



**Regional Controller of Mines,
Indian Bureau of Mines,
Plot No. 149, In front of CPWD Office,
Pokhariput,
Bhubaneswar - 751 020.**

Ref. No. MGM/P&E/ 241/23
Date: 27.06.2023

Sub : Submission of Data pertaining to Sustainable Development Framework (SDF) for the year 2022-23 in respect of our Bamebari Iron & Mn. Mine of Tata Steel Ltd. in the Keonjhar District of Odisha.

Dear Sir,

With pursuance to the Rule 35 (2) of the MCDR, 2017, we are submitting herewith the hard copy of online data dated 27.06.2023 pertaining to Sustainable Development Framework (SDF) for the year 2022-23 in respect of Bamebari Iron & Mn. Mine over an area of 464 ha (intended to retain area) of Tata Steel Ltd. in the Keonjhar District of Odisha as **Annexure - 1**.

This is for your kind perusal.

Thanking You.

Yours faithfully,
F: Tata Steel Ltd.

Manager,
Bamebari Iron & Mn. Mine

Enclosure - Annexure - 1 - Downloaded online data on SDF for the year 2022-23.

TATA STEEL LTD.

Ferro Alloys & Minerals Division, Manganese Group of Mines, At/P.O. Bichhakundi, Via - Joda,
Dist. Keonjhar, Odisha - 758034, Tel. +91 6372901872, e-mail: mnminesadmin@tatasteel.com
Regd. Office - Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India Tel 91 22 6665 8282 Fax 91
22 66657724 Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES

REPORTING YEAR: RY - 2022-23

LEASE AREA DETAILS

S.N. Particulars	Details								
1. Name of the Mining Lease	Bamebari Iron & Manganese Mir								
Name of the Lessee	Tata Steel Limited								
2. Address	Corporate Address : "Bombay House" 24, Homi Mody Street								
Phone	9238306100								
Email	awnish.kumar@tatasteel.com								
3. IBM mine code (for ML)	40ORI08003								
4. IBM Registration Number (under rule 45 of MCDR, 1988)	4376								
5. Major Mineral(s)	<table border="1"> <tr> <td>Manganese Ore</td> <td>: 7326430</td> </tr> <tr> <td>T</td> <td></td> </tr> <tr> <td>Iron Ore</td> <td>: 2632820</td> </tr> <tr> <td>T</td> <td></td> </tr> </table>	Manganese Ore	: 7326430	T		Iron Ore	: 2632820	T	
Manganese Ore	: 7326430								
T									
Iron Ore	: 2632820								
T									
6. Total Lease Area (ha)									
(i) Forest Land (ha)	448.40								
(ii) Private Land (ha)	15.50								
(iii) Revenue land (ha)	0.10								
(iv) Others, if any	0								
7. Lease period (valid up to)	31.03.2030								
8. Reserves (As per UNFC 111,121 & 122) as on End of the reporting year. (In million tonnes)	2.6939								
9. Resources as on End of the reporting year. (In million tonnes)	4.6324								
10. Method of Mining (Opencast/ Underground, Opencast & Underground)	<input checked="" type="radio"/> Opencast <input type="radio"/> Underground <input type="radio"/> Opencast & Underground								
11. Category - A / B (as per Rule 42(2) of MCDR, 1988)	<input checked="" type="radio"/> Catagory A <input type="radio"/> Catagory B								
12. Captive/Non Captive	<input checked="" type="radio"/> Captive <input type="radio"/> Non Captive								

Member 1:

Name: Niranjan Kumar

Designation: Mine Manager

Contact No: 9204058109

Member 2:

Name: Alok Singh Sardar

Designation: Mining Engineer

Contact No: 8769579977

Member 3:

Name: Birendra Jena

Designation: Sr. Manager (Environn

Contact No: 8260789770

Member 4:

Name: Sangeeth Gopi

Designation: Regional Geologist

Contact No: 7763807661

Member 5:

Name: Ravindra Kumar

Designation: Unit head TSRDS

Contact No: 9237019777

Member 6:

Name: Dr. Raza Sarif

Designation: Sr. Registrar(Hospital,)

Contact No: 8877103295

Member 7:

Name: Amit Kumar Agarwalla

Designation: Sr. Manager (Finanace

Contact No: 8092085785

Member 8:

Name: B R Dash

Designation: Sr. Manager Planning

Contact No: 7655024282

13. Name and contact details of all the members of Sustainable Development Unit (SDU)

14. Prominent surface feature of national importance, like monuments, place of worship, rivers, etc. if any.

NA

EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASESREPORTING YEAR: RY - 2022-23**LEASE AREA UTILISATION**

S. No.	Type Of Land Use(in ha)	Area put to use at the end of approved plan period	Area put to use at the beginning of RY	Area put to use during the RY	Cumulative area put to use at the end of RY
1.	Mining	101.138	88.050	0.435	88.4850

2.	Mineral Storage	14.708	8.016	1.618	9.6340
3.	Mineral Beneficiation plant	0	0	0	0.0000
4.	Township	24.350	24.350	0	24.3500
5.	Tailing Pond	0	0	0	0.0000
6.	Railways	0	0	0	0.0000
7.	Roads	11.420	10.420	1.062	11.4820
8.	Infrastructure (Workshop, administrative building etc.)	5.451	4.086	2.010	6.0960
9.	OB/waste dump	57.166	46.884	0.000	46.8840
10.	Top soil preservation	0.450	0	0	0.0000
11.	Others	17.150	21.044	0.292	21.3360
12.	Total area put to use	231.833	202.850	5.417	208.2670
13.	Excavated area reclaimed	25.795	16.000	3.857	19.8570
14.	Waste dump area reclaimed	42.279	33.929	1.200	35.1290

EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES

REPORTING YEAR: RY - 2022-23

ROYALTY & OTHER CONTRIBUTIONS

S. No.	Details	Amount paid in RY in lakh rupees
1.	Royalty/Dead rent paid	527.44
2.	Contribution to DMF	171.70
3.	Contribution to NMET	11.54
4.	Amount Paid towards despatch sharing in Auction cases	0
5.	Total of other cess or taxes paid to Government, in addition to above	27.15

EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES

REPORTING YEAR: RY - 2022-23

STATUTORY COMPLIANCES

S. No.	Particulars	Details
1.	Environment Clearance, Order No. and validity	<p>Letter No: J11015/85/2003-IA.II(M)</p> <p>Date Approved: 17/11/2005</p> <p>Validity: 31/03/2030</p> <p>Annual Quantity Approved: 83200</p>

2. SPCB Approvals (ii) Consent to Establish(Water)	Letter No:	2474/IND-II-CTE-6266
	Date Approved:	11/03/2019
	Validity:	10/03/2024
	Annual Quantity Approved:	83200
2. SPCB Approvals (i) Consent to Establish(Air)	Letter No:	2474/IND-II-CTE-6266
	Date Approved:	11/03/2019
	Validity:	10/03/2024
	Annual Quantity Approved:	83200
2. SPCB Approvals (iii) Consent to operate(Water)	Letter No:	0544/IND-ICON-189
	Date Approved:	07/01/2022
	Validity:	31/03/2025
	Annual Quantity Approved:	83200
2. SPCB Approvals (iv) Consent to operate (Air)	Letter No:	0544/IND-ICON-189
	Date Approved:	07/01/2022
	Validity:	31/03/2025
	Annual Quantity Approved:	83200

3 Forest Clearance, Letter No. and details	Letter No:	F. No.-8-72/2008-FC
	Date Approved:	25/01/2007
	Validity:	31/03/2030
	Area in hectares:	145
4. Land Acquisition details, R &R, if applicable	Total Area acquired:	0
	Total Ammount Paid:	0

5. Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace.
- Implemented
 - Not Implemented
 - Not Applicable

EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES

REPORTING YEAR: RY - 2022-23

Basic Criterion for rating the mine

S.N. Particulars	Details
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1.	Date of Approval of Mining Plan/ Modified Mining Plan / Review of Mining Plan with validity	Letter No:	Review of Mining Plan Approval Lett
		Date Approved:	03/08/2020
		Validity:	31/03/2025
		Quantity Approved:	434800
2.	No. of days Mine was operational (during Reporting Year)		311
3.	Mining operation under suspension by Government authorities as on date of submission	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Spending towards SDF

Particulars	Details (To be filled up by Lessee)			Applicable Max Points	Points scored
Constitution of SDU (Sustainable Development Unit) at Mine level - team of Mine management comprising of Technical, Financial, CSR, HRD, Environment heads for ensuring implementation of SDF principles.	<input checked="" type="radio"/> Constituted <input type="radio"/> Not - Constituted			3	3
Total expenditure incurred for implementation of SDF at mine level including -Environment Protection, - CSR & other welfare activities in peripheral area Explanation : <i>Expenditure is not over and above the statutory levies imposed by the Government.</i> However, THIS EXCLUDES CONTRIBUTION TO DMF & NMET .	10% of royalty (in lakhs)	Total Expenditure for SDF implementation (in lakhs)	% Utilisation		
	52.74	316.95	600%	5	5
CSR (Corporate Social Responsibility) spending at the mine level in Reporting Year (as per Companies Act, 2013 or otherwise)	Committed (in lakhs)	Utilised (in lakhs)			
	268.87	269.02		5	5

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Exploration Activity

Particulars	Details (To be filled up by Lessee)			Applicable Max Points	Points scored
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Exploration carried out (as per approved Mining Plan/Scheme of Mining for the Reporting Year)	Has the entire potential mineralised area been explored 100% Proposed	<input type="radio"/> Yes Achieved		
		<input checked="" type="radio"/> No		
	Boreholes <input type="text" value="0"/>	Boreholes <input type="text" value="0"/>	10	0
	Meterage <input type="text" value="0"/>	Meterage <input type="text" value="0"/>		
G Axis area status as on the beginning of RY	Area under G1 : <input type="text" value="58.80"/>	% of potential mineralized area explored at G1 label	5	3
	Area under G2 : <input type="text" value="22.66"/>			
	Area under G3 : <input type="text" value="0"/>			
	Area under G4 : <input type="text" value="28.62"/>			
	Non mineralised area : <input type="text" value="353.92"/>			
Use of MIS/ GIS/ Mining Planning softwares for optimum resource exploitation	<input checked="" type="radio"/> Yes <input type="radio"/> No		5	5

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Mining Operation: Opencast

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored
Production of mineral in tonnes (RUN OF MINE)	Proposed	Acutal	5	0
	<input type="text" value="434800"/>	<input type="text" value="83073"/>		
Removal of waste/ overburden in cubic meters	Proposed	Acutal	5	2
	<input type="text" value="657954"/>	<input type="text" value="221084"/>		
Bench Height	Proposed (in meters)	Acutal (in meters)	3	3
	<input type="text" value="8"/>	<input type="text" value="8"/>		
Bench Width	Proposed (in meters)	Acutal (in meters)	3	3
	<input type="text" value="8"/>	<input type="text" value="8"/>		
Excavation	Proposed	Acutal	3	3
		<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal		
Lateral Submit the grid values	E/W <input type="text" value="12312"/> <input type="text" value="12777"/>	<input type="text" value="12322"/> <input type="text" value="12771"/>		
	N/S <input type="text" value="11298"/> <input type="text" value="11572"/>	<input type="text" value="11299"/> <input type="text" value="11565"/>		
Vertical (in MRL)	<input type="text" value="508"/>	<input type="text" value="510"/>		

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

This section is not for underground mines. please choose next one.

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Zero Waste Mining

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Alternative use / Disposal as a percentage of total waste generation (excluding top soil)	Disposal as minor mineral <input type="radio"/> Yes <input type="radio"/> No	4	
Waste dumping	Proposal Acutal <input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	2	2
Lateral Submit the grid values	E/W <input type="text" value="3047"/> <input type="text" value="3543"/> <input type="text" value="3086"/> <input type="text" value="3354"/> N/S <input type="text" value="2182"/> <input type="text" value="2730"/> <input type="text" value="2182"/> <input type="text" value="2361"/>		
Vertical (in MRL)	<input type="text" value="620"/> <input type="text" value="582"/>		

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Mineral Conservation

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Beneficiation practices for ROM/ mineral Reject/ Subgrade	<input type="radio"/> Yes <input checked="" type="radio"/> No	5	0
Blending of mineral reject/ Subgrade	Quantity blended <input type="text" value="4984"/> Total mineral reject <input type="text" value="15015"/>	5	4
Separate stacking of mineral rejects/ subgrade mineral in earmarked area	Proposal Acutal <input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	2	2
Area Submit the grid values	E/W <input type="text" value="12456"/> <input type="text" value="12807"/> <input type="text" value="12588"/> <input type="text" value="12796"/> N/S <input type="text" value="11620"/> <input type="text" value="11731"/> <input type="text" value="11502"/> <input type="text" value="11592"/>		
Quantity	<input type="text" value="149939"/> <input type="text" value="10031"/>		

* Mineral rejects includes subgrade also

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Environment Compliances

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored												
Top soil utilisation/stacking	<input type="radio"/> Stacking <input type="radio"/> Utilized <input checked="" type="radio"/> Stacking & Utilized <input type="radio"/> Not done	5	5												
Construction of check dams (Number)	<table border="1"> <tr> <th>Proposal</th> <th>Achieved</th> </tr> <tr> <td>0</td> <td>0</td> </tr> </table>	Proposal	Achieved	0	0	1	1								
Proposal	Achieved														
0	0														
Construction of garland drains	<table border="1"> <tr> <th>Proposal (in meters)</th> <th>Achieved (in meteres)</th> </tr> <tr> <td> <input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal </td> <td> <input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal </td> </tr> <tr> <td> <table border="1"> <tr> <td>270</td> <td>1</td> <td>1</td> </tr> </table> </td> <td> <table border="1"> <tr> <td>171</td> <td>1</td> <td>1</td> </tr> </table> </td> </tr> </table>	Proposal (in meters)	Achieved (in meteres)	<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	<table border="1"> <tr> <td>270</td> <td>1</td> <td>1</td> </tr> </table>	270	1	1	<table border="1"> <tr> <td>171</td> <td>1</td> <td>1</td> </tr> </table>	171	1	1	1	1
Proposal (in meters)	Achieved (in meteres)														
<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal														
<table border="1"> <tr> <td>270</td> <td>1</td> <td>1</td> </tr> </table>	270	1	1	<table border="1"> <tr> <td>171</td> <td>1</td> <td>1</td> </tr> </table>	171	1	1								
270	1	1													
171	1	1													
Construction of retaining walls	<table border="1"> <tr> <th>Proposal (L x W x D) in Meters</th> <th>Achieved (L x W x D) in Meters</th> </tr> <tr> <td> <input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal </td> <td> <input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal </td> </tr> <tr> <td> <table border="1"> <tr> <td>270</td> <td>1</td> <td>1</td> </tr> </table> </td> <td> <table border="1"> <tr> <td>171</td> <td>1</td> <td>1</td> </tr> </table> </td> </tr> </table>	Proposal (L x W x D) in Meters	Achieved (L x W x D) in Meters	<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	<table border="1"> <tr> <td>270</td> <td>1</td> <td>1</td> </tr> </table>	270	1	1	<table border="1"> <tr> <td>171</td> <td>1</td> <td>1</td> </tr> </table>	171	1	1	1	1
Proposal (L x W x D) in Meters	Achieved (L x W x D) in Meters														
<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal	<input checked="" type="radio"/> As per proposal <input type="radio"/> Not in proposal														
<table border="1"> <tr> <td>270</td> <td>1</td> <td>1</td> </tr> </table>	270	1	1	<table border="1"> <tr> <td>171</td> <td>1</td> <td>1</td> </tr> </table>	171	1	1								
270	1	1													
171	1	1													
Tailings disposal (applicable if beneficiation facility exists)	<input type="radio"/> Thickened tailing disposal <input type="radio"/> Dry disposal of wet tailings <input type="radio"/> Conventional disposal methods <input type="radio"/> Paste filing	5													
Tailings Utilization (%age)	<input type="radio"/> >10% <input type="radio"/> 5-10% <input type="radio"/> 0-5% <input type="radio"/> No Utilization	5													
Dust suppression measures undertaken in mining operation	Water sprinkling on haulage	<input checked="" type="radio"/> Yes <input type="radio"/> No	4	4											
	Wet drilling/Dust collector	<input checked="" type="radio"/> Yes <input type="radio"/> No													
	Water mist spray at crush	<input checked="" type="radio"/> Yes <input type="radio"/> No													
	Covering of inactive dumps by geotextiles/plantation etc	<input checked="" type="radio"/> Yes <input type="radio"/> No													
Disposal of used oil, lubricants through authorized vendors.	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1												

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Ground Water Monitoring

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Mechanism for monitoring of parameters of groundwater (GW) status & quality	<input checked="" type="radio"/> Monitoring mechanism available <input type="radio"/> Monitoring mechanism not available	1	1
Ground Water Quality status (with reference to CPCB parameters)	Are they with in the permissible limits? <input checked="" type="radio"/> Yes <input type="radio"/> No	2	2

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Water Usage

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Use of mine water consumption pattern	Usage of mine water by proper treatment and use for: <input type="radio"/> Drinking water supply <input checked="" type="radio"/> irrigation <input type="radio"/> for any other purpose <input type="radio"/> Discharge without treatment	5	3
Quantity of recycled water as a % of total water drawl from external sources such as bore wells, rivers or piped water, if applicable	Quantity of recycled water / Quantity of water drawn from external sources 1878000 litre / 31954136 litre	5	1
Innovative approach to save and conserve water in the process	Zero leakage/ water loss in water pipelines, storage tanks and water use processes <input checked="" type="radio"/> Yes <input type="radio"/> No 1. Floating valve in overhead tank. 2. Pressurised water Sprinkling arrangement in water	2	2
	Drip irrigation or other conservation techniques <input checked="" type="radio"/> Yes <input type="radio"/> No Drip irrigation at Mango orchard BMM	2	2

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Environmental Monitoring

Environmental Monitoring Standards	Core zone	Buffer zone	Applicable Max Points	Points scored
a) Ambient Air Quality Standards laid down by MoEF&CC	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	3	3
b) Surface Water Quality Standards laid down by MoEF&CC	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	3	3
c) Ground Water Quality Standards laid down by MoEF&CC	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	3	3
d) Noise Level Standards laid down by DGMS	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	3	3
e) Noise Vibration Standards laid down by DGMS	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	<input checked="" type="radio"/> Within limit <input type="radio"/> Not Within limit	3	3

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Green Energy Sourcing & Climate Change Initiatives

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Total Energy requirement in KWH			
Sourced from Green /renewable sources in KWH	807743 44238	4	4
Implementing recommendations of Energy Audit in mining, ore processing etc. as per provisions of Energy Conservation Act, 2001	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
Innovation in energy saving			
Use of sensors and low energy consumption devices	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
Conservation of Fuel	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
Conservation through other technical intervention. Please list.	<input checked="" type="radio"/> Yes <input type="radio"/> No 1. Hybrid DG are using to save approx 50% fuel 2. 15KW Solar plant installed at Joribar	2	2

Module 1 - MANAGING IMPACTS AT THE MINE LEVEL

REPORTING YEAR: RY - 2022-23

Compliance Status

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored
Violations pointed out by IBM	Total no. of violations pointed out	Violations complied with		
	3	3	4	4
Violations pointed out by DMG, DGMS, MoEFCC & CPCB/SCPB.	Total no. of violations pointed out (as informed by lessee)	Violations complied with		
	15	15	4	4

Note: Proposal and achievement columns are with respect to the reporting year.

Module 2 - FINAL/ PROGRESSIVE MINE CLOSURE & LANDSCAPE RESTORATION

REPORTING YEAR: RY - 2022-23

Particulars	Details			Applicable Max Points	Points scored
1. Backfilling as per approved Mining Plan	Proposal	Actual	%		
Backfilling Area(Ha)	4.3	3.857	90	3	2
2. Water Reservoir, ground water recharge, and pisciculture, if applicable	Area (in sq. meter)	Maximum Depth (in meter)	Volume (in Cubic meter)		
Proposed Targets for the RY				5	
Actual					
2(a) Efforts towards Rainwater(RW) Harvesting, Groundwater(GW) Recharging	<input checked="" type="radio"/> RW harvesting with GW recharging <input type="radio"/> RW harvesting with no GW recharging <input type="radio"/> No structures			3	3
3. Landscape restoration & rehabilitation of ecology & biodiversity	Proposal (in sq. meter)	Actual (in sq. meter)	% Achievement		
Plantation over backfilled area	10000	12000	120	3	3
Plantation over dump area	8000	0	0	5	0
Plantation over virgin area(Green belt development)				3	
Agro forestry practiced	<input type="radio"/> Yes <input type="radio"/> No			2	

3(a) Efforts for faster restoration [Soil moisture conservation / fencing of area / drip irrigation/ any other]

Yes No

1. Use of Hydrogel at the plantation

2

2

3(b) Treatment of problematic soils, if applicable Treatment with soil amendments, manuring, bio-fertilisers etc.

Yes No

1. Periodic Soil Analysis followed

2

2

4. Creation of Eco tourism/ recreational facility if applicable

Proposed (in sq. meter)

Actual (in sq. meter)

Area reshaped by pitching & recontouring

2

5. Dump area stabilisation and development if applicable

Proposed (in sq. meter)

Actual (in sq. meter)

Area Covered by geo textiles or similar techniques

5

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Rehabilitation & Resettlement for Project Affected People

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
No. of Project Affected People (PAP) as per approved EIA-EMP / SIA-SMP / R&R , if applicable	<input type="text" value="0"/>		
% of PAP for whom alternate arrangements made for sustained livelihood * <i>Indirect employment/ Created source of income other than direct employment</i>	<input type="text"/> %	3	
% of project affected persons given employment * (Direct Employment)	<input type="text"/> %	5	
% of project affected persons who have been skilled by the lessee and absorbed (% of total employment given to affected families by imparting training for becoming electrician, mechanic, tailoring)	<input type="text"/> %	5	

Social Impact Assessment(SIA) undertaken and Social Impact Management Plan prepared and implemented	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
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* PAP - Indicates the persons who have been displaced due to land aquisition for mining lease

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Grievance Redressal

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Whether a public grievance redressal mechanism is in place	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
Name, Address and Phone no./Email of Committee Members responsible displayed publicly	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Stakeholder Participation

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored
Participation of stakeholders, host communities and community groups in various activities of the companies such as Environment Management, CSR activities and Capacity Expansion plans	<input checked="" type="radio"/> Yes <input type="radio"/> No Participation	3	3

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Support for Drinking Water & Agriculture

* In the absence of any proposal the previous year expenditure will be taken as base for the purpose of determining %

Welfare and socio-economic development programs for local communities	Details of Exp - enditure & Work done during Reporting Year		No. of Beneficiaries	Max Applicable Points	Points scored
	Proposed	Actual			
Water storage tanks, drinking water supply facility & irrigation support to agriculture	Exp(in Lakhs) - 125	Exp(in Lakhs) - 125	510	3	3
	1.Installation of deep bores with overhead tank &	1.Installation of deep bores with overhead tank &			

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Support to Health & Medical Services

* In the absence of any proposal the previous year expenditure will be taken as base for the purpose of determining %

Welfare and socio-economic development programs for local communities	Details of Expenditure & Work done during Reporting Year		No. of Beneficiaries	Max Applicable Points	Points scored
	Proposed	Actual			
Preventive measures for mitigation of mine related health problems	Exp(in Lakhs) - 7	Exp(in Lakhs) - 7	1228	3	3
	1.Mobile Medical Units and ambulances favity for	1.Mobile Medical Units and ambulances favity for			
Promotion of Hygiene and Sanitation, public health initiatives	Exp(in Lakhs) - 0.3	Exp(in Lakhs) - 0.3	2500	3	3
	1. Organizing Health Awareness camps and general	1. Organizing Health Awareness camps and general			

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Support to Skill development & Education

* In the absence of any proposal the previous year expenditure will be taken as base for the purpose of determining %

Welfare and socio-economic development programs for local communities	Details of Expenditure & Work done during Reporting Year		No. of Beneficiaries	Max Applicable Points	Points scored
	Proposed	Actual			
Skill development & Vocational Training programmes for local communities	Exp(in Lakhs) - 0.6	Exp(in Lakhs) - 0.6	10	3	3
	Skill Development Program (LMV/HMV & Sewing)	Skill Development Program (LMV/HMV & Sewing)			
Promotion of Literacy & Education	Exp(in Lakhs) - 65.95	Exp(in Lakhs) - 66.07	550	3	3
	1.Grant-in-Aid to schools UP ME School Bamebari	1.Grant-in-Aid to schools UP ME School Bamebari			

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Social & Livelihood Support

* In the absence of any proposal the previous year expenditure will be taken as base for the purpose of determining %

Welfare and socio-economic development programs for local communities	Details of Exp - enditure & Work done during Reporting Year		No. of Beneficiaries	Max Applicable Points	Points scored
	Proposed	Actual			
Support to social, cultural, recreational activities	Exp(in Lakhs) - 3.08	Exp(in Lakhs) - 3.08	247	2	2
	1.Organising sports tournaments at Palsa- Ka and	1.Organising sports tournaments at Palsa- Ka and			
Livelihood & Socio-Economic standard improvement support	Exp(in Lakhs) - 17.59	Exp(in Lakhs) - 17.6	514	3	3
	1.Livelihood Agri allied (promoted for Vegetable cultivation)	1.Livelihood Agri allied (promoted for Vegetable cultivation)			

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

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Support to Transportation Services & Infrastructure

* In the absence of any proposal the previous year expenditure will be taken as base for the purpose of determining %

Welfare and socio-economic development programs for local communities	Details of Exp - enditure & Work done during Reporting Year		No. of Beneficiaries	Max Applicable Points	Points scored
	Proposed	Actual			
Improvement of Road connectivity and public transport and other infrastructure facilities	Exp(in Lakhs) -	Exp(in Lakhs) -	1980	2	2
	49.35 1. Repairing & New installed street light 2.Installation	49.37 1. Repairing & New installed street light 2.Installation			

Module 3 - ADDRESSING SOCIAL IMPACTS OF R&R REQUIREMENTS, COMMUNITY ENGAGEMENT & WELFARE PROGRAMMES

REPORTING YEAR: RY - 2022-23

Sourcing of manpower amongst locals (from the district) in the mines

Particulars	Details		Max Applicable Points	Points scored
Total Local Manpower (% of total manpower)	Total local man power	327	3	3
	Total man power	418		
Skilled local manpower (% of total skilled manpower)	Skilled local man power	123	3	3
	Total skilled man power	175		
Unskilled local manpower (% of total unskilled manpower)	Unskilled local man power	204	3	3
	Total unskilled man power	243		
% of skilled local manpower who have been skilled by the lessee and absorbed (% of skilled local manpower)	Local man power skilled by lessee and absorbed	10	3	1
	Skilled total local man power	123		
Working in LWE affected districts (as per MHA)	<input type="radio"/> Yes <input checked="" type="radio"/> No		2	0
Working in Schedule V/Tribal area	<input checked="" type="radio"/> Yes <input type="radio"/> No		3	3

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Creating/providing sanitation and healthy condition in and around the mine area

Particulars	Details	Applicable Max Points	Points scored
Adoption of One Village around mining areas for the purpose ODF : (Open Defacation Free Area)	<input checked="" type="radio"/> School, Hospital,Drinking water and ODF <input type="radio"/> School, Hospital and Drinking water <input type="radio"/> School and Hospital <input type="radio"/> School <input type="radio"/> None of these	10	10
Adoption of ODF within mining area	<input checked="" type="radio"/> Yes <input type="radio"/> No	5	5
General Cleanliness of mines area	<input checked="" type="radio"/> Excellect <input type="radio"/> Moderate <input type="radio"/> Poor	3	3
Cleanliness of workshop/Mines Office area	<input checked="" type="radio"/> Excellect <input type="radio"/> Moderate <input type="radio"/> Poor	3	3
Garbage collection and appropriate disposal	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
Providing drinking water for mining workers	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
Provision for greenage recreational facility	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
Awareness program among Mine workers for Swatchata	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2

Module 4 - ASSURANCE AND REPORTING

REPORTING YEAR: RY - 2022-23

Lease Level Reporting - Disclosures and Assurances

Particulars	Details	Applicable Max Points	Points scored
Availability of information on SDF and related Reports on Company's/Mine website	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
Display of ambient air quality level on website and at prominent locations such as premises gate, mine-office, etc.	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
Internal auditing for information submitted.	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3

Module 4 - ASSURANCE AND REPORTING

REPORTING YEAR: RY - 2022-23

Voluntary Adoption of Related International Standards

Particulars	Details	Applicable Max Points	Points scored
QMS (ISO_9001)	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
EMS (ISO-14001)	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
OHSAS (ISO-18001)	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
Social Accountability (8000)	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
Energy Audit undertaken by BES	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
GRI/Substainability Reporting	<input checked="" type="radio"/> Yes <input type="radio"/> No	3	3
Swatchata Report	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2