

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 :	BAPHLIMALI BAUXITE MINE (
Name of the Lessee : Phone of the Lessee : Email of the Lessee : Address of Lessee :	Utkal Alumina International Limited 7752020828 Hil-dor.baphlimali@adityabirla.com J-6 Jayadev-Vihar Bhubaneswar

State : District : Tehsil/ Taluk/ Mandal : Village :	Nil
Mine Code (for ML):	07ORI27001
IBM Registration Number (under rule 45 of MCDR, 1988):	IBM/75/2011
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) 	1388.74 <ul style="list-style-type: none"> • 233.3400 • 1.5100 • 1153.8900 • 0.0000
Lease period (valid up to) :	2048-02-16
Reserves (As per UNFC 111,121 & 122) as on End of the reporting year.(In million tonnes) :	147.863700
Resources as on End of the reporting year. In million tonnes :	6.253000
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	Krishna Chandra Jyotishi	DGM-Geology	8118098711
2	Amar Bharti	AGM-Mines Manager	9304857952

3	Pradyumna Das	AGM-Geology	7752021500
4	Manoj Kumar Dash	AGM-CSR	8114377015
5	Sushant Kumar Dhal	Manager-CSR	7752020990
6	Debasish Pattnaik	Manager-HR	9337331202
7	Subhranshu Bhusan Sahoo	Manager-Mines	7752020760
8	Subhramanyu Kund	Manager-Environment	8114395580
9	Sabhyasachi Biswas	Asst. Manager- Geology	7328826864
10	Avijit Maji	Asst. Manager- Geology	9977202698
11	Prashant Singh	Asst. Manager- Admin	7752020904
12	Chittaranjan Pandab	Dy Officer-Accounts	9437527112
13	Lalbahadur Singh	Sr. Engineer- Mines	9437672471
14	Dr. Devi Prasad Mishra	Asst. Manager- Doctor	7749902626

Production during reporting year(Tonnes) :

6991255.000000

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	344.9300	203.0500	30.8000	233.8500	Mining has been carried out as per the proposed

						area of Review of Mining Plan PIT AREA.kmz
2	Top Soil Preservation	0.0000	0.0000	0.0000	0.0000	There is no proposal for preservation of topsoil. The topsoil being generated during mining is concurrently spreaded over reclaimed area for plantation. Topsoil.pdf
3	OB / waste dump	10.5990	0.0000	0.0000	0.0000	There was no proposal of external OB or waste dump. However, one old dump has been reclaimed in FY23. The OB or waste being generated is backfilled within the mined out void spaces concurrently.
4	Mineral Storage	4.0000	4.0000	0.0000	4.0000	There is a mineral stackyard of 4 hectares as proposed in the approved review of mining plan. BAUXITE STACKY ARD.kmz
5	Infrastructure (Workshop, administrative building etc.)	13.8890	13.8890	0.0000	13.8890	An area of 13.889 Ha is being covered by admin office, workshop, canteen, MRSS, crusher plant, store, rest rooms etc. Surface plan is attached for reference. IBM Surface Plan Ba

						phlimali.pdf
6	Roads	6.5000	16.3550	0.0000	16.3550	Presently an area of 6.5 Ha is covered by transport road and other service facility connectivity. As proposed in the Review of mining plan, some unused roads are being removed.
7	Railways	0.0000	0.0000	0.0000	0.0000	There is no railway connectivity within the lease area.
8	Tailing Pond	0.0000	0.0000	0.0000	0.0000	There was no proposal of tailing pond within lease area.
9	Mineral Beneficiation plant	0.0000	0.0000	0.0000	0.0000	No beneficiation plant has been proposed within the leasehold area.
10	Township	0.0000	0.0000	0.0000	0.0000	There is no township developed within the leasehold. However, some rest houses are being constructed which are included in the infrastructures.
11	Others	0.0000	0.0000	0.0000	0.0000	

12	Total area put to use	379.9180	237.2940	20.9450	258.2390	
13	Excavated area reclaimed	195.0300	123.7540	17.4500	141.2040	Since 2016-17, the mined out area is being reclaimed by over burden or waste. As of 31st March 2024, a total area of 141.204 Ha is being backfilled/reclaimed within the mined out pit. RECLAMATION AR EA.kmz
14	Waste dump area reclaimed	10.5990	0.0000	0.0000	0.0000	There is no external waste dump as on 31st March 2024. However, one old dump is being reclaimed last year i.e. FY23.

