

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/STN/OCH-151

Mine code : 44MPR35172

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh Ramchandra Agrawal (Agent), Supervisory staff and
Official with
Designation
- (iv) Date of Inspection : 01-AUG-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOLDIYA NO 2 (45.892 HA)**
- (b) **Registration NO.** : **IBM/6677/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : KOLDIYA
Taluka :
Post office :
Pin Code :
FAX No. : 07671274327
E-mail : kunjilalishwariprasad@gmail.
Phone : 9425172715
- (f) Police Station : SATNA
- (g) First opening date : 01-DEC-04
- (h) Weekly day of rest : SUN
2. Address for : M/S KUNJILAL ISHWARI PRASAD AGRAWAL
correspondance P.O. JAITWARA, DIST. SATNA (M.P.)
PINCODE- 485221
3. (a) Lease Number : MPR2259
- (b) Lease area : 45.89
- (c) Period of lease : 20
- (d) Date of Expiry : 22-JAN-22
4. Mineral worked : OCHRE Main
BAUXITE Associated
LATERITE Associated
CLAY (OTHERS) Associated

5. Name and Address of the

Lessee : KUNJILAL ISHWARI PRASAD AGRAWAL
AT & P.O. JAITWARA
DIST.SATNA M.P SATNA MADHYA
PRADESH
Phone:09425172715
FAX :N. A.

Owner : KUNJILAL ISHWARI PRASAD AGRAWAL
AT & P.O. JAITWARA DIST.
SATNA M.P SATNA MADHYA
PRADESH
Phone: 09425172715
FAX : N. A.

Agent : RAMCHANDRA AGARWAL
AT & P.O. JAITWARA DIST.
SATNA M.P SATNA MADHYA
PRADESH
Phone: 9425172715
FAX : 07671-274227

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20-DEC-01
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	18-MAY-09
		Mining Scheme rule 12 MCDR1988	31-AUG-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	02 nos. of exploratory bore holes in 2018-19	Nil	Violation pointed out for the same.
1b	Exploration over lease area for geological axis 1 or 2	Exploration for G-1	Exploration not complete proposed in the year 2018-19.	Violation pointed out for the same.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	30.91 Ha balance area for exploration in G-1	
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2019 122 - 0.3 Million Tones	
1f	General remarks of inspecting officers on geology, exploration etc			Exploratory bore holes were not drilled as per approved proposals. Violation pointed out for the same.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E/W 516938 to 517146 and 517008 to 517138 N/S 268393 to 2684140 and 268393 to 268409	E/W 516938 to 517146 and 517008 to 517138 N/S 268393 to 2684140 and 268393 to 268409	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop five benches (B1 to B5) in the pit towards north and west in the year 2018-19.	only four benches (B1 to B4) developed up to year 2018-19.	mine development was lagging from the approved proposals. Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	1: 0.25	1: 0.25	
2d	Quantity of topsoil generation in m3	10500 m3	1000 m3	Violation pointed out for less development.
2e	Quantity of overburden generation in m3	8960 M3	4000 m3	Violation pointed out for less development.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			mine development was lagging from the proposal in the year 2018-19. Violation pointed out for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	Bauxite ore - 73600 MT	Bauxite ore - 17867 MT	
3c	Recovery of sailable/usable mineral from ROM production	80% of ROM	approx 80% of ROM	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	

3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil
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.	Not proposed	NA
3j	Provision of drilling and blasting in mineral benches	No	No
3k	Provision of mining machineries in mineral benches	Shovel and dumper	Shovel and dumper
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	3.75 Ha	1.65 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.25	1: 0.25
3o	Total area put in use under different heads at the end of year	6.6 Ha	4.4 Ha

3p	Production of ROM mineral during the last five year period as applicable	2014-15 - NIL 2015-16 - NIL 2016-17 - 69552 MT 2017-18 - 69552 MT 2018-19 - 73600 MT	2014-15 - NIL 2015-16 - NIL 2016-17 - 200 MT 2017-18 - 380 MT 2018-19 - 17867 MT
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)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	towards south and east side	towards south and east side	
4c	Number of dumps within lease area and outside of lease area	Two	Two	
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.	Two	Two	
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 arond the mine pit.	Garland drain arond the mine pit maintained	

4i	Length of Retaining wall or garland drain all along dumps	Not specified	approx. 50 m
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.	Not specified.	Backfilling done partially at 1000 sq m area.	
5b	Area under backfilling of mined out area	Not proposed	2800 sq m	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	500 m ³ top soil used to spread on backfilled area.	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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).	Yes	Not submitted	Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	
6c	afforestation done (ha).	Not proposed	NIL	
6d	No. of saplings planted during the year	Not proposed	NIL	
6e	Cumulative no .of plants	No	NIL	
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	Not specified	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	2800 m3	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No	1000 sq m	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No	Patially Backfilling done.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No	Plantation done in the waste land	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	
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.			yearly report as per the rule 26(2) has not been submitted to this office. Violation pointed out for the same.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch and Garde wise sorting	ROM mineral dispatch and Garde wise sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	Grades for Bauxite Cement grade Chemical grade	Grades for Bauxite Cement grade Chemical grade
7d	Any beneficiation process at mines .	Not proposed	Manual sorting in mine
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	utilization of topsoil on backfilled area	utilization of topsoil on backfilled area	
8b	Concurrent use or storage of topsoil	Storage of Top soil and utilization on the backfilled area	Storage of Top soil and utilization on the backfilled area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Utilised for backfilling of mined out area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Back filling of the pit was on progress with waste material	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation in the waste land and barrier zone	Plantation in the waste land and barrier zone	
8g	Survival rate	Not proposed	approx. 80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Mining operation has been done in one pit. plantation done in waste land.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR submitted for the year 2018-19.	MR and AR submitted for the year 2018-19.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	No Mining Engineer and Geologist appointed	Violation pointed out for the same.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	as per AR	
9d	Scrutiny of Annual return on afforestation	Yes	as per AR	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	as per AR	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Bauxite Cement Grade - 11552.250 Te Bauxite Chemical Grade - 2646.480 Te	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Sale Value - Bauxite Cement Grade - Rs 600 per Te Bauxite Chemical Grade - Rs 700 per Te Ex Mine price - Bauxite Cement Grade - Rs 600 per Te Bauxite Chemical Grade - Rs 700 per Te	
9h	Scrutiny of Annual return on fixed assets	Yes	as per AR	
9k	Scrutiny of Annual return on mining machineries	Yes	as per AR	

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 11(1)	18-OCT-19			
MCDR17	Rule 26(2)	18-OCT-19			
MCDR17	Rule 28(3) (c)	18-OCT-19			
MCDR17	Rule 33	18-OCT-19			
MCDR17	Rule 55(1) (3)	18-OCT-19			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines