

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office**

Mine code: 07MPR18035

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Senior Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Arun Chopra, Partner of the firm Shree Anand Khanij Udyog
(iv)	Date of Inspection	:	28/09/2023
(v)	Previous Inspection date	:	10/02/2023

PART-I : GENERAL INFORMATION

1	(a)	Mine Name	:	ROSARA Bauxite Mine
	(b)	Registration Number	:	IBM/10823/2012
	(c)	Category	:	A Category
	(d)	Type of Working	:	Open Cast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Jabalpur
		Village	:	Rosara
		Taluka	:	Majholi
		Post Office	:	Ponda
		Pin code	:	483336
		Fax	:	NA
		email	:	arun141162@gmail.com
		Phone No	:	9977002471
	(f)	Police Station	:	Ponda
	(g)	First Opening date	:	05.10.2011
	(h)	Weekly day of rest	:	SUN
2		Address for Correspondence	:	
3	(a)	Lease Area	:	5.22 hectare
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	02.06.2058
4		Mineral Worked (Main)	:	Bauxite
5		Name of address of the Lessee with Phone, email and fax number	:	M/s Shree Anand Khanij Udyog 110, Bhaseen Residency, South Civil Lines, District – Jabalpur (M.P.) 482001, Mob. No. 9977002471 Email Id – arun141162@gmail.com
		Name of address of the Owner/Nominated Owner with Phone, email, fax number	:	Shri Siddharth Chopra House No 405, Kaithal House, Near Soniya Apartment, South Civil Lines, PO Jabalpur (M.P) Pin code 482001 Mob. No. 8959333570 Email Id – siddharthchopra690@gmail.com
		Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Akash Nagvanshi, Address- Near Bharat Mata Mandir Ghodar Distt -Rewa (M.P.) Mob. No – 9685483990 Email Id – Akashnagvanshi9@gmail.com

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	Mining Engineer Name Qualification Date of Appointment	:	Shri Akash Nagvanshi B.E. (Mining) Date of Appointment: 10/07/2021
	Geologist Name Qualification, Date of Appointment	:	Shri Dilip Kumar Mishra M.Sc. Geology
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	MP/Jabalpur/Bauxite/RMP-46/2018-19 Jabalpur dated 21/01/2019

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS**Exploration: (2022-23)**

S. No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2	Not Proposed	Nil	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Not Proposed	Lease area has been explored in G1 level of exploration	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2022, reserves was 1,775,060 tones.	Depletion during the year was 75021 tones. Remaining reserves as on 31.03.2023 is 1,700,039 tones.	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration proposal. Lease area has been explored under G1 level of exploration.		

Development (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It is proposed to develop the quarry towards south and in depth.	Development done as per proposal.	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in mineral only has been proposed	Separate benches in mineral has been developed	Nil
2c	Stripping ratio or ore to OB ratio	1: 0.11 cum/cum	1: 0.13 cum/cum	Nil
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m3	OB/SB/IB : 4412 cum	Intercalated waste generated was 4412 cum	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out as per proposal.		

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3. Exploitation FY (2022-23)

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One Pit	One Pit	Nil
3b	Quantity of ROM mineral production proposed	In 2022-23, the proposal for ROM production for Bauxite was 76104 tones	In 2022-23, the actual ROM production was 75021 tones	Nil
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	Nil
3g	Grade of sub-grade mineral generation	Not Proposed	Nil	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Not Proposed	Nil	Nil
3k	Provision of mining machineries in mineral benches	Proposed	Carried out	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3m	Total area covered under excavation /pits (Ha.)	Total area covered under excavation /pits at the end of plan period 2023-24 will be 3.35 Ha	Total area covered under excavation /pits at the end of 2022-23 is 3.08 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1: 0.11 cum/cum	1: 0.13 cum/cum	Nil
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period 2023-24 will be 4.50 Ha	Total area put in use under different heads at the end of 2022-23 is 3.93 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20 73114 tones 2020-21 59069 tones 2021-22 60434 tones 2022-23 76104 tones	49880 tones 49939 tones 60300 tones 75021 tones	Nil
3q	General remarks of inspecting officer on method of mining etc.	Production has been done as per proposal.		

4. Solid Waste Management-Dumping (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule	Separate dumping of top soil and mineral reject	No top soil or mineral reject has been generated. OB	Nil

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	32,33)	has not been proposed. OB/mine waste will be simultaneously backfilled in the mined out barrier zone and rest will be used for preparing bund in barrier zone or stacking	/waste generated has been backfilled in the mined out barrier zone.	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Nil	Nil
4c	Number of Dumps within lease area and outside lease area	Not Proposed	Nil	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Nil	Nil
4e	Number of Active & Alive dumps	Not Proposed	Nil	Nil
4f	Number of dead dumps	Not Proposed	Nil	Nil
4g	Number of dumps established	Not Proposed	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Nil	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	There was no proposal for top soil or mineral reject generation. OB /waste generated has been backfilled in the mined out barrier zone.		

5. Solid Waste Management-Backfilling (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	Nil
5b	Area under backfilling of mined out area	Not Proposed	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	0.05 Ha	Barrier Zone reclaimed and rehabilitated
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine is not matured for reclamation through backfilling.		

6. Progressive Mine Closure Plan (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	As per rule 26(2) of MCDR 2017, the holder of mining lease shall submit to the competent authority a yearly report as per the format specified by the Indian	Annual return on PMCP for 2022-23 has been submitted along with annual return	Nil

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		Bureau of Mines, before 1st day of July report every year		
6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	0.1 Ha	0.15 Ha	Nil
6d	No. of saplings planted during the year	100 nos	265 nos	Nil
6e	Cumulative no. of plants	400 nos	700 nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	1.0 Lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	Nil
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual return on PMCP for 2022-23 has been submitted along with annual return.		

7. Mineral Conservation (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Grade wise sorting	Grade wise sorting	Nil
7b	Method of grade-wise mineral	Manual	Manual	Nil

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	sorting i.e. manual or mechanical			
7c	Different grade of mineral sort out at mine	Cement grade	Cement grade	Nil
7d	Any beneficiation process at mines	Not Proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Grade wise sorting is being carried out.		

8. Environment (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Barrier Zone reclaimed and rehabilitated	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 nos	265 nos	Nil
8g	Survival rate	90%	15%	Nil
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Carried Out	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained.		

9. Compliance of Rule 45 (2022-23)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual Return for 2022-23 has been submitted timely.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager has been appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings: 3.080 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 0.10 Ha, Used for any other purpose (specify) etc.	Nil
9d	Scrutiny of Annual return on afforestation	Number of saplings planted during the year was 265 nos	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil

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9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing Stock of ROM is Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex-Mine price is Rs 844.24 per tonne.	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 13161350	Nil
9k	Scrutiny of Annual return on mining Machineries	Front end Loader 1No; Dumper 4 Nos etc.	Nil

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date:

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines