

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/NAG/Mn-317/NGP

Mine code : 40MSH14035

- (i) Name of the Inspecting : **M017**) **ASHISH MISHRA**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Arun Deoras, QP
Official with
Designation
- (iv) Date of Inspection : 08/12/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **WADEGAON**
- (b) **Registration NO.** : **IBM/5301/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : MAHARASHTRA
- District : NAGPUR
- Village : WADEGAON
- Taluka : RAMTEK
- Post office : KACHURWAHI
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 10/06/2011
- (h) **Weekly day of rest** :
2. **Address for** :
- correspondance**
3. (a) **Lease Number** : MSH0350
- (b) **Lease area** : 3.97
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 18/01/2027
4. **Mineral worked** : MANGANESE ORE Main

5. Name and Address of the
 Lessee : SHRI SHAKEEL AHMED AQUEEL HUSSAIN
 NAGPUR MAHARASHTRA
 Phone:
 FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 11/12/2006
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 15/07/2015
 MP modif under 17(3) MCR 2016 24/08/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 boreholes with a total meterage of 1295.26 m was preposed to be drilled in the year 2017-18.	Nil	Mining operations are not yet started for want of EC which is in process. In 2013-14, 7 boreholes were drilled in the area out of which one fell outside the lease area and 6 were within the lease area. one borehole proved barren and rest all intersected the ore zone. total meterage of drilling was 197.27 m (barren bore hole and borehole outside lease not counted).
1b	Exploration over lease area for geological axis 1 or 2	G-1 & G-3	G-1 and G-3	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself.	No exploration carried out for want of EC.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Lateral extent has been proved. As the proposals are for underground also in future, depth continuity needs to be established.
1e	Balance reserve as on 01/04/20		As on 01.04.2018: 121: 23635 T 221& 222: 1575 T 333: 68750 T	

1f	General remarks of inspecting officers on geology, exploration etc	Mining had been carried out in the past in the subject area and around. There is a single pit of size 95 x 55 x (5-6) mtr. Foot-wall and hangwall rocks are exposed in the pit. 6 further boreholes at 50 m X 50 m grid with total meterage of 829m are proposed in the area to prove depth continuity of the deposit.	As underground working is also proposed in future, the area need to be proved for depth continuity of the deposit. Further, as the lease area is small, feasibility for working at deeper level need to be analysed at the time of starting underground workings.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N2359200 to N2359400 and E334200 to E334400 and Underground developments through two Winzes.	Nil	Working not started in the mine for want of EC.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Nil	Working not started in the mine for want of EC.
2c	Stripping ratio or ore to OB ratio	1:2	Nil	Working not started in the mine for want of EC.
2d	Quantity of topsoil generation in m3	Approximately 1800 cuM	Nil	Working not started in the mine for want of EC.
2e	Quantity of overburden generation in m3	Approximately 19000 cum	Nil	Working not started in the mine for want of EC.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	One pit is developed in the NE side of the area at per the occurrence of orebody. As orebody is dipping towards SW, pit needs development in the hangwall side. Working has not yet been extended to cover full strike length of the orebody. Therefore, proposals have been given for future development of the pit accordingly in SW and South directions. In future, underground working has been proposed for exploiting maximum depth possible.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	Nil	Working not started in the mine for want of EC. One old pit in the NE side of the area is already existing in the lease area.
3b	Quantity of ROM mineral production proposed	2017-18: 2671 T	Nil	Working not started in the mine for want of EC.
3c	Recovery of sailable/usable mineral from ROM production	90% of the ROM is proposed as cleaned ore (2017-18: 2404 T)	Nil	Working not started in the mine for want of EC.
3d	Quantity of mineral reject generation	10% of the ROM is proposed as Mineral Rejects (268 T for 2017-18)	Nil	Working not started in the mine for want of EC.

3e	Grade of mineral rejects generation and threshold value declared.	+10% to -20% Mn containing ROM	Nil	Working not started in the mine for want of EC.
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting	Nil	Working not started in the mine for want of EC.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals	Nil	
3j	Provision of drilling and blasting in mineral benches	Yes, Driling through 115 mm dia DTH drills is proposed. Blasting shall be outsourced to a licensed agency.	Nil	Working not started in the mine for want of EC.
3k	Provision of mining machineries in mineral benches	Yes, 2.5 cum bucket capacity excavator and dumpers of 10 cum and 5 cum capacity alongwith 115 mm dia DTH drills.	Nil	Working not started in the mine for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 m height of benches is proposed that is suitable as per the mechanization (Category A)	Nil	Working not started in the mine for want of EC.
3m	Total area covered under excavation/pits	As on 24/08/2017: 0.5155 ha	As on 01.04.2018: 0.5155 ha	Working not started in the mine for want of EC.
3n	Ore to OB ratio for the pit/mine during the year.	1:2	Nil	

3o	Total area put in use under different heads at the end of year		As on 01.04.2018, Area under: Excavation- 0.5155 ha Storage for top soil- 0.0086 ha OB/Waste dumps- 0.211 ha Total- 0.7351 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 6300 T 2015-16: 6300 T 2014-15: No Proposals 2013-14: No Proposals 2012-13: No Proposals	2016-17: Nil 2015-16: Nil 2014-15: Nil 2013-14: Nil 2012-13: Nil	
3q	General remarks of inspecting officers on method of mining etc.		Proposed method of working is mechanised under Category-A	No comments on method of mining as presently mine is not working since long.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Nil	Working not started in the mine for want of EC.
4b	Location of topsoil, OB and mineral reject dumps	5 Old dumps are present in the lease area within grid location N2359200 to N2359300 and E334200 to 334400. 4 dumps are for waste and one is top soil storage	As per the information mentioned in the proposals	
4c	Number of dumps within lease area and outside of lease area	All dumps within lease area	All dumps are within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are located within pit limits	Nil	Dumps are proposed for re-handling as and when working is resumed in the lease area.

4e	Number of active and alive dumps.	All dumps are active	Nil	
4f	Number of dead dumps.	No dead dumps are available.	Nil	
4g	Number of dumps established.	No such proposals	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposals. Firstly dumps shall be shifted towards SE boundary and then Garland drains and Retaining walls shall be made.	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	All dumps are within pit limits and are proposed to be shifted at SE boundary that will support systematic development of the deposit.
4k	Specific comments of inspecting officer on waste dump management			All dumps are within pit limits and are proposed to be shifted at SE boundary that will support systematic development of the deposit.

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.	Partial backfilling is proposed at conceptual stage as the mine shall be worked through underground method in future.	Nil	

5b	Area under backfilling of mined out area	No such proposals	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil generated is proposed for storage and utilization as per requirement during plantation	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Only partial backfilling is proposed at the conceptual stage after exhaustion of mineral in the NE side of the pit. Afterwards, in the SW side, underground openings shall be made and mine shall be worked with underground method of mining.

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	No	Mine is not working since long and is recommended for determination.
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	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No such proposals	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposals	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No such proposals	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such proposals	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No such proposals	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No such proposals	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposals	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No such proposals	Nil	Lessee is in the process of getting EC for which TOR has been granted and public hearing has been successfully conducted. Environment monitoring shall be proposed infuture as per thegranted EC.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No remarks as the mine is not under operation and no PMCP work has been done so far.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting and then dispatch	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting of ROM	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Mine is not working since long. There is some graded stock lying at the site which was verified through annual returns and found reported as below 25% Mn (56.74 T).
7d	Any beneficiation process at mines .	No such proposals	Nil	Only separate stacking of mineral rejects is proposed.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No remarks as the mine is not under operation.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Nil	
8b	Concurrent use or storage of topsoil	Storage and utilization on requirement basis	Nil	One old small Top soil stack is available in the lease having 0.0086 ha area
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposals till conceptual stage	Nil	Pit in the NE side is proposed to be backfilled at conceptual stage. As such no proposal during the year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Dumps are proposed for stabilization through plantation after reaching maturity. As all dumps are active, no phased restoration proposals. Partial backfilling of pit is proposed at conceptual stage.	Nil	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Furnished in the Mining Plan	
8g	Survival rate		No plantation carried out or surviving.	Mine is not under operations since long.
8h	Water sprinkling on roads to control airborne dust	Yes	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the lease area is satisfactory as there were no mining operations in as well as adjacent leases since long.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Annual returns submitted online for 2017-18 MR submitted online upto Dec'18	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Arun Deoras Geologist: Shri V. N. Sant Manager: Nil	Shri Arun Deoras was present durning site inspection as QP and Mining Engineer.	Mine is not under any operatations since long and as informed by Nominated Owner Shri C. M. Singh, requisite qualified persons shall be deployed at the time of re-opening of the mine. Geologist employed or reported couldnot be verified as he was not present durning the inspection.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under opencast workings: 0.05 ha Area covered under Waste disposal: 0.05 ha	Incorrect information has been furnished as per the land use pattern furnished in the mining plan.	The lease is already recommended for determination.
9d	Scrutiny of Annual return on afforestation	Nil	Correct information furnished as there is no plantation.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Correct	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening / Closing Stocks and Production- Nil Graded Ore: Below 25% Mn- 56.74 T Opening and Closing Stock, Production and Dispatch- Nil	Complete information provided which is satisfactory as per the site inspection.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: Nil as no sale/dispatch has occurred, Ex. Mine Price- Nil, Production Cost- Nil	It was suggested to furnish Ex-mine price as per Rule 45(8)(IV) and 45(11) of MCDR'2017.	
9h	Scrutiny of Annual return on fixed assets	Nil	No fixed assets, hence Nil.	
9k	Scrutiny of Annual return on mining machineries	Nil	As mine is not under any operations, correct information furnished.	

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 :
(ASHISH MISHRA)

Indian Bureau of Mines