

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): 2024 - 2025

ASSESSMENT YEAR(AY): 2025 - 2026

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														
Total Lease Area (ha) : <ul style="list-style-type: none">(i) Forest Land (Ha)(ii) Private Land (ha)(iii) Revenue land (ha)(iv) Others, if any(Specify)	1315.264 <ul style="list-style-type: none">1294.28300.000020.98100.0000														
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) :	69.611564														
Resources as on End of the reporting year. In million tonnes :	81.785964														
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) :															
<table><tr><th>SR.No</th><th>Name</th><th>Designation</th><th>Contact Number</th></tr><tr><td>1</td><td>Shri P Mohanta</td><td>GGM (Mines)</td><td>9437104164</td></tr><tr><td>2</td><td>Shri N K Jena</td><td>GGM (O&M)</td><td>9437966673</td></tr></table>				SR.No	Name	Designation	Contact Number	1	Shri P Mohanta	GGM (Mines)	9437104164	2	Shri N K Jena	GGM (O&M)	9437966673
SR.No	Name	Designation	Contact Number												
1	Shri P Mohanta	GGM (Mines)	9437104164												
2	Shri N K Jena	GGM (O&M)	9437966673												

3	Shri A Choudhury	GM (Mines)-CNB	9437035130
4	Shri R J Vinchurkar	GM (Mines)-SB	9437495139
5	Shri S K Mohapatra	GM (H&A)	7978174912
6	Shri M M Mishra	GM (Finance)	9437167616
7	Shri N S Sudhakar	GM (Electrical)	9437028234
8	Shri M R Panda	GM (Mechanical)-C&C	9437181172
9	Shri S C Mishra	GM (Mat)	9437124380
10	Shri R K Brahma	DGM (Mechanical)-HEMM	9437483270
11	Shri H K Bhagwani	DGM (Electrical)	9437960223
12	Shri D R Behera	DGM (System)	9437054733
13	Shri A Basu	DGM (Civil)	9437035207
14	Shri B C Mohanty	AGM (Mining)-CNB	9437201468
15	Shri R B Singh	AGM (Mining)-SB	9437577241
16	Shri A K Parida	AGM (Mining)-Safety	9437091988
17	Shri M K Sahoo	AGM (Geology)	9438120989
18	Shri S R Pattnaik	SM (Geology)-Env	9438006907
19	Shri D K Sahu	SM (Mining)-Survey	9437113170

Production during reporting year(Tonnes) :

6111465.000000

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

NIL

if any. :

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	645.1100	622.7700	22.3400	645.1100	As per approved Mining plan and Annual Return data Land use area utilisation 24-25-DKS mail 14052025.pdf
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 area
4	Mineral Storage	1.3100	1.3100	0.0000	1.3100	Near MRS stock pile
5	Infrastructure (Workshop,administrative building etc.)	102.5600	102.5600	0.0000	102.5600	Nil
6	Roads	0.0000	0.0000	0.0000	0.0000	
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	752.5500	730.2100	22.3400	752.5500	Land use area utilisation 24-25-DKS mail 1 4052025.pdf
13	Excavated area reclaimed	426.8000	412.2000	14.6000	426.8000	Plantation area for 2024-25
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	1793315294.0000	Paid for current year and paid towards past arrears G-1 IBM CN 24-25.pdf
2	Contribution to DMF	537994588.0000	Paid for current year and paid towards past arrears
3	Contribution to NMET	35866306.0000	Paid for current year and paid towards past arrears
4	Amount Paid towards despatch sharing in Auction cases	0.0000	NIL
5	Total of other cess or taxes paid to Government,in addition to above	7887648.0000	Surface rent paid + Compensation towards tree felling + User fee to DDM for despatch of ore

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	6825000.0000 Ton	EC_NCB.pdf
2	1.4.2. SPCB Approvals : (i) Consent to Establish	16213/IND-II-NOC-5666	2013-09-04	2032-11-16	6825000.0000 Ton	Consent to establish-04092013.pdf
3	1.4.2. SPCB Approvals : (ii) Consent to Operate	5061/IND-I-CON-92	2024-04-04	2026-03-31	6825000.0000 Ton	CTO_-C&N.pdf

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)	2014-09-15	2032-11-16	1294.2830	FC_C&NB.pdf

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
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0.0000	0.0000
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1.4.7. Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace. : Implemented

Final Submitted

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	Constituted OO_SDU_CN B_SB_2005202 5.pdf

<p>* Total expenditure incurred for implementation of SDF at mine level including</p> <p>1 Environment Protection, 2.Welfare activities in and around peripheral area including CSR</p> <p>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.</p> <p>(Note:</p> <p>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.</p> <p>2:“Welfare activities in and around peripheral area including CSR” shall include all activities undertaken under Sustainable Mining of Mining Plan)</p> <p>* 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 Valorum 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.</p>	<table><tr><th>Committed Expenditure (a)</th><th>Total Expenditure for SDF implementation (b)</th></tr><tr><td>2445.9945</td><td>2663.9471</td></tr></table>	Committed Expenditure (a)	Total Expenditure for SDF implementation (b)	2445.9945	2663.9471	5	5	<p>Commitment: 2445.9945 Lakh Actual Expenditure: 2663.94705 Lakh</p> <p>SDF Expenditure Commitment Vs Actual CNB_2024-25.pdf</p>
Committed Expenditure (a)	Total Expenditure for SDF implementation (b)							
2445.9945	2663.9471							

CSR (Corporate Social Responsibility) spending at the mine level in Reporting Year (as per Companies Act, 2013 or otherwise)	<table><tr><td>Committed (in Lakhs)</td><td>Utilised (in Lakhs)</td></tr><tr><td>535.6118</td><td>1834.8480</td></tr></table>	Committed (in Lakhs)	Utilised (in Lakhs)	535.6118	1834.8480	3	6	Committed: 535.61184 Lakh Utilised: 1834.848 Lakh Calculated as per proportionate basis considering the NALCO CSR data CSR Commitment Vs Utilised CNB 2024-25.pdf
Committed (in Lakhs)	Utilised (in Lakhs)							
535.6118	1834.8480							
Reporting of CSR on National CSR Portal https://www.csr.gov.in	Reported	2	2	Reported in Nalco's website				

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>	<p>Has the entire potential mineralised area been explored 100% :</p> <table><tr><td></td><td>Proposed</td><td>Achieved</td></tr><tr><td>Boreholes:</td><td>63.0000</td><td>63.0000</td></tr><tr><td>Meterage:</td><td>1388.9300</td><td>1388.9300</td></tr></table>		Proposed	Achieved	Boreholes:	63.0000	63.0000	Meterage:	1388.9300	1388.9300	10	10	As per approved mining plan
	Proposed	Achieved											
Boreholes:	63.0000	63.0000											
Meterage:	1388.9300	1388.9300											

G Axis area status as on the beginning of RY	Area under G1: 1075.7220	% age of potential mineralized area explored at G1 level	0	0	As per approved mining plan
G Axis area status as on the end of RY	Area under G2: 0.0000		5	5	As per approved mining plan
	Area under G3: 0.0000	100.0000			
	Area under G4: 0.0000				
	Non Mineralised Area: 239.5420				
	Total potential mineralised area : 1075.7220				
	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				

Use of MIS/ GIS/ Mining Planning softwares for optimum resource exploitation	Yes	5	5	Use of SURPAC & AUTOCAD software for mine planning leading for optimum resource exploitation or utilization.
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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	4	Attached Annual Return G1 for FY 2024-25
	6825000.0000	6111465.0000			
Removal of waste/ over burden in cubic meters	Proposed	Actual	5	5	Attached Annual Return G1 for FY 2024-25
	387500.0000	379652.5000			
Bench Height	Proposed	Actual	3	3	Attached Annual Return G1 for FY 2024-25
	8.0000	8.0000			

Bench Width					Proposed		Actual		3	3	Attached Annual Return G1 for FY 2024-25
					60.0000		60.0000				
Excavation					As per proposal				3	3	Attached Annual Return G1 for FY 2024-25
Lateral Extent								Vertical Extent (in MRL)			
Proposed				Actual				Proposed	Actual		
E/W		N/s		E/W		N/s					
715763.0000	716326.0000	2091668.0000	2092146.0000	715834.2550	716500.0000	2091226.7430	2092081.4960	1170.0000	1170.0000		
710249.0000	710696.0000	2082390.0000	2082676.0000	710225.0000	710682.0000	2082387.0000	2082660.0000	1320.0000	1320.0000		
710946.0000	711354.0000	2082690.0000	2083105.0000	710946.0000	711319.0000	9999999.9999	2083083.0000	1340.0000	1340.0000		
712281.0000	712406.0000	2085039.0000	2085302.0000	712280.0000	712406.0000	2085039.0000	2085302.0000	1250.0000	1250.0000		

2.1.5 : Zero Waste Mining

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

<div>Alternative use / Disposal as a percentage of total waste generation (excluding top soil)</div> <div>(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.)</div> <div>Not Applicable if mine has permission for caving</div>	Disposal as minor mineral:		0	0																																		
<div>Waste dumping</div> <div>(Locational aspects may be verified from KML files)</div> <div>Not Applicable if mine has permission for caving</div>			0	0																																		
<table><tr><th colspan="4">Proposal</th><th colspan="4">Actual</th></tr><tr><th colspan="3">Lateral</th><th rowspan="2">Vertical</th><th colspan="3">Lateral</th><th rowspan="2">Vertical</th></tr><tr><th colspan="2">E/W</th><th colspan="2">N/S</th><th colspan="2">E/W</th><th colspan="2">N/S</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></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				
Beneficiation practices for ROM/mineral reject / subgrade Not Applicable			0	0					
Blending of mineral reject / sub-grade Not Applicable	<table><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	
Not Applicable										
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	65015 CuM Top soil is generated during the FY 2024-25 and utilized for reclamation purpose.				
Construction or maintenance of check dams Not Applicable	<table><tr><td>Proposed</td><td>Achievement(%)</td></tr><tr><td>0.0000</td><td>0.0000</td></tr></table>		Proposed	Achievement(%)	0.0000	0.0000	0	0	
Proposed	Achievement(%)								
0.0000	0.0000								
Construction or maintenance of garland drains	Proposed (in meters)	Achieved (in meteres)	1	1	Garland drains are maintained around the working faces				
	As per proposal								

	<table><tr><td>Proposed</td><td>Actual</td></tr><tr><td>36.0000</td><td>50.0000</td></tr></table>	Proposed	Actual	36.0000	50.0000							
Proposed	Actual											
36.0000	50.0000											
Construction or maintenance of retaining walls Not Applicable	<table><tr><td>Proposed</td><td>Achievement(%)</td></tr><tr><td>0.0000</td><td>0.0000</td></tr></table>	Proposed	Achievement(%)	0.0000	0.0000	0	0					
Proposed	Achievement(%)											
0.0000	0.0000											
Tailings disposal (applicable if beneficiation facility exists) Not Applicable	Conventional disposal methods	0	0									
Tailings Utilization (%age) Not Applicable	No Utilization	0	0									
Dust suppression measures undertaken in mining operation	<table><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	5 no of mobile water sprinkler are used for dust suppression in mine faces and haul roads Dust suppression measures undertaken in mining operation.pdf
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	Disposal of used oil.pdf								

2.1.8 : Ground Water Monitoring

Particulars	Details	Applicable	Points	Remarks
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	(To be filled up by Lessee)	Max Points	scored	
Central Ground Water Authority NOC obtained Not Applicable	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	Mechanism for Monitoring of Ground water and result.pdf
Ground Water Quality status (with reference to CGWA/ CGWB/ CPCB parameters)	Details about the GW Quality assessment Within permissible limits	2	2	Yes attached Ground water monitoring 31st March 2025 .pdf

