

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

Mining Plan Modification REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-40/NGP

Mine code : 40MPR01035

- (i) Name of the Inspecting : **SQ32**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 29-OCT-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HATHORA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village : HATHORA
Taluka : KATANGI
Post office : MIRAGPUR
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 14-DEC-98
- (h) Weekly day of rest : SAT
2. Address for :
correspondance
3. (a) Lease Number : MPR1864
- (b) Lease area : 5.73
- (c) Period of lease : 20
- (d) Date of Expiry : 19-OCT-18
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/s Pacific Minerals Pvt. Ltd.,
11, Sudder Street,
Calcutta, KOLKATA WEST
BENGAL
Phone:033-2450400
FAX :

Owner : M/s Pacific Minerals Pvt. Ltd.
Baihar Road, Balaghat
Distt. Balaghat (MP)
BALAGHAT MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15-JUN-05
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	15-APR-11

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NP	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NP	NA	
1e	Balance reserve as on 01/04/20	Reserves:111-8460T, 211-540T	AS PER LAST PLAN, grade of ore varies from Mn-27% to 45.9%	
1f	General remarks of inspecting officers on geology, exploration etc			There is no valid approved mining plan for 2019-20.ore vein is explored by 7 boreholes.the ore horizon is composed of alternating band of quartzite and manganese ore.ore occurring as discontinuous lenses having thickness of 2.5 mtr.the ore is hard and compact comprises of braunite.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	NP	NA	(not proposed= NP,NA=not applicable), abbreviation used.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NP	NA	
2c	Stripping ratio or ore to OB ratio	NP	NA	
2d	Quantity of topsoil generation in m3	NP	NA	
2e	Quantity of overburden generation in m3	NP	NA	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			3 water logged pits are seen in the area.(not proposed= NP,NA=not applicable), abbreviation used.no mining plan in review year and since 2013.mines is under suspension.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NP	NA	
3b	Quantity of ROM mineral production proposed	NP	NA	
3c	Recovery of sailable/usable mineral from ROM production	NP	NA	

3d	Quantity of mineral reject generation	NP	NA
3e	Grade of mineral rejects generation and threshold value declared.	NP	NA
3f	Quantity of sub grade mineral generation.	NP	NA
3g	Grade of sub grade mineral generation	NP	NA
3h	Manual / Mechanised method adopted for segregating from ROM	NP	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NP	NA
3j	Provision of drilling and blasting in mineral benches	NP	NA
3k	Provision of mining machineries in mineral benches	NP	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NP	NA
3m	Total area covered under excavation/pits	NP	na
3o	Total area put in use under different heads at the end of year	NP	NA

3p	Production of ROM mineral during the last five year period as applicable	NP	NA	
3q	General remarks of inspecting officers on method of mining etc.			There is no valid approved plan for 2019-20. Mines was not working. Also the last plan was valid upto 2012-13. On day of inspection mine was not in operation.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NP	NA	
4b	Location of topsoil, OB and mineral reject dumps	NP	NA	
4c	Number of dumps within lease area and outside of lease area	NP	02, with in lease.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NP	out side	
4e	Number of active and alive dumps.	NP	NA	
4f	Number of dead dumps.	NP	02	two old dumps are seen in mines lease area.
4g	Number of dumps established.	NP	02	02 old dumps.

4h	Whether Retaining wall or garland drain all along dumps are there.	NP	NA	
4i	Length of Retaining wall or garland drain all along dumps	NP	NA	
4j	Number of settling ponds	NP	NA	
4k	Specific comments of inspecting officer on waste dump management			There is no valid document in year 2019-20 and also after year 2012-13. Grass and vegetation land grown on old dumps. 02 old dumps are seen in mines area. mines is under suspension from 2013 for not having approved plan.

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.	NP	NA	
5b	Area under backfilling of mined out area	NP	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NP	NA	

5d	Total area fully reclaimed and rehabilitated	NP	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no valid approved mining plan for year 2019-20 and therefore no proposals.

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).		mines is suspended.	
6b	Area available for rehabilitation (ha) .	NP	NA	
6c	afforestation done (ha).	NP	NA	
6e	Cumulative no .of plants	NP	NA	
6f	Any other method of rehabilitation	NP	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NP	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NP	NA	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NP	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NP	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NP	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NP	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NP	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	NP	NA	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			There is no mining plan for year 2019-20.Hence no proposals.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	NP	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NP	NA	
7c	Different grade of mineral sorted out at mines.	NP	NA	
7d	Any beneficiation process at mines .	NP	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no mining plan for year 2019-20.Hence no proposals.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NP	NA	
8b	Concurrent use or storage of topsoil	NP	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NP	NA	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NP	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NP	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NP	NA	
8g	Survival rate	NP	NA	
8h	Water sprinkling on roads to control airborne dust	NP	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No reclaimed area.No plan proposals in year 2019-20.Only 3 water logged pit and two dumps are observed in mines area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		NA	No returns are submitted.mines is under suspension.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No returns are submitted.Mines is not running.It is under suspension from 17/10/2013.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	No returns submitted.
9d	Scrutiny of Annual return on afforestation	No returns submitted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No returns submitted.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No returns submitted.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No returns submitted.
9h	Scrutiny of Annual return on fixed assets	No returns submitted.
9k	Scrutiny of Annual return on mining machineries	No returns submitted.

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

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines