

# **EVALUATION TEMPLATE FOR STAR RATING OF MINING LEASES-OTHER THAN SMALL MINES**

## **Criteria for Filing of Template**

**Other Than Small Mines: All mines having lease area 25 ha or more**  
**or**  
**having ROM Production 50,000 T or more**

- Information pertaining to “Part-I: General Information” shall be auto-fetched from the details given in the Mining Plan/ Form-K, wherever applicable.
- Kml file from Mining Plan to be automatically fetched/ shown.
- Kml file for the RY (updated plans/ sections as per Rule 33 of MCDR 2017) to be uploaded.

**REPORTING YEAR(RY): 2023 - 2024**

**ASSESSMENT YEAR(AY): 2024 - 2025**

### **Part 1 : General Information**

#### **1.1 : Lease Details**

Name of Mining Lease :	PANCHPATMALI CENTRAL AND NORTH BLOCK
Name of the Lessee : Phone of the Lessee : Email of the Lessee : Address of Lessee :	NATIONAL ALUMINIUM COMPANY LIMITED 9437095284 Gm_mines@nalcoindia.co.in NALCO BHAWAN P-1 NAYAPALLI BHUBANESWAR

State : District : Tehsil/ Taluk/ Mandal : Village :	Nil
Mine Code (for ML):	07ORI09001
IBM Registration Number (under rule 45 of MCDR, 1988):	IBM/116/2011
Name of Minerals :	BAUXITE
<b>Total Lease Area (ha) :</b>  <ul style="list-style-type: none"> <li>• (i) Forest Land (Ha)</li> <li>• (ii) Private Land (ha)</li> <li>• (iii) Revenue land (ha)</li> <li>• (iv) Others, if any(Specify)</li> </ul>	<b>1315.264</b>  <ul style="list-style-type: none"> <li>• 1294.2830</li> <li>• 0.0000</li> <li>• 20.9810</li> <li>• 0.0000</li> </ul>
Lease period (valid up to) :	2032-11-16
Reserves (As per UNFC 111,121 & 122) as on End of the reporting year.(In million tonnes) :	75.723029
Resources as on End of the reporting year. In million tonnes :	87.897429
Method of Mining(Opencast/ Underground, Opencast & Underground) :	Opencast
Category - A / B (as per Rule 55(2) of MCDR, 2017) :	A
Captive/Non Captive :	Captive

**Name and contact details of all the members of Sustainable Development Unit (SDU) :**

SR.No	Name	Designation	Contact Number
1	V S S Anand	GGM (Mines)	9437097035
2	P Mohanta	GGM (Mines)-II	9437104164

3	A Choudhury	GM (Mines)	9437035130
4	R Talwar	GM (Electrical)	9437065937
5	B R Das	GM (Mech)	9437052423
6	B C Baral	GM (Mines)	9437095849
7	S K Mohapatra	GM (H&A)	9937518876
8	Satyabrata Dash	GM (Fin)	9078082431
9	M R Panda	GM (Mech)	9437181172
10	S R Pattnaik	SM (Geo)-Env	9438006907
11	B C Mohanty	AGM (Min)	9437201468
12	J K Korada	DGM (Civil)	9437025355
13	H Bhagwani	DGM (Elect)	9437960223
14	A K Parida	AGM (Min)-Safety Officer	9437091988

Production during reporting year(Tonnes) :

6397571.000000

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

NIL

### 1.2 Lease Area Utilisation

SR.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	Remarks
1	Mining	622.7700	600.9300	21.8400	622.7700	As per mining plan and attached Annual G1

						return for reference. <a href="#">G-1_CN_2023-24.pdf</a>
2	Top Soil Preservation	0.0000	0.0000	0.0000	0.0000	
3	OB / waste dump	3.5700	3.5700	0.0000	3.5700	Old stabilized dump at Part II
4	Mineral Storage	1.3100	1.3100	0.0000	1.3100	Near MRS Stock pile
5	Infrastructure (Workshop, administrative building etc.)	102.5600	100.0400	2.5200	102.5600	Mid point loading area during 2023-24
6	Roads	0.0000	0.0000	0.0000	0.0000	CB-2 main road to mid point loading near helipad
7	Railways	0.0000	0.0000	0.0000	0.0000	
8	Tailing Pond	0.0000	0.0000	0.0000	0.0000	
9	Mineral Beneficiation plant	0.0000	0.0000	0.0000	0.0000	
10	Township	0.0000	0.0000	0.0000	0.0000	
11	Others	0.0000	0.0000	0.0000	0.0000	
12	Total area put to use	730.2100	705.8500	24.3600	730.2100	<a href="#">Lease are utilization 2023-24.pdf</a>
13	Excavated area reclaimed	412.2000	398.6700	13.5300	412.2000	Plantation area

14	Waste dump area reclaimed	0.0000	0.0000	0.0000	0.0000
----	---------------------------	--------	--------	--------	--------

### 1.3 Royalty & Other Contributions

SR.NO.	Details	Amount paid in RY in Rupees	Remarks
1	Royalty/Dead rent paid	1618614762.0000	Paid for current year and paid towards past arrears <a href="#">G-1 CN 2023-24.pdf</a>
2	Contribution to DMF	485584429.0000	Paid for current year and paid towards past arrears
3	Contribution to NMET	32372296.0000	Paid for current year and paid towards past arrears
4	Amount Paid towards despatch sharing in Auction cases	0.0000	
5	Total of other cess or taxes paid to Government,in addition to above	7714648.0000	Surface rent and user fee

### 1.4 Statutory Compliances

#### 1.4.1. Environment Clearance, Order No. and validity :

Sr.No	Statutory Compliances	Letter No.	Date Approved	Validity	Annual Quantity Approved	Remarks
1	1.4.1. Environment Clearance, Order No. and validity :	J-11015/49/2008-IA.II (M)	2009-02-20	2032-11-16	6.8250 Million Tonnes	<a href="#">EC_NCB.pdf</a>

2	1.4.2. SPCB Approvals : (i) Consent to Establish	16213/IND-II- NOC-5666	2013-09-04	2032-11-16	6.8250 Million Tonnes	<a href="#">Consent to establish-04092013.pdf</a>
3	1.4.2. SPCB Approvals : (ii) Consent to Operate	5061/IND-I-CON-92	2024-04-04	2026-03-31	6.8250 Million Tonnes	<a href="#">CTO -C&amp;N.pdf</a>

**1.4.3. Forest Clearance, Letter No. and details (If applicable) :**

SR.No	Letter No.	Date Approved	Validity	Area in hectares	Remarks
1	F.No 8-40/1993-FC(pt.-I)	2032-11-16	2032-11-16	1294.2830	<a href="#">FC_C&amp;NB.pdf</a>

**1.4.4. Wildlife Clearance (If applicable) :**

SR.No	Letter No.	Date Approved	Validity	Remarks
1				

**1.4.5. Central Ground Water Authority No Objection Certificate (If applicable) :**

SR.No	Letter No.	Date Approved	Validity	Annual Quantity Approved	Remarks
1					

**1.4.6. Land Acquisition details :**

Total Area acquired/purchased so for	Total Ammount Paid
0.0000	0.0000

**1.4.7. Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace. : Implemented**

## Part 2 : Evaluation Template

### Module I : Managing Impacts At The Mine Level

#### 2.1.1 : Spending Towards SDF

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
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.	Constituted	3	3	<a href="#">OO SDU Central and North Block.pdf</a>

\* Total expenditure incurred for implementation of SDF at mine level including

- 1 Environment Protection,
- 2 Welfare activities in and around peripheral area including CSR

Explanation: Expenditure is not over and above the statutory levies imposed by the Government, However, THIS EXCLUDES CONTRIBUTION TO DMF & NMET .is over and above the statutory levies imposed by the Government.

(Note:

- 1. "Environment Protection" includes all activities undertaken for implementation of proposals as envisaged in PMCP including amelioration measures to contain environmental protection; reclamation and rehabilitation etc excluding welfare activities; CSR etc.
- 2. "Welfare activities in and around peripheral area including CSR" shall include all activities undertaken under Sustainable Mining of Mining Plan)

\* Committed Expenditure for "Welfare activities in and around peripheral area including CSR" shall be kept as Rs 10 per Ton (For Minerals having Rate of Royalty on Ad Valorem Basis) or Rs 5 per T (For minerals having Fixed rate of Royalty) total dispatches subject to a minimum of Rs 1 Lakh for small mines and 5 Lakh for other than small mines, or CSR as per Section 135 of the Companies Act, whichever is higher. Environment Protection Cost shall be the proposed/actual costs spent towards activities undertaken for implementation of proposals as envisaged in PMCP including amelioration measures to contain environmental protection; reclamation and rehabilitation etc excluding welfare activities; CSR etc. Total SDF expenditure shall be a sum of both attributes defined above.

Committed Expenditure (a)	Total Expenditure for SDF implementation (b)
1166.0539	1290.4192

5

5

[SDF- Planatati on and Enviro nment Expense s\\_CNB.pdf](#)



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)	3	3	<a href="#">CSR Commitment CNB.pdf</a>
	443.9292	526.2968			
Reporting of CSR on National CSR Portal <a href="https://www.csr.gov.in">https://www.csr.gov.in</a>	Reported		2	2	

### 2.1.2 : Exploration Activity

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks							
<p>Exploration carried out (as per approved Mining Plan/ Review/ Modification in the Approved Mining Plan for the Reporting Year)</p> <p>Note: "Boreholes and Meterage" to be filled by the leaseholder under this item may be cumulative till the reporting year (in the current Mining Plan proposal period) as there are cases where the proposals are achieved at an early stage. Additional options for Pitting/ Trenching may be provided. Actual exploration shall be primarily measured on the basis of meterage, then secondary consideration shall be total number of boreholes/ Pit/ Trenches, however, Pit/ Trenches shall be considered only for the Small Mines having Surficial Deposits like Bauxite/ Floats etc.</p>	Has the entire potential mineralised area been explored 100% :	10	10								
G Axis area status as on the beginning of RY	<table border="1"> <tr> <td>Area under G1: 1075.7220</td> <td rowspan="4">% age of potential mineralized area explored at G1 level</td> </tr> <tr> <td>Area under G2: 0.0000</td> </tr> <tr> <td>Area under G3: 0.0000</td> </tr> <tr> <td>Area under G4: 0.0000</td> </tr> <tr> <td colspan="2" style="text-align: center;">100.0000</td> </tr> </table>	Area under G1: 1075.7220	% age of potential mineralized area explored at G1 level	Area under G2: 0.0000	Area under G3: 0.0000	Area under G4: 0.0000	100.0000		0	0	Refer Revised Mining Plan
Area under G1: 1075.7220	% age of potential mineralized area explored at G1 level										
Area under G2: 0.0000											
Area under G3: 0.0000											
Area under G4: 0.0000											
100.0000											

G Axis area status as on the end of RY	Non Mineralised Area: 239.5420  Total potential mineralised area : 1075.7220  <hr/> Area under G1: 1075.7220  Area under G2: 0.0000  Area under G3: 0.0000  Area under G4: 0.0000  Non Mineralised Area: 239.5420  Total potential mineralised area : 1075.7220	5	5	Refer Revised Mining Plan
Use of MIS/ GIS/ Mining Planning softwares for optimum resource exploitation	Yes	5	5	Use of SURPAC & AUTOCAD

### 2.1.3 : Mining Operation : Opencast

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored	Remarks
Production of mineral in tonnes mineral wise (Run of Mine)	Proposed	Actual	5	5	Refer Annual Return <a href="#">G-1_CN_2023-24.pdf</a>
	6825000.0000	6397571.0000			
Removal of waste/ over burden in cubic meters	Proposed	Actual	5	5	Refer Annual Return

	400000.0000	400357.5000			
Bench Height	Proposed	Actual	3	3	Refer Annual Return <a href="#">Mine Bench Height_n_Width.pdf</a>
	8.0000	8.0000			
Bench Width	Proposed	Actual	3	3	Refer Annual Return <a href="#">Mine Bench Height_n_Width.pdf</a>
	60.0000	60.0000			
Excavation	As per proposal		3	3	Refer Annual Return & Surface Plan <a href="#">Nalco Area A ll.kmz</a>

Lateral Extent								Vertical Extent (in MRL)	
Proposed				Actual				Proposed	Actual
E/W		N/s		E/W		N/s			
715864.4310	716502.8510	2091113.8990	2091915.8150	715914.4190	716480.0360	2091181.1890	2091915.8150	1155.0000	1155.0000
710062.0000	710583.0000	2082229.0000	2082592.0000	710064.0000	710186.0000	2082234.0000	2082484.0000	1315.0000	1315.0000
710876.0000	711211.0000	2082796.0000	2083075.0000	710876.0000	711211.0000	2082796.0000	2083075.0000	1340.0000	1340.0000

### 2.1.5 : Zero Waste Mining

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
-------------	--	--------------------------	------------------	---------

<p>Alternative use / Disposal as a percentage of total waste generation (excluding top soil)</p> <p>(Note: For underground mines, waste filled underground may be considered under “Alternative use”. Further, permission granted under Rule 12(1)(k) of MCR 2016 may also be allowed to be included under this item.)</p> <p><b>Not Applicable if mine has permission for caving</b></p>	<p>Disposal as minor mineral:</p>	0	0																																	
<p>Waste dumping (Locational aspects may be verified from KML files)</p> <p><b>Not Applicable if mine has permission for caving</b></p>		0	0																																	
<table border="1"> <thead> <tr> <th colspan="4">Proposal</th> <th colspan="4">Actual</th> </tr> <tr> <th colspan="3">Lateral</th> <th>Vertical</th> <th colspan="3">Lateral</th> <th>Vertical</th> </tr> <tr> <th>E/W</th> <th colspan="2">N/S</th> <th></th> <th>E/W</th> <th colspan="2">N/S</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Proposal				Actual				Lateral			Vertical	Lateral			Vertical	E/W	N/S			E/W	N/S										
Proposal				Actual																																
Lateral			Vertical	Lateral			Vertical																													
E/W	N/S			E/W	N/S																															

**2.1.6 : Mineral Conservation**

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks				
<p>Beneficiation practices for ROM/mineral reject / subgrade</p> <p><b>Not Applicable</b></p>		0	0					
<p>Blending of mineral reject / sub-grade</p> <p><b>Not Applicable</b></p>	<table border="1"> <tr> <td>Quantity blended</td> <td>Total mineral reject</td> </tr> <tr> <td></td> <td></td> </tr> </table>	Quantity blended	Total mineral reject			0	0	
Quantity blended	Total mineral reject							

Separate stacking of mineral rejects/ subgrade mineral in earmarked area						0	0			
<b>Not Applicable</b>										
Proposed					Actual					
#	E/W		N/s		Quantity	E/W		N/s		Quantity
1	0	0	0	0	0	0	0	0	0	0

### 2.1.7 : Environment Compliances

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored	Remarks
Topsoil utilisation/stacking	Utilized		5	5	<a href="#">Top soil utilisation 2023-24.pdf</a>
Construction or maintenance of check dams <b>Not Applicable</b>	Proposed	Achievement(%)	0	0	
	0.0000	0.0000			
Construction or maintenance of garland drains <b>Not Applicable</b>			0	0	
Construction or maintenance of retaining walls <b>Not Applicable</b>	Proposed	Achievement(%)	0	0	
	0.0000	0.0000			
Tailings disposal (applicable if beneficiation facility exists)	Conventional disposal methods		0	0	

Not Applicable												
Tailings Utilization (%age) Not Applicable	No Utilization			0	0							
Dust suppression measures undertaken in mining operation	<table border="1"> <tr> <td>Water sprinkling on haulage road</td> <td>Wet drilling/Dust collector</td> <td>Water mist spray at crusher</td> <td>Covering of inactive dumps by geotextiles/plantation etc.</td> </tr> <tr> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> </table>	Water sprinkling on haulage road	Wet drilling/Dust collector	Water mist spray at crusher	Covering of inactive dumps by geotextiles/plantation etc.	Yes	Yes	Yes	Yes	4	4	<a href="#">Dust Suppression measures 2023-24.pdf</a>
Water sprinkling on haulage road	Wet drilling/Dust collector	Water mist spray at crusher	Covering of inactive dumps by geotextiles/plantation etc.									
Yes	Yes	Yes	Yes									
Disposal of used oil, lubricants through authorized vendors.	Yes			1	1	<a href="#">Disposal of used oil, lubricants through authorized vendors.pdf</a>						

### 2.1.8 : Ground Water Monitoring

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Central Ground Water Authority NOC obtained <b>Not Applicable</b>	Whether CGWA NOC obtained as per the Guidelines or not for abstraction of groundwater	0	0	
Monitoring of Ground water as per CGWA NOC	Monitoring mechanism	1	1	<a href="#">Monitoring of Ground water Mechanism and result.pdf</a>

Ground Water Quality status (with reference to CGWA/ CGWB/ CPCB parameters)	Details about the GW Quality assessment <b>Within permissible limits</b>	2	2	<a href="#">Ground_water_monitoring_CN.pdf</a>
---	---	---	---	--

### 2.1.9 : Water Usage

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Use of mine Water consumption pattern, if applicable <b>Not Applicable</b>	Usage of mine water by proper treatment and use for: <b>Discharge without treatment</b>	0	0	
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  <b>147000000.0000 Litre</b> <b>285968160.0000 Litre</b>	5	5	Recycled water is used for dust suppression against the total water drawn for Domestic use, as the industrial used water can not be recycled. <a href="#">Water consumption &amp; Recycled CNB 2023-24.pdf</a>
Innovative approach to save and conserve water in the process (Reduction of pumping with use of technology for mining and water management to minimize and mitigate the adverse impact on ground water, based on local conditions)	Zero leakage/ water loss in water pipelines, storage tanks and water use processes <b>Yes</b>	2	2	<a href="#">Salient points on Water conservation.pdf</a>
	Drip irrigation or other conservation techniques <b>Yes</b>	2	2	<a href="#">Salient points on Water conservation.pdf</a>

**2.1.10 : Environmental Monitoring**

Environmental Monitoring Standards	Core Zone	Buffer Zone	Applicable Max Points	Points scored	Remarks
a) Ambient Air Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	Standard Norms is attached herewith <a href="#">AAQ Norm and Result.pdf</a>
	PM2.5,PM10	PM2.5,PM10			
b) Surface Water Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	Standard Norms is attached herewith <a href="#">Surface Water Quality Norm &amp; Result.pdf</a>
	DO:4	DO:4			
c) Ground Water Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	Standard Norms is attached herewith <a href="#">Ground Water Quality Norm &amp; Result.pdf</a>
	pH: 6.5-8.5	pH: 6.5-8.5			
d) Noise Level Standards laid down by DGMS	Within Limit	Within Limit	3	3	Standard Norms is attached herewith <a href="#">Noise Level Norm &amp; Result.pdf</a>
	Day time: 75 and Night time:70	Day time: 75 and Night time:70			



e) Ground Vibration Standards laid down by DGMS	Within Limit	Within Limit	3	3	Within limit <a href="#">Scientific Study report by NIT_RKL.pdf</a>
	10mm/sec	10mm/sec			

### 2.1.11 : Green Energy Sourcing & Climate Change Initiatives

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Total Energy requirement in KWH Sourced from Green /renewable sources	13356284.0000 663176.0000	4	0	<a href="#">Green Energy Sources.pdf</a>
Implementing recommendations of Energy Audit in mining, ore processing etc. as per provisions of Energy Conservation Act, 2001	Yes	1	1	Complied <a href="#">Last Energy Audit Report and its compliance.pdf</a>

Use of sensors and low energy consumption devices	Yes	2	2	<p>1. Use of BEE 5 star rated air conditioners and 5 star BLDC ceiling fans &amp; other equipment. 2. Use of complete energy efficient LED based lighting system with astro-timer control 3. Use of Energy efficient motors and VFDs for variable torque applications. 4. Use of Water level monitoring systems &amp; link with pump operation. 5. Use of Occupancy sensors for controlling wastage of electricity.</p> <p><a href="#">Supportign docs for Innovations in energy saving.pdf</a></p>
Innovation in energy saving				

Conservation of Fuel	Yes	2	2	Various HSD saving measures is undertaken in Mines. <a href="#">Cost Reduction Projects 5 star rating IBM.pdf</a>
Conservation through other technical intervention. Please list.	Yes	2	2	1. Use of programmable dimmable LED drivers for customized & need based lighting. 2. Use of IT based virtual meeting & e-file for saving in fuel and increase in efficiency.

#### 2.1.12 : Compliance Status

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored	Remarks
	Total no. of violations pointed out	Violations complied with			
Violations pointed out by IBM	8.0000	8.0000	8	6	Violations raised by IBM are complied. <a href="#">Compliance to IBM Violation_181223.pdf</a>

**Note:** Proposal and achivement coloumns are with respect to the reporting year.

Summary of Points obtained in Module-I	Module-I Applicable Maximum Points(1)	Module-I Points Scored(i)
Only Opencast	<b>19</b>	<b>19</b>

Final Submitted

**Module II : Final/ Progressive Mine Closure & Landscape Restoration**

**2.2.1 : Particulars**

Particulars	Details (To be filled up by Lessee)			Applicable Max Points	Points scored	Remarks
1) Backfilling as per approved Mining Plan Backfilling Area (Ha.)	Proposed	Actual	Percentage (%)	3	3	<a href="#">Backfilled area as per Plan.pdf</a>
	16.2800	16.3000	100.1229			
2) Water Reservoir, ground water recharge, and pisciculture, if applicable Area under water reservoir	Proposed	Actual	Percentage (%)	5	5	0.6 Ha area is created as water reservoir in Mines <a href="#">New Water Reservoir.pdf</a>
	0.6000	0.6000	100.0000			
2(a) Efforts towards Rainwater (RW) Harvesting, Groundwater (GW) Recharging and artificial recharge measures for groundwater recharge Details	GW Proposed	GW Actual	Reason	3	3	Ground water recharge pits have been made to collect the surface run off water for ground water recharge. Roof top rain water collection pits have also been made in mines office buildings for ground water recharge. <a href="#">Rain water harvesting at Mine.pdf</a>
	1.0000	1.0000	Rain Water harvesting with GW recharging			
	Harvesting Proposed	Harvesting Actual				

Plantation over backfilled area	<table border="1"> <thead> <tr> <th data-bbox="1124 165 1421 302">Proposal (in sq. meter)</th> <th data-bbox="1421 165 1721 302">Actual (in sq. meter)</th> <th data-bbox="1721 165 2021 302">Achivement (%)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1124 302 1421 396">135000.0000</td> <td data-bbox="1421 302 1721 396">135300.0000</td> <td data-bbox="1721 302 2021 396">100.2222</td> </tr> </tbody> </table>	Proposal (in sq. meter)	Actual (in sq. meter)	Achivement (%)	135000.0000	135300.0000	100.2222	3	3	Plantation for the year 2023-24 is 39900. <a href="#">Plantation over backfilled area.pdf</a>
Proposal (in sq. meter)	Actual (in sq. meter)	Achivement (%)								
135000.0000	135300.0000	100.2222								
Plantation over dump area  <b>Not Applicable</b>	<table border="1"> <tbody> <tr> <td data-bbox="1124 520 1421 615">0.0000</td> <td data-bbox="1421 520 1721 615">0.0000</td> <td data-bbox="1721 520 2021 615">0.0000</td> </tr> </tbody> </table>	0.0000	0.0000	0.0000	0	0				
0.0000	0.0000	0.0000								
Plantation over virgin area(Green belt development)	<table border="1"> <tbody> <tr> <td data-bbox="1124 705 1421 800">7000.0000</td> <td data-bbox="1421 705 1721 800">7580.0000</td> <td data-bbox="1721 705 2021 800">108.2857</td> </tr> </tbody> </table>	7000.0000	7580.0000	108.2857	3	3	Plantation is carried out over safety zone and outside the lease area near Putraghati. <a href="#">AFFORESTATION ACTIVITIES.pdf</a>			
7000.0000	7580.0000	108.2857								
Agroforestry Area	Yes	2	2	5500 Nos of Fruit bearing saplings has been distributed amongst periphery villagers for agro-forest development. <a href="#">Seedling Distribution.pdf</a>						

<p>3 (a) Efforts for faster restoration          Details * (Soil- moisture conservation, fencing of area, drip irrigation, etc.)</p>	<p>Yes</p>	<p>2</p>	<p>2</p>	<p>Rice husk and rice straw has been used in back filled area to conserve the soil moisture. Developed a green fencing with trees along the safety barriers and hill slope. Also Fencing has been done in Panchpatmali Udyan near FMG area. The miyawaki gardens is also under progress in Panchpatmali Udyan.  <a href="#">Efforts for faster restoration.pdf</a></p>
<p>3 (b) Treatment of problematic soils, if applicable          Details * (Treatment with soil amendments, manuring, bio fertilizers etc. )</p>	<p>Yes</p>	<p>2</p>	<p>2</p>	<p>Used farm yard manure and mycorrhiza bio-fertilizers in back filled area for improving the soil texture.  <a href="#">Treatment of Problematic Soil.pdf</a></p>

<p>4) Creation of Eco tourism/ recreational facility if applicable Area reshaped by pitching &amp; recontouring</p>	<table border="1"> <tr> <th data-bbox="1124 165 1573 260">Proposed</th> <th data-bbox="1573 165 2021 260">Actual</th> </tr> <tr> <td data-bbox="1124 260 1573 354">5.0000</td> <td data-bbox="1573 260 2021 354">7.2000</td> </tr> </table>	Proposed	Actual	5.0000	7.2000	2	2	<p>Developed one rock garden near CISF main gate and one butterfly garden to encourage the eco-tourism. Also a high altitude full fledged nursery has been established in an extent of 3.0 Acre with capacity of raising of 2 lakhs seedlings every year.</p> <p><a href="#">Eco-Tourism-Rock Garden-Butter fly Garden-Nursery.pdf</a></p>
Proposed	Actual							
5.0000	7.2000							
<p>5) Dump area stabilisation and development, if applicable Area covered by Geo textiles or similar techniques in Ha</p> <p><b>Not Applicable</b></p>	<table border="1"> <tr> <th data-bbox="1124 1262 1573 1356">Proposed</th> <th data-bbox="1573 1262 2021 1356">Actual</th> </tr> <tr> <td data-bbox="1124 1356 1573 1451">0.0000</td> <td data-bbox="1573 1356 2021 1451">0.0000</td> </tr> </table>	Proposed	Actual	0.0000	0.0000	0	0	
Proposed	Actual							
0.0000	0.0000							
<p>Summary of Points obtained in Module-II</p>		<p>Module-I Applicable Maximum Points(3)</p> <p><b>25</b></p>		<p>Module-I Points Scored(iii)</p> <p><b>25</b></p>				



### Module III : Addressing Social Impacts Of R&R Requirements, Community Engagement & Welfare Programmes

#### 2.3.1 : Rehabilitation & Resettlement for Project Affected People

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
No. of Project Affected People (PAP) as per approved EIA-EMP / SIA-SMP/ R&R , if applicable	0.0000			
% of PAP for whom alternate arrangements made for sustained livelihood (Indirect employment/Created source of income other than direct employment) <b>Not Applicable</b>	0.0000	3	0	
% of project affected families given employment (Direct Employment) <b>Not Applicable</b>	0.0000	0	0	
% of project affected families who have been skilled by the lessee and absorbed (% of total employment given to affected families by imparting training for becoming electrician, mechanic, tailoring) <b>Not Applicable</b>	0.0000	0	0	
<b>*PAP - Indicates the persons who have been displaced due to land aquisition for mining lease.</b>				

#### 2.3.2 : Grievance Redressal

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks

Whether a public grievance redressal mechanism is in place	Yes	1	1	<a href="#">Grievance Handling Committee.pdf</a>
Name, Address and Phone no./Email of Committee Members responsible displayed publicly	Yes	1	1	<a href="#">Grievance Handling Committee.pdf</a>

### 2.3.3 Stakeholder Participation

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Participation of stakeholders, host communities and community groups in various activities of the companies such as Environment Management, CSR activities and Capacity expansion plans	Yes	3	3	Safety week, MEMC week, World Environment day, SGAT programme, Van Mahostav programme have been conducted every year in our Mines for environmental awareness amongst stakeholders. Fruit bearing saplings has been distributed amongst periphery villagers for agro forest

Final Submitted

development.  
Employee retirement plantation programme has been conducted for each retiring employee in side the Panchpatmali Udyan.  
Swachhata Pokhwada programmes have been conducted among the periphery villagers and employee for cleanliness awareness.  
Sanitary pads have been distributed in nearby villages and awareness programme has also been conducted to improve hygiene among the women.  
[Stakeholder Participation2023.pdf](#)

**2.3.4 Support for Drinking Water & Agriculture**

Particulars	Details (To be filled up by Lessee)	No. of Benefic iaries	Applicable Max Points	Points scored	Remarks						
Water storage tanks, drinking water supply facility & irrigation support to agriculture	<table border="1"> <thead> <tr> <th data-bbox="1041 348 1448 443">Proposed Exp(in Lakhs)</th> <th data-bbox="1448 348 1855 443">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1041 443 1448 537">1.1960</td> <td data-bbox="1448 443 1855 537">1.1960</td> </tr> <tr> <td data-bbox="1041 537 1448 621">2 VILLAGEs</td> <td data-bbox="1448 537 1855 621">2 VILLAGEs</td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	1.1960	1.1960	2 VILLAGEs	2 VILLAGEs	500	3	3	Drinking water has been supplied to nearby villages. Existing spring water is channelized to nearby paddy fields for agriculture purposes. <a href="#">Support to drinking water &amp; Agriculture.pdf</a>
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)										
1.1960	1.1960										
2 VILLAGEs	2 VILLAGEs										

### 2.3.5 Support to Health & Medical Services

Welfare and socio-economic development programs for local communities	Details of Expenditure & Work done during Reporting Year	No. of Benefic iaries	Applicable Max Points	Points scored	Remarks

Preventive measures for mitigation of mine related health problems	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	51884	3	3	<p>1. Operation of Medical Health Unit (MHU) at peripheral villages of Damanjodi,</p> <p>2. Providing Mobile Health Unit (MHU) service in Pottangi periphery villages,</p> <p>3. Financial Support towards Development of Community Health Centre (CHC) at Mathalput, Damanjodi &amp; Koraput</p> <p><a href="#">Preventive measures for mitigation of mine related health problems.pdf</a></p>
	190.9940	190.9940				
	Health and Nutrition	Health and Nutrition				

Promotion of Hygiene and Sanitation, public health initiatives	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	3267	3	3	1. Operation of Medical Health Unit (MHU) at peripheral villages of Damanjodi, 2.Providing Mobile Health Unit (MHU) service in Pottangi periphery villages, 3.Financial Support towards Development of Community Health Centre (CHC) at Mathalput, Damanjodi & Koraput <a href="#">Preventive measures for mitigation of mine related health problems.pdf</a>
	69.5494	69.5494				
	Financial Support towards Health Care and related infrastructure development of CHCs at Pottangi and surrounding areas.	Financial Support towards Health Care and related infrastructure development of CHCs at Pottangi and surrounding areas.				

### 2.3.6 Support to Skill Development & Education

Welfare and socio-economic development programs for local communities	Details of Expenditure & Work done during Reporting Year	No. of Beneficiaries	Applicable Max Points	Points scored	Remarks

<p>Skill development &amp; Vocational Training programmes for local communities</p>	<table border="1"> <thead> <tr> <th data-bbox="1041 163 1448 258">Proposed Exp(in Lakhs)</th> <th data-bbox="1448 163 1855 258">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1041 258 1448 485"> <p>11.1546</p> <p>Sponsoring students for ITI &amp; Diploma courses</p> </td> <td data-bbox="1448 258 1855 485"> <p>11.1546</p> <p>Sponsoring students for ITI &amp; Diploma courses</p> </td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	<p>11.1546</p> <p>Sponsoring students for ITI &amp; Diploma courses</p>	<p>11.1546</p> <p>Sponsoring students for ITI &amp; Diploma courses</p>	<p>350</p>	<p>3</p>	<p>3</p>	<p>Supporting residential education to poor backward &amp; tribal children from periphery villages of M &amp; R Complex, Damanjodi &amp; Pottangi up to class-X. The project includes reimbursement of travel expenses to KISS sponsored students, intearaction programme &amp; supporting for education beyond class X includinf ITI &amp; Diploma courses.</p>
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)								
<p>11.1546</p> <p>Sponsoring students for ITI &amp; Diploma courses</p>	<p>11.1546</p> <p>Sponsoring students for ITI &amp; Diploma courses</p>								

Promotion of Literacy & Education	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	1537	3	3	1. Transportation facility of students of Odisha Adarsh Vidyalay (OAV), Kotia, Koraput, 2. Expenditure towards imparting education to periphery students other than Nalco Employee's dependents in Odiya Medium Schools (Saraswati Vidya Mandir) in Damanjodi.
	241.4457	241.4457				
	Supporting residential education to poor and backward students	Supporting residential education to poor and backward students				

### 2.3.7 Social & Livelihood Support

Welfare and socio-economic development programs for local communities	Details of Expenditure & Work done during Reporting Year	No. of Beneficiaries	Applicable Max Points	Points scored	Remarks



Support to social, cultural, recreational activities	<table border="1"> <thead> <tr> <th data-bbox="1047 170 1448 260">Proposed Exp(in Lakhs)</th> <th data-bbox="1457 170 1857 260">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1047 266 1448 357">7.9712</td> <td data-bbox="1457 266 1857 357">7.9712</td> </tr> <tr> <td data-bbox="1047 363 1448 562">Assistance to Koraput-Parab and Panchpattamali Natya Mahotsab</td> <td data-bbox="1457 363 1857 562">Assistance to Koraput-Parab and Panchpattamali Natya Mahotsab</td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	7.9712	7.9712	Assistance to Koraput-Parab and Panchpattamali Natya Mahotsab	Assistance to Koraput-Parab and Panchpattamali Natya Mahotsab	73512	2	2	<p>1. Financial Support towards organising Panchpattamali Natya Mahotsab, Damanlodi, 2. Financial Assistance towards organization of 26th State Level Tribal Festival, Koraput (PARAB-2023)</p> <p><a href="#">Support to social, cultural, recreational activities.pdf</a></p>
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)										
7.9712	7.9712										
Assistance to Koraput-Parab and Panchpattamali Natya Mahotsab	Assistance to Koraput-Parab and Panchpattamali Natya Mahotsab										
Livelihood & Socio-Economic standard improvement support	<table border="1"> <thead> <tr> <th data-bbox="1047 1188 1448 1278">Proposed Exp(in Lakhs)</th> <th data-bbox="1457 1188 1857 1278">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1047 1285 1448 1375">1.9928</td> <td data-bbox="1457 1285 1857 1375">1.9928</td> </tr> <tr> <td data-bbox="1047 1381 1448 1476">Promotion of Jackfruit chips making</td> <td data-bbox="1457 1381 1857 1476">Promotion of Jackfruit chips making</td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	1.9928	1.9928	Promotion of Jackfruit chips making	Promotion of Jackfruit chips making	72	3	3	<p>Promotion of livelihood through Jackfruit Value addition in selected priority villages of NALCO, Damajodi.</p> <p><a href="#">Livelihood &amp; Socio-Economic standard improvement support.pdf</a></p>
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)										
1.9928	1.9928										
Promotion of Jackfruit chips making	Promotion of Jackfruit chips making										

### 2.3.8 Support to Transportation Services & Infrastructure

Welfare and socio-economic development programs for local communities	Details of Expenditure & Work done during Reporting Year		No. of Beneficiaries	Applicable Max Points	Points scored	Remarks
Improvement of Road connectivity and public transport and other infrastructure facilities	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	2000	2	2	Morum road is developed from MRS to Lachhamani village. Provide transport facilities to contract workers and periphery villagers every day. <a href="#">Improvement of Road connectivity and public transport.pdf</a>
	40.0000	132.2856				
	Gravel road is developed from MRS to Lachhamani village in 2023-24	Gravel road is developed from MRS to Lachhamani village in 2023-24				

### 2.3.9 Sourcing of Manpower Amongst Locals (from the State) in The Mines

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored	Remarks
Total Local Manpower (% of total manpower)	Total local man power	Total man power	3	3	<a href="#">HRD Data Local Employee-CNB-2023-24.pdf</a>
	830.0000	1116.0000			
Skilled local manpower (% of total local manpower)	Total local man power	Total man power	3	3	
	415.0000	701.0000			

Unskilled local manpower (% of total local manpower)	Total local man power	Total man power	3	3	
	415.0000	415.0000			
Working in LWE affected districts (as per NITI Aayog list)			2	2	
Working in Schedule V / Tribal area	Yes		3	3	

**2.3.10 Swatchata Programs: Creating/providing sanitation and healthy condition in and around the mine area**

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Voluntary Adoption of Village for Health, Sanitation, Literacy (including Computer Literacy) & Infrastructure Support Programs:	<b>All Four Identified Programs are conducted/ Support provided to the local community.</b>	10	10	

<p>General Cleanliness of mines area (Mine working faces, dump areas, roads)</p>	<p><b>Excellent</b></p>	<p>3</p>	<p>3</p>	<p>A contract "Sanitation and Conservancy works, Handling and disposal of canteen solid waste and De-chocking of sewerage line at NALCO Mines, Damanjodi" is in place of an amount of Rs 95,96,238.14 excl. GST.  <a href="#">General Cleanliness of mines area.pdf</a></p>
<p>Cleanliness of workshop/Mines Office area</p>	<p><b>Excellent</b></p>	<p>3</p>	<p>3</p>	<p>A contract "Sanitation and Conservancy works, Handling and disposal of canteen solid waste and De-chocking of sewerage line at NALCO Mines, Damanjodi" is in place of an amount of Rs 95,96,238.14 excl. GST.  <a href="#">General Cleanliness of mines area.pdf</a></p>

Garbage collection and appropriate disposal	Yes	3	3	A contract "Sanitation and Conservancy works, Handling and disposal of canteen solid waste and De-chocking of sewerage line at NALCO Mines, Damanjodi" is in place of an amount of Rs 95,96,238.14 excl. GST. <a href="#">General Cleanliness of mines area.pdf</a>
Providing drinking water for mining workers	Yes	2	2	<a href="#">General Cleanliness of mines area.pdf</a>
Provision for greenage recreational facility	Yes	2	2	<a href="#">Eco-Tourism-Rock Garden-Butter fly Garden-Nursery.pdf</a>
Awareness program among Mine workers for Swachhata	Yes	2	2	<a href="#">Swachhta Report 2023-24.pdf</a>

Summary of Points obtained in Module-III	Module-I Applicable Maximum Points(2)	Module-I Points Scored(ii)
66	66	

Final Submitted

## Module IV : Assurance And Reporting

### 2.4.1 : Lease Level Reporting - Disclosures and Assurances

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Availability of information on SDF and related Reports on Company's/Mine website/ Public Display at mine site	Yes	3	3	Refer Annual Report of Nalco
Display of ambient air quality level on website and at prominent locations such as premises gate, mine-office, etc.	Yes	2	2	<a href="#">Air Quality Data Display.pdf</a>
Internal auditing for information submitted.	Yes	3	3	<a href="#">28th IMS internal audit schedule Feb 2024.pdf</a>

### 2.4.2 : Adoption of Related International Standards

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
QMS (ISO_9001)	Yes	3	3	<a href="#">QMS certificate.pdf</a>
EMS (ISO-14001)	Yes	3	3	<a href="#">EMS 14001 certificate.pdf</a>

OHSAS (ISO-18001) or ISO 45001	Yes	3	3	<a href="#">OH&amp;S 45001 certificate.pdf</a>
Swachata Report	Yes	2	2	<a href="#">Swachhta Report_2023-24.pdf</a>

Summary of Points obtained in Module-IV	Module-I Applicable Maximum Points(4)	Module-I Points Scored(iv)
	<b>19</b>	<b>19</b>

• **OVERALL PERFORMANCE & STAR RATING**

Module	Sum of Applicable Maximum Points in all Modules (a)	Applicants Ratings	
		Sum of Points Scored in all Modules (b)	Percentage (b/a)*100
Subtotal Module I	108	102	94.44%
Subtotal Module II	25	25	100.00%
Subtotal Module III	66	66	100.00%
Subtotal Module IV	19	19	100.00%
Overall	218	212	97.25%
% Obtained	97.25 %		
☆ Star Rating	★★★★★ 5 Star		



**Criteria for Star Rating :**

<b>Percentage obtained</b>	<b>Criteria</b>
=> 90 %	5 Star
=> 80 to < 90 %	4 Star
=> 60 to < 80 %	3 Star
=> 50 to < 60 %	2 Star
=> 25 to < 50 %	1 Star
< 25	No Rating

**Certificate**

I **AJAYA CHOUDHURY**, S/o **Pankaj Choudhury** Designation **Lease Secondary** am authorized to fill and submit this document on behalf of lessee. It is further certified that all the above furnished information is true to the best of my knowledge and based on records.

**Date:**

**Lessee/Authorized person by lessee**

**Place:**

**(Name)**

**Final Submitted**