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 Not Applicable	Usage of mine water by proper treatment and use for: Discharge without treatment	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 159250000.0000 Litre 279236160.0000 Litre	5	5	The domestic used water is recycled and used for dust suppression in side mine. The industrial used water can not be recycled. Water consumption CNB 2024-25.pdf

<p>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)</p>	<p>Zero leakage/ water loss in water pipelines, storage tanks and water use processes Yes</p>	2	2	<p>Salient points on water conservation is attached. Salient points on Water conservation.pdf</p>
	<p>Drip irrigation or other conservation techniques Yes</p>	2	2	<p>1. Water level indicators have been installed in all industrial tanks and drinking water tanks with a display system at Pump house for effective monitoring, 2. Individual over head tanks in all building have been provided with special float valves to arrest overflow of water, 3. Sensor pillar taps for wash basin in few locations have been installed to save water, 4. Receipt of online/telephonic complaints regarding any water leakages from user is in</p>

				place for immediate attention in respect of plumbing or maintenance activities, 5. Awareness amongst the employee have been created by display board or through meeting in various activities in Mines, 6. Mass plantation program is undertaken for ground water recharge. Salient points on Water conservation.pdf
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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	Attached the quarterly monitoring report ending on 31st March'2025. Also the environment monitoring parameters are displayed on the monitor at Mines main Gate. Ambient Air Quality 31st March 2025.pdf
	PM2.5,PM10,SOX,NOX,CO	PM2.5,PM10,SOX,NOX,CO			
b) Surface Water Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	Attached the quarterly monitoring report ending on 31st March'2025. Also the environment monitoring parameters are displayed on the monitor at Mines main Gate. Surface water monitoring 31st March 2025 .pdf
	PH,DO,TDS,TH,SS	PH,DO,TDS,TH,SS			

c) Ground Water Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	Attached the quarterly monitoring report ending on 31st March'2025. Also the environment monitoring parameters are displayed on the monitor at Mines main Gate. Ground water monitoring 31st March 2025 .pdf
	PH	PH			
d) Noise Level Standards laid down by DGMS	Within Limit	Within Limit	3	3	Attached the quarterly monitoring report ending on 31st March'2025. Also the environment monitoring parameters are displayed on the monitor at Mines main Gate. Noise level monitoring 31st March 2025.pdf
	Day Time:75 dBA, Night Time: 70DBA	Day Time:75 dBA, Night Time: 70DBA			

e) Ground Vibration Standards laid down by DGMS	Within Limit	Within Limit	3	3	Study report is attached. Ground vibration standard Scientific Study report by NIT RKL.pdf
	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	13615628.0000 187186.0000	4	0	Green Energy Initiatives NALCO.pdf
Implementing recommendations of Energy Audit in mining, ore processing etc. as per provisions of Energy Conservation Act, 2001	Yes	1	1	Last energy audit report and its compliance are attached. Energy audit report and its compliance.pdf

Use of sensors and low energy consumption devices	Yes	2	2	1. Use of BEE 5 star rated air conditioners and 5 star BLDC ceiling fans, geysers & 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 & link with pump operation. 5. Use of Occupancy sensors in office area, corridor etc for controlling wastage of electricity.
Innovation in energy saving				
Conservation of Fuel	Yes	2	2	1. Use of additives in

HSD oil in
HEMM for
saving more
than 5% of
consumption in
practise. 2.
Adoption of
methodology
for (i)
Reduction in
Fuel oil (HSD)
consumption
used for Mining
machinery by
excavation of
bauxite ore by
more efficient
backhoe
excavator, in
place of Ripper
Dozer-wheel
Loader
combination (ii)
Rotation of
operation staff
at the mining
pits itself by
efficient
vehicles/
dedicated bus
instead of
shifting of low
efficiency
HEMM
vehicles. (iii)
Use of load
cells on
dumpers/ haul
packs. for
optimum
loading. (iv)

				<p>Regular inspection & minor maintenance of tyre mounted HEMM near active Mining areas (v) Use of additional mobile fuel stations for HSD refilling at pit head (vi) Filling of nitrogen gas instead of air in tyres of HEMM for fuel efficiency. (vii) Use of GPS based fleet monitoring & control system for efficient & productive use of HEMM. (viii) Maximizing use of electrical energy driven conveying system (SMCP/FLDC sys.) for reduction of use of HSD fuel driven HEMM</p> <p>CRP Mining MARCH.pdf</p>
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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.
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2.1.12 : Compliance Status

Particulars	Details (To be filled up by Lessee)		Applicable Max Points	Points scored	Remarks
Violations pointed out by IBM			8	8	No Violation
	Total no. of violations pointed out	Violations complied with			
	0.0000	0.0000			
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	19	18

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	Fig in Ha
	17.5900	17.6500	100.3411			
2) Water Reservoir, ground water recharge, and pisciculture, if applicable Area under water reservoir	Proposed	Actual	Percentage (%)	5	5	Fig in Ha
	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	
	1.0000	1.0000	Rain Water harvesting with GW recharging			
	Harvesting Proposed	Harvesting Actual				
	1.0000	1.0000				
Plantation over backfilled area	Proposal (in sq. meter)	Actual (in sq. meter)	Achivement (%)	3	3	Plantation_2024-25.pdf
	135000.0000	146000.0000	108.1481			

Plantation over dump area Not Applicable	<table><tr><td>0.0000</td><td>0.0000</td><td>0.0000</td></tr></table>			0.0000	0.0000	0.0000	0	0	
0.0000	0.0000	0.0000							
Plantation over virgin area(Green belt development)	<table><tr><td>33750.0000</td><td>116505.0000</td><td>345.2000</td></tr></table>			33750.0000	116505.0000	345.2000	3	4	Total plantation within lease area for the FY 2024-25 Plantation_2024-25.pdf
33750.0000	116505.0000	345.2000							
Agroforestory Area	Yes			2	2	5500 nos fruit bearing saplings has been distributed amongst periphery villagers for agro-forest development.			

3 (a) Efforts for faster restoration Details * (Soil- moisture conservation, fencing of area, drip irrigation, etc.)	Yes	2	2	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 garden of 1 Ha area is also under progress in CB2 of Panchpatmali Udyan.				
3 (b) Treatment of problematic soils, if applicable Details * (Treatment with soil amendments, manuring, bio fertilizers etc.)	Yes	2	2	Treatment of Problematic Soil.pdf				
4) Creation of Eco tourism/ recreational facility if applicable Area reshaped by pitching & recontouring	<table><tr><td>Proposed</td><td>Actual</td></tr><tr><td>1.0000</td><td>8.0000</td></tr></table>	Proposed	Actual	1.0000	8.0000	2	2	0.01 Ha area is developed as garden cum view point at CB-2.
Proposed	Actual							
1.0000	8.0000							

5) Dump area stabilisation and development, if applicable Area covered by Geo textiles or similar techniques in Ha Not Applicable	Proposed	Actual	0	0	
	0.0000	0.0000			

Summary of Points obtained in Module-II	Module-I Applicable Maximum Points(3)	Module-I Points Scored(iii)
	25	26

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) Not Applicable	0.0000	3	0	
% of project affected families given employment (Direct Employment) Not Applicable	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) Not Applicable	0.0000	0	0	
*PAP - Indicates the persons who have been displaced due to land aquisition for mining lease.				

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	Public grievance redressal mechanism is in place. The committee members name and address is displayed at Mines Main Gate. Grievance Handling Committee2024-25.pdf
Name, Address and Phone no./Email of Committee Members responsible displayed publicly	Yes	1	1	The committee members name and address is displayed at Mines Main Gate. Grievance Redressal Committee2024-25.pdf

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 development. Employee retirement plantation programme has been conducted for each retiring employee inside the Panchpatmali Udyan. Swachhata Pokhwada programmes have been conducted among the
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				<p>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.</p> <p>Stakeholder_Participation2024-25.pdf</p>
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2.3.4 Support for Drinking Water & Agriculture

Particulars	Details (To be filled up by Lessee)	No. of Beneficiaries	Applicable Max Points	Points scored	Remarks

Water storage tanks, drinking water supply facility & irrigation support to agriculture	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	500	3	3	Drinking water has been supplied to nearby villagers. Existing spring water is channelized to nearby paddy fields for agriculture purposes. Drinking water.pdf
	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 Beneficiaries	Applicable Max Points	Points scored	Remarks
Preventive measures for mitigation of mine related health problems	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	44684	3	3	Refer Sl. No.6 of CSR expenditure MHU_NALC O Binder.com pressed.pdf
	98.5680	98.5680				
	Operation of Medical Health Units (MHUs) at periphery villages of M&R Complex, Damanjodi & Pottangi Buxite Mines.	Operation of Medical Health Units (MHUs) at periphery villages of M&R Complex, Damanjodi & Pottangi Buxite Mines.				

Promotion of Hygiene and Sanitation, public health initiatives	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	72000	3	3	Refer Sl. No.7 of CSR expenditure Sanitation_compressed.pdf
	727.2000 Financial Assistance to Saheed Laxman Nayak Medical College and Hospital, Koraput for strengthen and enhance heath delivery system.	727.2000 Financial Assistance to Saheed Laxman Nayak Medical College and Hospital, Koraput for strengthen and enhance heath delivery system.				

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

Skill development & Vocational Training programmes for local communities	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	1264	3	3	1. Project- "Nalcora Aliali Jhia" (Nalco ki Ladli): To provide financial support to girl students every year under BPL category from periphery villages of M & R Complex , Damanjodi. 2.Supporting residential education to poor backward & tribal children from periphery villages of M & R Complex, Damanjodi & Pottangi. Refer Sl. No. 3&5 of CSR expenditure Skill Development Program me NALCO. pdf
	725.7456 To provide financial support to girl students as well as periphery students for education.	725.7456 To provide financial support to girl students as well as periphery students for education.				

Promotion of Literacy & Education	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	351	3	3	Supporting residential education to poor backward & tribal children from periphery villages of M & R Complex, Damanjodi & Pottangi. Refer Sl. No. 4 of CSR expenditure Promotion of Literacy & Education Nalco compressed.pdf
	234.4104 Supporting residential education to poor backward & tribal children from periphery villages of M & R Complex, Damanjodi & Pottangi.	234.4104 Supporting residential education to poor backward & tribal children from periphery villages of M & R Complex, Damanjodi & Pottangi.				

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	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	77112	2	2	1.Financial Support towards organising Panchpattamali Natya Mahotsab, Damanlodi. 2. Financial Support to District Administration, Koraput towards organising 27 th State Level Tribal Festival, PARAB, Koraput. Refer Sl. No. 1&2 of CSR expenditure Support to social, cultural, recreational activities_Binder.pdf
	43.2000 Assistance to Koraput Parab and Panchpatmali Natya Mahotsab.	43.2000 Assistance to Koraput Parab and Panchpatmali Natya Mahotsab.				

Livelihood & Socio-Economic standard improvement support	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	432	3	3	1.Promotion of livelihood through Jackfruit Value addition in selected priority villages Damajodi & Pottangi region of Koraput., 2.Swatchta Hi Sewa campaign at Damanjodi Refer Sl. No. 8&9 of CSR expenditure Support for Livelihood Binder1_compressed-1.pdf
	5.7240 Promotion of livelihood through Jackfruit Value addition in selected priority villages	5.7240 Promotion of livelihood through Jackfruit Value addition in selected priority villages				

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)	1500	2	2	1. Gravel road is developed from FLDC to Upper Rangapani village, 2. Provide transport facility to contract workers & periphery villagers every day in three shift operation. Improvement of Road connectivity and public transport and other infrastructure facilities.pdf
	117.0673 Gravel road development and transport facility for contract workers & periphery villagers	117.0673 Gravel road development and transport facility for contract workers & periphery villagers				

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	Attached Manpower CN B_HRD.pdf
	861.0000	1132.0000			
Skilled local manpower (% of total local manpower)	Total local man power	Total man power	3	3	Attached Manpower CN B_HRD.pdf
	401.0000	429.0000			

Unskilled local manpower (% of total local manpower)	Total local man power	Total man power	3	3	Attached Manpower CN B_HRD.pdf
	461.0000	595.0000			
Working in LWE affected districts (as per NITI Aayog list)			2	2	Koraput district is covered under LWE affected districts (as per NITI Aayog list) LWE affected districts.pdf
Working in Schedule V / Tribal area	Yes		3	3	Koraput district is covered under Schedule V / Tribal area List-Schedule-Areas-India.pdf

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:	All Four Identified Programs are conducted/ Support provided to the local community.	10	10	
General Cleanliness of mines area (Mine working faces, dump areas, roads)	Excellent	3	3	Yes attached General Cleanliness of mines area.pdf

Cleanliness of workshop/Mines Office area	Excellent	3	3	Yes attached General Cleanliness of mines area.pdf
Garbage collection and appropriate disposal	Yes	3	3	Garbage collection and appropriate disposal system is carried out in Mines and Nalco Township.
Providing drinking water for mining workers	Yes	2	2	Drinking water facility is provided in all areas of Mines including all offices, canteen, working faces by mobile canteen van, etc
Provision for greenage recreational facility	Yes	2	2	A high altitude Nursery, butterfly garden and rock garden are developed in side Mines. Further parks and gardens are developed in Nalco Township for employee amusement.

				<p>Nalco developed so many infrastucture for tourism development like HANUMAN VATIKA, SIRIDI SAI BABA TEMPLE, SRI JAGANNATH TEMPLE, ROSE GARDEN, SUDARSAN JHARA, SABARI LAKE, SAI BABA TEMPLE, MAA KANTA BAUSUNI TEMPLE, etc in its township.</p>
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Awareness program among Mine workers for Swatchata	Yes	2	2	<p>Awareness program among Mine workers for Swatchata is carried out by Swatchata Pakhwada program and 5 S rally. Further our Mines is 5-S certified by JUSE.</p> <p><u>Swachha Bharat Mission & 5 S Certificate .pdf</u></p>
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Summary of Points obtained in Module-III	Module-I Applicable Maximum Points(2)	Module-I Points Scored(ii)
66	66	

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	Available in NALCO website REPORTING OF CSR AT NALCO WEB SITE.pdf
Display of ambient air quality level on website and at prominent locations such as premises gate, mine-office, etc.	Yes	2	2	Displayed at Mines Main Gate Air Quality Data Display.pdf

Internal auditing for information submitted.	Yes	3	3	IMS internal audit is carried out in every six month. Based on the audit findings report, MR meeting is conducted once in a year. The report is attached herewith. MOM_31st_1 MS MR meeting_31052025.pdf
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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	Yes attached QMS_certificate_valid_15122025.pdf
EMS (ISO-14001)	Yes	3	3	Yes attached EMS_certificate_06112027.pdf
OHSAS (ISO-18001) or ISO 45001	Yes	3	3	Yes attached OHSMS_Certificate_13122026.pdf

Swatchata Report	Yes	2	2	Yes attached Swachha Bharat Mission.pdf
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Summary of Points obtained in Module-IV	Module-I Applicable Maximum Points(4)	Module-I Points Scored(iv)
	19	19

● **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	109	107	98.17%
Subtotal Module II	25	26	104.00%
Subtotal Module III	66	66	100.00%
Subtotal Module IV	19	19	100.00%
Overall	219	218	99.54%
% Obtained	99.54 %		
☆ Star Rating	★ ★ ★ ★ ★ 5 Star		

Criteria for Star Rating :

Percentage obtained	Criteria
=> 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)