

MCDR-MIFLOBXT/8/2023-JBP-IBM_RO_JBP
INDIAN BUREAU OF MINES

MINERALS DEVELOPMENT AND REGULATION DIVISION

I/14264/2023

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/JBP/BX-58

Mine code : 07MPR18035

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri.Arun Kumar Chopra
Official with
Designation
- (iv) Date of Inspection : 12-FEB-23
- (v) Prev.inspection date : 12-JUN-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : ROSARA (5.22 HA)
- (b) Registration NO. :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : JABALPUR
Village : ROSRA
Taluka : MAJHOLI
Post office : MAJHOLI
Pin Code : 483446
FAX No. : NA
E-mail : NA
Phone : 9630789861
- (f) Police Station : MAJHOLI
- (g) First opening date : 05-OCT-11
- (h) Weekly day of rest :
2. Address for : SHREE ANAND KHANIJ UDYOG
correspondance 110,BHASIN RESIDENCY,SOUTH CIVIL LINES
JABALPUR, MP, 482001
3. (a) Lease Number : MPR2197
- (b) Lease area : 5.22
- (c) Period of lease : 50
- (d) Date of Expiry : 02-JUN-58
4. Mineral worked : BAUXITE Main
FIRECLAY Associated
LATERITE Associated

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5. Name and Address of the

Lessee : SHREE ANAND KHANIJ UDYOG
110,BHASIN RESIDENCY NEAR
JACKSON HOTEL SOUTH CIVIL
LINES JABALPUR MADHYA
PRADESH
Phone: 9630789861
FAX :NA

Owner : SHREE ANAND KHANIJ UDYOG
110,BHASIN RESIDENCY NEAR
JACKSON HOTEL SOUTH CIVIL
LINES, JABALPUR JABALPUR
MADHYA PRADESH
Phone: 9630789861
FAX : NA

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	16-OCT-14
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	12-APR-18
	:	MP review under 17(1) MCR 2016	21-JAN-19

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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	NA	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	5.22 ha area already explored under G1 as per latest mining plan.	5.22 ha area already explored under G1 as per latest mining plan.	
1e	Balance reserve as on 01/04/20	1.775 Million tonnes	1.775 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			The Bauxite deposit of the lease area belongs to Amarkantak Group. The deposit extends along the strike in NE- SW direction. The deposit type has been considered as Bedded Stratiform and tabular deposits of irregular habit. The strike of the deposit is N 50 degree E - S 50 degree W and the dip varies from 3 to 5 degree towards SE.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	central and southern part of the quarry.	central and southern part of the quarry.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and minerals proposed	maintained	
2c	Stripping ratio or ore to OB ratio	1:0.07	1:0.07	
2d	Quantity of topsoil generation in m3	nil	nil	

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2e	Quantity of overburden generation in m3	4412 m3	4309 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development were being carried out towards south and in depth. The development were being carried out in 3 benches. The benches found in ore zone bauxite / laterite/fire clay. The height of the bench found up to 6m while the width varied from 6m to 10m. The ramp were being extended to floor of the quarry at a gradient of 1 in 10 from south east. The benches that were developed are of 412m, 406m and 404m RL.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	60434 tonnes	60300 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	not proposed	not done	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA
3j	Provision of drilling and blasting in mineral benches	Not proposed	not done.
3k	Provision of mining machineries in mineral benches	Proposed	As per proposal
3m	Total area covered under excavation/pits	Not specified	3.08 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.07	1:0.07
3o	Total area put in use under different heads at the end of year	Not specified	3.48 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 75544 2019-20 73114 2020-21 59069. 2021-22 60434.	2018-19 45720 2019-20 49980 2020-21 49939 2021-22 60300
3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised method of mining were being adopted in the lease area. All operation of mining such as development, winning of ore, loading and transport were being carried out by utilising HEMM. In addition, manual sorting, sizing & loading of mineral was also carried out. No drilling was carried out. Working is carried out in quarry in the ML area. The height of the benches were found to be varying from 1.5 m to 6 m. The width of the bench varies from 6m to 10m.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps of OB & Mineral proposed	Separate dumps of OB & Mineral maintained	

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4b	Location of topsoil, OB and mineral reject dumps	01 dump in eastern part of the quarry.	01 dump in eastern part of the quarry.
4c	Number of dumps within lease area and outside of lease area	01 dump within lease area	01 dump within lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	outside UPL
4e	Number of active and alive dumps.	01	01
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.		Garland drain of 200 meters observed
4i	Length of Retaining wall or garland drain all along dumps	not proposed	Garland drain of 200 meters
4j	Number of settling ponds	One	One
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.	Area not matured for backfilling	Nil	

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5b	Area under backfilling of mined out area	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil generation proposed	Nil
5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area not yet matured for backfilling and reclamation.	

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).	Yes	submitted	
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	

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6q General remarks
of inspecting
officers on PMCP
compliance and
progressive
closure
operations etc.

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 done	
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	manual	manual	
7c	Different grade of mineral sorted out at mines.	not specified	Cement grade	
7d	Any beneficiation process at mines .	not proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No beneficiation process at mines were being adopted. ROM mineral dispatch after manual sorting were being done.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal proposed for the year	Nil
8b	Concurrent use or storage of topsoil	NA	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed	Separate dumps for overburden maintained
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	OB used for preparation of bund
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	Available
8g	Survival rate	Not specified	
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.

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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
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I/14264/2023	9a Status of submission of Monthly and Annual returns	Submitted.	Submitted online
	9b Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager Akash Nagvanshi Mining Engineer in charge Akash Nagvanshi Geologist in charge Dilip Mishra
	9c Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.050 0.050 (ii) Covered under current (O/C) Workings 0.000 3.080 3.080 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.250 0.250 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.100 0.100 (vi) Other Purpose (Green belt) 0.000 0.450 0.450
	9d Scrutiny of Annual return on afforestation	Given	(i) Number of trees planted during the year 90 & 200 (ii) Survival rate in percentage 5.00 & 20
	9e Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Nil
	9f Scrutiny of Annual return on ROM stock and/or graded ore	Given	Grades (% of Al2O3 content) Average Grade Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in ₹ Per Tonne) (d) Cement 1908.690 5010.000 1416.080 5502.610 400.00

9g I/14264/2023	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex-mine price (in ₹ Per Tonne) - 400.
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (in ₹) 14680504
9k	Scrutiny of Annual return on mining machineries		Annual Return not submitted.

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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

Date :

(ROBERT SIMON C)

Indian Bureau of Mines