

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

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MP/CHW/MN-36/NGP

Mine code : 40MPR08003

- (i) Name of the Inspecting : **K014**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr. Sushil Kumar (Mine Manager), Mr. Rajesh Pathe (Mi
Official with
Designation
- (iv) Date of Inspection : 16-SEP-19
- (v) Prev.inspection date : 29-AUG-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GWARI BADONA (8.776H)**
- (b) **Registration NO.** : **IBM/11435/2012**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : CHHINDWARA
Village :
Taluka :
Post office :
Pin Code :
FAX No. : NA
E-mail : chhindwaramines@gmail.com
Phone : 9810491848
- (f) Police Station : Lodhikheda
- (g) First opening date : 08-APR-08
- (h) Weekly day of rest : SUN
2. Address for : Village- Gowari-Bodona, P.O.Khairitaigaon
correspondance Taluk- Sausar, Dist. Chhindwara,
Madhya Pradesh - 480108
3. (a) Lease Number : MPR2204
- (b) Lease area : 8.78
- (c) Period of lease : 20
- (d) Date of Expiry : 15-MAY-27
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S CHHINDWARA MINES PVT. LTD.
L-1/9 HAUZ KHAS ENCLAVE,
NEW DELHI PIN - 110016
CHHINDWARA MADHYA PRADESH
Phone:09810079291, 09303186884
FAX :

6. Date of approval of Mining
Plan/Scheme of Mining

: Fresh under rule 22 MCR1960

15-MAR-07

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved document for the RY 2018-19	No approved document for the RY 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	No approved document in the RY 2018-19	G2: 1.8 Ha G3: 0.98 Ha Unexplored - 5.996 ha.	
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	No approved document for the RY 2018-19	G2: 1.8 Ha G3: 0.98 Ha Unexplored - 5.996 ha.	
1e	Balance reserve as on 01/04/20		Balance Reserve as on 01/04/2019 122 - 11840 t 222- 17200 t 333 - 22680 t	
1f	General remarks of inspecting officers on geology, exploration etc			No approved document for the RY 2018-19

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved document for the RY 2018-19		

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved document for the RY 2018-19	in the southern side of the lease benches found merged up at some places between BP no. 03 to BP no. 05 resulting height of the benches found more than the proposed in previous approved document. And, it was also observed that at some places in the southern side between BP no. 03 to BP no. 05 width of the benches found very less than the height of the benches.	Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	No approved document for the RY 2018-19	NA	
2d	Quantity of topsoil generation in m3	No approved document for the RY 2018-19	No approved document for the RY 2018-19	
2e	Quantity of overburden generation in m3	NIL (No approved document for the RY 2018-19)	6852 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 is found in operation without having any approved document. Violation pointed out for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved document for RY 2018-19	One pit. mine is found in operation without having any approved document	Violation pointed out for the same.
3b	Quantity of ROM mineral production proposed	NIL (No approved document for RY 2018-19)	6265.77 T (Below 25% Mn, 25% to below 35% Mn, 35% to below 46% Mn).	Produciton done without approved document. Violation pointed out for the same.

3c	Recovery of sailable/usable mineral from ROM production	No approved document for RY 2018-19	NO records found.	
3d	Quantity of mineral reject generation	No approved document for RY 2018-19	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	No approved document for RY 2018-19	NA	
3f	Quantity of sub grade mineral generation.	No approved document for RY 2018-19	NIL	
3g	Grade of sub grade mineral generation	No approved document for RY 2018-19	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No approved document for RY 2018-19	Manual	
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	No approved document for RY 2018-19	Yes	
3k	Provision of mining machineries in mineral benches	No approved document for RY 2018-19	Yes	Violation pointed out for the same.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No approved document for RY 2018-19	in the southern side of the lease benches have been merged up some places between BP no. 03 to BP no. 05 resulting height of the benches found more than the proposed in approved document. And, it was also observed that at some places in the southern side between BP no. 03 to BP no. 05 width of t	Violation pointed out for the same.
3m	Total area covered under excavation/pits	No approved document for the RY 2018-19	4.62 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	No approved document	1 : 1.10	
3o	Total area put in use under different heads at the end of year	No approved document	8.044 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 = 6237 T 2015-16 = 9064 T 2016-17 = 8883 T 2017-18 = 7182 T 2018-19 = NIL	2014-15 = 1557.44 T 2015-16 = 2154.22 T 2016-17 = 3870.00 T 2017-18 = 3870.09 T 2018-19 = 6265.77 T	
3q	General remarks of inspecting officers on method of mining etc.			Mine is found in operation without having any approved document during 2018-19 . Violation pointed out for the same.

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 2018-19.	One OB dump observed in mine site. (c) The OB/waste dump found dumped in 7.5m barrier zone in the northern side and eastern part of the lease.	Violation pointed out for the same.
4b	Location of topsoil, OB and mineral reject dumps	No approved document for the RY 2018-19.	The OB/waste dump found dumped in 7.5m barrier zone in the northern side and eastern part of the lease.	Violation pointed out for the same.
4c	Number of dumps within lease area and outside of lease area	No approved document for the RY 2018-19.	Top-soil: Stacking not evident at mine site OB Dumps: Found dumped beyond ultimate pit limit i.e. beyond 7.5m. barrier zone all along the mining lease boundary.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved document for the RY 2018-19.	with in UPL	
4e	Number of active and alive dumps.	No approved document for the RY 2018-19.	4 (four) nos. of dumps - D1, D2, D3 & D4.	
4f	Number of dead dumps.	No approved document for the RY 2018-19.	NIL	
4g	Number of dumps established.	No approved document for the RY 2018-19.	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	No approved document for the RY 2018-19	NIL	
4i	Length of Retaining wall or garland drain all along dumps	No approved document for the RY 2018-19	NIL	
4j	Number of settling ponds	No approved document for the RY 2018-19	ONE	

4k	Specific comments of inspecting officer on waste dump management	The OB/waste dump found dumped in 7.5m barrier zone in the northern side and eastern part of the lease. Violation pointed out for the same.
----	--	---

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 2018-19	Extraction of mineral has been done.	
5b	Area under backfilling of mined out area	No approved document for the RY 2018-19	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved document for the RY 2018-19	NIL	
5d	Total area fully reclaimed and rehabilitated	No approved document for the RY 2018-19	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No approved document for the RY 2018-19 and no backfilling and reclamation has been done.

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).	No approved document for the RY 2018-19	NIL
6b	Area available for rehabilitation (ha) .	No approved document for the RY 2018-19	NIL
6c	afforestation done (ha).	No approved document for the RY 2018-19	NIL
6d	No. of saplings planted during the year	No approved document for the RY 2018-19	NIL
6e	Cumulative no .of plants	No approved document for the RY 2018-19	Not specified
6f	Any other method of rehabilitation	No approved document for the RY 2018-19	NIL
6g	Cost incurred on watch and care during the year	No approved document for the RY 2018-19	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No approved document for the RY 2018-19	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved document for the RY 2018-19	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No approved document for the RY 2018-19	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved document for the RY 2018-19	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No approved document for the RY 2018-19	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No approved document for the RY 2018-19	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No approved document for the RY 2018-19	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No approved document for the RY 2018-19	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No approved document for the RY 2018-19	YES	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No approved document for the RY 2018-19

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 2018-19	ROM mineral dispatch and grade wise sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved document for the RY 2018-19	Manual
7c	Different grade of mineral sorted out at mines.	No approved document for the RY 2018-19	NA
7d	Any beneficiation process at mines	No approved document for the RY 2018-19	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 approved document for the RY 2018-19	NIL	
8b	Concurrent use or storage of topsoil	No approved document for the RY 2018-19	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved document for the RY 2018-19	OB Dumps 4 nos. ; No Mineral rejects/fine	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved document for the RY 2018-19	Details could not furnished and/or substantiated.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Details could not furnished and/or substantiated by Lessee.	Details could not furnished and/or substantiated by Lessee.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Details could not furnished and/or substantiated by Lessee.	Not done
8g	Survival rate	Details could not furnished and/or substantiated by Lessee.	Not specified
8h	Water sprinkling on roads to control airborne dust	Details could not furnished and/or substantiated by Lessee.	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	Yes	AR submitted for the year 2018-19	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer/Mine Manager -01 Geologist - 01	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	8.77 Ha	
9d	Scrutiny of Annual return on afforestation	Yes	0.34 Ha	
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	Production data filled in Part VI (1) for Mn ore is 6265.77 tonnes & Grade-wise production of Mn ore in Part VI (2) is 3850 tonnes, which are not matching.	Violation pointed out for the same.
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	Yes	as per AR	

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)	18-OCT-19			
MCDR17	Rule 31(4)	18-OCT-19			
MCDR17	Rule 33	18-OCT-19			
	Rule 45(7)	18-OCT-19			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines