

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT 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  
Official with  
Designation
- (iv) Date of Inspection : 09/05/2017
- (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

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	In the last SOM approved for the 5 years period ending on 2016-17, 4 bore holes were proposed to be drilled with total meterage of 200 m. There were 7 boreholes 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). The exploration was done in 2013-14.
1b	Exploration over lease area for geological axis 1 or 2	G 1	G 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration done during the year	Nil	
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 01/04/2017: 111-121824 T 211-32754 T Total-154578 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 hang-wall 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 334400	Nil	Working not started in the mine.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Nil	Working not started in the mine.
2c	Stripping ratio or ore to OB ratio	1:2	Nil	Working not started in the mine.
2d	Quantity of topsoil generation in m3	Approximately 1800 cuM for 2016-17	Nil	Working not started in the mine.
2e	Quantity of overburden generation in m3	Around 3000 cuM in 2016-17	Nil	Working not started in the mine.

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.
3b	Quantity of ROM mineral production proposed	2016-17: 6300 T	Nil	Working not started in the mine.
3c	Recovery of sailable/usable mineral from ROM production	80%	Nil	Working not started in the mine.
3d	Quantity of mineral reject generation	2016-17: 1260 T	Nil	Working not started in the mine.
3e	Grade of mineral rejects generation and threshold value declared.	10-17% Mn	Nil	Working not started in the mine.
3f	Quantity of sub grade mineral generation.	Nil	Nil	

3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting	Nil	Working not started in the mine.
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	Nil	Working not started in the mine.
3k	Provision of mining machineries in mineral benches	Yes	Nil	Working not started in the mine.
3m	Total area covered under excavation/pits		0.5155 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:2	Nil	Working not started in the mine.
3o	Total area put in use under different heads at the end of year		Area under: Pits-0.5155 ha Top soil Storage: 0.0086 ha Waste Dump: 0.211 ha Total: 0.7351 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 6300 T 2014-15: No proposals 2013-14: No proposals 2012-13: No proposals 2011-12: No proposals	2015-16: Nil 2014-15: Nil 2013-14: Nil 2012-13: Nil 2011-12: Nil	For non-working for more than two years, mine is already recommended for determination to the State Govt. in 2014.
3q	General remarks of inspecting officers on method of mining etc.		Proposed method of working is category B Manual.	No comments on method of mining as presently mine is not working since long.

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Nil	Working not started in the mine since long. Old dumps are present in the area.
4b	Location of topsoil, OB and mineral reject dumps	In the SE side of the lease area	Nil	Working not started in the mine.
4c	Number of dumps within lease area and outside of lease area	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.	Nil	Mine is not working since long.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are located within pit limits and are proposed to be shifted outside limits	Nil	Mine is not working since long.
4e	Number of active and alive dumps.	All dumps are active	All dumps are active	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	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	Mine is not working since long.
4i	Length of Retaining wall or garland drain all along dumps	No such proposals	Nil	
4j	Number of settling ponds	Nil	Nil	

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.
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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	Mine is not working since long.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	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.



Sl.No.	Item	Proposals	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	Mine is not working since long.
6e	Cumulative no .of plants	Nil	Nil	Mine is not working since long and natural plantation is there in the area.
6f	Any other method of rehabilitation	No such proposals	Nil	
6g	Cost incurred on watch and care during the year	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 in future as per the granted EC.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx 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 in future as per the granted 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.
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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	Nil	
7c	Different grade of mineral sorted out at mines.	Below 25% Mn	Nil	There is some graded stock lying at the site which was verified through annual returns and found reported as below 25% Mn.
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	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	Pit in the NE side is proposed to be backfilled at conceptual stage. As such no proposal during the year.	Nil	
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	Yes, given in the mining plan.	
8g	Survival rate			No plantation done.
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.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and Annual Returns are upto date but are being filed through offline mode. It was advised to submit the returns through online mode.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No details given for Mining Engineer, Geologist or Manager.	Mine is not working since long.	It was informed that appointment shall be made prior to start of working in the lease area. Mine is already recommended for determination.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Correct information furnished regarding total landuse.	
9d	Scrutiny of Annual return on afforestation	Nil	No plantation carried out.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Mine was not working, hence Nil.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening, Closing stocks and Production- Nil Graded Ore: Opening and Closing stocks- 56.74 T, production and Dispatch- Nil	Correct
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil information furnished as mine is not under operation.
9h	Scrutiny of Annual return on fixed assets	Nil information	Nil information furnished as mine is not working.
9k	Scrutiny of Annual return on mining machineries	Nil	Nil information furnished as mine is not working.

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**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