

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KATNI/BX-57

Mine code : 07MPR47021

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Vivekanand Mishra Geologist and Lessee Himself a
Official with
Designation
- (iv) Date of Inspection : 29-JUN-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TIKARIYA (27.35 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI GANESH PRASAD VISHWAKARMA
correspondance JALPA DEVI WARD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2462
(b) Lease area : 27.35
(c) Period of lease : 20
(d) Date of Expiry : 09-FEB-27
4. Mineral worked : BAUXITE Main
FIRECLAY Associated
LATERITE Associated

5. Name and Address of the

Lessee : GANESH PRASAD VISHWAKARMA
JALPA DEVI WARD KATNI
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : GANESH PRASAD VISHWAKARMA
JALPA DEVI WARD KATNI
MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 29-AUG-13
Plan/Scheme of Mining MP modif under MCR 1960 18-MAR-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal was given for the reporting year 2019-20	No exploration work done in the year 2019-20	
1b	Exploration over lease area for geological axis 1 or 2	Partial area explored upto G1 level	Partial area explored upto G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Furnished	Not Furnished	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area under G2 levels needs to explored upto G1 level	G2 level area needs to explored upto G1 level	
1e	Balance reserve as on 01/04/20	as on 01.04.2016 121-668996, 122-119755, 221-411548, 222-8820	as on 01.04.2021 121-431206, 122-119755, 221-411548, 222-8820	
1f	General remarks of inspecting officers on geology, exploration etc			ML area belongs to Mahakaushal formation of Jabalpur Region

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern part of the lease area	southern area of the lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	4 meter mineral bench	

2c	Stripping ratio or ore to OB ratio	1:0.20	1:0.12
2d	Quantity of topsoil generation in m3	Not Proposed	Nil
2e	Quantity of overburden generation in m3	11825 m3 (murrum)	8152m3 (murrum)
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	Pit B in the southern part of the lease area	pit b in the southern part of the lease area	
3b	Quantity of ROM mineral production proposed	41875 m3	40761 m3	
3c	Recovery of sailable/usable mineral from ROM production	50%	50%	
3d	Quantity of mineral reject generation	No proposal was given for the reporting year	No work done in the reporting year	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal was given for the reporting year	No work done in the reporting year	
3f	Quantity of sub grade mineral generation.	Not Proposed	NIL	
3g	Grade of sub grade mineral generation	Not proposed	NIL	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Method proposed Screening	Mechanised Method Screening process
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not Applicable
3j	Provision of drilling and blasting in mineral benches	Not Proposed	Not Applicable
3k	Provision of mining machineries in mineral benches	Proposed	HEMM used in mineral benches for excavation and transportation
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	as per approved mining plan
3m	Total area covered under excavation/pits	5.5 hect	5.231 hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.20	1:0.12
3o	Total area put in use under different heads at the end of year	1.59 hect	1.21 hect
3p	Production of ROM mineral during the last five year period as applicable	2016- 17=128800, 2017- 18=107640, 2018-19=88320, 2019-20=143980	2016-17=51500, 2017- 18=67740, 2018-19=56550, 2019-20=62000
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)	Proposed	Separate dumping was done for waste & mineral	
4b	Location of topsoil, OB and mineral reject dumps	waste dump in north of the ML, mineral dump in northern portion of the ML area	waste dump in north east and south of the ML, mineral dump in south eastern portion of the ML	
4c	Number of dumps within lease area and outside of lease area	None	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	outside the UPL	
4e	Number of active and alive dumps.	None	None	waste used in preparation of mine roads
4f	Number of dead dumps.	none	none	
4g	Number of dumps established.	none	none	
4h	Whether Retaining wall or garland drain all along dumps are there.	proposed	prepared	
4i	Length of Retaining wall or garland drain all along dumps	80 meter retaining wall, 80-meter garland drain	garland drain of 100 meter prepared	
4j	Number of settling ponds	not proposed	none	
4k	Specific comments of inspecting officer on waste dump management			

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	proposed	full extraction was not done yet
5b	Area under backfilling of mined out area	No proposal was given for the reporting year	full extraction of the mineral was not done yet
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	in plantation as and when generated	used in plantation
5d	Total area fully reclaimed and rehabilitated	proposed	full extraction of mineral not done yet
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).	proposed	submitted	
6b	Area available for rehabilitation (ha) .	1.52 hect	1.40 hect	
6c	afforestation done (ha) .	1.52 hect	1.40 hect	
6d	No. of saplings planted during the year	150 nos	100 nos	
6e	Cumulative no .of plants	500 nos	350 nos	

6f Any other method not proposed nil
of
rehabilitation

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting proposed to be done within the lease area	as per approved mining plan proposed	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual method proposed	as per approved mining plan proposed	
7c	Different grade of mineral sorted out at mines.	not proposed	nil	
7d	Any beneficiation process at mines .	Not proposed	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			NA

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	as per proposal	
8b	Concurrent use or storage of topsoil	in plantation as and when generated	as per approved mining plan proposed	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per approved mining plan proposed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	full extraction of mineral not done yet	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	full extraction of mineral not done yet	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	as per approved mining plan	as per approved mining plan	
8g	Survival rate	90%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	not in practice	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			needs improvements

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR MR Submitted	AR & MR Submitted	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Furnished
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished
9d	Scrutiny of Annual return on afforestation	Furnished
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Furnished
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished
9h	Scrutiny of Annual return on fixed assets	Furnished
9k	Scrutiny of Annual return on mining machineries	Furnished

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 :

(DEEPAK SHARMA)

Indian Bureau of Mines