

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/OCH-98

Mine code : 32MPR35043

- (i) Name of the Inspecting : **K006**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 19-FEB-20
- (v) Prev.inspection date : 14-MAR-11

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARUI (8.178 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 : BARUI
Taluka : MAJHGAMA
Post office : DEORA
Pin Code :
FAX No. : N. A.
E-mail : kunjilalishwariprsad@gmail
Phone : 09425172715
- (f) Police Station : Sabhapur
- (g) First opening date : 13-MAR-81
- (h) Weekly day of rest : MON
2. Address for : M/S KUNJILAL ISHWARI PRASAD AGRAWAL
correspondance P.O. JAITWARA, DIST. SATNA (M.P.) 485221
3. (a) Lease Number : MPR2002
- (b) Lease area : 20
- (c) Period of lease : 20
- (d) Date of Expiry : 26-DEC-00
4. Mineral worked : BAUXITE Associated
KAOLIN Associated
LATERITE Associated
OCHRE Main
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.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05-JUN-97
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	28-APR-06
	:	Renewal under rule 24 MCR1960	15-FEB-12
	:	Mining Scheme rule 12 MCDR1988	10-NOV-15

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	G-2	G-2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		122 - 106101 MT	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Quarry -3 in SW direction, Quarry-1, 2 in NE direction of lease.	Quarry -3 in SW direction, Quarry-1, 2 in NE direction of lease.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches of OB and mineral, No top soil bench	The benches were found unsystematically developed and not as per approved document.	Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	1:0.33	1:0.30	Mine development is less than the proposed in approved document. Violation pointed out for the same.

2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	3613 m3	2000 m3	Violation pointed out for the same.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine done development was less than the proposed quantity 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	Two	Two	
3b	Quantity of ROM mineral production proposed	3915 Te	2292 Te	
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	NA	
3d	Quantity of mineral reject generation	Not proposed	NA	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NA	
3f	Quantity of sub grade mineral generation.	Not proposed	NA	
3g	Grade of sub grade mineral generation	Not proposed	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	NA	
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	No	No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The benches were found unsystematically developed and not as per approved document.	Violation pointed out for the same.
3m	Total area covered under excavation/pits	4624 sq M	2500 sq M	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.33	1: 0.30	
3o	Total area put in use under different heads at the end of year	4.99 Ha	3.75 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 8901 Te 2015-16 - 0 2016-17 - 4986 Te 2017-18 - 3928 Te 2018-19 - 3915 Te	2014-15 - 0 2015-16 - 0 2016-17 - 0 2017-18 - 269 Te 2018-19 - 2292 Te	

3q	General remarks of inspecting officers on method of mining etc.	The benches were found unsystematically developed and not as per approved document. Violation pointed out for the same.
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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	East side of Quarry-3	East side of Quarry-3	
4c	Number of dumps within lease area and outside of lease area	One dump in side the lease area	One dump in side the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL	Out side the UPL	
4e	Number of active and alive dumps.	One	One	
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.	Not proposed	Not done.	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	One	One	

4k	Specific comments of inspecting officer on waste dump management	It was proposed to prepare and maintain garland drain and retaining wall around the lease boundary.	Garland drain and retaining wall were not maintained properly.	Violation pointed out for the same.
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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.	Nil	Nil	
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)	Nil	Nil	
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	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch and care during the year	Not proposed	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	2500 m3	1000 m3	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	500 plants	Nil	Violation pointed out for the same.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil
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	Yes

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	It was proposed to prepare and maintain garland drain and retaining wall around the lease boundary. The protective measures including reclamation and rehabilitation work proposed in approved PMCP.	Garland drain and retaining wall were not maintained properly. The protective measures including reclamation and rehabilitation work have not been carried out fully or partly in accordance with approved PMCP.	Violation pointed out for the same.
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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch Chemical Grade	ROM mineral dispatch Chemical Grade	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Chemical Grade	Chemical Grade	
7d	Any beneficiation process at mines .	Not proposed	NA	
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)	No top soil available	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	0.2 Ha OB dump.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB to be used for backfilling at 500 sq M	Nil	Violation pointed out for the same.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Plantation in 500 sq M area	Nil	Violation pointed out for the same.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	NA	
8g	Survival rate	80%	approx. 70 %	
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			

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR of 2018-19 to be submitted	MR and AR submitted for the year 2018-19.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer and Geologist have not been appointed for this lease area	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	Afforestation not done as per approved document.	Violation pointed out for the same.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	as per AR	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	as per AR	
9h	Scrutiny of Annual return on fixed assets	Yes	as per AR	
9k	Scrutiny of Annual return on mining machineries	Manual	Manual	

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)	13-APR-20			
MCDR17	Rule 26(1)	13-APR-20			
MCDR17	Rule 26(2)	13-APR-20			
MCDR17	Rule 31(4)	13-APR-20			
MCDR17	Rule 33	13-APR-20			
MCDR17	Rule 35(1)	13-APR-20			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines