

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/ANUP/BX-3

**Mine code :** 07MPR38002

- (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 : 19-MAR-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHACHANDIH ( 17.744 HA)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SHAHDOL  
Village : CHACHANDIH  
Taluka : PUSPARAJGARH  
Post office : RAJANDRAGRAM  
Pin Code : 484881  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station : Rajandragram
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI RAM AUTAR AGRAWAL  
correspondance P.O. JAITWARA, DIST. SATNA (M.P.) 485221
3. (a) Lease Number : MPR2071  
(b) Lease area : 17.74  
(c) Period of lease : 20  
(d) Date of Expiry : 06-MAY-24
4. Mineral worked : BAUXITE Main  
OCHRE Associated  
LATERITE Associated

## 5. Name and Address of the

Lessee : RAM AUTAR AGRAWAL  
P.O. JAITWARA SATNA  
MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : RAM AUTAR AGRAWAL  
P.O. JAITWARA SATNA  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	13-JUN-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	09-MAY-05
		Modif.of approved Mining Plan	14-FEB-08
		Mining Scheme rule 12 MCDR1988	23-FEB-12
		Mining Scheme rule 12 MCDR1988	25-FEB-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	nil	nil	
1b	Exploration over lease area for geological axis 1 or 2	no proposal	entire area is G2 level of survey.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	na	na	no proposals
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	all in g2 as per approved plan.
1e	Balance reserve as on 01/04/20	--	122- 869085 tons,222 - 159442,tons	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area is in G2 level of exploration.it is shallow ,hill top type deposit.it has soil,laterite,bauxite and at bottom lithomargic clay.the total depth of mining is maximum upto 10 mtr.bauxite is upto 6 mtrs.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-2626025-5825,E-562500-562650	N-2626075-5950,E-562500-562575	Less advance in east ,more advance in south
2c	Stripping ratio or ore to OB ratio	1.9:1	1.2:1	
2d	Quantity of topsoil generation in m3	8250 m3	8500 m3	

2e Quantity of overburden generation in m3 17675 m3 18200 m3

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc mines is developed in benches.2 benches in waste,2 in mineral.it is worked by shovel tipper .the waste is soil and laterite and below it two benches of bauxite are won.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	02	SOME WORK DONE IN PIT 2. NOT AS PER PLAN . VIOLATION POINTED OUT.
3b	Quantity of ROM mineral production proposed	50,197T	49,990T	
3c	Recovery of sailable/usable mineral from ROM production	NP	NA	
3d	Quantity of mineral reject generation	NP	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NP	NA	
3f	Quantity of sub grade mineral generation.	NP	NA	
3g	Grade of sub grade mineral generation	NP	NA	

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3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	BAUXITE SEPERATED FROM WASTE AT FACE MANUALLY.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NP	NA	
3j	Provision of drilling and blasting in mineral benches	NP	NA	
3k	Provision of mining machineries in mineral benches	YES	USED	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	SUITABLE	SUITABLE	UPTO 4MTR
3m	Total area covered under excavation/pits	9 HECT	6.5 HECT	
3n	Ore to OB ratio for the pit/mine during the year.	01.19:1	1.2:1	
3o	Total area put in use under different heads at the end of year	9.0 HECT. +(INFRA+ROAD)- 0.27	PIT6.5 HECT, INFRA-. 0.27	
3p	Production of ROM mineral during the last five year period as applicable	16-17 50,002T. 17-18 50002T. 18-19 50002T. 19-20 5,0197T.	16-17 49950T. 17-18 11,789 T. 18-19 49,994 T. 19-20 49,990	

3q General remarks of inspecting officers on method of mining etc.

THE WORKING IS DONE BY SHOVEL TIPPER. APPROX 1.5 MTR SOIL, TWO METER LATERITE TWO 3MTR BENCHES OF BAUXITE ARE SEEN. violation is given for working in extrapit and slight deviation in working face direction.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping np of topsoil, OB and mineral rejects (Rule 32,33)		NA	NO DUMPING .ONLY BACKFILLING PROPOSED.
4b	Location of topsoil, OB and mineral reject dumps	NA	some dumping done on working face.	violation issued.
4c	Number of dumps within lease area and outside of lease area	---	02	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	---	02	
4f	Number of dead dumps.	NA	NA	
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	NA	NA	
4j	Number of settling ponds	NA	NA	

4k	Specific comments of inspecting officer on waste dump management		Two small height dumping of wastematerial upto 1-2 mtr ht observed near moving front.violation given for same.not as per plan.
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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.	FULL	BEING DONE.	
5b	Area under backfilling of mined out area	0.5 HECT	0.3 HECT	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	YES	DONE	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	Concurrent backfilling is done.approx an area of 1.5 hectare is backfilled
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-		Concurrent backfilling is done.approx an area of 1.5 hectare is backfilled

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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.VIOLATION POINTED OUT.
6b	Area available for rehabilitation (ha) .	na	na	
6c	afforestation done (ha).	na	na	
6d	No. of saplings planted during the year	na	na	
6g	Cost incurred on watch and care during the year	np	na	there are no proposals for mined out benches.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D		3 hect pit	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	.5 hect	o.3 hect	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	0.5	0.3	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	na	na	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	np	na	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	np	na	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	na	na	
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	being done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			an area of more than 1.5 hectare is backfilled.backfilling area for year is less.violation pointed out.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	GRADE SEPRATION - GRADE SEPRATION IN METAL and CEMENT	GRADE SEPRATION IN METAL and CEMENT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	MANUAL	
7c	Different grade of mineral sorted out at mines.	METAL and CEMENT grade	METAL and CEMENT grade	

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7d	Any beneficiation process at mines .	NP	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			MINERAL IS SORTED AND SEPERED IN TO TWO GRADES

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NP	Na	lateritic soil available is used for backfilling
8b	Concurrent use or storage of topsoil	CONCURRENT	CONCURRENT	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	backfilling	two external 1-2 mtr dumping done.	violation given
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes	done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes	being done	

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	baseline---	addittional : 300 plants	
8g	Survival rate	--	60%	
8h	Water sprinkling on roads to control airborne dust	yes	being done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			lot of area ,approx-2 hect is backfilled in mines.plantatation has been done on same.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		they are submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME-sumit singh,geologis t-dilip kumar		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	6.5 HECT-PITS. WITHIN INFRA+ROAD=0.2 FA LIMITS. 7		
9d	Scrutiny of Annual return on afforestation	500 PLANTS		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	no rejects generated	

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- 9f Scrutiny of 15317.950 t  
Annual return on ,cement grade  
ROM stock and/or  
graded ore
- 9g Scrutiny of SALE VALUE-  
Annual return on 787/=  
sale value, Ex. EX MINE-787,  
Mine price and COP-557Rs/T  
production cost
- 9h Scrutiny of FA=8,68,563.(M value of FA is given.  
Annual return on ECHINERY+PLT.B  
fixed assets LY)
- 9k Scrutiny of JACK HAMMER - list of machinery used  
Annual return on 01NOS./32MM is given.  
mining VOLVO  
machineries EXCAVATOR-  
1.8M3  
TRUCKS-3 NOS-  
16 TON.
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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
MCDR17	Rule 11(1)	28-APR-21			
MCDR17	Rule 26(2)	28-APR-21			
MCDR17	Rule 31(1)	28-APR-21			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines