

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/KATNI/BX-56

Mine code : 07MPR47020

- (i) Name of the Inspecting : **K006**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh Arpit Jain (Agent & Representative of Owner)
Official with
Designation
- (iv) Date of Inspection : 15-JAN-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TIKARIYA (4.010 HA)**
- (b) **Registration NO.** : **IBM/10077/2011**
- (c) Category : A Other Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : TIKARIA
Taluka : KATNI
Post office : PAHADI
Pin Code : 483501
FAX No. : 9630057584
E-mail : pacificbauxite@gmail.com
Phone : 9630057584
- (f) Police Station : Pahari
- (g) First opening date : 14-DEC-09
- (h) Weekly day of rest : SUN
2. Address for : MotiBagh, Mai Nadi Par
correspondance HEERA GANJ, KATNI
(M.P.) 483501
3. (a) Lease Number : MPR2460
- (b) Lease area : 4.01
- (c) Period of lease : 20
- (d) Date of Expiry : 21-SEP-29
4. Mineral worked : BAUXITE Main
FIRECLAY Associated
LATERITE Associated

5. Name and Address of the

Lessee : MOTILAL BAJAJ
HEERAGANJ, KATNI MADHYA
PRADESH
Phone:07622 -320267, 325828
FAX :N.A

Owner : MOTILAL BAJAJ
HEERAGANJ, KATNI MADHYA
PRADESH
Phone: 07622 -320267,
FAX : N.A

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 24-JUL-14
Plan/Scheme of Mining : MP review under 17(1) MCR 2016 16-SEP-20

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	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Complete area to be explored under G-1 axis	Area under G-1 - 3.55 Hect Area under G-2 - 0.46 Hect	
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2020 : 0.117 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Bauxite deposit of Amarkantak Group is found in the area. Rocks are richer in alumina in the form of aluminium silicate . Entire area is covered by soil ranging from 2-6m . Below the soil cover Bauxite is found up to depth of 21m with a thickness of mineralised zone of 16.5m.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No approved document for the RY 2019-20.	Location of development is found deviated, unsystematic and not as per approved document for the year 2020-21.	As per approved document dated 16/09/2020 , separate benches of 3m height shall be maintained in the mine and active bench widths at the mine shall be not less than 7m at any place. In the southern and western side of the lease benches have been merged up at some places. Resulting height of the benches found more than the proposed in approved document and also width of the benches found very less. Violation pointed out for the same under rule 11(1) of MCDR-2017
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved document for the RY 2019-20.	Seperate benches not maintained as per proposal of approved document 16/09/2020	Without any proposal in approved document, mine development was observed in the south east part of the mine at about the grid location N2624600 to N2624625 & E439200 to 439290 near BP 05. Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	No approved document for the RY 2019-20.	NA	
2d	Quantity of topsoil generation in m3	No approved document for the RY 2019-20.	NA	

2e	Quantity of overburden generation in m3	No approved document for the RY 2019-20.	NA
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		As per approved document dated 16/09/2020 , separate benches of 3m height shall be maintained in the mine and active bench widths at the mine shall be not less than 7m at any place. In the southern and western side of the lease benches have been merged up at some places. Resulting height of the benches found more than the proposed in approved document and also width of the benches found very less. Violation pointed out for the same under rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved document for the RY 2019-20.	NA	
3b	Quantity of ROM mineral production proposed	No approved document for the RY 2019-20.	NIL	
3c	Recovery of sailable/usable mineral from ROM production	No approved document for the RY 2019-20.	NIL	

3d	Quantity of mineral reject generation	No approved document for the RY 2019-20.	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No approved document for the RY 2019-20.	NIL
3f	Quantity of sub grade mineral generation.	No approved document for the RY 2019-20.	NIL
3g	Grade of sub grade mineral generation	No approved document for the RY 2019-20.	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	No approved document for the RY 2019-20.	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved document for the RY 2019-20.	NA
3j	Provision of drilling and blasting in mineral benches	No approved document for the RY 2019-20.	NA
3k	Provision of mining machineries in mineral benches	No approved document for the RY 2019-20.	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No approved document for the RY 2019-20.	NA
3m	Total area covered under excavation/pits	No approved document for the RY 2019-20.	NA

3n	Ore to OB ratio for the pit/mine during the year.	No approved document for the RY 2019-20.	NA		
3o	Total area put in use under different heads at the end of year	No approved document for the RY 2019-20.	NA		
3p	Production of ROM mineral during the last five year period as applicable	2015-16 35588t 2016-17 35339t 2017-18 35536t 2018-19 35273t 2019-20 NIL	2015-16 8650t 2016-17 49436.739t 2017-18 35005t 2018-19 35501t 2019-20 NIL		It has been observed during inspection that the dispatch of mineral was done in 2019-20 form ML i.e. mine was in operation without having any valid approved document. Violation was pointed out for the same under 11(1) of MCDR-2017.

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

As per approved
document dated
16/09/2020 ,
separate benches
of 3m height shall
be maintained in
the mine and
active bench
widths at the mine
shall be not less
than 7m at any
place. In the
southern and
western side of
the lease benches
have been merged
up at some places.
Resulting height
of the benches
found more than
the proposed in
approved document
and also width of
the benches found
very less.
Violation pointed
out for the same
under rule 11(1)
of MCDR-2017

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No approved document for the RY 2019- 20.	NA	

4b	Location of topsoil, OB and mineral reject dumps	No approved document for the RY 2019-20.	Four Dumps observed during inspection: D1-N230 43' 54.16" E800 24' 11.67" D2- N230 43' 53.76" E800 24' 14.65" D3- N230 43' 52.97" E800 24' 11.49" D4- N230 43' 52.71" E800 24' 10.59"	Without any proposal in approved document dated 16/09/2020, The Stock of mineral & overburden were observed within 7.5-meter statutory barrier zone in the western portion at about the grid location N2624580 to N2624680 & E439150 to 439200 of the lease area near BP-22 to BP-24. Violation pointed out for the same under rule 11(1) of MCDR-2017.
4c	Number of dumps within lease area and outside of lease area	No approved document for the RY 2019-20.	Four Dumps observed during inspection: D1-N230 43' 54.16" E800 24' 11.67" D2- N230 43' 53.76" E800 24' 14.65" D3- N230 43' 52.97" E800 24' 11.49" D4- N230 43' 52.71" E800 24' 10.59"	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved document for the RY 2019-20.	Dumps were found within UPL.	
4e	Number of active and alive dumps.	No approved document for the RY 2019-20.	Four	
4f	Number of dead dumps.	No approved document for the RY 2019-20.	Nil	
4g	Number of dumps established.	No approved document for the RY 2019-20.	NIL	

4h	Whether Retaining wall or garland drain all along dumps are there.	No approved document for the RY 2019-20.	NA	
4i	Length of Retaining wall or garland drain all along dumps	No approved document for the RY 2019-20.	160m in the eastern direction along the dump	
4j	Number of settling ponds	No approved document for the RY 2019-20.	NIL	
4k	Specific comments of inspecting officer on waste dump management			No approved document for the RY 2019-20. Four active dumps were observed during the inspection.

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.	No approved document for the RY 2019-20.	Mineral not fully extracted from mined out area.	Area not matured for backfilling.
5b	Area under backfilling of mined out area	No approved document for the RY 2019-20.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved document for the RY 2019-20.	NIL	
5d	Total area fully reclaimed and rehabilitated	No approved document for the RY 2019-20.	NIL	No reclamation and rehabilitation found during inspection.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No approved document for the RY 2019-20.
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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	Not Submitted	Yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2019-20. Violation pointed out for the same under rule 26(2) of MCDR-2017.
6b	Area available for rehabilitation (ha) .	No approved document for the RY 2019-20.	Nil	
6c	afforestation done (ha).	No approved document for the RY 2019-20.	Nil	
6d	No. of saplings planted during the year	No approved document for the RY 2019-20.	Nil	
6e	Cumulative no .of plants	No approved document for the RY 2019-20.	NA	
6f	Any other method of rehabilitation	No approved document for the RY 2019-20.	NA	
6g	Cost incurred on watch and care during the year	No approved document for the RY 2019-20.	NA	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No approved document for the RY 2019-20.	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved document for the RY 2019-20.	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No approved document for the RY 2019-20.	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved document for the RY 2019-20.	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No approved document for the RY 2019-20.	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No approved document for the RY 2019-20.	NA
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No approved document for the RY 2019-20.	NA

