

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KATNI/LAT.-15

Mine code : 75MPR47003

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 28-JUN-21
- (v) Prev.inspection date : 08-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TIKARIA (4.69HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : TIKARIA
Taluka : MURWARA
Post office : NIWAR
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 27-SEP-99
- (h) Weekly day of rest :
2. Address for : SHRI POORAN LAL VISHWAKARMA
correspondance JALPADEVI WARD, KATNI (M.P.) 483501
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : BAUXITE Associated
FIRECLAY Associated
LATERITE Main

5. Name and Address of the

Lessee : POORAN LAL VISHWAKARMA
JALPA DEVI WARD KATNI
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : POORAN LAL VISHWAKARMA
JALPA DEVI WARD KATNI
MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06-APR-06
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12-AUG-11
		Mining Scheme rule 12 MCDR1988	12-MAR-14
		MP modif under 17(3) MCR 2016	05-NOV-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 boreholes	4 boreholes drilled	
1b	Exploration over lease area for geological axis 1 or 2	G2: 4.69 ha	G2: 4.69 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	not proposed	Rs.44000	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2: 4.69 ha to be explored in G1.	G2: 4.69 ha to be explored in G1.	
1e	Balance reserve as on 01/04/20		221699 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North west of mine area	North west of mine area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	02 nos of benches proposed in mineral	02 nos of benches maintained in mineral	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	

2e	Quantity of overburden generation in m3	Not proposed	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	51397 tonnes	50200 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	MANUAL	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done
3j	Provision of drilling and blasting in mineral benches	NA	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		maintained as per proposals
3m	Total area covered under excavation/pits	3.115 ha	3.00 ha
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA
3o	Total area put in use under different heads at the end of year	3.215 ha	3.115 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 48162 2018-19 15032 2019-20 51087 2020-21 51397	2017-18 70 2018-19 nil 2019-20 43100 2020-21 50200
3q	General remarks of inspecting officers on method of mining 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	Nil	

4b	Location of topsoil, OB and mineral reject dumps	NA	NA
4c	Number of dumps within lease area and outside of lease area	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		

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.	Not proposed	Nil	

5b	Area under backfilling of mined out area		0.21 ha already reclaimed
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Not done
5d	Total area fully reclaimed and rehabilitated	0.21 ha	0.21 ha
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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).		Not submitted	violation pointed out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP report not submitted. Violation pointed out under rule 26(2) of MCDR 2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch proposed.	ROM mineral dispatch carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	not done	
7c	Different grade of mineral sorted out at mines.	not proposed	not done	
7d	Any beneficiation process at mines .	not proposed	not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	not proposed	not done	
8b	Concurrent use or storage of topsoil	not proposed	not done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	not proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		PMCP report not submitted.	Violation pointed out under rule 26(2) of MCDR 2017.
8g	Survival rate		PMCP report not submitted.	Violation pointed out under rule 26(2) of MCDR 2017.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust carried out	

8i General remarks
of inspecting
officer on
aesthetic beauty
in and around
mines area

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly returns submitted upto date. Annual Return for the years 2019-20 & 2020-21 are not submitted.	Violation pointed out under rule 45(7) of MCDR 2017.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual Return not submitted.	Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual Return not submitted.	Nil	
9d	Scrutiny of Annual return on afforestation	Annual Return not submitted.	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual Return not submitted.	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual Return not submitted.	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual Return not submitted.	Nil	

9h	Scrutiny of Annual Return Nil Annual return on not submitted. fixed assets
9k	Scrutiny of Annual Return Nil Annual return on not submitted. mining machineries

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
Rule 26(2)	02-AUG-21		
Rule 45(7)	02-AUG-21		

Date :

(ROBERT SIMON C)

Indian Bureau of Mines