Mines, Indian Bureau of Mines, Raipur Accompanying mine personnel Shri Praween Kumar Pradhan (Geologist),Shri Am Kumar Tiwari (Mines Manager) Name of the Mine Total Lease Area (Ha) with breakup of Non-forest and forest land Mine code IBM Registration Number under rule 45 of MCDR, 1988 Name of the lessee, Address, phone, email and fax number LIMITED, Ahura Center ,1st Floor,B-Wing, Mahr Caves Road, Andheri (East),Mumbai400093,India No- 02266525000 Fax No- 02266525000 Fax No- 02266525801, Er prateek.kumar@adityabirla.com Village Samri Taluka/Mandal District Balrampur Pincode 497224 State Chhattisgarh Post office Kusmi Nearest police station Nearest police station Nearest Railway station Ambikapur Date of Grant of Mining Lease 20/05/1998 Name of the Nominated Owner with Address, phone, email, fax V, Jodhpur — 342 004., Phone No No.	Sl.N	PARTICULARS	DETAILS		
Indian Bureau of Mines, Raipur 16.10.2023 21.12.2022, Shri Deepak Chinchkhede, Assistant Controller Mines, Indian Bureau of Mines, Raipur 21.12.2022, Shri Deepak Chinchkhede, Assistant Controller Mines, Indian Bureau of Mines, Raipur Shri Praween Kumar Pradhan (Geologist), Shri Am Kumar Tiwari (Mines Manager) Shri Praween Kumar Pradhan (Geologist), Shri Am Kumar Tiwari (Mines Manager) Shri Praween Kumar Pradhan (Geologist), Shri Am Kumar Tiwari (Mines Manager) Shri Praween Kumar Pradhan (Geologist), Shri Am Kumar Tiwari (Mines Manager) Mines Manager) Shri Praween Kumar Pradhan (Geologist), Shri Am Kumar Tiwari (Mines Manager) Mines Manager	1	File No.	CHG/BLR/BXT/07MPR42005		
Date of Inspection 16.10.2023 21.12.2022, Shri Deepak Chinchkhede, Assistant Controller Mines, Indian Bureau of Mines, Raipur	2	Name & Designation of the	Shri D. Dash, Regional Mining Geologist,		
Date of Last Inspection & Officer Date of Last Inspection & Officer 21.12.2022, Shri Deepak Chinchkhede, Assistant Controller Mines, Indian Bureau of Mines, Raipur Shri Praween Kumar Pradhan (Geologist), Shri Am Kumar Tiwari (Mines Manager) Samri Bauxite Mine. Total Lease Area (Ha) with breakup of Non-forest and forest land Non-forest-1347.919 Ha Non		inspecting officer	Indian Bureau of Mines, Raipur		
Shri Deepak Chinchkhede, Assistant Controller Mines, Indian Bureau of Mines, Raipur 5 Accompanying mine personnel Shri Praween Kumar Pradhan (Geologist),Shri Am Kumar Tiwari (Mines Manager) 6 Name of the Mine Samri Bauxite Mine. 7 Total Lease Area (Ha) with breakup of Non-forest and forest land Non-forest-1347.919 Ha 8 Mine code 07MPR42005 9 IBM Registration Number under rule 45 of MCDR, 1988 10 Name of the lessee, Address, phone, email and fax number Caves Road, Andheri (East),Mumbai400093,India No-02266525000 Fax No- 02266525000 Fax No- 02266525801, Er prateek.kumar@adityabirla.com Village Samri Taluka/Mandal Kusmi District Balrampur Pincode 497224 State Chhattisgarh Post office Kusmi 11 Nearest police station Samri 12 Nearest Railway station Ambikapur 13 Date of Grant of Mining Lease 20/05/1998 14 Date of Execution 24/06/1998 15 Date of opening of Mine 25.05.1999 16 Weekly day of rest Shri K.N Bhandari, 5, New Power House Road, Sec 7, Jodhpur — 342 004., Phone No N	3	Date of Inspection	16.10.2023		
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breakup of Non-forest and forest land Mine code O7MPR42005	6	Name of the Mine	Samri Bauxite Mine.		
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with Address, phone, email, fax 7, Jodhpur - 342 004., Phone No No.		1 1 1			
Will House, phone, email, incl	18				
Moil III		7, Jodhpur – 342 004., Phone No No - (0291)2620061, Mail ID -			
		number and date of appointment	knbhandari1942@gmail.com, Date of Appointment –		
10.11.2011			, ,		

19	Name of the Mine Agent with	Shri V.K.S. Chauhan, Hindalco Colony, Post -Kusmi,
	Address, phone, email, fax number	District-Balrampur, Pin-497224
	and date of appointment	Mob- 9921341888, Date of Appointment –
	and dute of uppointment	15.03.2021,Email- hauhan.vijaykumar@adityabirla.com
20	Name of the Mines Manager with	Shri Amit Kumar Tiwari, Hindalco Colony, Post -
20	Address, phone, email, fax number	Kusmi, District-Balrampur, Pin-497224
	and date of appointment in mines	Mob- 0917771007150, date of Appointment -24.11.15,
	and date of appointment in inmes	Total Experience: 16 Years
		Email- Amit.t@adityabirla.com
21	Name of the Mining Engineer &	Shri Rishabh Gauray, Hindalco Colony, Post -Kusmi,
21	Geologist, Qualification and total	District-Balrampur, Pin-497224, Email-
	experience with Address, phone,	rishabh.gaurav@adityabirla.com, Date of Appointment -
	email, fax number and date of	01.08.2020, Total Experience: 5 Years
	appointment in mine	Shri Praween Kumar Pradhan, Hindalco Colony, Post -
	appointment in inne	Kusmi, District-Balrampur, Pin-497224,Email-
		praween.pradhan@adityabirla.com, Date of
		Appointment -01.04.2022, Total Experience: 25 Years
22	Whether Geologist and Mining	YES
22	Engineer appointed in mines	1 LS
	satisfy the rule 42 & carrying out	
	their duties as per rule 43 & 44.	
23	Date of Approval of Mining	Mining Plan approved vide letter no. SRG/BX/MPLN-
23	Plan/Modified Mining Plan with	379/NGP dated 30.11.1994 for the period from 1999-
	five-year period and specific	200 to 2003-04
	condition in approval letter, if any.	
24	Date of Approval of Scheme of	1 st Scheme of Mining was approved vide letter no.
- '	Mining/Modified Scheme of	SRG/BXT/MPLN-385/NGP dated 20.01.20004 for the
	Mining with five-year period and	
	specific condition in approval	2 nd Scheme of Mining was approved vide letter no.
	letter, if any.	314(3)/2009-MCCM(CZ)/MS-20 dated 31.08.2009 for
	100001, 11 0011,	the period from 2009—10 to 2013-14
		3 rd Scheme of Mining was approved vied letter no.
		SRG/BX/MPLN-385/NGP dated 18.08.2015 for the
		period from 2014-15 to 2018-19
		4 th Scheme of Mining was approved vide letter no.
		Balrampur/BX/KHYO-1170/2018/Rajpur/1211 for the
		period from 2019-20 to 2023-24.
		Modification Review of Mining Plan approved vide
		letter no. Balrampur/Baux/Khayo-1318/2021/Raipur
		dated 29.03.2022 for the period from 2022-23 to 2023-
		2024
25	Mineral(s) granted in lease and	Bauxite
	ı , , , , , , , , , , , , , , , , , , ,	I

	proved for mining	
26	Method of Mining (Opencast,	Open cast
	Underground)	
27	Category (Fully Mechanized,	Others
	Others or Manual)	
28	Captive/Non-Captive	Captive
29	EC for ROM Prod:	500000 Tonne
	Date of Issue:	DOI: 27.07.2007
30	FA amount Rs	Rs-5,54,72,000 /-Valid up to 31 st March 2024
	Valid up to:	

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. —

1.0 EXPLORATION

SN	ITEM	PROPOSALS	PROPOSALS ACTUAL WORK		
		(2022-23)	(2022-23)		
1a	Backlog of previous year	361 boreholes Proposed Meterage- 4332 mtrs	369 boreholes Actual Meterage- 3985 mtrs	As per proposal.	
1b	Exploration over lease area for Geological axis 1 or 2.	Not specific.	Under G1 Category: 1604.07 Ha G2 Category: 25.84 Ha G3 Category- 37.63 Ha		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	Hindalco Industries Limited.		
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil		
1e	Balance reserves as 01.04. 2023 (million tonnes)	Under (111): Under (122): Under (211): Under (222): Under (333):	18232496 Tonnes 983145 Tonnes 6694300 Tonnes 925169 Tonnes 4825400 Tonne		
1f	General remarks of inspecting officer on geology, exploration etc.				

2.0 DEVELOPMENT

SN	ITEM	PROPOSALS	ACTUAL WORK	REMARKS
		(2022-23)	(2022-23)	
2a	Location of development w.r.t. lease area	1.E800849-801155, N2591026-2591242 2. E800990-801367 N2593841- 2593991 3. E800650-800877 N2593840- 2594082 4. E798762-798959 N2595877- 2596178 5. E798644-798832 N2596487- 2596772 6. E79815-798327 N2596408- 2597727	1. E800999- 801155, N2591032- 2591167 2. E800976- 801226 N2593852- 2593979 3. E800738- 800875 N2593925- 2594137 4. E798762- 798924 N2595890- 2596071 5. E798607- 798834 N2596488- 2596797 6. E798107- 798317	As per proposal
2b	Separate benches in	Top Soil- 1	N2596414- 2596678 Top Soil- 1	As per proposal.
	topsoil, overburden and mineral (Rule 15)	OB- 1 Bauxite- 1	OB- 1 Bauxite- 1	As per proposar.
2c	Stripping ratio or ore to OB ratio	1:1.4	1: 1.10	Stripping ratio is slightly on lower side.
2d	Quantity of topsoil generation in Tonnes	959640	203742.01	Top soil are concurrently speard on backfilled area. (Bulk density of top soil- 1.22)
2e	Quantity of overburden generation in MT	2354715	1057670	Overburden are concurrently backfilled in mined out area.(Bulk density of OB- 1.92)

2f	General remarks of
	inspecting officer on
	development of pit
	w.r.t. type of deposit
	etc.

The development of quarries are as per proposals in approved Mining Plan. Due to shallow depth of Bauxite mineralisation, the mined out area simultaneously backfilled by generated waste during the mining operations.

3.0 EXPLOITATION

S.N.	ITEM	PROPOSAL (2022-23)	ACTUAL WORK (2022-23)	REMARK
3a	Number of pits proposed for production	8	6	Due lack of clearance from land owner.
3b	Quantity of mineral production proposed	499788 MT	450950 MT	About 90% production achieved.
3c	Recovery of saleable/usable mineral from production	52%	52%	As per recovery study carried out.
3d	Quantity of mineral reject generation	203469.49 Cu.m	190189.2 Cu.m	Intercalated waste below threshold limit.
3e	Grade of mineral reject generation and threshold value declared	Below threshold value Threshold value: 30% AL2O3	Below threshold value Average grade- 23.02% AL2O3 Threshold value: 30% AL2O3	
3f	Quantity of sub-grade mineral generation	N/A	Nil	
3g	Grade of sub-grade mineral generation	N/A	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes.	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	

31 3m	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM Total area covered under excavation/pits	yes Not specific.	Yes 253.612 Ha	Due to Lack of clearance from
3n	Ore to OB ratio for the pit/mine during the year	1:1.4	1: 1.10	land owner.
30	Total area put in use under different heads at the end of year	Not specific.	1. Mining- 253.612 Ha 2. Mineral Storage- 0.48 Ha 3. Roads- 0.87 Ha 4. Infrastructure- 2.48 Ha 5. OB/Waste Dump- 1.66 Ha 6. Others- 6.032 Ha 6. Total area put to use- 265.136 Ha	
3p	Production of mineral during last Three -year period, as applicable (tones)	2018-19: 499561 2019-20: 493686 2020-21: 499874 2021-22: 498417 2022-23: 499788	418555 425293 331775 401020 450950	Due to lack of land acquisition.
3q	General remarks of inspecting officer on method of mining etc.			

4.0 SOLID WASTE MANAGEMENT-DUMPING

SN	ITEM	PROPOSALS (2022-23)	ACTUAL WORK (2022-23)	REMARKS
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	Simultaneous backfilling done.
b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	Simultaneous backfilling done
4c	Number of dumps within lease area and outside lease area	Nil	Nil	in mined out quarry.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	2	2	
4g	Number of dumps stabilized	2	2	
4h	Whether Retaining wall or garland drain all along dumps are there	proposed	Yes	
4i	Length of Retaining wall or garland drain all along dump	479	492 mtrs	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer		red during the process afilled in mined out quarea.	Č

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

SN	ITEM	PROPOSALS (2022-23)	ACTUAL WORK (2022-23)	REMARKS
5a	Status on part or full extraction of			Mined out is on
	mineral from mined out area before starting backfilling	Mined Out: 38.236 Ha Reclaimed:	Mined out: 14.853 Ha Reclaimed: 9.187 Ha	lower side than proposed due to lack land area acquisition. Proportionately, backfilling has

		19.11 Ha		been carried out as proposed.
5b	Area under backfilling of mined out area	19.11 Ha	9.187 Ha	Less area backfilled due to less area being mined out.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes. 19.11 Ha.	Yes. 9.187 Ha	Concurrent use of top soil. During 2022-23 total 203742.01 MT quantity is being used.
5d	Total area fully reclaimed & rehabilitated	251.977	214.044 Ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Simultaneous backfilling of mined out quarry are being carried out. During the year 2022-23, against proposed 38.326 ha of mined out land, only 14.853 ha have been mined out due to lack of land area acquisition. Proportionally, backfilling has been carried out as proposed.		

6.0 PROGRESSIVE MINE CLOSURE PLAN

SN	ITEM	PROPOSALS	ACTUAL	REMARKS
		(2022-23)	WORK	
			(2022-23)	
6a	Whether Annual report on PMCP submitted		Annual	Annual
	on time and correctly - Rule 23E (2). Details	Yes	report on	return
	should be given in the format as given in	1 68	PMCP has	submitted on
	Annexure-20.		been	dated
			submitted on	29.06.2023.
			due date.	
6b	Management of worked/mined out benches	19.11 Ha	9.187 Ha	Due to less
	i) Area available for rehabilitation (ha)			area mined
				out.
	ii) Afforestation done (ha)	12.94 Ha	9.898 Ha	Due to less
				area
				available.
	iii) No. of saplings planted during the year	32350	39071	Plantation is
				on higher

				side.
	iv) Cumulative no. of plants	Nil	358835	
	v) Any other specific method of rehabilitation	Nil	Bio-Park developed on 6 Ha of reclaimed land.	
	vi) Cost incurred on watch & care during the year	Nil	Cost incurred on watch & care during the year: Rs. 69.59 lakhs	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	1.Void available for Backfilling: 19.11 Ha 2.Void filled by Waste/Tailing: NA	1.Void available for Backfilling: 9.187 Ha 2.Void filled by Waste/Tailin g: NA	Backfilling has been carried out on less area than proposed due to less area mined out available due to lack of land area
		3.Afforestation on the backfilled area: 12.94 Ha	3.Afforestati on on the backfilled area: 9.898 Ha	acquisition.
		4.Rehabilitatio n by Making water reservoir: NIL	4.Rehabilitati on by Making water reservoir: 1.32 Ha	
		5.Any other Specific means: NIL	5.Any other Specific means: 6 Ha area has been	

			converted into a bio- park	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	Nil	
бе	Compliance of Environmental monitoring (core zone & buffer zone)	Proper Monitoring	Complied PM 10 and PM 2.5 is within permissible limit	Proper Monitoring
6f	General remarks of inspecting officer on PMCP compliance & progressive			

7.0 MINERAL CONSERVATION

SN	ITEM	PROPOSALS (2022-23)	ACTUAL WORK (2022-23)	REMARKS
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed	Manual sorting Done as proposed.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Yes	Yes	

7d	Any beneficiation process at mines			
		NA	NA	
7e	General remarks of inspecting officer	Manual sorting of	of run of mine ore is	carried out within
	on Mineral conservation &	the mining lease area as proposed.		
	beneficiation issues			

8.0 ENVIRONMENT

SN	ITEM	PROPOSALS (2022-23)	ACTUAL WORK (2022- 23)	REMARKS
8a	Separate removal and utilization of topsoil (Rule 32)	975634	203742.01	
8b	Concurrent use or storage of topsoil	975634	203742.01	
				561 plants planted
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	outside lease area
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneously backfilling of the mined out area by the use of overburden, waste for restoring the land to its original use.	Simultaneously backfilling of the mined out area by the use of overburden, waste for restoring the land to its original use.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	19.11 Ha	9.187 Ha	
8f	Baseline information on existence of plantation & additional plantation done	Afforestation on the backfilled	Afforestation on the backfilled	

	(Rule 41)	area: 12.94 Ha	area: 9.898 Ha	
		Number of Sapling:- 32350	Number of Sapling:- 39071	
8g	Survival rate	80%	83.4%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Dedicated tanker for water sprinkling
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

9.0 COMPLIANCE OF RULE 45

S. N.	Item	Details Given in A.R.	Observation of I/Officer	Remarks
9 a	Status of submission of monthly and Annual returns	Monthly Returns submitted up to – Sep, 2023, Annual Return submitted up to -2022-23 submitted on 29.06.2023.	Submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per annual return Manager: Shri Amit Tiwary Mining Engineer: Shri KK Singh Geologist: Shri Praween Kr Pradhan	Officials were present during the inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open cast mining: 253.612 Ha. Area under current working pit: 8.392 Ha. Reclaimed area: 214.044 Ha	Appears to be correct.	

9d 9e	Scrutiny of Annual return on afforestation Scrutiny of Annual return on	Occupied by plant, building and roads: 3.352 Ha Waste Disposal: 1.66 Ha Work done under PMCP during the year: 20.406 Ha Number of Saplings: 39071 Survival rate: 83.4% NIL	More than proposed.
	mineral reject generation (Grade & quantity)		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock: 0 Tonne Bauxite Production: 450950 Tonnes Closing Stock: 0 Tonne	No stock observed during the visit.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine Price: Rs 1246.17/MT Cost of Production: Rs. 1246.17	Appears to be correct.
9i	Scrutiny of Annual return on fixed assets	As per annual return the fixed asset is Rs 76004699/-	-do-
9k	Scrutiny of Annual return on mining machineries	Type of machinery ty of of each unit unit s SHOVEL 0.9 6 (HYDRAU CUM LIC) SHOVEL 1.4 2 (HYDRAU CUM LIC) SHOVEL 2.69 1 (HYDRAU CUM LIC) SHOVEL 2.69 1 (HYDRAU CUM LIC) AIR 9.06 1 COMPRES CUM/ SOR MIN AIR 8.49 1 COMPRES CUM/ SOR MIN BLAST 100 2 HOLE MM	Found in operation during the visit.

DRILL		
DUMPER	25	18
	TONN	
	ES	
WHEEL	1.7	2
LOADER	CUM	_
WATER	12000	1
TANKER	LITRE	1
	S	
Type of	Capaci	No.
machinery	ty of	of
I inacinitely	each	unit
	unit	
SHOVEL	0.9	s 6
(HYDRAU	CUM	0
,	COM	
LIC)	1.4	2
SHOVEL	1.4	2
(HYDRAU	CUM	
LIC)	2.50	
SHOVEL	2.69	1
(HYDRAU	CUM	
LIC)		
AIR	9.06	1
COMPRES	CUM/	
SOR	MIN	
AIR	8.49	1
COMPRES	CUM/	
SOR	MIN	
BLAST	100	2
HOLE	MM	
DRILL		
DUMPER	25	18
	TONN	
	ES	
WHEEL	1.7	2

10- Details of violations observed during current inspection and compliance position of earlier violation

During the previous inspection dated 12.03.2022, no violation was pointed.

During the current inspection, no serious violation was observed.

Date:

(Debadurllav Dash)

Regional Mining Geologist