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No approved document for the RY 2019-20.	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No approved document for the RY 2019-20.	NA	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2019-20. Violation pointed out for the same under rule 11(1) of MCDR-2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved document for the RY 2019-20.	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved document for the RY 2019-20.	NA	
7c	Different grade of mineral sorted out at mines.	No approved document for the RY 2019-20.	NA	

7d	Any beneficiation process at mines .	No approved document for the RY 2019-20.	NA	Without any proposal in approved document dated 16.09.2020, a mobile screen plant was found in the running condition in the western portion of the lease area from extension BP-22 to BP-24. Violation pointed out for the same under rule 11(1) of MCDR-2017.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No approved document for the RY 2019-20. Without any proposal in approved document dated 16.09.2020, a mobile screen plant was found in the running condition in the western portion of the lease area from extension BP-22 to BP-24. Violation pointed out for the same under rule 11(1) of MCDR-2017.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved document for the RY 2019-20.	NIL	
8b	Concurrent use or storage of topsoil	No approved document for the RY 2019-20.	NIL	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved document for the RY 2019-20.	Four dumps observed in the ML area. Without any proposal in approved document dated 16/09/2020, The Stock of mineral & overburden were observed within 7.5-meter statutory barrier zone in the western portion at about the grid location N2624580 to N2624680 & E439150 to 439200 of the lease area near BP-22 to BP-24.	Violation pointed out for the same under rule 11(1) of MCDR-2017.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved document for the RY 2019-20.	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved document for the RY 2019-20.	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No approved document for the RY 2019-20.	NA	Plantation not done in the year 2019-20. Plantation of previous years found in the 7.5m green belt area at many places.
8g	Survival rate	No approved document for the RY 2019-20.	Nil	Plantation not done in the year 2019-20.
8h	Water sprinkling on roads to control airborne dust	No approved document for the RY 2019-20.	Water sprinkling found on the roads during inspection.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation not done in the year 2019-20. Plantation of previous years found in the 7.5m green belt area at many places.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Annual return submitted for the RY 2019-20.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No	There were no whole time Mining Engineer and Geologist were appointed	Violation pointed out for the same under rule 55(1) of MCDR-2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	(i) Already exploited & abandoned by opencast (O/C) mining 0.429 (ii) Covered under current (O/C) Workings 2.574 (iii) Reclaimed/Rehabilitated 0.429 (iv) Used for waste disposal 0.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.200 (vi) Other Purpose (Green belt) 0.350 (vii) Work done under PMCP during the year 0000	
9d	Scrutiny of Annual return on afforestation	Yes	Plantation not done in the year 2019-20	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	For use other than alumina and aluminium metal extraction (Cement Grade): 225.700 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex Mine Price : For use other than alumina and aluminium metal extraction (Cement Grade): Rs 1044.50 /-
9h	Scrutiny of Annual return on fixed assets	Yes	1.04 Crores
9k	Scrutiny of Annual return on mining machineries	Yes	DUMPER 16.000 TONNE 2 Non Electrical DUMPER 10.000 TONNE 2 Non Electrical

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)	29-JAN-21		MCDR17	Rule 11 (1)	29-JAN-21	
MCDR17	Rule 26 (2)	29-JAN-21	24-MAR-21				
MCDR17	Rule 31 (4)	29-JAN-21	24-MAR-21				
MCDR17	Rule 33	29-JAN-21	24-MAR-21				
MCDR17	Rule 55 (1) (1)	29-JAN-21	24-MAR-21				

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines