

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KATNI/BX-34

Mine code : 07MPR47016

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 03-JUL-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHHAPARA (7.383 HA)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : CHHAPRA
Taluka : BAHORIBAND
Post office : CHHAPRA
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 SHASHI KANT KOHAD
correspondance P.O. NIWAR, DIST. KATNI (M.P.)
3. (a) Lease Number : MPR2443
(b) Lease area : 7.38
(c) Period of lease : 20
(d) Date of Expiry : 19-JUN-14
4. Mineral worked : BAUXITE Main
LATERITE Associated
FIRECLAY Associated

5. Name and Address of the

Lessee : SHASHI KANT KOHAD
P.O. NIWAR, KATNI MADHYA
PRADESH
Phone:07622 -320267, 325828
FAX :N.A

Owner : SHASHI KANT KOHAD
P.O. NIWAR, KATNI MADHYA
PRADESH
Phone: N.A
FAX : N.A

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	14-FEB-08
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	21-APR-09
		Mining Scheme rule 12 MCDR1988	15-FEB-12
		Renewal under rule 24 MCR1960	26-JUN-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 DTH, 2 TRIAL PIT	NIL	
1b	Exploration over lease area for geological axis 1 or 2	No Proposal	No Proposal	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	No Proposal	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	
1e	Balance reserve as on 01/04/20	121 - 0.519759 mt 221 - 0.395878 mt 333 - 0.192786 mt	121 - 0.519759 mt 221 - 0.395878 mt 333 - 0.192786 mt	AS ON 1/04/2019
1f	General remarks of inspecting officers on geology, exploration etc			The area has big working pit. There is ore zone of 17 mtr. On top of 0.25 m to 1.5 m laterite soil/ laterite, basal lithomarfic clay.revised proposal given in new plan.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N- 2611170 to N - 2611360,E - 417830 TO E - 417975	E - 417830 TO E - 417975,N- 2611170 to N - 2611360	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	In O.B./soil + Mineral zone	As per plan
2c	Stripping ratio or ore to OB ratio	1:0.76	1: 11.0
2d	Quantity of topsoil generation in m3	1040 cu.m	1250 cu.m
2e	Quantity of overburden generation in m3	9777 cu.m	11400 cu.m
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		OB laterite soil - 2 mtr bench. Ore zone bench - 6 mtr height, 4 mtr wide, 6 to 10 mtr bench height is developed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	14154 cu.m/ 32554 T	1090 cu.m/ 2508 T	
3c	Recovery of sailable/usable mineral from ROM production	YES	YES	
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.	No	No
3j	Provision of drilling and blasting in mineral benches	No	No
3k	Provision of mining machineries in mineral benches	Yes	used excavators, tipper
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	6 mtr by 6 - 10 mtr - ore 2 mtr by 2*10 mtr in waste.
3m	Total area covered under excavation/pits	3.06 Ha	2.10 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.76	1: 11.0
3o	Total area put in use under different heads at the end of year	Pit - 3.06 Dump - 2.42 Road - 0.25 drain bund	Pit - 2.10 Dump - 2.0 Road - 0.56 drain bund

3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 31740 T 2016-17- 26165 T 2017 - 18 - 2051 T 2018 - 19 - 32554 T	2015-16 - 0 T 2016-17- 2520 T 2017 - 18 -955 T 2018 - 19 -2508 T
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3q	General remarks of inspecting officers on method of mining etc.	Mining is done by forming benches 6mtr in ore. 2 mtr in waste.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Soil + O.B. + Interbueden	Combined	
4b	Location of topsoil, OB and mineral reject dumps	South waste of Lease	South waste	
4c	Number of dumps within lease area and outside of lease area	-	-	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South west of Lease	South west of Lease	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	03	03	
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	made	

4i	Length of Retaining wall or garland drain all along dumps	250 mtr-drain +bund	drain + bund-200 mtr	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Proposal in plan to fill barrier zone and stack in dump located at south west. In the year it is done on dump.

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.	Yes upto 427 m RL	Mining is done upto 426.4 m RL	Mined to depth. Only in barrier.
5b	Area under backfilling of mined out area	No proposal	No proposal	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Soil available to be used.	Soil used.	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling is done. No proposal for used in bund roads.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).			Not Submitted
6b	Area available for rehabilitation (ha) .	No Proposal	No Proposal	
6c	afforestation done (ha).	No Proposal	No Proposal	
6d	No. of saplings planted during the year	No Proposal	No Proposal	
6e	Cumulative no .of plants	No Proposal	No Proposal	
6f	Any other method of rehabilitation	No Proposal	No Proposal	
6g	Cost incurred on watch and care during the year	No Proposal	No Proposal	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No Proposal	No Proposal	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	No Proposal	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal	No Proposal	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	No Proposal	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No Proposal	No Proposal	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal	No Proposal	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal	No Proposal	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	No Proposal	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Some plantation can be seen in Mine barrier.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise	Grade wise	Metal grade, Alum Grade
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Metal grade, Alum Grade	Metal grade, Alum Grade	
7d	Any beneficiation process at mines .	No	No	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mine generates Bauxite, Fire clay, laterite. Bauxite separated in Metal and Alum grade. AL ₂ O ₃ > 43.5 - Metal, Alum -> 50 % -Al ₂ O ₃

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Common Dump	Common Dump	No reject soil + No top soil Interburden.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No	No	Not in review year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	Planned in future
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	230 + 50/	year 50	Done in Barriers
8g	Survival rate	70%	60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation in barrier was observed in North of mine.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			Annual Return not submitted, Monthlr return submitted.

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

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
MCDR17	Rule 11(1)	18-OCT-19			
MCDR17	Rule 13(1)	18-OCT-19			
MCDR17	Rule 26(2)	18-OCT-19			
MCDR17	Rule 55(1) (3)	18-OCT-19			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines