous Wastes/ Chemicals				
4	ETP sludge	Hazardous Waste (HW-34.3)	Composition of Cr, Fe, Al, Si etc.	37.6 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 was 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 was being done regularly.
- Wet drilling was a common practice during drilling operation to reduce air pollution.
- Pre- wetting of blasting site and controlled blasting was being practiced reducing dust generation.
- The mineral transportation was 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.
- Currently mining operation has stopped. The Final Mine Closure Plan completion has been certified by Indian Bureau of Mines and we are in process of surrendering the mine lease to Government of Odisha.

##### b) Environment management: Solid Waste Management:

- Overburden/waste rock was being dumped in the earmarked dump area approved by IBM with suitable terracing. The terraces are stabilized and rehabilitated by massive plantation.
- Retaining walls have been constructed at the toe of various OB dumps to arrest the flow solid. material. Garland drains are constructed in and around the OB dumps for drainage of surface run-off.

- Settling pits and check dams inside the garland drain have been constructed to arrest the slit/ soil particles in the water. Yearly twice, the settling pits and garland drains have been desilted.
- Currently mining operation has stopped. The Final Mine Closure Plan completion has been certified by Indian Bureau of Mines and we are in process of surrendering the mine lease to Government of Odisha.

**c) 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.

**d) Environmental monitoring:**

- Regular monitoring of ambient air quality is being carried out at four appropriate locations in core zone and in four locations in buffer zone as per statue.
- Regular monitoring of Ground water level is being carried out by the installed Piezometric bore wells inside mine lease area.

**e) Afforestation:**

For the FY 2024-25, we have cumulative sapling plantation of 40200 nos..

**f) Noise Monitoring:**

- Regular maintenance of the vehicles/ machines is carried out to reduce the noise pollution.
- Controlled blasting was generally practiced minimizing the noise.
- Regular noise level monitoring was being done on monthly basis and the results are found below permissible limit.

**g) 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 established at Sukinda Mines for local community and employee

of three mines.

- Currently mining operation has stopped. The Final Mine Closure Plan completion has been certified by Indian Bureau of Mines and we are in process of surrendering the mine lease to Government of Odisha.

### **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 2024-25 is outlined in the table below.

<b>SL NO.</b>	<b>Expenditure</b>	<b>Amount (in Lakhs)</b>
1	ETP operation cost	
	a) Manpower	238.89
	b) ETP Electricity cost	47.37
	c) Chemical & maintenance cost	209.2
2	Water sprinkling cost for haul road management	32.5
3	EQMS Online Analysis	2.385
4	EQMS Online Data Transmission	0.985
5	Monitoring & Analysis cost of Air, Water & Noise	38.08
6	Plantation	96
7	Display board	0.16
<b>Total</b>		<b>665.57</b>

### **PART-I**

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

The management of Tata Steel Limited 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

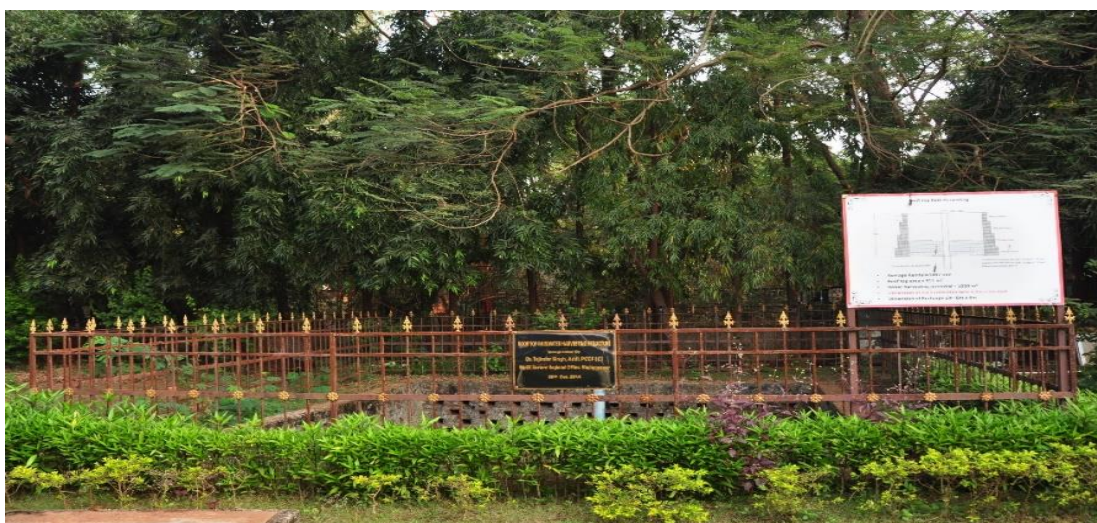




**HAUL ROAD DUST SUPPRESSION SYSTEM:**

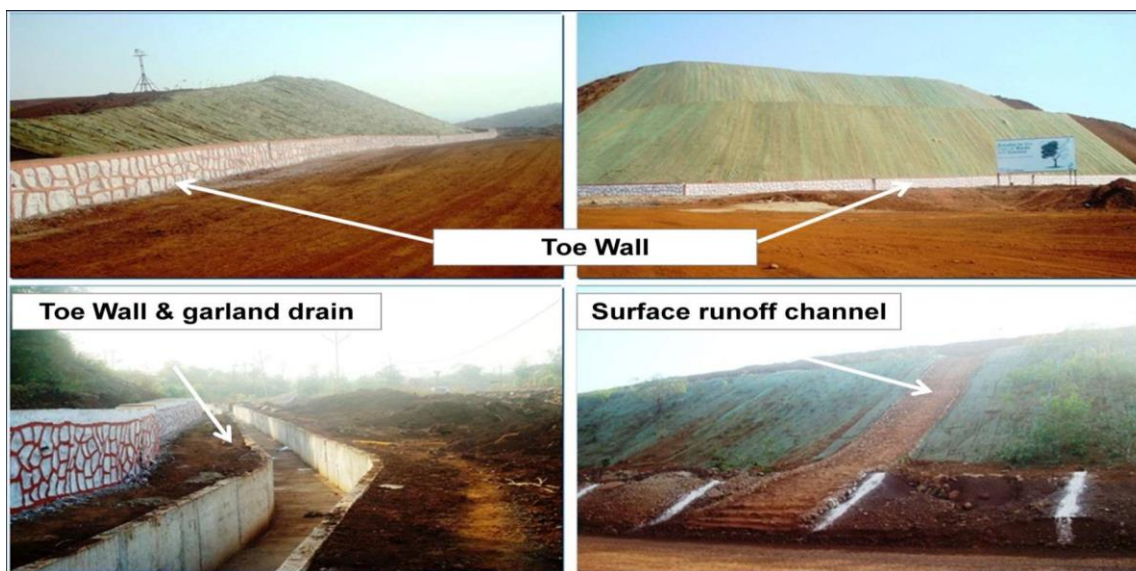


**RAIN - WATER HARVESTING STRUCTURE:**





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



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





**Oil-Water separation pit**



### Dump Plantation







GPS Map Camera



Jaipur, Odisha, India

, Omc Ore Mines, Odisha 755028, India, Jaipur, Odisha  
755028, India

Lat 21.013563° Long 85.764267°

02/09/2025 03:00 PM GMT +05:30



TSL/FAMD/SCM/FY26/2717  
Date: 30-06-2025

To  
The Regional Controller of Mines,  
Indian Bureau of Mines,  
Bhubaneswar-751020.

**Sub: Submission of Annual Return in Form G1 for the Year FY25.**

Dear Sir,

We are submitting here with annual return in Form G1 for the year FY25 for the mine Sukinda Chromite Mine of Tata Steel Limited.

Thanking You.

Yours faithfully,  
F. Tata Steel Limited

  
30/6/25  
Manager

Sukinda Chromite Block.  
Mine Code: - 11ORI19028

Enclosed: - (i) From G-1  
(ii) Geological Section  
(iii) Geological Plan  
(iv) Surface Plan

**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



**FORM G-1**

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

**For the financial Year 1<sup>st</sup> April, 2024 to 31<sup>st</sup> March, 2025****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 (to give registration number of the Lessee-Owner)	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 Mody Street Fort, Mumbai
5. Director in charge :	MR T V NARENDRAN, CEO & MANAGING DIRECTOR
6. Agent :	MR NAVEEN SHRIVASTAVA
7. Manager :	MR 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\_Excel\_File.xlsx

Upload UAV Survey (KML/KMZ File) : Sukinda\_Drone\_Data.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	061304569303
(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
	--	--	--

12. Lease area (surface area) utilisation as at the end of year (hectares):	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	149.357	0.210	149.567
(iii) Reclaimed-rehabilitated	30.710	0.000	30.710
(iv) Used for waste disposal	86.730	0.260	86.990
(v) Occupied by plant, buildings, residential, welfare buildings and roads	76.055	0.728	76.783
(vi) Used for any other purpose (specify) Green Belt, Nala, Safety zone, etc.	61.817	0.133	61.950
(vii) Work done under progressive mine closure plan during the year	18.010	0.000	18.010
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	4	0
(ii) Diploma Mining Engineer	12	0
(iii) Geologist	1	0
(iv) Surveyor	1	0
(v) Other administrative and technical supervisory staff	21	0
Total:	39	0
2. (i) Number of days the mine worked:	309	
(ii) No. of shifts per day:	1	
(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	3

### 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) 13/04/2024				(a) ( number) 1000				
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	17433	79619	97052	309	313.1	1	314.1	112033489.00
Above Ground	3914	102485	106399	309	318.3	26.1	344.4	100546260.00
Total:	21347.0	182104.0	203451.0	309.000	631.4	27.1	658.5	212579749.00

# 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\* (₹ 273739439)

(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		
--		--		--		
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	0
(ii) Building:						
Industrial	28680309	0	0	42758	28637551	0
Residential	12708565	0	0	30916	12677649	0
(iii) Plant and Machinery including transport equipment	235150904	0	86286	7964485	227100133	0
(iv) Capitalised Expenditure such as pre-production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Income Tax Act)	8867717	0	0	3543611	5324106	0
Total:	285407495	0	86286	11581770	273739439	0

\* 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	
Name of the Institution-Source	Amount of Loan (₹)	Rate of Interest
NIL	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)

1. Quantity and cost of material consumed during the year			
Description	Unit	Quantity	Value (₹)
<b>(i) Fuel</b>			
(a) Coal	Tonnes	0	0
(b) Diesel Oil	Ltrs.	17194	1565576
(c) Petrol	Ltrs.	0	0
(d) Kerosene	Ltrs.	0	0
(e) Gas	Cu.M	0	0
<b>(ii) Lubricant</b>			
(a) Lubricant oil	Ltrs.	183	54534
(b) Grease	Kgs.	0	0
<b>(iii) Electricity</b>			
(a) Consumed	Kwh	4271372	30260665
(b) Generated	Kwh	20	5000
(c) Sold	Kwh	0	0
<b>(iv) Explosives (furnish full details in Part IV)</b>			7093800
<b>(v) Tyres</b>	Nos.	8	220000
<b>(vi) Timber and Supports</b>			0
<b>(vii) Drill rods and kits</b>	Nos.	100	2350000
<b>(viii) Other spares and stores</b>			0

2. Royalty, Rents and Payments made to DMF and NMET (₹):		
	Paid for current year	Paid towards past arrears
(a) Royalty	1095155296	0
(b) Dead rent	0	0
(c) Surface rent	6069798	0
(d) Payment made to DMF	109515601	0
(e) Payment made to NMET	21903183	0
3. Compensation paid for felling trees during the year (₹)		0
4. Depreciation on fixed assets (₹)		11581770

5. Taxes and cesses		
	Amount in Rupees paid during the year to:	
	Central Govt.	State Govt.
(i) Sales Tax	344507571	3668909
(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 fess, Application fees, Vehicle taxes, weighment Charges, surface rent	0	4127584
6. Other expenses (₹):		
(i) Overheads		17864446
(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.		19000	
		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) CARTRIDGE	Kg.	0	16825	0	0		
6. Detonators							
i) Ordinary	No.s	5292		0			
ii) Electrical							
(a) Ordinary	No.s	125		0			
(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) SME, CAST BOOSTER	Kg	117247		0			

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	627	0	627	100m X 100m
	Metrage	85153	0	85153	100m X 100m
Pitting	No of pits	0	0	0	0
	Excavation (in m <sup>3</sup> )	0	0	0	0
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:

0

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

Classification	Code	At the beginning of the year 1.4.2024 as per latest approved mining plan- scheme	Assessed during the year	Depletion of reserves during the year	Balance resources as on 31.3.2025
(1)	(2)	(3)	(4)	(5)	(6)= (3+4-5)
<b>A. Mineral Reserve</b>					
1. Proved Mineral Reserve	111	2600070	0	296219	2303851
2. Probable mineral Reserve	121	0	0	0	0
	122	0	0	0	0
3. Total Reserves		2,600,070.00	0.00	296,219.00	2,303,851.00
<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	1307447	0	0	1307447
4. Indicated mineral resource	332	23106499	0	0	23106499
5. Inferred mineral resource	333	35139985	0	0	35139985
6. Reconnaissance mineral resource	334	0	0	0	0
7. Total remaining Resources		86,491,473.00	0.00	0.00	86,491,473.00
<b>Total (A+B)</b>		89,091,543.00	0.00	296,219.00	88,795,324.00

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

Classification	Code	At the beginning of the year 1.4.2024 as per latest approved mining plan- scheme	Assessed during the year	Depletion of reserves during the year	Balance resources as on 31.3.2025
(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	0	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 tonnes)	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

## 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 tonnes)	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
94227914	862576	0	862576	95090490

#### 5. Trees planted- survival rate

Description	Within lease area	Outside lease area
i) Number of trees planted during the year	40200	0
ii) Survival rate in percentage	91	0
iii) Total no. of trees at the end of the year	55256	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)
PUMPS (ELEC.)	10000.000	L/MN	2	Electrical	Opencast
PUMPS (ELEC.)	2833.000	L/MN	1	Electrical	Opencast
PUMPS (ELEC.)	3333.000	L/MN	3	Electrical	Opencast
PUMPS (ELEC.)	2500.000	L/MN	4	Electrical	Opencast
SHOVEL (HYDRAULIC)	4.200	CUM	1	Non Electrical	Opencast
SHOVEL (HYDRAULIC)	1.800	CUM	1	Non Electrical	Opencast
FRONT END LOADER	5.500	CUM	1	Non Electrical	Opencast
BACK HOE	1.100	CUM	2	Non Electrical	Opencast
TIPPER	19.500	CUM	4	Non Electrical	Opencast
CRANE	30.000	TONNE	1	Non Electrical	Opencast
OTHERS (NON-ELEC.)	136.000		1	Non Electrical	Opencast
EXPLOSIVE VAN	125.000	TONNE	1	Non Electrical	Opencast
OTHERS (NON-ELEC.)	100.000		1	Non Electrical	Opencast
TRUCK	125.000	TONNE	1	Non Electrical	Opencast
EXPLOSIVE VAN	100.000	TONNE	1	Non Electrical	Opencast
MINE CARS	75.000	TONNE	9	Non Electrical	Opencast
MINE CARS	75.000	TONNE	9	Non Electrical	Opencast
OTHERS (NON-ELEC.)	114.000		3	Non 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).