1.3 Royalty & Other Contributions

SR.NO.	Details	Amount paid in RY in Rupees	Remarks
1	Royalty/Dead rent paid	1724479957.0000	Royalty has been paid as per actual Royalty 2023-24.pdf
2	Contribution to DMF	517343987.0000	DMF has been paid as per actual DMF 2023-24.pdf
3	Contribution to NMET	34489598.0000	NMET has been paid as per actual NMET 2023-24.pdf
4	Amount Paid towards despatch sharing in Auction cases	0.0000	Not Applicable

5	Total of other cess or taxes paid to Government,in addition to above	1389145.0000	Surface rent has been paid as per actual SURFACE RENT 2023-24.pdf
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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 :	-11015/650/2007-IA.II(M)	2009-02-19	2048-02-16	8.5000 Million Tonnes	Environmental clearance is obtained EC-Baphlimali.pdf
2	1.4.2. SPCB Approvals : (i) Consent to Establish	14388/Ind-II-NOC-4432	2007-06-16	2048-02-16	8.5000 Million Tonnes	Consent to Establish has been obtained. CTE_Baphlimali.pdf
3	1.4.2. SPCB Approvals : (ii) Consent to Operate	4157/IND-I-CON-5450	2023-03-20	2027-03-31	7.6300 Million Tonnes	Consent order has been obtained. CTO_baphlimali_bauxite_mine_2023-27.pdf

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

SR.No	Letter No.	Date Approved	Validity	Area in hectares	Remarks
1	8-18/2016-FC	2018-02-02	2048-02-16	233.34	Forest- Clearance Baphlimali.pdf

1.4.4. Wildlife Clearance (If applicable) :

SR.No	Letter No.	Date Approved	Validity	Remarks
1	5608/1W-SSP-80/2016	2017-06-27	2048-02-16	Sl 27 Site Specific Wild Life Conservation Approval Letter 27-06-17.pdf

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

SR.No	Letter No.	Date Approved	Validity	Annual Quantity Approved	Remarks
1					Not applicable as we do not use the ground water and the ground water table is far below (>150m) from the mining activities.

1.4.6. Land Acquisition details :

Total Area acquired/purchased so for	Total Ammount Paid
0.0000	

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	The SDU is constituted covering all department for smooth management SDF guidelines. SDU Commitment.pdf

* 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)
1637.0000	1850.4870

5

5

The expenditures includes Welfare activities in and around peripheral area including CSR, Environment Protection, monitoring, Reclamation, Rehabilitation, etc. And monthly fixed financial support to peripheral villagers.
[SDF Expenses FY24.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	Expenses towards CSR activities in and around leasehold area. CSR expenses FY24.pdf
	837.0000	1002.5970			
Reporting of CSR on National CSR Portal https://www.csr.gov.in	Reported		2	2	The CSR report on National CSR Portal is being available

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>Not Applicable</p>	<p>Has the entire potential mineralised area been explored 100% :</p> <table border="1"> <thead> <tr> <th></th> <th>Proposed</th> <th>Achieved</th> </tr> </thead> <tbody> <tr> <td>Boreholes:</td> <td></td> <td></td> </tr> <tr> <td>Meterage:</td> <td></td> <td></td> </tr> </tbody> </table>		Proposed	Achieved	Boreholes:			Meterage:			0		
	Proposed	Achieved											
Boreholes:													
Meterage:													

G Axis area status as on the beginning of RY	Area under G1: 980.0000 Area under G2: 0.0000 Area under G3: 0.0000	% age of potential mineralized area explored at G1 level 100.0000	0	0	The total lease area has been explored under G1 category since 2017-18.
G Axis area status as on the end of RY	Area under G4: 0.0000 Non Mineralised Area: 408.7400 Total potential mineralised area : 980.0000	Area under G1: 980.0000 Area under G2: 0.0000 Area under G3: 0.0000 Area under G4: 0.0000 Non Mineralised Area: 408.7400 Total potential mineralised area : 980.0000	5	5	The total lease area has been explored under G1 category since 2017-18. Exploration status.pdf
Use of MIS/ GIS/ Mining Planning softwares for optimum resource exploitation	Yes		5	5	We are using datamine software for resource modelling and mine planning. Datamine.pdf

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)	<table border="1"> <thead> <tr> <th data-bbox="1124 443 1576 537">Proposed</th> <th data-bbox="1576 443 2021 537">Actual</th> </tr> </thead> <tbody> <tr> <td data-bbox="1124 537 1576 632">6992170.0000</td> <td data-bbox="1576 537 2021 632">6991255.0000</td> </tr> </tbody> </table>	Proposed	Actual	6992170.0000	6991255.0000	5	5	<p>We have achieved the production of Bauxite around 100% as was proposed.</p> <p>G1_2023-24_FINAL_SUBMITTED_31-05-2024.pdf</p>
Proposed	Actual							
6992170.0000	6991255.0000							
Removal of waste/ over burden in cubic meters	<table border="1"> <thead> <tr> <th data-bbox="1124 932 1576 1026">Proposed</th> <th data-bbox="1576 932 2021 1026">Actual</th> </tr> </thead> <tbody> <tr> <td data-bbox="1124 1026 1576 1121">2699092.0000</td> <td data-bbox="1576 1026 2021 1121">2534820.0000</td> </tr> </tbody> </table>	Proposed	Actual	2699092.0000	2534820.0000	5	5	<p>The waste/OB generation is well within the limit as proposed.</p>
Proposed	Actual							
2699092.0000	2534820.0000							
Bench Height	<table border="1"> <thead> <tr> <th data-bbox="1124 1241 1576 1335">Proposed</th> <th data-bbox="1576 1241 2021 1335">Actual</th> </tr> </thead> <tbody> <tr> <td data-bbox="1124 1335 1576 1430">6.0000</td> <td data-bbox="1576 1335 2021 1430">6.0000</td> </tr> </tbody> </table>	Proposed	Actual	6.0000	6.0000	3	3	<p>Bench height is maintained within six meter as per proposal</p> <p>Systematic Opencast mining.pdf</p>
Proposed	Actual							
6.0000	6.0000							
Bench Width	<table border="1"> <thead> <tr> <th data-bbox="1124 1598 1576 1692">Proposed</th> <th data-bbox="1576 1598 2021 1692">Actual</th> </tr> </thead> <tbody> <tr> <td data-bbox="1124 1692 1576 1787">20.0000</td> <td data-bbox="1576 1692 2021 1787">20.0000</td> </tr> </tbody> </table>	Proposed	Actual	20.0000	20.0000	3	3	<p>Bench width is maintained within twenty meter as per proposal</p>
Proposed	Actual							
20.0000	20.0000							

Excavation	As per proposal	3	3	Excavation area for the FY24 is restricted within the proposed boundary of Review of Mining Plan. PIT_AREA.km z
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Lateral Extent								Vertical Extent (in MRL)	
Proposed				Actual				Proposed	Actual
E/W		N/s		E/W		N/s			
705351.0000	707760.0000	2139564.0000	2141595.0000	705352.0000	707759.0000	2139565.0000	2141594.0000	1094.0000	1093.8000

2.1.5 : Zero Waste Mining

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks
Alternative use / Disposal as a percentage of total waste generation (excluding top soil) (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.)	Disposal as minor mineral: 2534820.0000 Yes	4	4	The aluminous laterite being generated during mining operation in Cum are being systematically backfilled within the mined out pit.

Waste dumping (Locational aspects may be verified from KML files)								0	0	
Not Applicable if mine has permission for caving										
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	Quantity blended	Total mineral reject	5	5	During mining the subgrade ore generated are being blended concurrently within the mining pit. Hence there is no separate stackyard provided for subgrade handling. Subgrade.pdf
	504853.0000	454661.0000			

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

Final Submitted

Particulars	Details (To be filled up by Lessee)	Applicable Max Points	Points scored	Remarks									
Topsoil utilisation/stacking	Utilized	5	5	The topsoil being generated during mining is spreaded over the reclamation area for plantation. Topsoil.pdf									
Construction or maintenance of check dams	<table border="1"> <thead> <tr> <th>Proposed</th> <th>Achievement(%)</th> </tr> </thead> <tbody> <tr> <td>4.0000</td> <td>100.0000</td> </tr> </tbody> </table>	Proposed	Achievement(%)	4.0000	100.0000	1	1	Check dams are constructed as proposed in the mining plan Checkdam.pdf					
Proposed	Achievement(%)												
4.0000	100.0000												
Construction or maintenance of garland drains	<table border="1"> <thead> <tr> <th colspan="2">Proposed (in meters)</th> <th>Achieved (in meters)</th> </tr> <tr> <th>Proposed</th> <th>Actual</th> <th>As per proposal</th> </tr> </thead> <tbody> <tr> <td>2810.0000</td> <td>2850.0000</td> <td></td> </tr> </tbody> </table>	Proposed (in meters)		Achieved (in meters)	Proposed	Actual	As per proposal	2810.0000	2850.0000		1	1	Garland drains are provided at suitable locations. Old drains are cleared or repaired where is required. Garland_drain.pdf
Proposed (in meters)		Achieved (in meters)											
Proposed	Actual	As per proposal											
2810.0000	2850.0000												
Construction or maintenance of retaining walls	<table border="1"> <thead> <tr> <th>Proposed</th> <th>Achievement(%)</th> </tr> </thead> <tbody> <tr> <td>0.0000</td> <td>0.0000</td> </tr> </tbody> </table>	Proposed	Achievement(%)	0.0000	0.0000	1	1	There was no proposal of retaining wall. However, old retaining walls are maintained.					
Proposed	Achievement(%)												
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	Fixed and mobile sprinkling systems are being provided at haul roads and other locations. Wet drilling is being practiced. Two fog canons are being deployed. Backfilling areas are well protected for any type of erosion. Dust suppression measures.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 oils, lubricants are being done through authorized vendors. FORM10.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	Ground water monitoring is being carried out by authorized vendor. GW_monitoring.pdf
Ground Water Quality status (with reference to CGWA/CGWB/ CPCB parameters)	Details about the GW Quality assessment Within permissible limits	2	2	Quality of Ground water have been tested from desired locations by authorized vendor and the quality are well within the permissible limit. GW_monitoring.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 Not Applicable	Quantity of recycled water / Quantity of water drawn from external sources 0.0000 Litre 0.0000 Litre	0	0	
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 Yes	2	2	There is zero leakage/ water loss in connected water pipeline and storage tanks are available at mine area. Waterpipe.pdf
	Drip irrigation or other conservation techniques Yes	2	2	Rainwater harvesting and drip irrigation are practiced for conservation of water, Dustex solution for dust suppression on haul road. Innovative Approach- for Water Conservation.pdf

2.1.10 : Environmental Monitoring

Environmental Monitoring Standards	Core Zone	Buffer Zone	Applicable Max Points	Points scored	Remarks
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a) Ambient Air Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	As per the monitoring data all ambient air quality values are within limit AAQ_Report.pdf
	PM10-100, PM2.5-60	PM10-100, PM2.5-60			
b) Surface Water Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	As per the monitoring data all surface water quality values are within limit SW_Quality_Report.pdf
	pH- 6.5 to 8.5, BOD-3.0	pH- 6.5 to 8.5, BOD-3.0			
c) Ground Water Quality Standards laid down by MoEF&CC	Within Limit	Within Limit	3	3	As per the monitoring data all ground water quality values are within limit GW_Quality_Report.pdf
	pH-6.5 to 8.5, TDS-500	pH-6.5 to 8.5, TDS-500			
d) Noise Level Standards laid down by DGMS	Within Limit	Within Limit	3	3	As per the monitoring data all noise level values are within limit Noise_Report.pdf
	dB(A)-75 & 70	dB(A)-55 & 45			

e) Ground Vibration Standards laid down by DGMS	Within Limit	Within Limit	3	3	As per the monitoring data all ground vibration quality values are within limit Vibration data.pdf
	10 mm/sec	10 mm/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	3809380.0000 1028533.0000	4	2	Solar plant of 5MW has already been installed since 2018 which is supplying energy to mines and plant. However, another 5 MW plant is in pipeline to be installed at leasehold area. Green energy.pdf
Implementing recommendations of Energy Audit in mining, ore processing etc. as per provisions of Energy Conservation Act, 2001	Yes	1	1	Energy audit has been carried out EnergyAudit.pdf

Use of sensors and low energy consumption devices	Yes	2	2	<p>1. Timers installed for efficient use of energy for various light posts. 2. VFDs are installed for energy conservation. 3. IE2 energy efficient motors are installed for energy conservation. 4. Weekly Monitoring of Energy KPIs and Monthly Review done. Green energy.pdf</p>
Innovation in energy saving				
Conservation of Fuel	Yes	2	2	<p>Systematic planning for excavation and reclamation within a limited and justified lead distance.</p>

Conservation through other technical intervention. Please list.	Yes	2	2	IE2 energy efficient motors are installed for energy conservation, Replacement of LED Energyconservation.pdf
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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	0.0000	0.0000	8	8	No violation has been received from IBM in FY24

Note: Proposal and achievement columns 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	19

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	Backfilling /reclamation within mined out pit has been achieved more than 100% as was proposed in the Review of mining plan. RECLAMATION AREA.km z
	17.2800	17.4500	100.9838			
2) Water Reservoir, ground water recharge, and pisciculture, if applicable Area under water reservoir Not Applicable	Proposed	Actual	Percentage (%)	0	0	
	0.0000	0.0000	0.0000			
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	We are practicing rain water harvesting for water positivity Innovative Approach- for Water Conservation.pdf
	120000.0000	150587.0000	Rain Water harvesting with GW recharging			
	Harvesting Proposed	Harvesting Actual				
	37000.0000	53040.0000				

Plantation over backfilled area	<table border="1"> <thead> <tr> <th data-bbox="1124 163 1421 300">Proposal (in sq. meter)</th> <th data-bbox="1421 163 1721 300">Actual (in sq. meter)</th> <th data-bbox="1721 163 2018 300">Achievement (%)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1124 300 1421 394">145100.0000</td> <td data-bbox="1421 300 1721 394">148800.0000</td> <td data-bbox="1721 300 2018 394">102.5500</td> </tr> </tbody> </table>	Proposal (in sq. meter)	Actual (in sq. meter)	Achievement (%)	145100.0000	148800.0000	102.5500	3	3	Rehabilitation over reclaimed area has been achieved more than 100% as was proposed in the Review of mining plan. REHABILITATION_AREA.kmz
Proposal (in sq. meter)	Actual (in sq. meter)	Achievement (%)								
145100.0000	148800.0000	102.5500								
Plantation over dump area Not Applicable	<table border="1"> <tbody> <tr> <td data-bbox="1124 693 1421 787">0.0000</td> <td data-bbox="1421 693 1721 787">0.0000</td> <td data-bbox="1721 693 2018 787">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 875 1421 970">15.0000</td> <td data-bbox="1421 875 1721 970">15.3200</td> <td data-bbox="1721 875 2018 970">102.1333</td> </tr> </tbody> </table>	15.0000	15.3200	102.1333	3	3	Green belt developed at mine slope area, peripheral barrier, safety zone and other unutilized area which is much more than the proposal. PLANTATION INTIMATION TO SPCB FOR FY2023-24.pdf			
15.0000	15.3200	102.1333								
Agroforestry Area Not Applicable		0	0							

<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>Water pipe and sprinkling systems along with fencing are provided at desired locations Waterpipe.pdf</p>				
<p>3 (b) Treatment of problematic soils, if applicable Details * (Treatment with soil amendments, manuring, bio fertilizers etc.)</p> <p>Not Applicable</p>			<p>0</p>	<p>0</p>					
<p>4) Creation of Eco tourism/ recreational facility if applicable Area reshaped by pitching & recontouring</p> <p>Not Applicable</p>	<table border="1"> <tr> <td data-bbox="1124 873 1573 968"> <p>Proposed</p> </td> <td data-bbox="1573 873 2021 968"> <p>Actual</p> </td> </tr> <tr> <td data-bbox="1124 968 1573 1062"> <p>0.0000</p> </td> <td data-bbox="1573 968 2021 1062"> <p>0.0000</p> </td> </tr> </table>		<p>Proposed</p>	<p>Actual</p>	<p>0.0000</p>	<p>0.0000</p>	<p>0</p>	<p>0</p>	
<p>Proposed</p>	<p>Actual</p>								
<p>0.0000</p>	<p>0.0000</p>								
<p>5) Dump area stabilisation and development, if applicable Area covered by Geo textiles or similar techniques in Ha</p> <p>Not Applicable</p>	<table border="1"> <tr> <td data-bbox="1124 1110 1573 1205"> <p>Proposed</p> </td> <td data-bbox="1573 1110 2021 1205"> <p>Actual</p> </td> </tr> <tr> <td data-bbox="1124 1205 1573 1299"> <p>0.0000</p> </td> <td data-bbox="1573 1205 2021 1299"> <p>0.0000</p> </td> </tr> </table>		<p>Proposed</p>	<p>Actual</p>	<p>0.0000</p>	<p>0.0000</p>	<p>0</p>	<p>0</p>	
<p>Proposed</p>	<p>Actual</p>								
<p>0.0000</p>	<p>0.0000</p>								
<p>Summary of Points obtained in Module-II</p>		<p>Module-I Applicable Maximum Points(3)</p>		<p>Module-I Points Scored(iii)</p>					
		<p>14</p>		<p>14</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			There is no project affected people as per EIA-EMP in the leasehold area.
% 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

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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	Yes there is public grievance redressal mechanism for mines Grievance_Cell.pdf
Name, Address and Phone no./Email of Committee Members responsible displayed publicly	Yes	1	1	Attached Grievance_Cell.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	Stakeholders and communities are being participated in various CSR and environmental activities in and around the leasehold area.

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 1451 443">Proposed Exp(in Lakhs)</th> <th data-bbox="1451 348 1857 443">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1041 443 1451 709">62.0000 Installation & repairing of Tube Wells & Dug Wells.</td> <td data-bbox="1451 443 1857 709">61.7670 Installation & repairing of Tube Wells & Dug Wells.</td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	62.0000 Installation & repairing of Tube Wells & Dug Wells.	61.7670 Installation & repairing of Tube Wells & Dug Wells.	4279	3	3	Work : Installation & repairing of Tube Wells & Dug Wells. Spring based water supply system, Solar based water supply system, Water supply through water tankers, Construction of Check dams and Irrigation Channels Drinking water r .pdf
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)								
62.0000 Installation & repairing of Tube Wells & Dug Wells.	61.7670 Installation & repairing of Tube Wells & Dug Wells.								

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)	5800	3	3	There is the facility of preventive measures mechanism for mine related health issues within the leasehold area Preventive_ckeckup.pdf
	4.0000 Health check up, medicines, first-aid at mine	4.7403 Health check up, medicines, first-aid at mine				
Promotion of Hygiene and Sanitation, public health initiatives	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	99581	3	3	There is the facility of preventive measures mechanism for mine related health issues within the leasehold area Preventive_ckeckup.pdf
	250.0000 Utkal Hospital, Mobile Health Unit, Nirogshalas, Cataract Surgery,Ambulance Service, Multispeciality Health Camps, Financial assistance for medical treatment, Chlorination of water sources, Health Awareness Camps,Health infrastructures like Drain	268.9800 Utkal Hospital, Mobile Health Unit, Nirogshalas, Cataract Surgery,Ambulance Service, Multispeciality Health Camps, Financial assistance for medical treatment, Chlorination of water sources, Health Awareness Camps,Health infrastructures like Drain				

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	<table border="1"> <thead> <tr> <th data-bbox="1041 163 1448 258">Proposed Exp(in Lakhs)</th> <th data-bbox="1448 163 1857 258">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1041 258 1448 485">16.0000 Tailoring, applique, driving training, etc.</td> <td data-bbox="1448 258 1857 485">20.5200 Tailoring, applique, driving training, etc.</td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	16.0000 Tailoring, applique, driving training, etc.	20.5200 Tailoring, applique, driving training, etc.	72	3	3	Work : Skill development training on Tailoring, Applique and Light Motor Vehicle Driving Skill development.pdf
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)								
16.0000 Tailoring, applique, driving training, etc.	20.5200 Tailoring, applique, driving training, etc.								
Promotion of Literacy & Education	<table border="1"> <thead> <tr> <th data-bbox="1041 651 1448 745">Proposed Exp(in Lakhs)</th> <th data-bbox="1448 651 1857 745">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1041 745 1448 972">120.0000 Libraries, Mini science centers, etc,</td> <td data-bbox="1448 745 1857 972">138.2400 Libraries, Mini science centers, etc,</td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	120.0000 Libraries, Mini science centers, etc,	138.2400 Libraries, Mini science centers, etc,	4281	3	3	Work : Remedial Coaching Centers, Financial assistance for Higher Study, Supply of Education Materials, Support of School furniture and fixtures, School Infrastructures like Boundary Wall, Solar System, School Competitions Literacy & Education.pdf
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)								
120.0000 Libraries, Mini science centers, etc,	138.2400 Libraries, Mini science centers, etc,								

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
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Support to social, cultural, recreational activities	<table border="1"> <thead> <tr> <th data-bbox="1041 163 1448 260">Proposed Exp(in Lakhs)</th> <th data-bbox="1448 163 1857 260">Actual Exp(in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1041 260 1448 789"> 25.0000 Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals. </td> <td data-bbox="1448 260 1857 789"> 30.3800 Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals. </td> </tr> </tbody> </table>	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	25.0000 Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals.	30.3800 Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals.	5256	2	2	<p>Work :</p> <p>Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals. Creating awareness through Street Plays & Wall Writings, Financial assistance for purchasing of Musical Instruments, Financial support to old & needy women, Observation of Women Day, Social & Recreational facilities.pdf</p>
Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)								
25.0000 Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals.	30.3800 Extending financial assistance to organise tournaments, Supply of sports materials to youths, Organising Dhimsa Dance Competition, Financial support to observe pujas and festivals.								

Livelihood & Socio-Economic standard improvement support	Proposed Exp(in Lakhs)	Actual Exp(in Lakhs)	3376	3	3	Work : Promotion of lemon grass cultivation, Promotion of fruit orchards under Sambhab Project, Conducting farmers training, Organising Livestock vaccination camps. Plantation, Nursery Raising, Construction of irrigation channel, chek dams, Agarbati Making Unit, Construction of livelihood infrastructures, Avenue Plantation etc
	250.0000 Promotion of lemon grass cultivation, Promotion of fruit orchards under Sambhab Project, Conducting farmers training, Organising Livestock vaccination camps. Plantation, Nursery Raising, Construction of irrigation channel, chek dams, Agarbati Making Unit, Construction of livelihood infrastructures, Avenue Plantation etc	265.0000 Promotion of lemon grass cultivation, Promotion of fruit orchards under Sambhab Project, Conducting farmers training, Organising Livestock vaccination camps. Plantation, Nursery Raising, Construction of irrigation channel, chek dams, Agarbati Making Unit, Construction of livelihood infrastructures, Avenue Plantation etc				

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)	35000	2	2	Work : Construction of CC Roads, W.B.M. Roads, Causeways & Culverts, Community Halls, Rest Sheds, Steps to River, Protection Walls, Bathing Ghats, Boundary walls, Sitting Altars , Protection walls, Bus Stops. Civil_work.pdf
	110.0000 Construction of CC Roads, W.B.M. Roads, etc.	212.9700 Construction of CC Roads, W.B.M. Roads, etc.				

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	Manpower list is attached Manpower-24.pdf
	409.0000	808.0000			
Skilled local manpower (% of total local manpower)	Total local man power	Total man power	3	2	Manpower list attached
	93.0000	292.0000			

Unskilled local manpower (% of total local manpower)	Total local man power	Total man power	3	3	Manpower list attached
	183.0000	221.0000			
Working in LWE affected districts (as per NITI Aayog list)			2	2	As per NITI Aayog the area falls in LWE affected districts of Odisha
Working in Schedule V / Tribal area	Yes		3	3	The leasehold area is surrounded by local tribals and scheduled people.

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:	Any three identified programs conducted/ Support provided to the local community.	10	8	
General Cleanliness of mines area (Mine working faces, dump areas, roads)	Excellent	3	3	Housekeeping is practiced at different locations on regular basis. Pit_cleaness.pdf

Cleanliness of workshop/Mines Office area	Excellent	3	3	Housekeeping at office and workshops are maintained regularly. Cleaness in pr emises.pdf
Garbage collection and appropriate disposal	Yes	3	3	For waste and garbage collection various systems are installed and adopted at mine premises Garbage.pdf
Providing drinking water for mining workers	Yes	2	2	Drinking water facilities are provided at different locations Drinking water facilities.pdf
Provision for greenage recreational facility	Yes	2	2	Greenage recreational facilities are provided for mines employees and stakeholders. Recreational facilities.pdf

Awareness program among Mine workers for Swachata	Yes	2	2	Various programmes are observed for swachhta drive in mines by mine workers Regular Swachhta.pdf
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Summary of Points obtained in Module-III	Module-I Applicable Maximum Points(2)	Module-I Points Scored(ii)
66	63	

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	The SDF information of Baphlimali bauxite mine is available in Hindalco website.
Display of ambient air quality level on website and at prominent locations such as premises gate, mine-office, etc.	Yes	2	2	Environmental data have been displayed at various locations. Env-Displayboard.pdf
Internal auditing for information submitted.	Yes	3	3	There are various internal auditing system adopted like IMS, compliances tools management, safety management audit. contractor safety audit, etc

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	QMS- ISO_9001 certificate is obtained and attached. IMS-C635092- CC16-Utkal.pdf
EMS (ISO-14001)	Yes	3	3	EMS- ISO_14001 certificate is obtained and attached. IMS-C635092- CC16-Utkal.pdf
OHSAS (ISO-18001) or ISO 45001	Yes	3	3	OHSAS- ISO_450001 certificate is obtained and attached. IMS-C635092- CC16-Utkal.pdf

Swachhata Report	Yes	2	2	Swachhta programmes have been conducted within mine and peripheral areas. Swachhata Report.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	105	103	98.10%
Subtotal Module II	14	14	100.00%
Subtotal Module III	66	63	95.45%
Subtotal Module IV	19	19	100.00%
Overall	204	199	97.55%
% Obtained	97.55 %		
☆ 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 **Utkal Alumina International limited** , S/o **Hindalco Industries Ltd** Designation **Mine Owner** 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