



**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/ 242 /22  
Date: 27.06.2023

Sub : Submission of Data pertaining to Sustainable Development Framework (SDF) for the year 2022-23 in respect of our Tiringpahar 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 Tiringpahar Iron & Mn. Mine over an area of 169 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,  
Tiringpahar 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](http://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	Tiringpahar Iron and Manganes								
Name of the Lessee	Tata Steel Limited								
2. Address	"Corporate Address : "Bombay House" 24, Homi								
Phone	9238306100								
Email	awnish.kumar@tatasteel.com								
3. IBM mine code (for ML)	40ORI08033								
4. IBM Registration Number (under rule 45 of MCDR, 1988)	4376								
5. Major Mineral(s)	<table border="1"> <tr> <td>Manganese Ore</td> <td>: 4793140</td> </tr> <tr> <td>In Tonnes</td> <td></td> </tr> <tr> <td>Iron Ore</td> <td>: 5431250</td> </tr> <tr> <td>In Tonnes</td> <td></td> </tr> </table>	Manganese Ore	: 4793140	In Tonnes		Iron Ore	: 5431250	In Tonnes	
Manganese Ore	: 4793140								
In Tonnes									
Iron Ore	: 5431250								
In Tonnes									
6. Total Lease Area (ha)									
(i) Forest Land (ha)	133.17								
(ii) Private Land (ha)	1.31								
(iii) Revenue land (ha)	34.52								
(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)	1.4893								
9. Resources as on End of the reporting year. (In million tonnes)	3.3038								
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: Awnish Kumar  
 Designation: Agent, Manganese Gr  
 Contact No: 9234510671

**Member 2:**

Name: Rakesh Kumar  
 Designation: Mines Manager  
 Contact No: 7064423796

**Member 3:**

Name: Pinak Mishra  
 Designation: Sr. Mgr (HR)  
 Contact No: 9031055728

**Member 4:**

Name: Ravindra Kumar  
 Designation: Unit Head (TSRDS)  
 Contact No: 9237019777

**Member 5:**

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

Name: Dr. Raza Sarif  
 Designation: Sr. Registrar( Hospital,  
 Contact No: 8093754818

**Member 6:**

Name: Amit Kumar Agarwalla  
 Designation: Sr. Manager (Finance &  
 Contact No: 8092085785

**Member 7:**

Name: Rishikant Maurya  
 Designation: Geologist  
 Contact No: 9438887725

**Member 8:**

Name: Birendra Kumar Jena  
 Designation: Sr. Manager (Environm  
 Contact No: 8260789770

**Member 9:**

Name: Avinash Kumar  
 Designation: Manager Maintenance  
 Contact No: 9341529125

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

NA

## EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES

REPORTING 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	40.602	25.926	1.534	27.4600
2.	Mineral Storage	24.031	15.030	-2.322	12.7080
3.	Mineral Beneficiation plant	0	0	0	0.0000
4.	Township	0	0	0	0.0000
5.	Tailing Pond	0	0	0	0.0000
6.	Railways	0	0	0	0.0000
7.	Roads	3.636	2.530	0.837	3.3670
8.	Infrastructure (Workshop, administrative building etc.)	0.300	0.300	0	0.3000
9.	OB/waste dump	34.328	26.992	2.496	29.4880
10.	Top soil preservation	0.300	0	0	0.0000
11.	Others	2.547	2.547	0	2.5470
12.	Total area put to use	105.744	73.325	2.545	75.8700
13.	Excavated area reclaimed	5.910	3.900	0	3.9000
14.	Waste dump area reclaimed	23.222	15.760	1.200	16.9600

## 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	175.50
2.	Contribution to DMF	54.30
3.	Contribution to NMET	4.26
4.	Amount Paid towards despatch sharing in Auction cases	0
5.	Total of other cess or taxes paid to Government, in addition to above	3.35

## EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES

REPORTING YEAR: RY - 2022-23

### STATUTORY COMPLIANCES

S. No.	Particulars	Details
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1. Environment Clearance, Order No. and validity	Letter No: J11015/87/2004-IA.II(M) ✓ Date Approved: 17/11/2005 Validity: 31/03/2030 Annual Quantity Approved: 85000
2. SPCB Approvals (ii) Consent to Establish(Water)	Letter No: 1678/IND-II-NOC-5645 ✓ Date Approved: 11/02/2019 Validity: 02/05/2023 Annual Quantity Approved: 85000
2. SPCB Approvals (i) Consent to Establish(Air)	Letter No: 1678/IND-II-NOC-5645 ✓ Date Approved: 11/02/2019 Validity: 02/05/2023 Annual Quantity Approved: 85000
2. SPCB Approvals (iii) Consent to operate(Water)	Letter No: 536/IND-I-CON-190 ✓ Date Approved: 07/01/2022 Validity: 31/03/2025 Annual Quantity Approved: 85000
2. SPCB Approvals (iv) Consent to operate (Air)	Letter No: 536/IND-I-CON-190 ✓ Date Approved: 07/01/2022 Validity: 31/03/2025 Annual Quantity Approved: 85000
3. Forest Clearance, Letter No. and details	Letter No: F.No. 8-80/2004-FC Date Approved: 28/03/2007 Validity: 31/03/2030 Area in hectares: 52
4. Land Acquisition details, R &R, if applicable	Total Area accured: 0 Total Ammount Paid: 0
5. Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace.	<input checked="" type="radio"/> Implemented <input type="radio"/> Not Implemented <input type="radio"/> 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
1. Date of Approval of Mining Plan/ Modified Mining Plan / Review of Mining Plan with validity	Letter No: RMP/A/07-ORI/BHU/2020-21 Date Approved: 31/07/2020 Validity: 31/03/2025 Quantity Approved: 85000
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		
	17.55      178.283      1015%	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)		
	127.7      128.37	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	
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="50.11"/>	% of potential mineralized area explored at G1 label	5	4
	Area under G2 : <input type="text" value="7.24"/>			
	Area under G3 : <input type="text" value="0"/>			
	Area under G4 : <input type="text" value="0.13"/>			
	Non mineralised area : <input type="text" value="111.52"/>			
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	5	0		
	<input type="text" value="178400"/>				
Removal of waste/ over burden in cubic meters	Proposed	5	5		
	<input type="text" value="127545"/>				
Bench Height	Proposed (in meters)	3	3		
	<input type="text" value="8"/>				
Bench Width	Proposed (in meters)	3	3		
	<input type="text" value="8"/>				
Excavation	Proposed	3	3		
	Acutal <input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal				
Lateral Submit the grid values	E/W <input type="text" value="12090"/> <input type="text" value="12312"/> <input type="text" value="12142"/> <input type="text" value="12291"/>	3	3		
	N/S <input type="text" value="11361"/> <input type="text" value="11521"/> <input type="text" value="11428"/> <input type="text" value="11589"/>				
	Vertical (in MRL)			<input type="text" value="556"/>	<input type="text" value="566"/>
	Lateral Submit the grid values			E/W <input type="text" value="11645"/> <input type="text" value="11777"/> <input type="text" value="11647"/> <input type="text" value="11777"/>	
N/S <input type="text" value="11490"/> <input type="text" value="11620"/> <input type="text" value="11490"/> <input type="text" value="11617"/>					

Vertical (in MRL)		<input type="text" value="690"/>		<input type="text" value="690"/>	
Lateral Submit the grid values	E/W	<input type="text" value="11694"/>	<input type="text" value="11868"/>	<input type="text" value="11695"/>	<input type="text" value="11854"/>
	N/S	<input type="text" value="11560"/>	<input type="text" value="11749"/>	<input type="text" value="11570"/>	<input type="text" value="11741"/>
Vertical (in MRL)		<input type="text" value="666"/>		<input type="text" value="666"/>	

### 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 type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	2	2		
Lateral Submit the grid values	E/W	<input type="text" value="11677"/>	<input type="text" value="11927"/>	<input type="text" value="11679"/>	<input type="text" value="11925"/>
	N/S	<input type="text" value="11166"/>	<input type="text" value="11341"/>	<input type="text" value="11166"/>	<input type="text" value="11345"/>
Vertical (in MRL)		<input type="text" value="683"/>		<input type="text" value="683"/>	

### 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 type="radio"/> No	5	
Blending of mineral reject/ Subgrade	Quantity blended <input type="text" value="3788"/>	Total mineral reject <input type="text" value="13215"/>	5 1



Separate stacking of mineral rejects/ subgrade mineral in earmarked area	Proposal	Actual			
		<input type="radio"/> As per proposal      2      2 <input checked="" type="radio"/> Not in proposal			
Area Submit the grid values	E/W	11748	11873	11774	11830
	N/S	11348	11472	11366	11396
Quantity		48400		9427	
Area Submit the grid values	E/W	11550	11706	11554	11705
	N/S	11277	11629	11309	11574
Quantity		147001		107525	

\* 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>1</td> <td>1</td> </tr> </table>	Proposal	Achieved	1	1	1	1		
Proposal	Achieved								
1	1								
Construction of garland drains	<table border="1"> <tr> <th>Proposal (in meters)</th> <th>Achieved (in meters)</th> </tr> <tr> <td> <input type="radio"/> As per proposal  <input checked="" type="radio"/> Not in proposal                 </td> <td> <input type="radio"/> As per proposal  <input checked="" type="radio"/> Not in proposal                 </td> </tr> <tr> <td>605    1    1</td> <td>0    0    0</td> </tr> </table>	Proposal (in meters)	Achieved (in meters)	<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	605    1    1	0    0    0	1	0
Proposal (in meters)	Achieved (in meters)								
<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal								
605    1    1	0    0    0								
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 type="radio"/> As per proposal  <input checked="" type="radio"/> Not in proposal                 </td> <td> <input type="radio"/> As per proposal  <input checked="" type="radio"/> Not in proposal                 </td> </tr> <tr> <td>605    1    1</td> <td>289    1    1</td> </tr> </table>	Proposal (L x W x D) in Meters	Achieved (L x W x D) in Meters	<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	605    1    1	289    1    1	1	0
Proposal (L x W x D) in Meters	Achieved (L x W x D) in Meters								
<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal	<input type="radio"/> As per proposal <input checked="" type="radio"/> Not in proposal								
605    1    1	289    1    1								
Tailings disposal (applicable if beneficiation facility exists)	<input type="radio"/> Thickened tailing disposal <input type="radio"/> Paste filing <input type="radio"/> Dry disposal of wet tailings <input type="radio"/> Conventional disposal methods	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 type="radio"/> irrigation <input type="radio"/> for any other purpose <input type="radio"/> Discharge without treatment	5	
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 0 litre/ 13840000 litre	5	0
Innovative approach to save and conserve water in the process			

Zero leakage/ water loss in water pipelines, storage tanks and water use processes

Yes  No

- 1. Float valve is fitted in over tank,
- 2. Pressure water tap is fitted in all taps.
- 3. Permanent water

2 2

Drip irrigation or other conservation techniques

Yes  No

- 1. Use of water in the dump plantation area through pipe and nozzles
- 2. Mulching by rice

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

<b>Total Energy requirement in KWH</b>				
Sourced from Green /renewable sources in KWH	<input type="text" value="35126"/>	<input type="text" value="18000"/>	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
<b>Innovation in energy saving</b>				
Use of sensors and low energy consumption devices	<input checked="" type="radio"/> Yes <input type="radio"/> No		2	2
Conservation of Fuel	<input type="radio"/> Yes <input checked="" type="radio"/> No		2	0
Conservation through other technical intervention. Please list.	<input checked="" type="radio"/> Yes <input type="radio"/> No		2	2

1. Astronomical timers were used to ON and OFF the lights.  
2. 400W Sodium vapor and metal

### 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		
	<input type="text" value="2"/>	<input type="text" value="1"/>	4	1
Violations pointed out by DMG, DGMS, MoEFCC & CPCB/SCPB.	Total no. of violations pointed out (as informed by lessee)	Violations complied with		
	<input type="text" value="5"/>	<input type="text" value="5"/>	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)	<input type="text"/>	<input type="text"/>	<input type="text"/>	3	

<b>2. Water Reservoir, ground water recharge, and pisciculture, if applicable</b>					
	<b>Area (in sq. meter)</b>	<b>Maximum Depth (in meter)</b>	<b>Volume (in Cubic meter)</b>		
<b>Proposed Targets for the RY</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	5	
<b>Actual</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<b>2(a) Efforts towards Rainwater(RW) Harvesting, Groundwater(GW) Recharging</b>	<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
<b>3. Landscape restoration &amp; rehabilitation of ecology &amp; biodiversity</b>					
	<b>Proposal (in sq. meter)</b>	<b>Actual (in sq. meter)</b>	<b>% Achivement</b>		
<b>Plantation over backfilled area</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	3	
<b>Plantation over dump area</b>	11600	12000	103	5	5
<b>Plantation over virgin area(Green belt development)</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	3	
<b>Agro forestry practiced</b>	<input type="radio"/> Yes <input type="radio"/> No			2	
<b>3(a) Efforts for faster restoration [Soil moisture conservation / fencing of area / drip irrigation/ any other]</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No 1. Mulching by rice husk and leaf			2	2
<b>3(b) Treatment of problematic soils, if applicable Treatment with soil amendmets, manuring, bio-fertilisers etc.</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No 1. Periodic Soil Analysis followed			2	2
<b>4. Creation of Eco tourism/ recreational facility if applicable</b>					
	<b>Proposed (in sq. meter)</b>	<b>Actual (in sq. meter)</b>			
<b>Area reshaped by pitching &amp; recontouring</b>	<input type="text"/>	<input type="text"/>		2	
<b>5. Dump area stabilisation and development if applicable</b>					
	<b>Proposed (in sq. meter)</b>	<b>Actual (in sq. meter)</b>			
<b>Area Covered by geo textiles or similar techniques</b>	11600	12000		5	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
* 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) - 44.5	Exp(in Lakhs) - 44.5	405	3	3
	1. Installation of deep bores with overhead tank in	1. Installation of deep bores with overhead tank in			

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

REPORTING YEAR: RY - 2022-23

#### 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) - 6.2	Exp(in Lakhs) - 6.2	950	3	3
	1. Mobile medical unit provision in the peripheral	1. Mobile medical unit provision in the peripheral			
Promotion of Hygiene and Sanitation, public health initiatives	Exp(in Lakhs) - 11.7	Exp(in Lakhs) - 11.8	2550	3	3
	1. Mosquito control by fogging and spraying at peripheral	1. Mosquito control by fogging and spraying at peripheral			

### 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) - 0.5	Exp(in Lakhs) - 0.6	12	3	3
	Skill Development Programmes at peripheral villages	Skill Development Programmes at Jajanga, Plaza Kha			
Promotion of Literacy & Education	Exp(in Lakhs) - 26	Exp(in Lakhs) - 26	156	3	3
	1. Grant-in-Aid to schools UPME at Joribar	1. Grant-in-Aid to schools UPME at Joribar.			

### 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) - 4.9	Exp(in Lakhs) - 5	549	2	2
	1. Organising outdoor and leadership camps. 2. Running	1. Organising outdoor and leadership camps at TSAF,			
Livelihood & Socio-Economic standard improvement support	Exp(in Lakhs) - 9.5	Exp(in Lakhs) - 9.85	399	3	3
	1. Livelihood agriculture Activities (duck rearing and	1. Livelihood agriculture Activities (Duck rearing-22			

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

REPORTING YEAR: RY - 2022-23

#### 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) - 24.4	Exp(in Lakhs) - 24.42	450	2	2
	1. Installation of street light in peripheral villages	1. Installed street light at Palsa Kha, Jajanga and			

### 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	<input type="text" value="234"/>	3
	Total man power	<input type="text" value="288"/>	
Skilled local manpower (% of total skilled manpower)	Skilled local man power	<input type="text" value="54"/>	3
	Total skilled man power	<input type="text" value="61"/>	
Unskilled local manpower (% of total unskilled manpower)	Unskilled local man power	<input type="text" value="180"/>	3
	Total unskilled man power	<input type="text" value="227"/>	
% 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	<input type="text" value="0"/>	3
	Skilled total local man power	<input type="text" value="9"/>	
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

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

REPORTING YEAR: RY - 2022-23

### 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 Defecation 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
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## 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