NIL

**(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).

NIL

**(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



**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	296218.945	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% Cr <sub>2</sub> O <sub>3</sub> ROM	0.000	0.00
(b) 40% to below 52 % Cr <sub>2</sub> O <sub>3</sub> ROM	0.000	0.00
(c) 52% and above Cr <sub>2</sub> O <sub>3</sub> 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% Cr <sub>2</sub> O <sub>3</sub>	0.000	0.000	0.000	0.000	0.00
(b) 40% to below 52 % Cr <sub>2</sub> O <sub>3</sub>	0.000	0.000	0.000	0.000	0.00
(c) 52% and above Cr <sub>2</sub> O <sub>3</sub>	0.000	0.000	0.000	0.000	0.00
<b>(ii) Fines</b>					
(a) Below 40% Cr <sub>2</sub> O <sub>3</sub>	308112.893	80919.765	153800.520	235232.138	9420.13
(b) 40% to below 52 % Cr <sub>2</sub> O <sub>3</sub>	16559.789	187750.930	204310.710	0.009	22785.30
(c) 52% and above Cr <sub>2</sub> O <sub>3</sub>	12964.716	27548.250	40512.960	0.006	32947.64
(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	25093.910	253584010.54			
Below 40% Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5765/2011	M/s Tata Steel Limited	18689.080	168534653.16			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/4178/2011	ANAND EXPORTS	1985.200	19970038.91			
Below 40% Cr2O3,Fines	DOMESTIC SALE	IBM/45726/2023	ADISH MINERALS PRIVATE LIMITED	1704.670	20386591.82			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/1129/2011	Jindal Stainless Limited	16751.880	167585188.35			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/240/2011	Shyam Metalics & Energy Limited	2477.200	25048677.14			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/4376/2011	Tata Steel Limited	45221.180	448716232.09			
Below 40%	DOMESTIC	IBM/5307/2	AARTI STEELS	14195.150	133010630.			



Cr2O3,Fines	TRANSFER	011	LIMITED		27			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	15655.530	152161115.10			
Below 40% Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	12026.720	119758194.05			
40% to below 52 % Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5157/2011	ROHIT FERRO TECH LIMITED	43350.130	1011144105.01			
40% to below 52 % Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5765/2011	M/s Tata Steel Limited	34792.420	813411575.86			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	11283.100	246962706.23			
40% to below 52 % Cr2O3,Fines	DOMESTIC SALE	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	1020.160	28411435.63			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/1129/2011	Jindal Stainless Limited	14982.750	335673489.88			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/240/2011	Shyam Metalics & Energy Limited	4078.660	95218595.82			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/4376/2011	Tata Steel Limited	39213.950	916166962.91			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5307/2011	AARTI STEELS LIMITED	15879.000	370238110.13			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	16928.910	387640381.67			
40% to below 52 % Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	22781.630	530470041.42			
52% and above Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5157/2011	ROHIT FERRO TECH LIMITED	4097.910	122727479.35			
52% and above Cr2O3,Fines	CAPTIVE CONSUMPTION	IBM/5765/2011	M/s Tata Steel Limited	2048.080	59117829.20			
52% and above Cr2O3,Fines	DOMESTIC SALE	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	7073.100	226964507.71			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/1129/2011	Jindal Stainless Limited	2681.340	84209481.48			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/240/2011	Shyam Metalics & Energy Limited	1810.040	52246804.60			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/4376/2011	Tata Steel Limited	12035.610	368099929.25			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5307/2011	AARTI STEELS LIMITED	5029.680	145766584.90			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/538/2011	JAI BALAJI INDUSTRIES LIMITED	2616.850	79159712.50			
52% and above Cr2O3,Fines	DOMESTIC TRANSFER	IBM/5771/2011	Tirumala Balaji Alloys Private Limited	3120.350	90110051.10			

## 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 PLAN WITHIN ENVIRONMENT CLEARANCE AND MINING PLAN

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

a) AS PER IBM ASP

Final Submitted

## 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 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)
(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		
		Registrati on 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	994.00
	(a) Exploration	0.00
	(b) Mining	994.00
	(c) Beneficiation(Mechanical Only)	0.00
(ii)	Over-head cost	60.00
(iii)	Depreciation	39.00
(iv)	Interest	0.00
(v)	Royalty	3029.00
(vi)	Payments made to DMF	303.00
(vii)	Payments made to NMET	61.00
(viii)	Taxes	0.00
(ix)	Dead Rent	0.00
(x)	Others (specify) Applicable Amount	18932.00
	Total	23418.00

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 2024 - 2025	Production reported during the financial year 2024 - 2025	Difference
CHROMITE	600117	296218.945	303898
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:

Signature

Name in full: Nihar Ranjan Mitra  
Designation:  
Owner-Agent-Mining Engineer-Manager

**From: 136.226.255.17 at 2025-06-26 16:15:09**

Esigned by: Guest  
Date: 26/06/2025 04:15:11 PM