

**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-61

Mine code : 07MPR47023

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 25-SEP-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PADEREHI 10.88HA. BX. MIN**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : Padrehi
Taluka : Bahori Band
Post office : Kuwan
Pin Code : 483501
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : BHATTHA MOHALLA
correspondance : KATNI
MP
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : BAUXITE Main

5. Name and Address of the
Lessee : RAJENDRA GUPTA
BHATTHA MOHALLA KATNI
KATNI MADHYA PRADESH
Phone:
FAX :
6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal given for the reportig year 2019-20.	No work done for regarding exploration	
1b	Exploration over lease area for geological axis 1 or 2	Upto Geological axis G1	Mineralized area already explored upto G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Provided	Exploration carried out by lessee himself at the time of PL period based on the data / information of PL period ML granted	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Geological axis G1	Mineralised area already explored upto G1 level	
1e	Balance reserve as on 01/04/20	as on 16.04.2014 111-465491 t 211-48904 t	as on 01.04.2019 111-404459 t 211-48904 t	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration not carried out in teh reporting year, area expored up to G1 level, based upon the exploration carried out in the PL period.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it was proposed to do development towards north from the extreme north of the ML	development was carried out as per the proposal	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop separate benches in top soil and in mineral bench	Separate benches in top soil 0.50 meter and in mineral bench 3-4 meter avg	
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.19	
2d	Quantity of topsoil generation in m3	Nil-0 in the reporting year	Nil-0	
2e	Quantity of overburden generation in m3	Nil-0, in the reporting year	Nil-0	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work was carried out as per the proposal, as the OB and Top soil already removed in teh previous years, hence no OB generated in the reporting year

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1- single pit	1- Single pit	
3b	Quantity of ROM mineral production proposed	34304 t	30829 t	
3c	Recovery of sailable/usable mineral from ROM production	90-95 %	89-90 %	
3d	Quantity of mineral reject generation	Nil-0	Nil-0	

3e	Grade of mineral rejects generation and threshold value declared.	Nil-0	Nil-0
3f	Quantity of sub grade mineral generation.	Nil-0	Nil-0
3g	Grade of sub grade mineral generation	Nil-0	Nil-0
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Method proposed for segregation	Manual method adopted for sorting
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil
3j	Provision of drilling and blasting in mineral benches	No provision of drilling and blasting proposed	NA
3k	Provision of mining machineries in mineral benches	proposed	Excavator and dump trucks are in use
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable for mining`	bench width and heinght suitable for mining
3m	Total area covered under excavation/pits	1.25 hect	1.00 hect aprox
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.19
3o	Total area put in use under different heads at the end of year	1.45	1.30 hect aprox

3p	Production of ROM mineral during the last five year period as applicable	2016-17=18216 2017-18=19375 2018-19=27208 2019-20=34304 units are in tonnes	2016-17=18105 2017-18=19365 2018-19=23562 2019-20=30829 units are in tonnes	
3q	General remarks of inspecting officers on method of mining etc.			mechanised method of mining adopted with manula sorting of minerals

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 in being done for mineral and rejects	
4b	Location of topsoil, OB and mineral reject dumps	south east portion of the ML	south east part of ML as per proposal	
4c	Number of dumps within lease area and outside of lease area	Within the lease area	one small dump within the lease area	
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.	One active dump	One small active dump in teh south eastern portion of the ML	
4f	Number of dead dumps.	Not Proposed	NIL-0	
4g	Number of dumps established.	Not Proposed	NIL-0	
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 dumps	Not Proposed	Nil	
4j	Number of settling ponds	Not Proposed	NIL	
4k	Specific comments of inspecting officer on waste dump management			mine has started workign from last three year, no such ammount of waste generated for establishment, however dumps are being placed in the proposed place

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.	Full extration proposed	No area fully extracted fro backfilling	
5b	Area under backfilling of mined out area	Not Proposed	Nil-0, area not fully extracted	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	it was proposed to use top soil in plantation	top soil is being used in plantation	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil-0	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			backfilling and reclamation work not started yet, area not full extracted.

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	Not Submitted	
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	
6c	afforestation done (ha).	0.60 hect	1.00 hect	
6d	No. of saplings planted during the year	50 nos	50-60 nos	
6e	Cumulative no .of plants	50 nos	50-60 nos	
6f	Any other method of rehabilitation	Not Proposed	NIL	
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			in the name of PMCP work only plantation work carried out, area for reclamation not available as the full extraction of mineral not done

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise manual sorting proposed	grade wise manual sorting in done within the lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual sorting	

7c	Different grade of mineral sorted out at mines.	Not Proposed	None	
7d	Any beneficiation process at mines .	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Grade wise manual sorting of mineral is being done in the lease area

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	Separate removal of top soil in practice	
8b	Concurrent use or storage of topsoil	Plantation	top soil generated, is being used in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Separate dumps for reject and waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Area not availbale as the mine starts in last three year, full extraction of mineral under process	
8g	Survival rate	80-90%	85-90%	
8h	Water sprinkling on roads to control airborne dust	Proposed	water is being sprinkling by water tanker	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	proposed land for plantation was used and plantaion done, however needs to improve
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR MR not submitted till the year 2018-19, for 2019-20 AR not submitted yet	Not submitted	Violation issued for the same
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Submitted	Not Submitted	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not Submitted	Not Submitted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Return not submitted	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Return not submitted	NA	
9h	Scrutiny of Annual return on fixed assets	Return not submitted	NA	
9k	Scrutiny of Annual return on mining machineris	Return not submitted	NA	

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
MCDR17	Rule 26(2)	28-APR-21			
MCDR17	Rule 45(5) (k)	28-APR-21			
MCDR17	Rule 45(5) (c)	28-APR-21			
MCDR17	Rule 55(1) (3)	28-APR-21			

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines