

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

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-58/NGP

Mine code : 40MPR01053

- (i) Name of the Inspecting : **KQ14**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI MAHESH SAWALKAR OWNERS REPRESENTATIVE**
Official with
Designation
- (iv) Date of Inspection : 04-MAR-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BORIKHERA (5.98H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : BALAGHAT
Village : BORIKHERA
Taluka : KATANGI
Post office : LINGAPAUNAR
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 01-MAR-09
- (h) Weekly day of rest :
2. Address for :
correspondance
3. (a) Lease Number : MPR2546
(b) Lease area : 5.98
(c) Period of lease : 30
(d) Date of Expiry : 28-JAN-39
4. Mineral worked :

5. Name and Address of the
Lessee : M/S GANESH ACID CHEM. PVT. LTD.
BALAGHAT MADHYA PRADESH
Phone:
FAX :
6. Date of approval of Mining : Fresh under rule 22 MCR1960 10-DEC-08
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06 Core drilling Boreholes were proposed in year 2017-18.	Nil	Exploration was not done against the proposal of 06 nos. of exploratory bore holes for 2017-18. Violation pointed out for the same under rule 11(1) of MCDR-2017.
1b	Exploration over lease area for geological axis 1 or 2	06 Core drilling Boreholes were proposed in year 2017-18 for explore the lease area in G-1	Nil	Violation pointed out for the same under rule 11(1) of MCDR-2017.
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	Nil	Exploration not carried out in the lease area as per MEMC-2015.	
1e	Balance reserve as on 01/04/20		Balance Reserve as on 01.04.2020: 122 - 20908 Tonnes 221 - 13860 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Borikheda Mn Mine is mainly characterized by rock units of mansar and Sitasaongi formation. Soil is mostly lateritic in nature, yellowish brown to reddish brown in colour and covers almost entire lease area.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal for the RY 2019-20	Nil	Mine development is not done as envisaged in proposal for removal 755 M3 soil and 24596 M3 waste in the previous approved document period. Violation pointed out for the same under rule 11(1) of MCDR-2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for the RY 2019-20	Nil	
2c	Stripping ratio or ore to OB ratio	No proposal for the RY 2019-20	Nil	
2d	Quantity of topsoil generation in m3	No proposal for the RY 2019-20	Nil	
2e	Quantity of overburden generation in m3	No proposal for the RY 2019-20	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			It's a non working more than 04 years. Only 188 Tonnes Mn ore excavation is reported in the year 2016-17 as per available records. Mine development is not done as envisaged in proposal for removal 755 M3 soil and 24596 M3 waste in the previous approved document period.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	No proposal for the RY 2019-20	Nil	The mine is non working for more than 04 years as per available records. No approved document for the mine after 2017-18.
3b	Quantity of ROM mineral production proposed	No proposal for the RY 2019-20	Nil	
3c	Recovery of sailable/usable mineral from ROM production	No proposal for the RY 2019-20	Nil	
3d	Quantity of mineral reject generation	No proposal for the RY 2019-20	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal for the RY 2019-20	Nil	
3f	Quantity of sub grade mineral generation.	No proposal for the RY 2019-20	Nil	
3g	Grade of sub grade mineral generation	No proposal for the RY 2019-20	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal for the RY 2019-20	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal for the RY 2019-20	NA	
3j	Provision of drilling and blasting in mineral benches	No proposal for the RY 2019-20	NA	

3k	Provision of mining machineries in mineral benches	No proposal 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 proposal for the RY 2019-20	NA	
3m	Total area covered under excavation/pits	No proposal for the RY 2019-20	Approx 0.85 Hect area	During inspection about 0.77 Hect area is found excavated in the lease area.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal for the RY 2019-20	NA	
3o	Total area put in use under different heads at the end of year	No proposal for the RY 2019-20	1.37 Hect	During inspection it has been observed that about 1.37 Hect area was put on use for the different activities.
3p	Production of ROM mineral during the last five year period as applicable	2015-16: NIL 2016-17: 5616 2017-18: 5616 2018-19: NIL 2019-20: NIL	2015-16: NIL 2016-17: 188 2017-18: NIL 2018-19: NIL 2019-20: NIL	
3q	General remarks of inspecting officers on method of mining etc.			As per records 2018-19, 2019-20 and 2020-21 were lapse periods. There were no approved mining plan in this period.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	NA	
4c	Number of dumps within lease area and outside of lease area	No approved document for the RY 2019-20	One dump in 0.46 Hect area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved document for the RY 2019-20	NA	One old dump was observed in the South-East part of the ML.
4e	Number of active and alive dumps.	No approved document for the RY 2019-20	NA	One old dump was observed in the South-East part of the ML.
4f	Number of dead dumps.	No approved document for the RY 2019-20	NA	One old dump was observed in the South-East part of the ML.
4g	Number of dumps established.	No approved document for the RY 2019-20	NA	
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	NA	
4j	Number of settling ponds	No approved document for the RY 2019-20	NA	
4k	Specific comments of inspecting officer on waste dump management			No approved document for the RY 2019-20. One old dump was observed in the South-East part of the ML.

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	NA	
5b	Area under backfilling of mined out area	No approved document for the RY 2019-20	NA	Backfilling was also not done against the proposal of reclamation of 60 M2 area by backfilling in the previous approved document period. Violation pointed out for the same under rule 11(1) of MCDR 2017.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved document for the RY 2019-20	NA	
5d	Total area fully reclaimed and rehabilitated	No approved document for the RY 2019-20	NIL	No reclamation was done in the ML area.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No approved document for the RY 2019-20. Backfilling and reclamation was not done as proposed in the previous document. Violation pointed out for the same under rule 11(1) of MCDR-2017.

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).	No approved document for the RY 2019-20	Annual report of PMCP not submitted.	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	NA	
6c	afforestation done (ha).	No approved document for the RY 2019-20	NA	
6d	No. of saplings planted during the year	No approved document for the RY 2019-20	NA	Afforestation was not done against the proposal in .045 Hect area (50 plants) at green belt as per previous approved proposal. Violation pointed out for the same.
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 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.	The yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted . Violation pointed out for the same.
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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	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No approved document for the RY 2019-20

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	NA	

8b	Concurrent use or storage of topsoil	No approved document for the RY 2019-20	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved document for the RY 2019-20	NA
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
8g	Survival rate	No approved document for the RY 2019-20	NA
8h	Water sprinkling on roads to control airborne dust	No approved document for the RY 2019-20	Mine was not working during the inspection.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The mine was not working for more than 04 years. Naturally grown trees were found in the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The monthly returns and annual return to be submitted in time.	The monthly returns and annual returns have not been filed in the electronic form by lessee for the RY 2019-20.	Violation pointed out for the same under rule 45(5)(b) of MCDR-2017
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual Return not Submitted for RY 2019-20.	Whole time Mining Engineer and Geologist have not been appointed as required under the rule.	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.	Annual Return not Submitted for RY 2019-20.	Under pits - 0.85 Hect Storage for top soil - 0.05 Hect Waste Dump - 0.46 Hect	
9d	Scrutiny of Annual return on afforestation	Annual Return not Submitted for RY 2019-20.	Afforestation not done by lessee in the previous approved period. Naturally grown trees were found in the ML area during the inspection.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual Return not Submitted for RY 2019-20.	No approved document for the year 2019-20. No mineral reject found in the ML area.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual Return not Submitted for RY 2019-20.	No ROM stock observed in the ML area.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Annual Return not Submitted for RY 2019-20.	
9h	Scrutiny of Annual return on fixed assets		Annual Return not Submitted for RY 2019-20.	
9k	Scrutiny of Annual return on mining machineries	Annual Return not Submitted for RY 2019-20.	Mine was not working during inspection. No machineries found in the ML area during the inspection.	

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)	24-MAY-21			
MCDR17	Rule 26(2)	24-MAY-21			
MCDR17	Rule 33	24-MAY-21			
MCDR17	Rule 45(5) (k	24-MAY-21			
MCDR17	Rule 55(1) (1	24-MAY-21			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines