

ADITYA BIRLA



HINDALCO

Letter No.: HIL/ENV/BAGRU/FC/459

Date: 09.01.2023

To
The Divisional Forest Officer (DFO)
Lohardaga, Jharkhand

Subject: Submission of response to the Essential Details sought (EDS) by the Divisional Forest Officer in Form A for seeking prior approval of Central Govt. under section 2 of the Forest (Conservation) Act, 1980 for Diversion of Forest land of 7.52 Ha. for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd. - regarding.

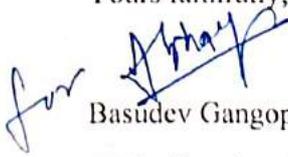
Ref: Proposal no- FP/JH/MIN/155456/2022 dated 22/05/2022 and Essential Details sought (EDS) by the DFO Office vide. Letter No-4556, Dated 31/12/2022.

Sir,

With reference to the application submitted (proposal no- FP/JH/MIN/155456/2022, dated 22/05/2022) for seeking prior approval of Central Govt. under section 2 of the Forest (Conservation) Act, 1980 for Diversion of Forest land of 7.52 Ha. for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd and subsequent Essential Details sought (EDS) by the DFO Office dated 31/12/2022, we are submitting requisite documents for your kind perusal and further processing of the forest diversion proposal.

Thanking you,

Yours faithfully,


Basudev Gangopadhyay

AVP (Planning, Environment & Compliance)

Authorized representative

M/s Hindalco Industries Ltd

Enclosure: EDS response with enclosures into 8 sets of copies are attached along with the letter.

Proposal number (FP/JH/MIN/155456/2022)

EDS Response (Letter No-4556, Dated 31/12/2022)

Remarks, Nodal officer	Compliance
1. प्रयोक्ता अभिकरण द्वारा निर्धारित प्रपत्र में फॉर्म -ए पार्ट- I अपलोड नहीं किया गया है।	The Form-A(Part-I) has been duly enclosed in the prescribed format for your kind consideration and necessary approval.
2. 1: 50,000 स्केल के टोपोशीटमैप (रंगीन एवं आरेखन सहित) संलग्न नहीं है।	The 1: 50,000 Map has been duly enclosed for your kind consideration and necessary approval.
3. प्रस्ताव के साथ मौजा मैप की (रंगीन एवं आरेखन सहित) संलग्न नहीं है।	The Mauza Map has been duly enclosed for your kind consideration and necessary approval.
4. प्रस्ताव के साथ अपयोजित होने वाले वन भूमि की विवरणी (Land Schedule) संलग्न नहीं है।	The land schedule has been duly enclosed for your kind consideration and necessary approval.
5. प्रस्ताव के साथ Layout Plan संलग्न नहीं है।	The layout plan has been duly enclosed for your kind consideration and necessary approval.
6. राजस्व अधिकारी द्वारा विधिवत प्रमाणित भूमि अनुसूची संलग्न नहीं है।	The authenticated land schedule from the concerned officer has been enclosed for your kind consideration and necessary approval.
7. प्रस्ताव के साथ वन अधिकार अधिनियम, 2006 के तहत उपायुक्त द्वारा निर्गत अनापत्ति प्रमाण-पत्र भारत सरकार द्वारा निर्धारित विहित प्रपत्र में नहीं है।	The new Forest Rights Act, 2006 certificate as per the prescribed format of the MoEF & CC shall be submitted before Stage-II compliance as per the MoEF & CC guidelines dated 26 February 2019. An undertaking of the same has been submitted for your kind consideration and necessary approval.
8. प्रस्ताव के साथ ग्राम सभा / आम सभा के कारवाई की प्रति संलग्न नहीं है।	Undertaking of FRA is being enclosed.
9. प्रस्तावित अधिसूचित वनभूमि का नक्शा, DGPS, तोपोग्राम शीट संख्या एवं रंगीन तथा आरेखन मान्य है। उक्त गैर-वनभूमि का KML file, (CD में) वन प्रमंडल पदाधिकारी का उपयुक्तता प्रमाण पत्र एवं प्राकलन संलग्न नहीं है।	The relevant maps of mine lease & CA land including kml file have been submitted in CD. Land Suitability certificate and CA scheme are enclosed and uploaded in Parivesh portal for your kind consideration and necessary approval.
10. Purpose-wise breakup at forest land सम्बंधित प्रतिवेदन संलग्न नहीं है।	The purpose-wise breakup at forest land has been enclosed for your kind consideration

For Hindalco Industries Ltd.
for 
Authorised Signatory

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	and necessary approval.
11. प्रस्ताव के साथ अपोयोजित होने वनभूमि पर पड़ने वाले वृक्षों की प्रजातियां Girth-wise गणना सूचि मारांश में सम्बंधित वन क्षेत्र पदाधिकारी द्वारा सत्यापित प्रति प्रस्ताव में संलग्न नहीं है।	Girth-wise summary of the affected Tree species has been enclosed for your kind consideration and necessary approval.
12. Resettlement & rehabilitation plan संलग्न नहीं है।	Not applicable. No Resettlement & rehabilitation is required as there is no project affected families (PAFs) in the mine lease area.
13. KML file (generated) of map of outer boundary of mining lease area संलग्न नहीं है।	The KML file (generated) of map of outer boundary of mining lease area has been enclosed for your kind consideration and necessary approval.
14. Regarding barest and minimum use of forest land वचनबद्धता (undertaking) प्रमाण पत्र संलग्न नहीं है।	The undertaking regarding barest and minimum use of forest land has been enclosed for your kind consideration and necessary approval.
15. Regarding any work carried out in violation of the act or guidelines issued under 1980 वचनबद्धता (undertaking) प्रमाण पत्र संलग्न नहीं है।	The undertaking regarding any work carried out in violation of the act or guidelines issued under 1980 has been enclosed for your kind consideration and necessary approval.
16. प्रयोक्ता अभिकरण द्वारा अपलोड की गयी KML फाइल का area 7.49 Ha and applied forest area 7.52 ha में भिन्नता है।	The KML file that was uploaded was reviewed as accurate.
17. फॉर्म-१ पार्ट-१ का कंडिका C(iv) में अपलोड की गयी geo-reference का PDF फाइल नहीं परिलक्षित हो रहा है, इससे पुनः अपलोड करना आवश्यक है।	There was a technical error in uploading PDF at C.iv. The same has been re-uploaded and copy of the same has been submitted with the EDS reply dated 16/07/2022 and enclosed herewith the letter for your kind consideration.
18. DGPS सर्वे file/KML का CD संलग्न नहीं है।	The DGPS survey file/KML file has been enclosed in CD for your kind consideration and necessary approval.

For Hindalco Industries Ltd.
for *[Signature]*
Authorised Signatory

APPENDIX (See Rule 6)

Form for seeking prior approval under section 2 of the proposals by the FORM-A' state Governments and other authorities

PART-I

(To be filled up by user agency)

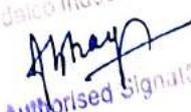
1. Project details:	
(i) Short narrative of the proposal and project /scheme for which the forest land is required.	The proposal is submitted for diversion of forest area of 7.52 ha to undertake bauxite mining .However per MoEF, GoI guidelines the safety zone of 2.17 ha in which neither mining nor any felling of trees is involved as well as the area broken prior to year 1980 i.e. 9.87 ha has been excluded.
(ii) Map showing the required forestland, boundary of adjoining forest on a 1:50,000 scalemap.	Enclosed
(iii) Cost of the project.	205.12 lacs
(iv) Justification for locating the project in forest area.	Enclosed
(v). Cost-benefit analysis (to be enclosed).	Enclosed
(vi) Employment likely to be generated.	76800 (Temporary)
2. Purpose-wise break-up of the total land required:	Enclosed
3. Details of displacement of people due to the project, if say:	
(i) Number of Families.	Nil
(ii) Number of Scheduled castes/Scheduled Tribe Families	Nil
(iii) Rehabilitation plan (to be enclosed).	N/A
4. Whether clearance under Environment (Protection)Act, 1986 required?	EC obtained (Copy of the EC is enclosed)
5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation in the area of 7.69 hectare in non- forest land as submitted to Divisional Forest Officer, Midininagar and /or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. As per the scheme prepared by the State Government (undertaking to be enclosed).	Enclosed
6. Details of Certificates/documents enclosed as required under the instructions	Enclosed

Date:

Place:

State serial No. of proposal- FP/JH/MIN/155456/2022

(To be filled up by the Nodal officer with date of receipt)

For Hindalco Industries Ltd.
for 
Authorised Signatory

**JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST LAND AND
DETAILS OF ALTERNATIVES EXAMINED**

1. The forest land within the lease area adjoins the non-forest land already held under lease by the company.
2. Since 1944 we have the permanent structures like crushers, ropeway & rest shelter which is the backbone of our mining activity & the remaining area is having Bauxite and Kaoline. The geological reserves estimated are given below. The patches of forest land if left now, will never be approachable for mining in future, since all the adjoining non-forest land will be mined out and finally be restored.
3. Proper land for compensatory afforestation and amount of Compensatory Afforestation will be provided by the company in lieu of mining in the lease area
4. There is no perennial source of water/river within the forest area in proposal.
5. The reserve position of mineralised non-forest area is 0.44 MT of Bauxite and 1.08MT of Kaolin. As the company has its Alumina Plant at Muri, the Bauxite from the area will be used for its captive purposes. Now considering the mineralized forest land under question, the reserve is estimated to be 0.14 MT of Bauxite and 0.10 MT of Kaolin, hence mining in the plateau will be feasible only if the adjoining mineralized forest area will be taken into consideration.
6. The quality of bauxite ore is suitable and is required to meet the requirements of the Alumina plant at Muri and Kaolin will be used as per the requirements of the company.

FOR HINDALCO INDUSTRIES LTD.



Basudev Gangopadhyay |
Sr.GM (Geology & Environment)
(Authorized Signatory)

Place: Lohardaga
Date: 11/05/2022

Forest Diversion Proposal (7.69 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.
(Proposal number: FP/JH/MIN/155456/2022)



COST BENEFIT ANALYSIS

Prevailing Rates of NPV

As per revision of rates of NPV applicable for different class/category of forests issued by MoEF&CC File No. 5-3/2011-FC(Vol-I) dated 06.01.2022, the following NPV have been prescribed for levying NPV in lieu of diversion of Forest land.

Forest type group: Tropical dry deciduous forest

Table: Rates of NPV values

Eco-Value class	NPV (in ₹/Ha.)		
	Very Dense	Dense	Open
Class I	1595790	1436670	1116900
Class II	1595790	1436670	1116900
Class III	1357110	1228590	957780
Class IV	957780	861390	670140
Class V	1436670	1292850	1005210
Class VI	1516230	1372410	1069470

For the proposed project the Eco value class of forest is class III i.e. **Tropically Dry Deciduous Forest** and falls under **dense forest** category.

In view of the same, NPV amount of **₹12,28,590 per Ha.** shall be considered for the project.

Forest Diversion Proposal (7.69 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.
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A. ESTIMATION OF COST OF FOREST DIVERSION

SN	Parameters	Remarks	Cost (₹)
1	Ecosystem services losses due to proposed forest diversion	Economic value of loss of eco-system services due to diversion of forest- NPV amount calculated as Rs. 12,28,590 per Ha for 7.52 Ha of proposed forest land for diversion	92,38,997
2	Loss of animal husbandry productivity, including loss of fodder	There is no significant animal husbandry productivity or loss of fodder. However, 10% of NPV cost has been considered.	9,23,900
3	Cost of Human Settlement	No displacement of population is anticipated for the project. Hence no cost to be earmarked.	Not applicable
4	Loss of public facilities and administrative infrastructure (roads, buildings, schools, dispensaries, electric lines, railway lines etc.) on forest land or which would require forest land, if these facilities were diverted due to the project	No public facilities to be affected by project.	Not applicable
5	Possession value of the forest land diverted.	30% of environment cost (NPV) due to loss of forest or circle rate of adjoining area in the district should be added as a cost component as possession value of forest land whichever is maximum.	27,71,700
6	Cost of suffering of oustees.	No person to be displaced or resettled.	Not applicable
7	Habitat fragmentation cost.	Habitat Fragmentation cost as per MoEF&CC guidelines to be taken as 50% of NPV applicable as a thumb rule.	46,19,500
8	Compensatory afforestation and soil moisture conservation cost	CA rates as per Govt of Jharkhand including Plantation and Maintenance for 5 years (Rs. 96,775 per Ha.)	4,83,875
TOTAL(A)			₹ 1,80,37,972

Forest Diversion Proposal (7.69 Ha) for Bagru Bauxite Mine at Village--Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.
(Proposal number: FP/JH/MIN/155456/2022)



1. Increase in productivity attribute to the specific project B. BENEFIT OF FOREST DIVERSION

Minerals	Estimated Reserve (tones)	Rate per ton (₹)	Total revenue (₹)
Bauxite	887,000	2,959.37	2,62,49,58,088
Kaoline	12,67,000	570	72,21,90,000
Total			3,34,71,48,088

2. Benefits to economy due to specific project

Minerals	Royalty Amount (₹)	DMF (₹)	NMET (₹)	Covid Cess (₹)	Total revenue(₹)
Bauxite	24,60,89,821	7,38,26,946	49,21,796	1,77,40,000	34,25,78,563
Kaoline	5,77,75,200	1,73,32,560	11,55,504	0	7,62,63,264
Total					41,88,41,827

Forest Diversion Proposal (7.69 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.
(Proposal number: FP/JH/MIN/155456/2022)



3	No. of population benefited due to specific project	<ul style="list-style-type: none"> • Direct: Nil • Indirect: 76800 Mandays • Employment generated on non – forest land in afforestation programme • Locality people will have income opportunity in various ancillary work & other activities
4	Economic benefits due to direct and indirect employment due to the project	Direct- Nil Indirect: 76800*₹443 per manday= ₹ 3,40,22,400
5	Economic benefits due to compensatory afforestation	<p>Land for compensatory afforestation = 7.69 Ha. 1. Current NPV value of Land = 7.69 x ₹9,57,780 (NPV for Open forest) = ₹ 73,65,328 /- Future NPV value of land = 7.69 x ₹12,28,590 (NPV for Dense forest) = ₹94,47,857 /- Hence additional economic uplift to the forest = ₹ 20,82,529 /-</p> <p>2. Economic value of carbon storage! Change in economic value of carbon storage @ (Rs.2,70,040 - Rs.95,721)/Ha= ₹1,74,319/Ha for 60 years Thus, economic value for 50 years for 7.69 Ha of CA land = ₹11,17,094/-</p> <p>Total: ₹ 31,99,623</p>
TOTAL(B)		₹ 3,80,32,11,938

Cost to benefit ratio = (₹ 1,80,37,972)/(₹ 3,80,32,11,938)

i.e. 1:211

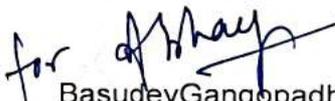
¹ Revision of rates of NPV applicable for different class/category of forests, IIFM 2014

Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Purpose-wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Area of all quarries including reclaimed area	0	51.89
2	Road	1.29	1.33
3	Stabilised O. B. Dump	0	2.64
4	Top Soil Dump	0	1.1
5	Infrastructure	0.26	0.35
6	Township	0	1
7	Balance Area not in use(mining)	5.97	9.58
Total		7.52	67.89

FOR HINDALCO INDUSTRIES LTD.

for 
BasudevGangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

Place:Lohardaga
Date: 03/01/2023

EC - Bagru

No. J-11015/585/2007-IA.II(M)
Government of India
Ministry of Environment & Forests

Paryavaran Bhavan,
C.G.O. Complex, Lodi Road,
New Delhi-110 003.

Dated the 4th February, 2011

To

M/s Hindalco Industries Limited
Bagru Hills Bauxite Mines,
Lohardaga District,
Jharkhand-835 302

Subject: Bagru Bauxite Mining Project of M/s Hindalco Industries Limited, located in Village(s) Bagru, Bhusar & Hisri, Tehsil Kisko, District Lohardaga, Jharkhand - Environmental Clearance Regarding.

Sir,

This has reference to your No. 'Nil' dated 25.06.2007 and subsequent letters dated 20.03.2008, 13.06.2008, 22.10.2008, 28.01.2009, 23.03.2009 and 09.11.2010 on the subject mentioned above. The proposal is for renewal of mining lease, which was due since April, 2005 and for production of 85,000 tonnes per annum (TPA) of bauxite and 21,120 TPA of china clay. It is noted that the Mines and Geology Department, Government of Jharkhand vide their letter No. Kha-Ni(Vividh)-19/2005 dated 23.08.2010 have transferred the mining lease of the said project from M/s Indian Aluminium Company Limited to M/s Hindalco Industries Limited. The total mine lease area of the project is 75.41ha, out of which 19.56ha is forestland, 47.35ha is wasteland (barren land), 1.76ha is water harvesting pond developed in mined out pit and 6.74ha is others (road, colony, office building and magazine). Area proposed for mining is 49.34ha, an area of 0.77ha is kept for sub-grade dump, 1.74ha for roads, 2.24ha for quarry embankment, 1.76ha for water harvesting pond and 19.56ha is forest land [(hosting crusher, ropeway and magazine built before Forest (Conservation) Act, 1980]. The Sukri Nadi and the Chanpi Nallah are located at a distance of 4.75km and 2km respectively from the mine lease boundary. No national park/wildlife sanctuary/biosphere reserve/tiger reserve etc. is reported to be located in the core and buffer zone of the mine and that the area does not report to form corridor for Schedule-I fauna. Four reserve forests namely Rudnipat RF, Pakhar RF, Salaiya RF and Banri RF and three protected forests namely Navatoli PF, Totratoli PF and Kandtoli PF are in the buffer zone of the mine. There are 1000 people residing in the colony in the core zone. It has been envisaged that the entire land falling in the lease area has been acquired and the entire project affected families resettled long back. No fresh displacement of population is envisaged. The Working will be opencast by mechanized method involving drilling and blasting. Controlled blasting with NONEL technology will be adopted. The

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targetted production capacity of the mine is 85,000TPA of bauxite and 21,120TPA of china clay. The life of the mine is 8years based on bauxite deposit. The topography of the area is a flat terrain in the plateau top at an elevation ranging from 1025m-1055m AMSL. The ultimate working depth of mine will be upto a depth of 27m from the plateau top. The water table in the core zone varies from 90m to 120m. The mine working will not intersect groundwater table. The peak water requirement of the project is estimated as 157m³ per day, out of which 30m³ per day will be met from the mine sump water and remaining 127m³ per day from the chanpi reservoir. Approximately 5964m³ per month of solid waste comprising 4197m³ per month of soil and murrum, 1003m³ per month of over burden, 557m³ per month of mineral rejects, 207m³ per month of lithomarge and 0.5m³ per month of sludge will be generated. It is estimated that 0.07million m³ per annum of solid waste will be generated, which will be concurrently backfilled. There will be no external OB dump at the end of the mine life. Plantation will be raised in an area of 50.11ha at the end of the mine life and an area of 1.76ha will be developed as water body during the post mining stage. NOC from the Jharkhand State Pollution Control Board obtained on 23.06.2006 for production capacity of 0.92LTPA of bauxite and 54TPD of china clay involving lease area of 75.41ha. Public hearing of the project was held on 27.02.2006. The Indian Bureau of Mines vide their letter No 314(3)/2010-MCCM(CZ)/MP-17 dated 09.11.2010 have approved the modified mining plan and progressive mine closure plan of the project in the name of M/s Hindalco Industries Limited for lease area of 75.41ha. The capital cost of the project is Rs.205.12lakhs.

2. The Ministry of Environment and Forests has examined the application in accordance with Section 12 of EIA Notification 2006 read with para 1.2 of the circular No.J-11013/41/2006-IA.II(I) dated 13.10.2006 and hereby accords environmental clearance under the provisions thereof to the above mentioned Bagru Bauxite Mining Project of M/s Hindalco Industries Limited for an annual production capacity of 85,000tonnes of bauxite and 21,120tonnes of china clay by opencast mechanized method involving total lease area of 75.41ha, subject to implementation of the following conditions and environmental safeguards.

A. Specific conditions

- (i) All the conditions stipulated by the State Pollution Control Board in their NOC shall be effectively implemented.
- (ii) The environmental clearance is subject to grant of forestry clearance for diversion of 19.56ha forestland.
- (iii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment & Forests and Central Ground Water Authority shall be obtained for which a detailed hydro-geological study shall be carried out.

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- (x) Plantation shall be raised in an area of 50.11ha including a 7.5m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. At least 1500 trees per year shall be planted with a tree density of 1000 trees per hectare.
- (xi) Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (xii) The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- (xiii) Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to the Ministry of Environment and Forests, its Regional Office, Bhubneshwar; Central Ground Water Authority and Central Ground Water Board.
- (xiv) The project authorities shall obtain necessary prior approval of the competent authority for drawal of requisite quantity of water (surface water and groundwater) for the project.
- (xv) Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.
- (xvi) Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
- (xvii) Drills shall either be operated with dust extractors or equipped with water injection system.
- (xviii) Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and wastewater generated from mining operations.

- (v) Data on ambient air quality (RSPM, SPM, SO₂ and NO_x) should be regularly submitted to the Ministry including its Regional office located at Bhubneshwar and the State Pollution Control Board / Central Pollution Control Board once in six months.
- (vi) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- (vii) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (viii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.
- (ix) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

- (x) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (xi) The project authorities should inform to the Regional Office located at Bhubneshwar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubneshwar.
- (xiii) The Regional Office of this Ministry located at Bhubneshwar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

9/27/-

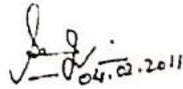
4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

5. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made thereunder and also any other orders passed by any Court of Law relating to the subject matter.

(SATISH C. GARKOTI)
Scientist 'F'

Copy to:

1. The Secretary, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
2. The Secretary, Department of Environment, Government of Jharkhand, Secretariat, Ranchi.
3. The Secretary, Department of Mines, Government of Jharkhand, Secretariat, Ranchi.
4. The Chief Wildlife Warden, Government of Jharkhand, P.O. Doranda, Ranchi.
5. The Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (EZ), A/3, Chandra Shekar, Bhubneshwar-751 023 .
6. The Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
7. The Chairman, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), HEC Campus , P.O. Dhurwa, Ranchi - 834004, Jharkhand
8. The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
9. The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
10. The District Collector, Lohardaga District, Jharkhand.
11. EI Division, Ministry of Environment & Forests, EI Division, New Delhi.
12. Monitoring File.
13. Guard File.
14. Record File.


(SATISH C. GARKOTI)
Scientist 'F'

Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Undertaking Regarding Payment of Cost for Compensatory Afforestation

M/s Hindalco Industries Limited, hereby, undertake to pay the entire amount of Compensatory Afforestation in lieu of the 7.52 Ha Forest land being diverted proposed for Mining operation in the **Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand** by M/s Hindalco Industries Ltd. as per prevailing wage rates at the time of plantation.

FOR HINDALCO INDUSTRIES LTD.

**Basudev Gangopadhyay |
Sr.GM (Geology & Environment)
(Authorized Signatory)**

Place: Lohardaga

Date: 11/05/2022

Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.

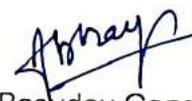


Undertaking regarding Forest Rights Act, 2006 Certificate

The NOC for the Forest Rights Act, 2006 was issued by the O/o Deputy Commissioner, Lohardaga dated 07/02/2014 has been submitted with the proposal. M/s Hindalco Industries Limited, hereby undertake that the new Forest Rights Act, 2006 certificate as per the prescribed format of the MoEF&CC may be submitted before Stage-II compliance as per the MoEF&CC guidelines dated 26 February 2019.

This is for your kind perusal and necessary action please.

FOR HINDALCO INDUSTRIES LTD.

for 

Basudev Gangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

Place: Lohardaga
Date: 03/01/2023

Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Undertaking For Payment of Net Present Value (NPV) of Forest Area

M/s Hindalco Industries Limited, hereby, undertake to pay the entire amount of Compensatory for 7.52 Ha Forest land being diverted proposed for Mining operation in the **Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.** as per prevailing wage rates at the time of plantation.

I / We, hereby undertake to pay the Net Present Value (NPV) of the above forest land and other cost if any, as decided by the State Government or as per decision of Hon'ble Supreme Court of India. In case of revision of rates, the additional amount will also be paid by the user agency.

Place: Lohardaga

Date: 11/05/2022

FOR HINDALCO INDUSTRIES LTD.

**Basudev Gangopadhyay
Sr.GM (Geology & Environment)
(Authorized Signatory)**

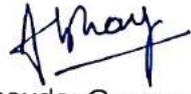
Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Undertaking regarding any work carried out in violation of the act or guidelines issued under Forest (Conservation) Act, 1980

M/s Hindalco Industries Limited, hereby, certify that there is no any work carried out in violation of the act or guidelines issued under Forest (Conservation) Act, 1980 and the company will not start any activity in the forest land without obtaining prior approval of the competent authority.

FOR HINDALCO INDUSTRIES LTD.

for 
BasudevGangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

Place:Lohardaga

Date: 03/01/2023



कार्यालय:- वन प्रमण्डल पदाधिकारी, मेदिनीनगर वन
प्रमण्डल, मेदिनीनगर।

Email-dfomedininagarforestdivision@gmail.com & dfomedininagar@gov.in

Phone No-06562-222536



पत्रांक-1893 दिनांक- 21/06/21

प्रेषक,

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

सेवा में,

श्री वासुदेव गंगोपाध्याय,
Gm & Head (Geology & Environment)
हिण्डालको इन्डस्ट्रीज लिमिटेड,
लोहरदगा।

विषय:-

पलामू जिलान्तर्गत मौजा- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना-हुसैनाबाद, थाना नं०- 476 के नया (RS) खाता संख्या-1 एवं 2, प्लॉट संख्या- 302,304,305,308,309 एवं 318, पुराना (CS) खाता संख्या-20 एवं 21, प्लॉट संख्या- 76,78 एवं 94 में रकबा 19 एकड़ गैर वन भूमि को क्षतिपूरक वनरोपण हेतु उपयुक्तता प्रमाण-पत्र निर्गत करने के संबंध में।

प्रसंग:-

आपका पत्रांक HIL/JH/LHD/FC/BAG/153A, दिनांक 06.07.2020 एवं पत्रांक HIL/JH/LHD/FC/BAG/91, दिनांक 18.06.2021

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र के आलोक में पलामू जिलान्तर्गत मौजा- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना- हुसैनाबाद, थाना संख्या-476 के नया (RS) खाता संख्या-1 एवं 2, प्लॉट संख्या- 302,304,305,308,309 एवं 318, पुराना (CS) खाता संख्या-20 एवं 21, प्लॉट संख्या- 76,78 एवं 94 में रकबा 19 एकड़ गैर वन भूमि को क्षतिपूरक वनरोपण हेतु उपयुक्तता संबंधी उपयुक्तता प्रमाण पत्र (Suitability Certificate) बगरू बोक्साईट माईंस हिण्डालको इन्डस्ट्रीज लिमिटेड, लोहरदगा, जिला-लोहरदगा हेतु निर्गत करने का अनुरोध किया गया है।

1- अंचल अधिकारी, हुसैनाबाद अंचल के पत्रांक 118, दिनांक 03.08.2020 द्वारा प्राप्त स्वामित्व प्रमाण के अनुसार उक्त भूमि पर श्री विजय कान्त डे, पिता- राधा कान्त डे, ग्राम- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना- हुसैनाबाद, थाना संख्या-476 वगैरह के नाम जमा बन्दी कायम है तथा उक्त भूमि स्वामियों द्वारा आपके कम्पनी के प्राधिकृत प्रतिनिधि को बिक्री हेतु एकरारनामा किया गया है।

2- जिला अवर निबंधक, पलामू के पत्रांक 344 दिनांक 03.11.2020 द्वारा संपत्ति अवभार प्रमाण पत्र निर्गत किया गया है।

3- अपर समाहर्ता, पलामू, मेदिनीनगर का पत्रांक 1025 दिनांक 04.08.2020 द्वारा अंचल- हुसैनाबाद अन्तर्गत मौजा- जुझार सिकरी, थाना नं०-476, जिला- पलामू का अनापति प्रमाण पत्र प्राप्त है।

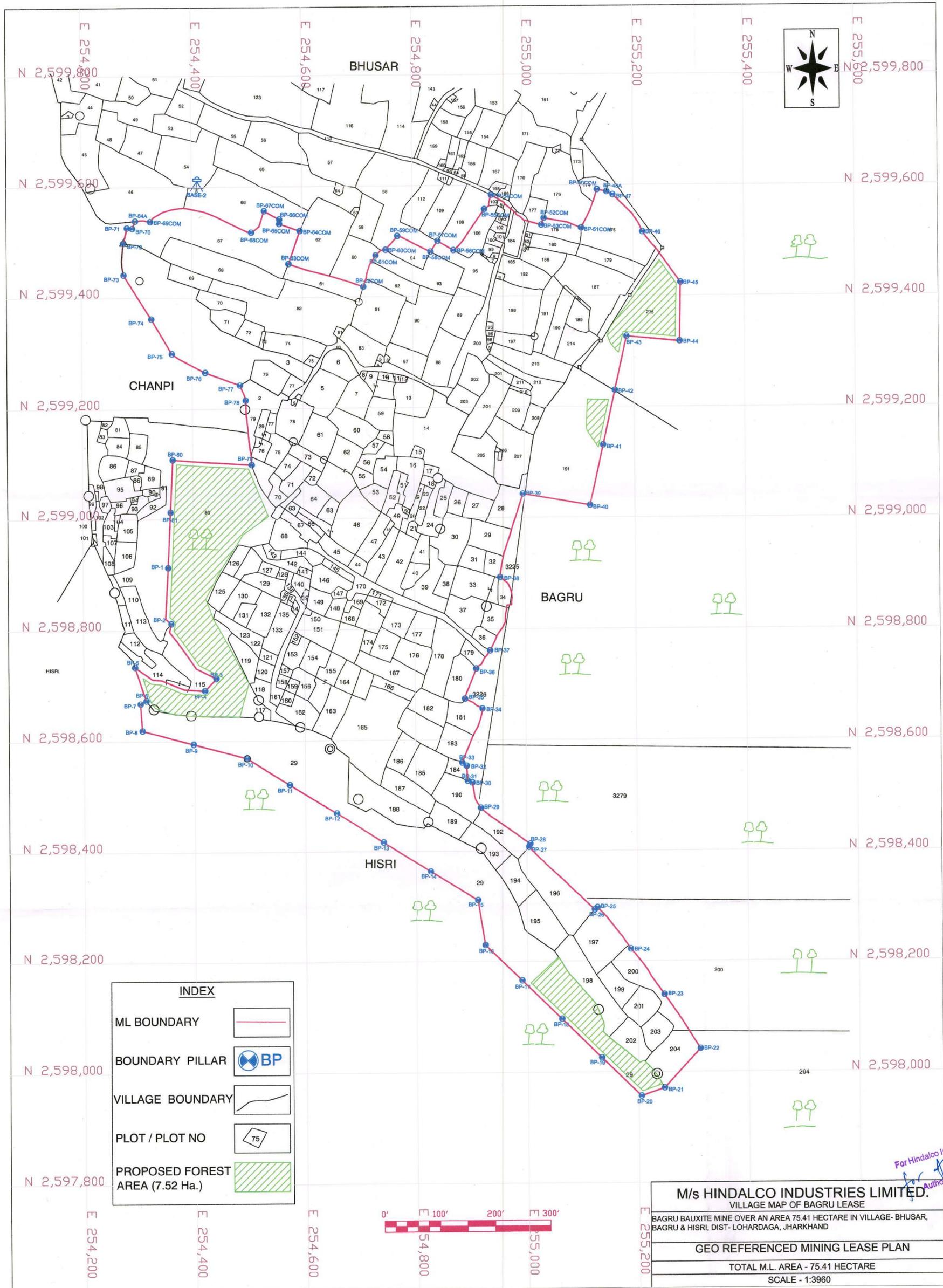
4- उपरोक्त 19 एकड़ गैर वन भूमि का विवरणी के साथ मानचित्र की एक प्रति इस पत्र के साथ संलग्न है। वन क्षेत्र पदाधिकारी, छतरपुर पश्चिमी वन प्रक्षेत्र के पत्रांक 04 दिनांक 27.01.2021 द्वारा संयुक्त जांच प्रतिवेदन एवं अंचल अधिकारी, हुसैनाबाद द्वारा निर्गत स्वामित्व प्रमाण पत्र के आलोक में 19 एकड़ चिन्हित गैर वन भूमि का क्षतिपूरक वनरोपण हेतु ग्राह्य प्रमाण पत्र निर्गत (Suitability Certificate) बगरू बोक्सईट .माईस हिण्डालको इन्डस्ट्रीज लिमिटेड, लोहरदगा, जिला-लोहरदगा हेतु इस शर्तों के साथ निर्गत किया जाता है कि भविष्य में यदि उक्त वर्णित भूमि पर यदि किसी प्रकार का गैर वानिकी कार्य, स्वामित्व संबंधी विवाद, किसी बैंक से ऋण प्राप्ति की सूचना या अतिक्रमण पाया जाता है तो यह भूमि क्षतिपूरक वनरोपण के लिए ग्राह्य नहीं होगा। भविष्य में यदि कोई आवेदित प्लॉट/भूमि माननीय सर्वोच्च न्यायालय द्वारा सिविल रिट याचिका संख्या- 202/95 में पारित अंतरिम आदेशानुसार पारिभाषित वन भूमि की श्रेणी में आता है एवं उस पर कोई गैर वानिकी कार्य किया जाता है तो दिया गया उपयुक्तता प्रमाण पत्र स्वतः रद्द समझा जायेगा।

अनु0-यथोक्त।

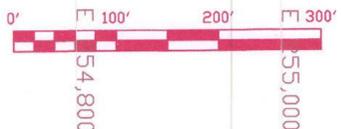
विश्वासभाजन

24-6-2021
वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

24/6/21



INDEX	
ML BOUNDARY	
BOUNDARY PILLAR	
VILLAGE BOUNDARY	
PLOT / PLOT NO	
PROPOSED FOREST AREA (7.52 Ha.)	



M/s HINDALCO INDUSTRIES LIMITED.
 VILLAGE MAP OF BAGRU LEASE
 BAGRU BAUXITE MINE OVER AN AREA 75.41 HECTARE IN VILLAGE- BHUSAR, BAGRU & HISRI, DIST- LOHARDAGA, JHARKHAND
GEO REFERENCED MINING LEASE PLAN
 TOTAL M.L. AREA - 75.41 HECTARE
 SCALE - 1:3960

For Hindalco Industries Ltd.

 Authorized Signatory

Village	Thana No.	Khata No.	Plot No.	Area (Acres)	Surrender of part forest land Area (Acres)	RENEWAL APPLIED AREA-75.41 Ha.			Classification of Land
						Non-Forest Revenue Land Area (Acres)	Forest Land Mineralised Area (Acres)	TOTAL AREA (Acres)	
Bhusar			210	0.08		0.08		0.08	Parti Nala
Bhusar			211	0.14		0.14		0.14	Don III
Bhusar			212	0.89		0.89		0.89	Parti Kadim
Bhusar			213	1.23		1.23		1.23	Tanr I
Bhusar			214	0.85		0.85		0.85	Tanr II
Bhusar			215 (Part)	5.42	0.00	0.00	5.42	5.42	Gair Majurwa jungle
Bhusar				54.56	0.00	49.14	5.42		
Hisri			29 (Part)	35.30	16.03	0.00	19.27	19.27	Gair Majurwa jungle
Hisri				35.30	16.03	0.00	19.27		
TOTAL (Acres)				239.30	52.96	138.00	48.34	186.34	
TOTAL (Hectares)				96.84	21.43	55.85	19.56	75.41	

SUMMARY:									
Bagru				149.44	36.93	88.86	23.65	112.51	
Bhusar				54.56	0.00	49.14	5.42	54.56	
Hisri				35.30	16.03	0.00	19.27	19.27	
TOTAL (Acres)				239.30	52.96	138.00	48.34	186.34	
TOTAL (Hectares)				96.84	21.43	55.85	19.56	75.41	

For Hindalco Industries Ltd.

KJW
Agent of Mines

Donwar
सहायक खनन पदाधिकारी
लोहरदगा

LAND SCHEDULE

Bagru (75.41 Ha) Bauxite Mines Lease under Village- Bagru, Bhusar and Hisri

Village	Thana No.	Khata No.	Plot No.	Area (Acres)	Surrender of part forest land Area (Acres)	RENEWAL APPLIED AREA-75.41 Ha.			Classification of Land
						Non-Forest Revenue Land Area (Acres)	Forest Land Mineralised Area (Acres)	TOTAL AREA (Acres)	
Bagru			2	0.63					
Bagru			3	0.68			0.63		Parti Kadim
Bagru			4	0.09			0.68		Tanr
Bagru			5	0.94			0.09		Tanr
Bagru			6	0.62			0.94		Tanr I
Bagru			7	0.73			0.62		Tanr I
Bagru			8	0.09			0.73		Tanr II
Bagru			9	0.34			0.09		Bari I
Bagru			10	0.14			0.34		Parti Kadim
Bagru			11	0.03			0.14		House I
Bagru			12	0.14			0.03		House II
Bagru			13	0.89			0.14		House I
Bagru			14	3.45			0.89		Homestand I
Bagru			15	0.11			3.45		Tanr III
Bagru			16	0.67			0.11		Don III
Bagru			17	0.13			0.67		Don II
Bagru			18	0.14			0.13		Don II
Bagru			19	0.16			0.14		Don II
Bagru			20	0.18			0.16		Don II
Bagru			21	0.14			0.18		Don II
Bagru			22	0.22			0.14		Don III
Bagru			23	0.05			0.22		Don III
Bagru			24	0.53			0.05		Parti Kadim
Bagru			25	0.32			0.53		Don III
Bagru			26	0.36			0.32		Tanr II
Bagru			27	0.52			0.36		Tanr
Bagru			28	0.73			0.52		Tanr III
Bagru			29	0.81			0.73		Tanr II
Bagru			30	1.10			0.81		Tanr II
Bagru			31	0.46			1.10		Tanr
Bagru			32	0.26			0.46		Tanr III
Bagru			33	0.90			0.26		Parti Kadim
Bagru			34	0.23			0.90		Tanr III
Bagru			35	0.48			0.23		Tanr III
Bagru			36	0.29			0.48		Parti Kadim
Bagru			37	0.98			0.29		Tanr
Bagru			38	0.37			0.98		Tanr III
Bagru			39	1.06			0.37		Tanr III
Bagru			40	0.31			1.06		Tanr
Bagru			41	0.37			0.31		Tanr II
Bagru			42	1.18			0.37		Tanr II
Bagru			43	0.60			1.18		Tanr II
Bagru			44	0.60			0.60		Tanr
Bagru			45	0.43			0.60		Don III
Bagru			46	1.80			0.43		Parti Kadim
Bagru			47	0.66			1.80		Tanr
Bagru			48	0.05			0.66		Tanr II
							0.05		Tanr III

For Hindalco Industries Ltd.

MW
Agent of Mines

Donor
सहायक खनन पदाधिकारी
लोहरदगा

Village	Thana No.	Khata No.	Plot No.	Area (Acres)	Surrender of part forest land Area (Acres)	RENEWAL APPLIED AREA-75.41 Ha.			Classification of Land
						Non-Forest Revenue Land Area (Acres)	Forest Land Mineralised Area (Acres)	TOTAL AREA (Acres)	
Bagru			49	0.54		0.54		0.54	Don II
Bagru			50	0.06		0.06		0.06	Don II
Bagru			51	0.21		0.21		0.21	Don II
Bagru			52	0.29		0.29		0.29	Tanr II
Bagru			53	0.43		0.43		0.43	Don II
Bagru			54	0.37		0.37		0.37	Don III
Bagru			55	0.25		0.25		0.25	Tanr II
Bagru			56	0.37		0.37		0.37	Tanr II
Bagru			57	0.15		0.15		0.15	Tanr II
Bagru			58	0.12		0.12		0.12	Tanr II
Bagru			59	0.69		0.69		0.69	Tanr II
Bagru			60	0.85		0.85		0.85	Tanr II
Bagru			61	0.86		0.86		0.86	Tanr II
Bagru			62	1.44		1.44		1.44	Tanr II
Bagru			63	0.31		0.31		0.31	Tanr III
Bagru			64	0.63		0.63		0.63	Tanr II
Bagru			65	0.11		0.11		0.11	Tanr
Bagru			66	0.15		0.15		0.15	Don
Bagru			67	0.59		0.59		0.59	Don
Bagru			68	0.69		0.69		0.69	Parti Kadim
Bagru			69	0.08		0.08		0.08	Tanr
Bagru			70	0.05		0.05		0.05	Parti Kadim
Bagru			71	0.67		0.67		0.67	Tanr II
Bagru			72	0.13		0.13		0.13	Home stead
Bagru			73	0.48		0.48		0.48	Tanr II
Bagru			74	0.71		0.71		0.71	Tanr II
Bagru			75	0.44		0.44		0.44	Tanr II
Bagru			76	0.22		0.22		0.22	Tanr III
Bagru			77	0.17		0.17		0.17	Tanr
Bagru			78	0.26		0.26		0.26	Don
Bagru			79	0.21		0.21		0.21	Parti Kadim
Bagru			80	14.00	1.95	0.00	12.05	12.05	Part jungle majhoin
Bagru			114	0.14		0.14		0.14	Daldaliya II
Bagru			116	2.50		0.00	2.50	2.50	Jungle majhoin
Bagru			117	0.17		0.17		0.17	Tanr
Bagru			118	0.41		0.41		0.41	Parti Kadim
Bagru			119	0.51		0.51		0.51	Tanr III
Bagru			120	0.25		0.25		0.25	Tanr
Bagru			121	0.18		0.18		0.18	Tanr
Bagru			122	0.21		0.21		0.21	Tanr II
Bagru			123	0.25		0.25		0.25	Tanr III
Bagru			124	0.13		0.13		0.13	Tanr II
Bagru			125	0.54		0.54		0.54	Tanr II
Bagru			126	0.66		0.66		0.66	Tanr
Bagru			127	0.20		0.20		0.20	Tanr II
Bagru			128	0.09		0.09		0.09	House 3, Courtyard 1
Bagru			129	0.52		0.52		0.52	Tanr I
Bagru			130	0.56		0.56		0.56	Tanr I
Bagru			131	0.29		0.29		0.29	Tanr I

For Hindalco Industries Ltd.

MW
Agent of Mines

Deborah
सहायक खनन पदाधिकारी
लोहरदगा

Village	Thana No.	Khata No.	Plot No.	Area (Acres)	Surrender of part forest land Area (Acres)	RENEWAL APPLIED AREA-75.41 Ha.			Classification of Land
						Non-Forest Revenue Land Area (Acres)	Forest Land Mineralised Area (Acres)	TOTAL AREA (Acres)	
Bagru			132	0.69		0.69		0.69	Tanr I
Bagru			133	0.79		0.79		0.79	Home stead
Bagru			134	0.04		0.04		0.04	House 2
Bagru			135	0.02		0.02		0.02	House 1
Bagru			136	0.09		0.09		0.09	House 3, Courtyard
Bagru			137	0.02		0.02		0.02	Akhara
Bagru			138	0.19		0.19		0.19	Road
Bagru			139	0.04		0.04		0.04	Home stead I
Bagru			140	0.28		0.28		0.28	Homestead Tanr I
Bagru			141	0.09		0.09		0.09	Tanr III
Bagru			142	0.43		0.43		0.43	Parti Kadim
Bagru			143	0.15		0.15		0.15	Don II
Bagru			144	0.28		0.28		0.28	Don
Bagru			145	0.20		0.20		0.20	Don III
Bagru			146	0.59		0.59		0.59	Don II
Bagru			147	0.89		0.89		0.89	Road
Bagru			148	0.29		0.29		0.29	Tanr II
Bagru			149	0.47		0.47		0.47	Tanr I
Bagru			150	0.07		0.07		0.07	House 1
Bagru			151	0.84		0.84		0.84	Homestead
Bagru			152	0.06		0.06		0.06	Homestead I
Bagru			153	0.37		0.37		0.37	Homestead
Bagru			154	0.54		0.54		0.54	Tanr
Bagru			155	0.81		0.81		0.81	Tanr
Bagru			156	0.35		0.35		0.35	Don
Bagru			157	0.10		0.10		0.10	Tanr
Bagru			158	0.13		0.13		0.13	Don
Bagru			159	0.11		0.11		0.11	Don
Bagru			160	0.12		0.12		0.12	Tanr
Bagru			161	0.15		0.15		0.15	Tanr
Bagru			162	0.67		0.67		0.67	Tanr
Bagru			163	0.90		0.90		0.90	Tanr
Bagru			164	0.37		0.37		0.37	Tanr
Bagru			165	3.85		3.85		3.85	Tanr
Bagru			166	0.36		0.36		0.36	Tanr II
Bagru			167	1.63		1.63		1.63	Tanr II
Bagru			168	0.19		0.19		0.19	Homestead I
Bagru			169	0.69		0.69		0.69	Homestead I
Bagru			170	0.84		0.84		0.84	Road
Bagru			171	0.13		0.13		0.13	Road
Bagru			172	0.16		0.16		0.16	Tanr II
Bagru			173	1.02		1.02		1.02	Tanr II
Bagru			174	0.18		0.18		0.18	Don II
Bagru			175	0.51		0.51		0.51	Tanr II
Bagru			176	0.63		0.63		0.63	Don III
Bagru			177	0.57		0.57		0.57	Tanr I
Bagru			178	1.47		1.47		1.47	Tanr II
Bagru			179	0.26		0.26		0.26	Tanr II
Bagru			180	0.75		0.75		0.75	Tanr II

For Hindalco Industries Ltd.

Agent of Mines

सहायक खनन पदाधिकारी
लोहरदगा

Village	Thana No.	Khata No.	Plot No.	Area (Acres)	Surrender of part forest land Area (Acres)	RENEWAL APPLIED AREA-75.41 Ha.			Classification of Land
						Non-Forest Revenue Land Area (Acres)	Forest Land Mineralised Area (Acres)	TOTAL AREA (Acres)	
Bagru			181	0.60		0.60		0.60	Tanr
Bagru			182	0.78		0.78		0.78	Tanr
Bagru			183	0.72		0.72		0.72	Tanr
Bagru			184	0.30		0.30		0.30	Tanr II
Bagru			185	1.95		1.95		1.95	Tanr
Bagru			186	0.62		0.62		0.62	Tanr
Bagru			187	0.90		0.90		0.90	Tanr
Bagru			188	1.68		1.68		1.68	Tanr
Bagru			189	0.61		0.61		0.61	Tanr
Bagru			190	1.12		1.12		1.12	Parti Kadim
Bagru			191	27.36	20.49	0.00	6.87	6.87	Part jungle majhoin
Bagru			192	0.92		0.92		0.92	Tanr III
Bagru			193	0.69		0.69		0.69	Tanr
Bagru			194	0.72		0.72		0.72	Tanr
Bagru			195	1.21		1.21		1.21	Tanr
Bagru			196	2.06		2.06		2.06	Tanr
Bagru			197	1.58		1.58		1.58	Tanr III
Bagru			198	1.80		1.80		1.80	Tanr III
Bagru			199	0.69		0.69		0.69	Tanr
Bagru			200	4.88	3.75	0.00	1.13	1.13	Part jungle majhoin
Bagru			201	0.69		0.69		0.69	Tanr
Bagru			202	0.78		0.78		0.78	Tanr
Bagru			203	0.56		0.56		0.56	Tanr
Bagru			204	4.34	3.24	0.00	1.10	1.10	Part jungle majhoin
Bagru			3219	7.50	7.50	0.00	0.00	0.00	Part jungle
Bagru				149.44	36.93	88.86	23.65		
Bhusar			61	0.95		0.95		0.95	Tanr II
Bhusar			70	0.58		0.58		0.58	Tanr II
Bhusar			71	0.50		0.50		0.50	Tanr II
Bhusar			72	0.40		0.40		0.40	Tanr II
Bhusar			73	0.04		0.04		0.04	Parti Tanr
Bhusar			74	0.91		0.91		0.91	Tanr I
Bhusar			75	0.09		0.09		0.09	House and Courtyard
Bhusar			76	0.70		0.70		0.70	Tanr II
Bhusar			77	0.19		0.19		0.19	Homestead Tanr I
Bhusar			78	0.91		0.91		0.91	Homestead Tanr I
Bhusar			79	0.04		0.04		0.04	Homestead
Bhusar			80	0.67		0.67		0.67	GairMajurwaAam Road
Bhusar			81	0.08		0.08		0.08	House Courtyard
Bhusar			82	5.07		5.07		5.07	Tanr II
Bhusar			83	0.82		0.82		0.82	Homestead Tanr I
Bhusar			84	0.04		0.04		0.04	Homestead Tanr I
Bhusar			85	0.09		0.09		0.09	Homestead
Bhusar			86	0.04		0.04		0.04	House and Courtyard
Bhusar			87	0.68		0.68		0.68	Homestead Tanr I
Bhusar			88	1.10		1.10		1.10	Homestead Tanr II
Bhusar			89	1.10		1.10		1.10	Homestead Tanr II
Bhusar			90	1.96		1.96		1.96	Homestead Tanr II
Bhusar			91	1.79		1.79		1.79	Tanr II

For Hindalco Industries Ltd.

MM
Agent of Mines

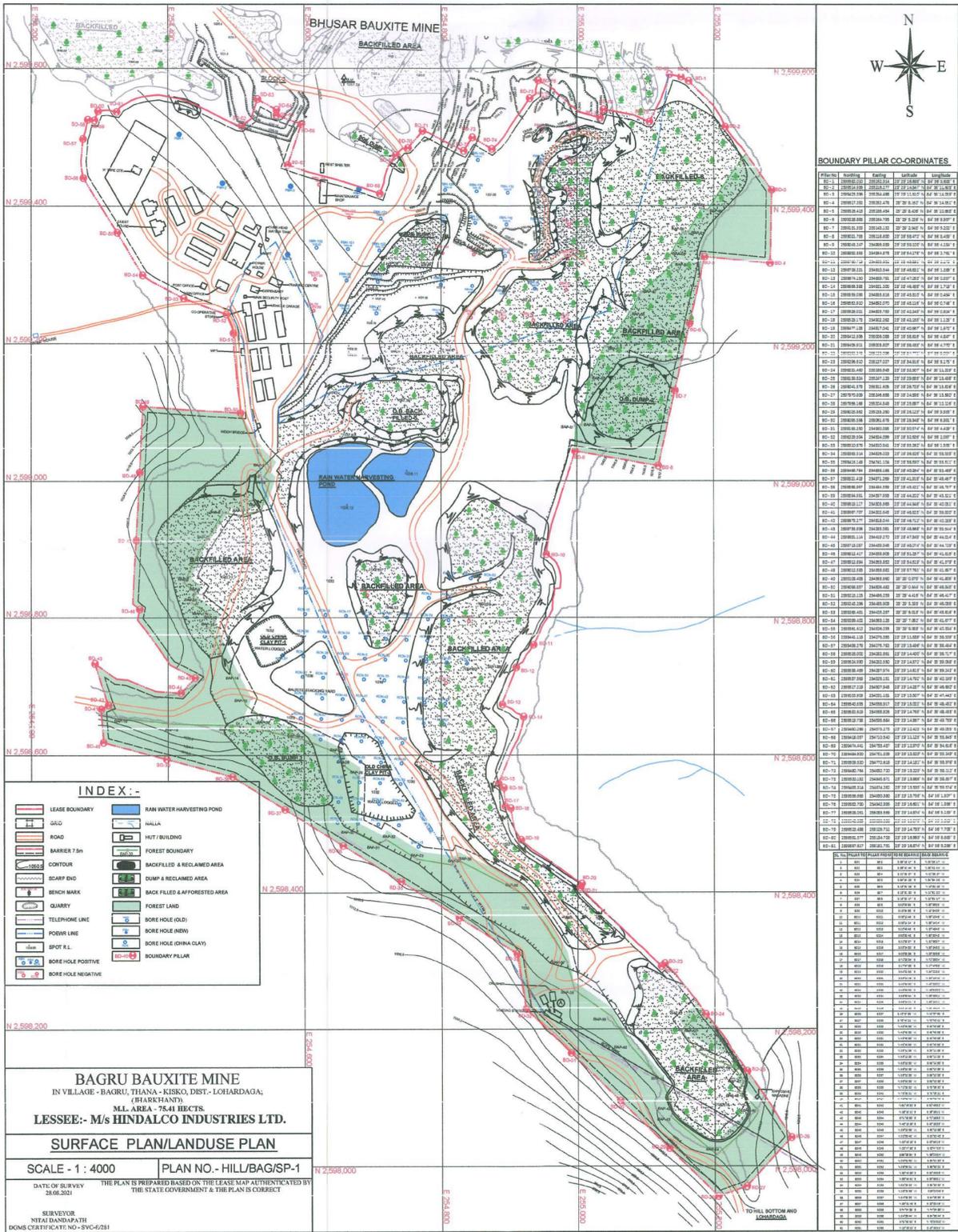
Lawlor
सहायक खनन पदाधिकारी
लोहरदगा

Village	Thana No.	Khata No.	Plot No.	Area (Acres)	Surrender of part forest land Area (Acres)	RENEWAL APPLIED AREA-75.41 Ha.			Classification of Land
						Non-Forest Revenue Land Area (Acres)	Forest Land Mineralised Area (Acres)	TOTAL AREA (Acres)	
Bhusar			92	0.78		0.78		0.78	Tanr II
Bhusar			93	1.56		1.56		1.56	Tanr II
Bhusar			94	0.61		0.61		0.61	Tanr II
Bhusar			95	1.22		1.22		1.22	Homestead Tanr I
Bhusar			96	0.02		0.02		0.02	Road
Bhusar			97	0.03		0.03		0.03	Road
Bhusar			98	0.05		0.05		0.05	Homestead Tanr I
Bhusar			99	0.14		0.14		0.14	Homestead
Bhusar			100	0.14		0.14		0.14	Homestead Tanr I
Bhusar			101	0.08		0.08		0.08	Homestead
Bhusar			102	0.12		0.12		0.12	House and Courtyard
Bhusar			103	0.10		0.10		0.10	House and Courtyard
Bhusar			104	0.10		0.10		0.10	House and Courtyard
Bhusar			105	0.04		0.04		0.04	Gair Majurwa Aam
Bhusar			106	0.78		0.78		0.78	Homestead Tanr I
Bhusar			107	0.07		0.07		0.07	House and Courtyard
Bhusar			175	2.54		2.54		2.54	Tanr II
Bhusar			178	0.70		0.70		0.70	Homestead Tanr I
Bhusar			179	0.81		0.81		0.81	Homestead Tanr II
Bhusar			180	0.50		0.50		0.50	Homestead Tanr I
Bhusar			181	0.03		0.03		0.03	Homestead Tanr I
Bhusar			182	0.05		0.05		0.05	House and Courtyard
Bhusar			183	0.02		0.02		0.02	Homestead Tanr I
Bhusar			184	0.46		0.46		0.46	Homestead Tanr I
Bhusar			185	0.17		0.17		0.17	Road
Bhusar			186	0.68		0.68		0.68	Homestead Tanr I
Bhusar			187	2.36		2.36		2.36	Tanr II
Bhusar			188	0.04		0.04		0.04	Parti Kadim
Bhusar			189	0.45		0.45		0.45	Tanr II
Bhusar			190	0.79		0.79		0.79	Tanr II
Bhusar			191	0.87		0.87		0.87	Homestead Tanr I
Bhusar			192	0.86		0.86		0.86	Homestead Tanr I
Bhusar			193	0.06		0.06		0.06	House and Courtyard
Bhusar			194	1.85		1.85		1.85	Homestead Tanr I
Bhusar			195	0.06		0.06		0.06	Homestead Tanr I
Bhusar			196	0.05		0.05		0.05	Homestead Kharihan
Bhusar			197	0.49		0.49		0.49	Homestead Tanr I
Bhusar			198	0.06		0.06		0.06	Homestead Kharihan
Bhusar			199	0.02		0.02		0.02	Homestead
Bhusar			200	1.20		1.20		1.20	Road
Bhusar			201	0.28		0.28		0.28	Don III
Bhusar			202	0.68		0.68		0.68	Tanr II
Bhusar			203	0.48		0.48		0.48	Tanr II
Bhusar			204	1.14		1.14		1.14	Tanr II
Bhusar			205	0.99		0.99		0.99	Tanr II
Bhusar			206	0.04		0.04		0.04	Parti Kadim
Bhusar			207	1.63		1.63		1.63	Tanr II
Bhusar			208	0.31		0.31		0.31	Tanr II
Bhusar			209	0.69		0.69		0.69	Tanr II

For Hindalco Industries Ltd.

BYW
Agent of Mines

20/08/88
सहायक खनन पदाधिकारी
लोहरदगा



BOUNDARY PILLAR CO-ORDINATES

Pillar No.	Northing	Easting	Latitude	Longitude
BP-1	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-2	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-3	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-4	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-5	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-6	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-7	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-8	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-9	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-10	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-11	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-12	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-13	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-14	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-15	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-16	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-17	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-18	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-19	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-20	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-21	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-22	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-23	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-24	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-25	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-26	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-27	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-28	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-29	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-30	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-31	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-32	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-33	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-34	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-35	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-36	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-37	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-38	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-39	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-40	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-41	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-42	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-43	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-44	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-45	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-46	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-47	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-48	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-49	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-50	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-51	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-52	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-53	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-54	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-55	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-56	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-57	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-58	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-59	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-60	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-61	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-62	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-63	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-64	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-65	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-66	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-67	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-68	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-69	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-70	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-71	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-72	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-73	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-74	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-75	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-76	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-77	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-78	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-79	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-80	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-81	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-82	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-83	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-84	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-85	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-86	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-87	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-88	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-89	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-90	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-91	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-92	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-93	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-94	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-95	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-96	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-97	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-98	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-99	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E
BP-100	2588000.00	2588000.00	25° 58' 00.00" N	76° 58' 00.00" E

INDEX :-

- LEASE BOUNDARY
- GAD
- ROAD
- BARRIER 7.5m
- CONTOUR
- SCARP END
- BENCH MARK
- QUARRY
- TELEPHONE LINE
- POWER LINE
- SPOT R.L.
- BORE HOLE POSITIVE
- BORE HOLE NEGATIVE
- RAIN WATER HARVESTING POND
- HALLA
- HUT/BUILDING
- FOREST BOUNDARY
- BACKFILLED & RECLAIMED AREA
- DUMP & RECLAIMED AREA
- BACK FILLED & AFFORESTED AREA
- FOREST LAND
- BORE HOLE (OLD)
- BORE HOLE (NEW)
- BORE HOLE (HINA CLAY)
- BOUNDARY PILLAR

BAGRU BAUXITE MINE
 IN VILLAGE - BAGRU, THANA - KIEKO, DIST. - LOHARDAGA,
 (BARKHAND).
 M.L. AREA - 75.41 HECTS.
LESSEE:- M/s HINDALCO INDUSTRIES LTD.
SURFACE PLAN/LANDUSE PLAN

SCALE - 1 : 4000 PLAN NO. - HILL/BAG/SP-1
 DATE OF SURVEY 26/08/2021 THE PLAN IS PREPARED BASED ON THE LEASE MAP AUTHENTICATED BY THE STATE GOVERNMENT & THE PLAN IS CORRECT
 SURVEYOR: NITAI DANDAPATI DOMS CERTIFICATE NO - SVC-6/281

For Hindalco Industries Ltd.
(Signature)
 Authorised Signatory

Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Undertaking regarding Forest Rights Act, 2006 Certificate

The NOC for the Forest Rights Act, 2006 was issued by the O/o Deputy Commissioner, Lohardaga dated 07/02/2014 has been submitted with the proposal. M/s Hindalco Industries Limited, hereby undertake that the new Forest Rights Act, 2006 certificate as per the prescribed format of the MoEF&CC may be submitted before Stage-II compliance as per the MoEF&CC guidelines dated 26 February 2019.

This is for your kind perusal and necessary action please.

FOR HINDALCO INDUSTRIES LTD.

for 

Basudev Gangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

Place: Lohardaga
Date: 03/01/2023



कार्यालय:- वन प्रमण्डल पदाधिकारी, मेदिनीनगर वन प्रमण्डल, मेदिनीनगर।

Email-dfomedininagarforestdivision@gmail.com & df-to-medininagar@gov.in

Phone No-06502-222536



पत्रांक-1893 दिनांक- 21/06/21

प्रेषक,

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

सेवा में,

श्री बासुदेव गंगोपाध्याय,
Gm & Head (Geology & Environment)
हिण्डालको इन्डस्ट्रीज लिमिटेड,
लोहरदगा।

विषय:-

पलामू जिलान्तर्गत मौजा- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना-हुसैनाबाद, थाना नं०- 476 के नया (RS) खाता संख्या-1 एवं 2, प्लॉट संख्या- 302,304,305,308,309 एवं 318, पुराना (CS) खाता संख्या-20 एवं 21, प्लॉट संख्या- 76,78 एवं 94 में रकबा 19 एकड़ गैर वन भूमि को क्षतिपूरक वनरोपण हेतु उपयुक्तता प्रमाण-पत्र निर्गत करने के संबंध में।

प्रसंग:-

आपका पत्रांक HIL/JH/LHD/FC/BAG/153A, दिनांक 06.07.2020 एवं पत्रांक HIL/JH/LHD/FC/BAG 91, दिनांक 18.06.2021

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र के आलोक में पलामू जिलान्तर्गत मौजा- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना- हुसैनाबाद, थाना संख्या-476 के नया (RS) खाता संख्या-1 एवं 2, प्लॉट संख्या- 302,304,305,308,309 एवं 318, पुराना (CS) खाता संख्या-20 एवं 21, प्लॉट संख्या- 76,78 एवं 94 में रकबा 19 एकड़ गैर वन भूमि को क्षतिपूरक वनरोपण हेतु उपयुक्तता संबंधी उपयुक्तता प्रमाण पत्र (Suitability Certificate) बगरू बोक्साईट माईंस हिण्डालको इन्डस्ट्रीज लिमिटेड, लोहरदगा, जिला-लोहरदगा हेतु निर्गत करने का अनुरोध किया गया है।

1- अंचल अधिकारी, हुसैनाबाद अंचल के पत्रांक 118, दिनांक 03.08.2020 द्वारा प्राप्त स्वामित्व प्रमाण के अनुसार उक्त भूमि पर श्री विजय कान्त डे, पिता- राधा कान्त डे, ग्राम- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना- हुसैनाबाद, थाना संख्या-476 वगैरह के नाम जमा बन्दी कायम है तथा उक्त भूमि स्वामियों द्वारा आपके कम्पनी के प्राधिकृत प्रतिनिधि को बिक्री हेतु एकरारनामा किया गया है।

2- जिला अवर निबंधक, पलामू के पत्रांक 344 दिनांक 03.11.2020 द्वारा संपति अवभार प्रमाण पत्र निर्गत किया गया है।

3- अपर समाहर्ता, पलामू, मेदिनीनगर का पत्रांक 1025 दिनांक 04.08.2020 द्वारा अंचल- हुसैनाबाद अन्तर्गत मौजा- जुझार सिकरी, थाना नं०-476, जिला- पलामू का अनापति प्रमाण पत्र प्राप्त है।

4- उपरोक्त 19 एकड़ गैर वन भूमि का विवरणी के साथ मानचित्र की एक प्रति इस पत्र के साथ संलग्न है। वन क्षेत्र पदाधिकारी, छतरपुर पश्चिमी वन प्रक्षेत्र के पत्रांक 04 दिनांक 27.01.2021 द्वारा संयुक्त जांच प्रतिवेदन एवं अंचल अधिकारी, हुसैनाबाद द्वारा निर्गत स्वामित्व प्रमाण पत्र के आलोक में 19 एकड़ चिन्हित गैर वन भूमि का क्षतिपूरक वनरोपण हेतु ग्राह्य प्रमाण पत्र निर्गत (Suitability Certificate) बगरू बोकसाईट माईस हिण्डालको इन्डस्ट्रीज लिमिटेड, लोहरदगा, जिला-लोहरदगा हेतु इस शर्तों के साथ निर्गत किया जाता है कि भविष्य में यदि उक्त वर्णित भूमि पर यदि किसी प्रकार का गैर वानिकी कार्य, स्वामित्व संबंधी विवाद, किसी बैंक से ऋण प्राप्ति की सूचना या अतिक्रमण पाया जाता है तो यह भूमि क्षतिपूरक वनरोपण के लिए ग्राह्य नहीं होगा। भविष्य में यदि कोई आवेदित प्लॉट/भूमि माननीय सर्वोच्च न्यायालय द्वारा सिविल रिट याचिका संख्या- 202/95 में पारित अंतरिम आदेशानुसार पारिभाषित वन भूमि की श्रेणी में आता है एवं उस पर कोई गैर वानिकी कार्य किया जाता है तो दिया गया उपयुक्तता प्रमाण पत्र स्वतः रद्द समझा जायेगा।

अनु0-यथोक्त।

विश्वासभाजन

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

24/6/21



कार्यालय:- वन प्रमण्डल पदाधिकारी, मेदिनीनगर वन प्रमण्डल, मेदिनीनगर।

Email-dfomedininagarforestdivision@gmail.com & dfomedininagar@gov.in

Phone No-06562-222536



पत्रांक- दिनांक-

प्रेषक,

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

सेवा में,

वन संरक्षक,
प्रादेशिक अंचल, मेदिनीनगर।

विषय:-

पलामू जिलान्तर्गत मौजा- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना-हुसैनाबाद, थाना नं०- 476 के नया (RS) खाता संख्या-1 एवं 2, प्लॉट संख्या- 302,304,305,308,309 एवं 318, पुराना (CS) खाता संख्या-20 एवं 21, प्लॉट संख्या- 76,78 एवं 94 में रकबा 19 एकड़ (7.69 हे०) गैर वन भूमि को क्षतिपूरक वनरोपण हेतु भू-संरक्षण एवं वनरोपण योजना का 10 वर्षीय कार्यों का प्राक्कलन समर्पित करने के संबंध में।

महाशय,

उपर्युक्त विषयक पत्र के संबंध में सूचित करना है कि पलामू जिलान्तर्गत मौजा- जुझार सिकनी, प्रखण्ड- हुसैनाबाद, थाना-हुसैनाबाद, थाना नं०- 476 के नया (RS) खाता संख्या-1 एवं 2, प्लॉट संख्या- 302,304,305,308,309 एवं 318, पुराना (CS) खाता संख्या-20 एवं 21, प्लॉट संख्या- 76,78 एवं 94 में रकबा 19 एकड़ (7.69 हे०) गैर वन भूमि को क्षतिपूरक वनरोपण हेतु भू-संरक्षण एवं वनरोपण योजना का 10 वर्षीय कार्यों का प्राक्कलन इस पत्र के साथ संलग्न कर आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अनु०-यथोक्त।

विश्वासभाजन

ह०/-

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

प्रतिलिपि :-

ज्ञापांक-

दिनांक-

क्षेत्रीय मुख्य वन संरक्षक, पलामू, मेदिनीनगर की सेवा में अनुलग्नक की प्रति के साथ सादर सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

ह०/-

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

प्रतिलिपि :-

ज्ञापांक-

दिनांक-

वन प्रमण्डल पदाधिकारी, लोहरदगा वन प्रमण्डल को अनुलग्नक की प्रति के साथ सादर सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

ह०/-

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

प्रतिलिपि :-

ज्ञापांक-

दिनांक-

महाप्रबंधक, बॉक्सईट माईस हिण्डालको इन्डस्ट्रीज लिमिटेड, लोहरदगा को अनुलग्नक की प्रति के साथ सूचनार्थ प्रेषित।

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

मेदिनीनगर वन प्रमण्डल, मेदिनीनगर अन्तर्गत कैम्पा के तहत क्षतिपूरक वनरोपण (मू-संरक्षण एवं वनरोपण) योजना का वित्तीय वर्ष 2022-23 से

2031-32 तक में कार्यान्वित की जानेवाली दस वर्षीय कार्यों का स्थल विशिष्ट प्राक्कलन।

वन क्षेत्र का नाम - छतरपुर पश्चिमी वन प्रक्षेत्र

मजदूरी दर - 326.85

प्रति मानव दिवस

प्रखण्ड का नाम- हुसैनाबाद

रकबा - 7.69

हे०

धाना एवं धाना नं० - हुसैनाबाद-476

पौधों से पौधा की दूरी-

3mx3m, 3mx2m and 2mx2m

स्थल का नाम- जुझार सिकनी

पौधों की संख्या-

1666 प्रति हेक्टेयर

प्लॉट संख्या- 302,304,305,308,309,318 घेरान कार्य-50 चेन

क्र०सं०	कार्य विवरण	भौतिक लक्ष्य (हे० में)	दर प्रति इकाई		व्यय होने वाली राशि			कुल राशि	अभिधुवित
			मानव दिवस	सामग्री रू० में	कुल मानव दिवस	कुल मजदूरी	कुल सामग्री		
1	2	3	4	5	6	7	8	9	10
क	वित्तीय वर्ष 2022-23 में अग्रिम कार्य (प्रथम वर्ष)								
1	सर्वेक्षण एवं सीमांकन	7.69	3.00	0.00	23.07	7540.43	0.00	7540.43	
2	झाड़ी सफाई (घनी झाड़ी)	7.69	10.00	0.00	76.90	25134.77	0.00	25134.77	
3	घेरान कार्य- मशीन द्वारा ट्रेंच खुदाई ड्रेसिंग सहित (जल संसाधन विभाग की अनुसूचित दर सूची दिनांक 01.04.14 से लागू का आईटम संख्या 10.01.43.1 से 91 प्रतिशत संवेदक लाम घटाकर दर)	50 Chain	2.00	1963.79	100.00	32685.00	98189.50	130874.50	
4	मृदा कार्य (0.3 मी० x 0.3 मी० x 0.3 मी०) 1666 पीट प्रति हे० (संरेखन एवं मृदा प्रोफाईल पीट सहित)	7.69	36.50	0.00	280.69	91741.89	0.00	91741.89	
5	अंश पौधशाला कार्य रात्रि प्रहरी सहित (20 प्रतिशत अतिरिक्त के साथ)	7.69	16.50	0.00	126.89	41472.36	0.00	41472.36	
6	सामग्री (पॉलीथीन थैली, बीज, उर्वरक, खाद, रसायन तथा पौधाशाला घेरान सामग्री कार्य आदि)	7.69	0.00	3989.00	0.00	0.00	30675.41	30675.41	
7	एवं जल संरक्षण कार्य : कंटूर ट्रेडिंग- 90 कंटूर ट्रेंच साईज 5 मी x 0.30 x 0.30 मी० का खोदा जाना जिसके बीच की दूरी 2 मी० से 3 मी० हो तथा इसकी मिटटी का नीचे ढाल पर 0.15 मी० हट कर 0.30 मी० की चौड़ाई में 0.15 मी० गहरा कोड़नी कर रखा जाना	7.69	55.00	0.00	422.95	138241.21	0.00	138241.21	
8	सिल्ट डिटेसन डेम एवं चेक-डैम, रिटेनिंग वाल, ब्रेस्ट वाल इत्यादि	7.69	25.00	0.00	192.25	62836.91	0.00	62836.91	
9	गली प्लगिंग	7.69	10.00	0.00	76.90	25134.77	0.00	25134.77	
10	विविध कार्य (छायांकन, साईन बोर्ड, प्रचार-प्रसार, मुद्रण एवं	7.69	0.00	150.00	0.00	0.00	1153.50	1153.50	
	योग	7.69	158.00	6102.79	11962.00	424787.33	130018.41	554805.74	
	Add GST @ 18%					0.00	23403.31	23403.31	
	कुल योग					424787.33	153421.72	578209.06	
11	प्रवेश बिन्दु कार्य 15 प्रतिशत (प्रथम एवं द्वितीय वर्ष के व्यय पर)	7.69				128303.90	22403.81	150707.71	

ख	वित्तीय वर्ष 2023-24 में समापन कार्य (द्वितीय वर्ष) मजदूरी दर 375.87 ₹0 (15 प्रतिशत वृद्धि दर)							
1	अंश पोषशाला कार्य रात्री प्रहरी सहित	7.69	21.50	0.00	165.34	62144.47	0.00	62144.47
2	वृक्षा रोपण	7.69	36.50	0.00	280.69	105501.07	0.00	105501.07
3	दो कोड़नी एवं निकौनी	7.69	41.50	0.00	319.14	119953.27	0.00	119953.27
4	ट्रैच वर्म पर घेरान हेतु बीजा रोपण	7.69	2.00	0.00	15.38	5780.88	0.00	5780.88
5	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	137192.55	0.00	137192.55
6	सामग्री (बीज, उर्वरक, वर्मी कम्पोस्ट खाद, डी0ए0पी0 यूरिया, जैविक खाद, कीटनाशक आदि)	7.69	0.00	2365.00	0.00	0.00	18186.85	18186.85
7	विविध कार्य (छायांकन, साईन बोर्ड, प्रचार-प्रसार, मुद्रण संकलन आदि)	7.69	0.00	150.00	0.00	0.00	1153.50	1153.50
	योग	7.69	101.50	2515.00	1145.54	430572.24	19340.35	449912.59
	Add GST @ 18% (सिर्फ सामग्री पर)					0.00	3481.26	3481.26
	कुल योग					430572.24	22821.61	453393.85
ग	वित्तीय वर्ष 2024-25 में सम्पोषण कार्य (तृतीय वर्ष) मजदूरी दर 432.25 ₹0 (15 प्रतिशत वृद्धि दर)							
1	एक कोड़नी निकौनी	7.69	23.00	0.00	176.87	76452.06	0.00	76452.06
2	सामग्री (बीज, उर्वरक, कम्पोस्ट, डी0ए0पी0, यूरिया, जैविक खाद, कीटनाश आदि)	7.69	0.00	1892.40	0.00	0.00	14552.56	14552.56
3	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	157771.25	0.00	157771.25
4	घेरान मरम्मति (वेन में)	7.69	1.00	0.00	7.69	3324.00	0.00	3324.00
5	मृत पौधों का प्रतिस्थापन	7.69	3.00	290.00	23.07	9972.01	2230.10	12202.11
	योग	7.69		2182.40	572.63	247519.32	16782.66	264301.97
	Add GST @ 18% (सिर्फ सामग्री पर)						3020.88	3020.88
	कुल योग			2182.40	572.63	247519.32	19803.53	267322.85
घ	वित्तीय वर्ष 2025-26 में सम्पोषण कार्य (चतुर्थ वर्ष) मजदूरी दर 497.08 ₹0 (15 प्रतिशत वृद्धि दर)							
1	एक कोड़नी निकौनी	7.69	23.00	0.00	176.87	87918.54	0.00	87918.54
2	सामग्री (बीज, उर्वरक, कम्पोस्ट, डी0ए0पी0, यूरिया, जैविक खाद, कीटनाश आदि)	7.69	0.00	1300.00	0.00	0.00	9997.00	9997.00
3	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	181434.20	0.00	181434.20
4	मृत पौधों का प्रतिस्थापन	7.69	3.00	290.00	23.07	11467.64	2230.10	13697.74
	योग	7.69		1590.00	564.94	280820.38	12227.10	293047.48
	Add GST @ 18% (सिर्फ सामग्री पर)						2200.88	2200.88
	कुल योग			1590.00	564.94	280820.38	14427.98	295248.35
ङ	वित्तीय वर्ष 2026-27 में सम्पोषण कार्य (पंचम वर्ष) मजदूरी दर 571.64 ₹0 (15 प्रतिशत वृद्धि दर)							
1	एक कोड़नी निकौनी	7.69	23.00	0.00	176.87	101105.97	0.00	101105.97
2	सामग्री (बीज, उर्वरक, कम्पोस्ट, डी0ए0पी0, यूरिया, जैविक खाद, कीटनाश आदि)	7.69	0.00	500.00	0.00	0.00	3845.00	3845.00
3	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	208648.60	0.00	208648.60
4	घेरान मरम्मति (वेन में)	7.69	1.00	0.00	7.69	4395.91	0.00	4395.91
	योग	7.69		500.00	549.56	314150.48	3845.00	317995.48
	Add GST @ 18% (सिर्फ सामग्री पर)						692.10	692.10
	कुल योग			500.00	549.56	314150.48	4537.10	318687.58
च	वित्तीय वर्ष 2027-28 में सम्पोषण कार्य (षष्ठम वर्ष) मजदूरी दर 657.38 ₹0 (15 प्रतिशत वृद्धि दर)							
1	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	239943.70	0.00	239943.70
	कुल योग					239943.70	0.00	239943.70
छ	वित्तीय वर्ष 2028-29 में सम्पोषण कार्य (सप्तम वर्ष) मजदूरी दर 755.98 ₹0 (15 प्रतिशत वृद्धि दर)							
1	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	275932.70	0.00	275932.70
	कुल योग					275932.70	0.00	275932.70

ज	वित्तीय वर्ष 2029-30 में सम्पोषण कार्य (अष्टम वर्ष) मजदूरी दर 869.37 रू0 (15 प्रतिशत वृद्धि दर)							
1	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	317320.05	0.00	317320.05
	कुल योग					317320.05	0.00	317320.05
झ	वित्तीय वर्ष 2030-31 में सम्पोषण कार्य (नवम वर्ष) मजदूरी दर 999.77 रू0 (15 प्रतिशत वृद्धि दर)							
1	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	364916.05	0.00	364916.05
	कुल योग					364916.05	0.00	364916.05
ञ	वित्तीय वर्ष 2031-32 में सम्पोषण कार्य (दसम वर्ष) मजदूरी दर 1149.73 रू0 (15 प्रतिशत वृद्धि दर)							
1	पौधों की सुरक्षा	7.69	स्थल	0.00	365.00	419651.45	0.00	419651.45
	कुल योग					419651.45	0.00	419651.45
	सकल योग					3443917.60	237415.76	3681333.35
							Or Say	3681334.00

सारांश			
	मजदूरी	सामग्री	कुल व्यय
अग्रिम कार्य (प्रथम वर्ष) 2022-23	424787.33	153421.72	578209.06
समापन कार्य (द्वितीय वर्ष) 2023-24	430572.24	22821.61	453393.85
सम्पोषण कार्य (तृतीय वर्ष) 2024-25	247519.32	19803.53	267322.85
सम्पोषण कार्य (चतुर्थ वर्ष) 2025-26	280820.38	14427.98	295248.35
सम्पोषण कार्य (पंचम वर्ष) 2026-27	314150.48	4537.10	318687.58
सम्पोषण कार्य (षष्ठम वर्ष) 2027-28	239943.70	0.00	239943.70
सम्पोषण कार्य (सप्तम वर्ष) 2028-29	275932.70	0.00	275932.70
सम्पोषण कार्य (अष्टम वर्ष) 2029-30	317320.05	0.00	317320.05
सम्पोषण कार्य (नवम वर्ष) 2030-31	364916.05	0.00	364916.05
सम्पोषण कार्य (दसम वर्ष) 2031-32	419651.45	0.00	419651.45
प्रवेश बिन्दु कार्य अग्रिम एवं समापन का 15 प्रतिशत	128303.90	22403.81	150707.71
कुल योग	3443917.60	237415.76	3681333.35

समर्पित

वन क्षेत्र पदाधिकारी
छतरपुर पश्चिमी वन प्रक्षेत्र

प्रतिहस्ताक्षरित

वन प्रमण्डल पदाधिकारी
मेदिनीनगर वन प्रमण्डल

Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Purpose-wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Area of all quarries including reclaimed area	0	51.89
2	Road	1.29	1.33
3	Stabilised O. B. Dump	0	2.64
4	Top Soil Dump	0	1.1
5	Infrastructure	0.26	0.35
6	Township	0	1
7	Balance Area not in use(mining)	5.97	9.58
Total		7.52	67.89

FOR HINDALCO INDUSTRIES LTD.

for
BasudevGangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

Place:Lohardaga
Date: 03/01/2023

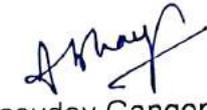
**Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at
Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by
M/s Hindalco Industries Ltd.**



Undertaking regarding barest and minimum use of forest land

M/s Hindalco Industries Limited, hereby, certify that forest area (7.52 Ha) involved in the proposal is barest and minimum forest area proposed for the diversion and shall not use for any purpose other than that specified in the proposal.

FOR HINDALCO INDUSTRIES LTD.

for 
Basudev Gangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

Place: Lohardaga
Date: 03/01/2023

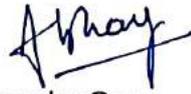
Forest Diversion Proposal (7.52 Ha) for Bagru Bauxite Mine at Village-Bagru, Tehsil-Kisko, District-Lohardaga, Jharkhand by M/s Hindalco Industries Ltd.



Undertaking regarding any work carried out in violation of the act or guidelines issued under Forest (Conservation) Act, 1980

M/s Hindalco Industries Limited, hereby, certify that there is no any work carried out in violation of the act or guidelines issued under Forest (Conservation) Act, 1980 and the company will not start any activity in the forest land without obtaining prior approval of the competent authority.

FOR HINDALCO INDUSTRIES LTD.

for 
BasudevGangopadhyay |
AVP (Planning, Environment &
Compliance)
(Authorized Signatory)

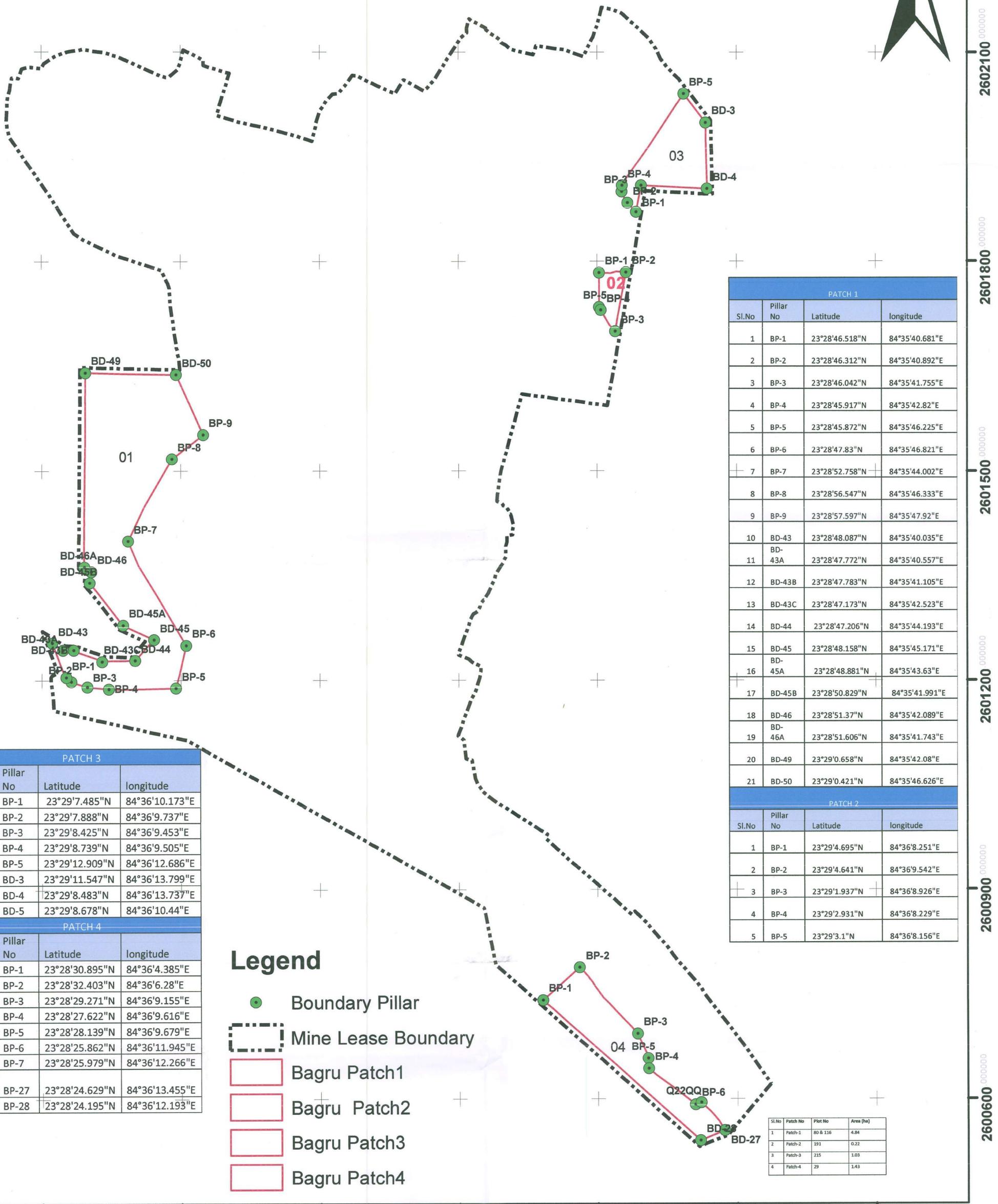
Place:Lohardaga

Date: 03/01/2023

867200 867400 867600 867800 868000 868200 868400

DGPS Map of Mine Lease of Bagru Bauxite Mines, Jharkhand

N



2602100
2601800
2601500
2601200
2600900
2600600

PATCH 1			
Sl.No	Pillar No	Latitude	longitude
1	BP-1	23°28'46.518"N	84°35'40.681"E
2	BP-2	23°28'46.312"N	84°35'40.892"E
3	BP-3	23°28'46.042"N	84°35'41.755"E
4	BP-4	23°28'45.917"N	84°35'42.82"E
5	BP-5	23°28'45.872"N	84°35'46.225"E
6	BP-6	23°28'47.83"N	84°35'46.821"E
7	BP-7	23°28'52.758"N	84°35'44.002"E
8	BP-8	23°28'56.547"N	84°35'46.333"E
9	BP-9	23°28'57.597"N	84°35'47.92"E
10	BD-43	23°28'48.087"N	84°35'40.035"E
11	BD-43A	23°28'47.772"N	84°35'40.557"E
12	BD-43B	23°28'47.783"N	84°35'41.105"E
13	BD-43C	23°28'47.173"N	84°35'42.523"E
14	BD-44	23°28'47.206"N	84°35'44.193"E
15	BD-45	23°28'48.158"N	84°35'45.171"E
16	BD-45A	23°28'48.881"N	84°35'43.63"E
17	BD-45B	23°28'50.829"N	84°35'41.991"E
18	BD-46	23°28'51.37"N	84°35'42.089"E
19	BD-46A	23°28'51.606"N	84°35'41.743"E
20	BD-49	23°29'0.658"N	84°35'42.08"E
21	BD-50	23°29'0.421"N	84°35'46.626"E

PATCH 2			
Sl.No	Pillar No	Latitude	longitude
1	BP-1	23°29'4.695"N	84°36'8.251"E
2	BP-2	23°29'4.641"N	84°36'9.542"E
3	BP-3	23°29'1.937"N	84°36'8.926"E
4	BP-4	23°29'2.931"N	84°36'8.229"E
5	BP-5	23°29'3.1"N	84°36'8.156"E

PATCH 3			
Sl.No	Pillar No	Latitude	longitude
1	BP-1	23°29'7.485"N	84°36'10.173"E
2	BP-2	23°29'7.888"N	84°36'9.737"E
3	BP-3	23°29'8.425"N	84°36'9.453"E
4	BP-4	23°29'8.739"N	84°36'9.505"E
5	BP-5	23°29'12.909"N	84°36'12.686"E
6	BD-3	23°29'11.547"N	84°36'13.799"E
7	BD-4	23°29'8.483"N	84°36'13.737"E
8	BD-5	23°29'8.678"N	84°36'10.44"E

PATCH 4			
Sl.No	Pillar No	Latitude	longitude
1	BP-1	23°28'30.895"N	84°36'4.385"E
2	BP-2	23°28'32.403"N	84°36'6.28"E
3	BP-3	23°28'29.271"N	84°36'9.155"E
4	BP-4	23°28'27.622"N	84°36'9.616"E
5	BP-5	23°28'28.139"N	84°36'9.679"E
6	BP-6	23°28'25.862"N	84°36'11.945"E
7	BP-7	23°28'25.979"N	84°36'12.266"E
8	BP-27	23°28'24.629"N	84°36'13.455"E
9	BP-28	23°28'24.195"N	84°36'12.193"E

Legend

- Boundary Pillar
- Mine Lease Boundary
- Bagru Patch1
- Bagru Patch2
- Bagru Patch3
- Bagru Patch4

Sl.No	Patch No	Plot No	Area (ha)
1	Patch-1	80 & 116	4.84
2	Patch-2	191	0.22
3	Patch-3	215	1.03
4	Patch-4	29	1.43

867200 867400 867600 867800 868000 868200 868400

For Hindalco Industries Ltd.
[Signature]
Authorised Signatory

MAP SHOWING THE NON FOREST PRIVATE LAND FOR COMPENSATORY AFFORESTATION IN VILLAGE- JUJHAR SIKNI, THANA NO.-476 , UNDER CIRCLE- HUSEINABAD IN PALAMU DISTRICT, JHARKHND, OVER 19.0 ACRES.



Scale:- 16"=1Mile or 1:3960



Jujhar Sikni
 ग्राम नाम जुहार सिकनी थाना नम्बर ४७६
 थाना नम्बर ४७६
 राजस्व थाना हुसेनाबाद
 पुलिस थाना हुसेनाबाद
 अंचल हुसेनाबाद
 जिला पलामु
 पैमाना १ इंच = १ मील या १ सें.मी = ३९.६० मीटर

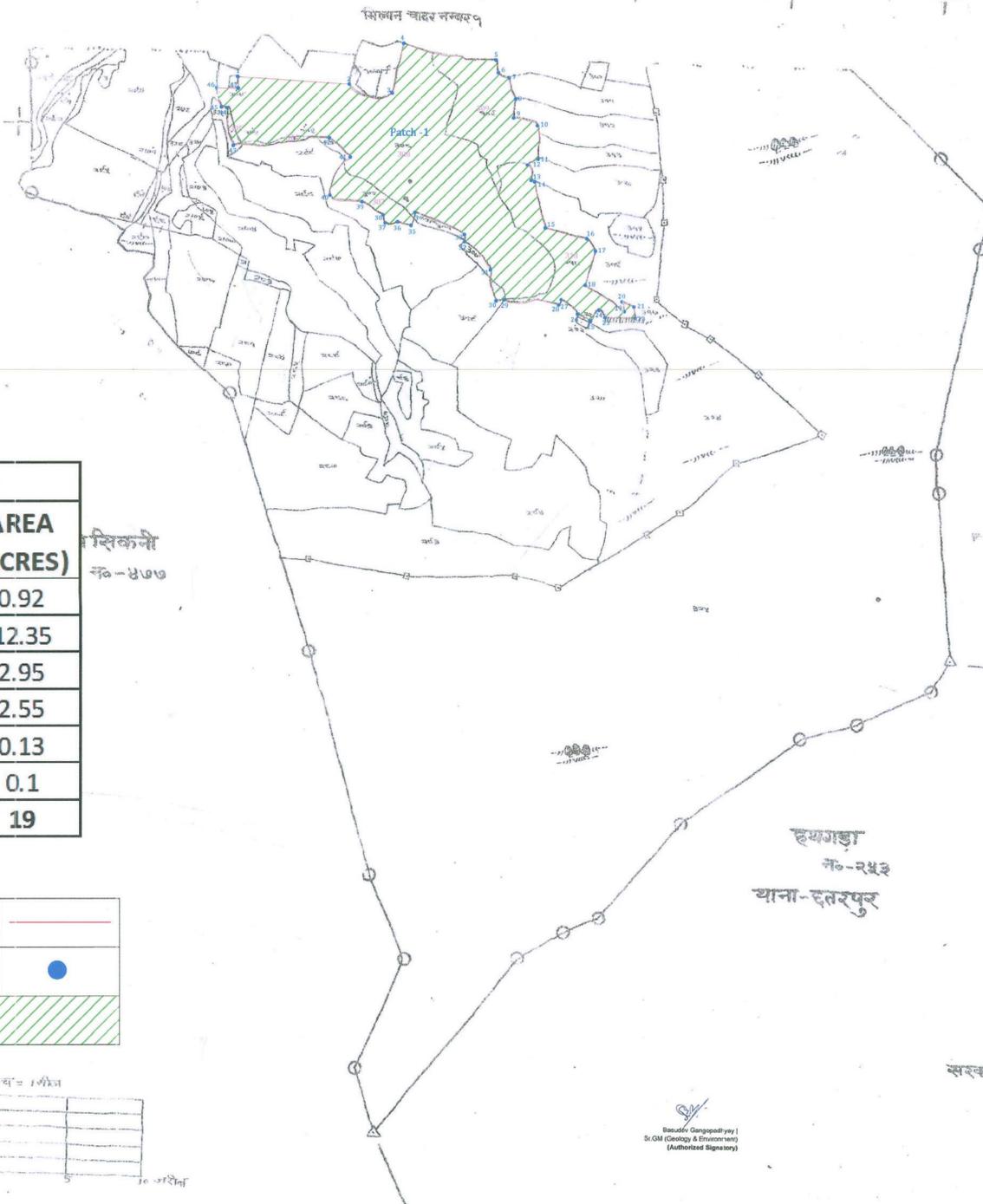
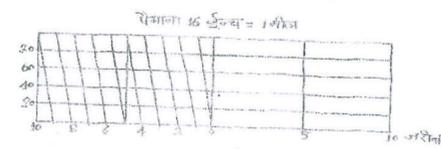
सन् २००६-२००७ ई०

०२०/०४७६-०२

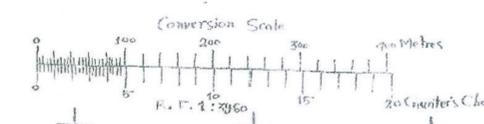
PLOT AND AREA DETAILS			
SL. NO.	KHATA NO.	PLOT NO.	AREA (ACRES)
1	2	302	0.92
2	2	308	12.35
3	2	309	2.95
4	1	318	2.55
5	2	304	0.13
6	2	305	0.1
TOTAL AREA			19

LEGEND

C.A. LAND BOUNDARY	—
DGPS CORNER POINTS	●
DGPS PATCH - 1	▨



DGPS SURVEY COORDINATES			
CORNER POINTS	LATITUDE	LONGITUDE	PATCH
1	24° 26' 59.77" N	84° 02' 35.06" E	PATCH-1
2	24° 26' 59.53" N	84° 02' 40.27" E	PATCH-1
3	24° 26' 59.19" N	84° 02' 42.27" E	PATCH-1
4	24° 27' 01.33" N	84° 02' 42.77" E	PATCH-1
5	24° 27' 00.69" N	84° 02' 47.10" E	PATCH-1
6	24° 27' 00.16" N	84° 02' 47.23" E	PATCH-1
7	24° 26' 59.94" N	84° 02' 47.73" E	PATCH-1
8	24° 26' 59.04" N	84° 02' 48.06" E	PATCH-1
9	24° 26' 58.24" N	84° 02' 47.98" E	PATCH-1
10	24° 26' 57.93" N	84° 02' 49.10" E	PATCH-1
11	24° 26' 56.48" N	84° 02' 49.18" E	PATCH-1
12	24° 26' 56.22" N	84° 02' 48.69" E	PATCH-1
13	24° 26' 55.56" N	84° 02' 48.86" E	PATCH-1
14	24° 26' 55.51" N	84° 02' 49.03" E	PATCH-1
15	24° 26' 53.53" N	84° 02' 49.58" E	PATCH-1
16	24° 26' 53.10" N	84° 02' 51.52" E	PATCH-1
17	24° 26' 52.59" N	84° 02' 51.93" E	PATCH-1
18	24° 26' 51.10" N	84° 02' 51.48" E	PATCH-1
19	24° 26' 50.01" N	84° 02' 53.34" E	PATCH-1
20	24° 26' 50.42" N	84° 02' 53.24" E	PATCH-1
21	24° 26' 50.22" N	84° 02' 53.80" E	PATCH-1
22	24° 26' 49.73" N	84° 02' 53.85" E	PATCH-1
23	24° 26' 49.73" N	84° 02' 52.44" E	PATCH-1
24	24° 26' 50.05" N	84° 02' 52.15" E	PATCH-1
25	24° 26' 49.57" N	84° 02' 51.77" E	PATCH-1
26	24° 26' 49.87" N	84° 02' 51.17" E	PATCH-1
27	24° 26' 50.46" N	84° 02' 50.38" E	PATCH-1
28	24° 26' 50.24" N	84° 02' 50.28" E	PATCH-1
29	24° 26' 50.42" N	84° 02' 47.73" E	PATCH-1
30	24° 26' 50.35" N	84° 02' 47.34" E	PATCH-1
31	24° 26' 51.67" N	84° 02' 47.05" E	PATCH-1
32	24° 26' 52.86" N	84° 02' 45.81" E	PATCH-1
33	24° 26' 53.17" N	84° 02' 45.80" E	PATCH-1
34	24° 26' 54.08" N	84° 02' 43.46" E	PATCH-1
35	24° 26' 53.52" N	84° 02' 43.30" E	PATCH-1
36	24° 26' 53.65" N	84° 02' 42.66" E	PATCH-1
37	24° 26' 53.61" N	84° 02' 42.09" E	PATCH-1
38	24° 26' 53.96" N	84° 02' 41.97" E	PATCH-1
39	24° 26' 54.50" N	84° 02' 41.00" E	PATCH-1
40	24° 26' 54.76" N	84° 02' 39.48" E	PATCH-1
41	24° 26' 56.42" N	84° 02' 40.40" E	PATCH-1
42	24° 26' 57.20" N	84° 02' 39.39" E	PATCH-1
43	24° 26' 56.80" N	84° 02' 34.91" E	PATCH-1
44	24° 26' 58.41" N	84° 02' 34.60" E	PATCH-1
45	24° 26' 58.44" N	84° 02' 34.32" E	PATCH-1
46	24° 26' 59.27" N	84° 02' 34.08" E	PATCH-1
47	24° 26' 59.25" N	84° 02' 35.08" E	PATCH-1



For Hindalco Industries Ltd.
 Authorised Signatory