

I/28889/2024

**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/KTN/LST-27

**Mine code :** 75MPR47010

- (i) Name of the Inspecting : **SQ24** ) **MADHAVRAO SABRE**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Madhav Gosavi QP, Shri Ajay Agnihotri Geologist  
Official with Designation and shri Ramanand , Mining Engineer.
- (iv) Date of Inspection : 26-APR-22
- (v) Prev.inspection date : 29-JUN-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **THARKA (12.97 HA)**
- (b) **Registration NO.** :
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : THARKA  
Taluka : KATNI  
Post office : NIWAR  
Pin Code : 403501  
FAX No. : 07622223921  
E-mail : newminerals1@yahoo.com  
Phone : 9893917080
- (f) Police Station : Niwar
- (g) First opening date : 10/6/2022
- (h) Weekly day of rest : Thursday
2. Address for : SHRI POORAN LAL VISHWAKARMA  
correspondance JALPADEVI WARD, KATNI (M.P.) 483501
3. (a) Lease Number : **375**
- (b) Lease area : **12.97 Ha**
- (c) Period of lease : **28/05/2002 to 27/05/2052**
- (d) Date of Expiry : **27/05/2052**
4. Mineral worked : BAUXITE Main  
LATERITE Associated  
FIRECLAY Associated

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## 5. Name and Address of the

Lessee : POORAN LAL VISHWAKARMA  
JALPA DEVI WARD KATNI  
MADHYA PRADESH  
Phone: 9893917080  
FAX : 07622223921

Owner : POORAN LAL VISHWAKARMA  
JALPA DEVI WARD KATNI  
MADHYA PRADESH  
Phone: 9893917080  
FAX : 07622223921

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	16-APR-02
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	26-JUL-07
	:	Mining Scheme rule 12 MCDR1988	03-JUL-12
	:	MP modif under MCR 1960	03-OCT-18

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## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	27 BH and 30 Trial pits proposed	22 bh drilled 25 TP excavated	-
1b	Exploration over lease area for geological axis 1 or 2	25 BH and 30 Trial pits were proposed	22 bh drilled 25 TP excavated	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	7.914 ha	3.234 Ha converted into G1 category	-
1e	Balance reserve as on 01/04/20	NA	1. Proved Mineral Reserve 111 1749887 Lump Medium Grade 2. Probable Mineral Reserves 122 1980353 Lump Medium Grade B. Remaining Resources 1. Feasibility Mineral Resource 211 174636 Lump Medium Grade 2. Prefeasibility Mineral Resource 222 42210 Lump Medium Grade 3. Measured Mineral Resource 331 2154989 Lump Medium Grade 4. Indicated Mineral Resource 332 190378 Lump Medium Grade	-
1f	General remarks of inspecting officers on geology, exploration etc	Proposed Exploration by Boreholes and Trial Pits	Exploration taken up by drilling 22 boreholes and 25 Trial pits	-

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed between E 439534 to 439934, N2622842 to 2623162	Pits developed as per proposal.	-

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	Mineral occurs from top	-
2c	Stripping ratio or ore to OB ratio	1:2.33	1:2.33	-
2d	Quantity of topsoil generation in m3	Nil	NA	-
2e	Quantity of overburden generation in m3	NIL	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development was done as per Mining Plan.	-

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	PIT D and Part of Pit c	As per proposal	-
3b	Quantity of ROM mineral production proposed	22075 T Bauxite	22200 T	-
3c	Recovery of sailable/usable mineral from ROM production	Out of total ROM 30% is Bauxite and 40% is laterite.	30% bauxite.	-
3d	Quantity of mineral reject generation	Nil	NA	-
3g	Grade of sub grade mineral generation	Nil	NA	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	-

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA	-
3j	Provision of drilling and blasting in mineral benches	No drilling blasting is proposed	Nil	-
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	3 m	as per proposal	-
3m	Total area covered under excavation/pits	12064m2	As per proposal.	NA
3n	Ore to OB ratio for the pit/mine during the year.	1:2.33	1:2.33	-
3o	Total area put in use under different heads at the end of year	4.1534 ha	3.713 Ha	-
3p	Production of ROM mineral during the last five year period as applicable	2018-19-29185 2019-20-35646 2020-21-74798 2021-22-22075	2018-19-45500 2019-20-35700 2020-21-64050 2021-22-22200	-

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3q General remarks - Mining is done by -  
of inspecting excavators without use  
officers on of explosives. sorting  
method of mining is done by manual means  
etc.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed.	NA	Top soil is not present in the area. Laterite/bauxite is exposed from surface.
4b	Location of topsoil, OB and mineral reject dumps	NA	OB:N2363100 TO2623150, E 439965TO 439930	NA
4c	Number of dumps within lease area and outside of 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)	Within the lease area	At some places stacking was done in 7.5 m barrier.	Violation pointed out.
4e	Number of active and alive dumps.	01	01	-
4f	Number of dead dumps.	NA	NA	-
4g	Number of dumps established.	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposed	Not constructed	Violation issued
4i	Length of Retaining wall or garland drain all along dumps	Not given	Not done	Violation pointed out
4j	Number of settling ponds	NIL	NIL	NA
4k	Specific comments 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. interclated waste of murram is stacked as dump.	-

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## Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Na	NA	-
5b	Area under backfilling of mined out area	Na	Backfilling done in 7.5 m barrier	NA
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	lease is devoid of top soil.	-
5d	Total area fully reclaimed and rehabilitated	NA	NA	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	backfilling done in 7.5 m barrier, 14131m3 waste is used in back filling	-

## Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	yes	Submitted	-
6b	Area available for rehabilitation (ha) .	No proposal	NA	-
6c	afforestation done (ha).	120 SAPLINGS, area not specified	NIL plantation done	Violations pointed out.
6d	No. of saplings planted during the year	120 SAPLINGS PROPOSED	NIL	Violation pointed
6e	Cumulative no .of plants	NIL	250 Approximately	na
6f	Any other method of rehabilitation	NA	Na	-
6g	Cost incurred on watch and care during the year	Rs 15000/-	As per proposal.	-

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	Not in proposal	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not in proposal	Not in proposal	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NO reclamation and rehabilitation is proposed by backfilling and afforestation.	NA	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not in proposal	NA	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	Not in proposal for the said year	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Rehabilitaion of waste land not proposed for the reporting year	Rehabilitaion of waste land not proposed for the reporting year	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	Not proposed in reporting year.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	by Backfilling and Plantation.	Backfilling is not proposed in reporting year, Plantation is proposed in 7.5 m barrier	-



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6p	Compliance of environmental monitoring (core zone and buffer zone)	done on quarterly basis	Reports submitted, values are under prescribed limit	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP measures proposed.	PMCP measures not taken up by lessee.	Violation pointed out.

## Mineral Conservation:

Sl.No.	Item	Propasals	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 sorted out at mines.	Available grades are sorted out.	Cement grade bauxite is available in the lease area. which is sorted out.	-
7d	Any beneficiation process at mines	NA	NA	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	na	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:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Top soil is not present in the area.	-

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8b	Concurrent use or storage of topsoil	NA	NA	-
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 will be used for backfilling.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NOT PROPOSED	Not propsed for reporting year	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	PROPOSED	Yes base line information is given but plantation is not carried out in reporting year. Further no additional plantation done.	Violation for plantation given.
8g	Survival rate	80% is reported	plantation not carried out in reporting year	Violation issued.
8h	Water sprinkling on roads to control airborne dust	yes proposed	Water tanker is used for sprinkling water on haul roads	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines 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:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	submitted	submitted	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer in charge RAMANAND Geologist in charge AJAY AGNIHOTRI	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	12. Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 2.820 2.820 (iii) Reclaimed/Rehabilitated 0.000 0.630 0.630 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.240 0.240 (vi) Other Purpose (GREEN BELT) 0.000 0.090 0.090 (vii) Work done Violation pointed out after inspection.	-
9d	Scrutiny of Annual return on afforestation	Given	Nil	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil		-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Cement grade bauxite is produced and dispatched from lease.	-

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	14204 Tonnes of cement grade bauxite is dispatched with ex mine price Rs 693/tonne.	-
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets : Rs 33423412/-	
9k	Scrutiny of Annual return on mining machineries	given	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) 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	-

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

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

**Date :****(MADHAVRAO SABRE)**

Indian Bureau of Mines