

**INSPECTION DATASHEET For The Year 2022-23****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Tharka Bauxite and laterite and clay mine
	Date of Inspection:	17/08/23
	Name of Inspecting Officer	Abhishek Ranjan Gautam
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	12.97HA
3	Mine code	75MPR47010
4	IBM Registration Number under rule 45 of MCDR,1988	IBM5487/2011
5	Last Inspection Details	Inspecting officer – Shri Madhav Rao Sabre, SMG Date of Inspection – 29/04/2022 Violation Point out – 11(1) of MCDR 2017 VL Compliance Status – Complied
6	Mine official present during the inspection	Shri Arun Shukla, Lessee Representative Shri Vimal Tiwari, Geologist
7	Name of the Lease, Address, Phone, email and fax number	Shree Pooranlal Vishwakarma, Jalpa Devi Ward Katni M.P. Pin 483501 07622/223921 MOB. 9826949070 Email <a href="mailto:newmineral@yahoo.co.in">newmineral@yahoo.co.in</a>
8	Village	Tharka
9	Taluka/Mandal	Murwara
10	District	KATNI
11	Pin code	483501
12	State	M.P.
13	Post Office	Niwar
14	Nearest Police Station	Niwar
15	Nearest Railway Station	Niwar
16	Date of Grant of Mining Lease	10/05/2002
17	Date of Execution	28/05/2002
18	Date of opening of Mine	28/05/2002
19	Date of First Renewal, if applicable and its period & expiry	16/04/2002
20	Date of Second Renewal, if applicable and its period & expiry	26/07/2007
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	03/10/2018, MODIFICATION IN APPROCED MINING PLAN FOR EXTENTION OF 50 YEAR LEASE PERIOD.
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shree Pooranlal Vishwakarma, Jalpa Devi Ward Katni M.P. Pin 483501 07622/223921 MOB. 9826949070 Email <a href="mailto:newmineral@yahoo.co.in">newmineral@yahoo.co.in</a>
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	

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24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	-
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Shivdhan Vishwakarma, B.TECH, Village- Karilaine Ward NO. 12 Karitlaine Vijayraghavarh Katni (M.P) Date – 10/12/2022
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Ajay Kumar Agnihori M.SC (GEOLOGY) VILLAGE- Madhi, POST- Barti, Teshil - Rampur Baghelan, District- Satna, (M.P)
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP KATNI BUX/LTE/RMP17/2022-23 DATE 01/06/22
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	
29	Mineral(s) granted in lease and approved for Mining	Bauxite, Laterite & Fireclay
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	A
32	Captive/Non-Captive	Non- captive

**Exploration**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	14 Bore Hole Proposed	Exploration done as per proposal	
1b	Exploration over lease area for Geological axis 1 or 2.	Lease area explored up to G1 level	Lease area explored up to G1 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	M/s Khanna Driller	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire mineralised area to be explored in G1 level	Lease area explored up to G1 level	
1e	Balance reserves as on 01.04.2023	As on 01/04/2023 111-1729987 Tons 122- 1980353 Tons	As on 01/04/2023 111-1729987 Tons 122- 1980353 Tons	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area has been explored up to G1 level		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Proposed between E 4399610439770 to 439934, N2622920 to 2623040	Pits developed as per proposal.	

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2b	Separate benches in topsoil overburden and mineral (Rule 15)	Not proposed.	Mineral occurs from top	
2c	Stripping ratio or ore to OB ratio	1:0.04	1:0.04	
2d	Quantity of topsoil generation in m <sup>3</sup>	Not proposed	Not applicable	
2e	Quantity of overburden generation in m <sup>3</sup>	4188 tons	4000 tons	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development was done as per Mining Plan.		

**Exploitation**

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	PIT- A & C	As per proposal	
3b	Quantity of ROM mineral production proposed (2015-16)	43968 Tons	19900 Tons	Violation pointed out under rule 11(1)
3c	Recovery of Salable/usable mineral from ROM production	50% & 40%	45.26%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	45225 Tons	44600 Tons	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	MACHANIZED	MACHANIZED	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches	No drilling blasting is proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	excavator with 1 m3 capacity	as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation /pits	3.020 ha	3.020 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.04	1:0.04	
3o	Total area put in use under different heads at the end of year	Covered under current (O-C) Workings – 3.020 ha Occupied by plant, buildings, residential, welfare buildings and roads – 0.287 green belt -0.090	Covered under current (O-C) Workings – 3.020 ha Occupied by plant, buildings, residential, welfare buildings and roads – 0.287 green belt -0.090	

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3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	29185	-	
		2019-20	35646	35700	
		2020-21	74798	64050	
		2021-22	22075	22200	
		2022-23	43968	19900	
3q	General remarks of inspecting officer on method of mining etc	Mining is done by excavators without use of explosives. sorting is done by manual means			

#### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed.	Not applicable	Top soil is not present in the area. Laterite/bauxite is exposed from surface.
4b	Location of topsoil, OB & mineral reject dumps	01 Dump	OB:N2363100 TO2623150, E 439965TO 439930	
4c	Number of Dumps within lease area and outside lease area	01 Dump	No dump is outside the lease area. 01 dump inside the lease.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Dump are located outside the UPL	
4e	Number of Active & Alive dumps	One dump	One dump	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	450 m	450m	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management	Area is devoid of top soil, Laterite is exposed from surface. there is no OB. Laterite forms the top cover of bauxite. intercalated waste of murrum is stacked as dump.		

#### Solid Waste Management-Backfilling

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	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	Not applicable	

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5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not applicable	lease is devoid of top soil.	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling not started yet, full extrcation of the mineralization not finished yet, no area is mature enough for the activity		

**Progressive Mine Closer Plan**

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	To be submitted before 1st July of every year	Yes, submitted within time limit as per the provisions of Rule 26 of MCDR,2017	
6b	Management of worked/mined out benches	-	-	
	i) Area available for rehabilitation (Ha)	0.9 ha	0.9 ha	
	ii) Afforestation done (ha)	-	-	
	iii) No.of saplings planted during the year	100 nos.	100 nos.	
	iv) Cumulative no. of plants	100 nos.	100 nos.	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	Not proposed	Not applicable	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Not proposed	Not applicable	

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6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not proposed	Not applicable	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Carried out as per the proposals	Analysis reports were provided
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Presently scope of backfilling/reclamation & rehabilitation doesn't exist and no proposals are given. Periodic monitoring is being carried out by outsourced consultant.		

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Bauxite is sorted out	Bauxite is sorted out manually. Cement grade bauxite is available in the lease.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual sorting is practiced.	
7c	Different grade of mineral sort out at mine	Available grades are sorted out.	Cement grade bauxite is available in the lease area. which is sorted out.	
7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Cement grade bauxite is available in the lease. Mineral reject/subgrade mineral is also blended and sold in order to achieve zero waste mining.		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
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8a	Separate removal and utilization of topsoil (Rule32)	Not proposed	Top soil is not present in the area.	
8b	Concurrent use or storage of topsoil	Not proposed	Top soil is not present in the area.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes proposed	Seperate dump of intercalated waste/rejects is practiced.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes proposed	as per proposal, waste will be used for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not proposed for reporting year	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 nos	100 nos	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	There is no top soil in the area, One dump and small stacks of mineral is there. Plantation is not done in reporting period. Lease area is a small mound, around which agricultural lands are there.		

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of Jul-23 and AR of 2022-23 has been submitted	Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	<b>Name of the Mining Engineer:</b> Shri Shivdhan Vishwakarma <b>Geologist:</b> Shri Ajay Kumar Agnihori	Appointed as per rule

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return <b>2022-23</b> Currant working: 3.020 ha. Roads and Infra. : 0.287 ha. OB/waste dump: Nil Green Belt: 0.090 ha.	As submitted by lessee
9d	Scrutiny of Annual return on Afforestation	Afforestation as per MP and AR 100 saplings planted in the lease area with survival rate of 80%.	As submitted by lessee
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No any mineral reject generated during the year.	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	As per AR 2022-23, approved mining plan ROM was proposed 43968 T & actual production carried out 19900 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	10116.835 Tonnes of cement grade bauxite is dipatched with ex mine price Rs 664.17/tonne.	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets : Rs 33423412/-	
9k	Scrutiny of Annual return on mining Machineries	DUMPER 10.000 TONNE 2 Non Electrical Opencast DUMPER 16.000 TONNE 2 Non Electrical Opencast WATER TANKER 4500.000 LITRE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 8.000 L/MN 1 Non Electrical Opencast	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:- Details is given below:

- 1. Rule – 11(1) of MCDR 2017 dated 29/08/2023**
- 2. Rule 34A(2) of MCDR 2017 dated 29/08/2023**

Date:

Name: Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer