

INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/NAG/MN--79/NGP

Mine code : 40MSH14006

- (i) Name of the Inspecting : UI1 ) DAYANAND UPADHYAY  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri A.R.Guladhe, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 27/01/2016
- (v) Prev.inspection date : 09/02/2015

PART-I : GENERAL INFORMATION

1. (a) Mine Name : GUMGAON
- (b) Registration NO. :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Underground
- (e) Postal address  
State : MAHARASHTRA  
District : NAGPUR  
Village : GUMGAON  
Taluka : SAONER  
Post office : KHAPA  
Pin Code : 441101  
FAX No. :  
E-mail :  
Phone : 07113--86123
- (f) Police Station :
- (g) First opening date : 01/07/1962
- (h) Weekly day of rest : SUN
2. Address for :  
correspondance
3. (a) Lease Number : MSH0079
- (b) Lease area : 95.29
- (c) Period of lease : 20
- (d) Date of Expiry : 01/03/1999
4. Mineral worked : MANGANESE ORE Main

## Name and Address of the

Lessee : M/S MANGANESE ORE (INDIA) LTD.  
 3, MOUNT ROAD EXTENSION  
 POST BOX NO. 34, NAGPUR  
 (MP) NAGPUR MAHARASHTRA  
 Phone:  
 FAX :

Owner : C.P.N.PATHAK  
 3, MOUNT ROAD EXTN. POST  
 BOX NO. 34 NAGPUR NAGPUR  
 MAHARASHTRA  
 Phone: 0712 - 2545703  
 FAX : 0712 - 2524996

Agent : Shri S.S.Chakravorty  
 PO- Kandri Distt.  
 Nagpur (MS) NAGPUR  
 MAHARASHTRA  
 Phone: 07114-- 68148  
 FAX :

## Mining Engineer

Name : Shri Kishore Chandrakar, Full Time  
 Qualification : B.E.Mining  
 Appointment/ :  
 Termination date

## Geologist

Name : Shri I.A.Siddiqui, Full Time  
 Qualification : M.Sc. (Geology)  
 Appointment/ :  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	01/04/2003
		Renewal under rule 22 MCR1960	15/10/2004
		Modif.of approved Mining Plan	03/06/2005
		Mining Scheme rule 12 MCDR1988	09/05/2006
		Mining Scheme rule 12 MCDR1988	22/07/2008
		Mining Scheme rule 12 MCDR1988	09/07/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	42 boreholes during mining scheme period. 2012-17	24 boreholes are drilled till date.	
1b	Exploration over lease area for geological axis 1 or 2	To obtain G 1 Stage.	Core boreholes in 30 x 50 m grid pattern for G1 stage.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed.	Moil ltd, M/s CDA, Total expenditure Rs.5886069/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	To achieve G 1 stage .	Exploration is being done in G 1 stage.	
1e	Balance reserve as on 01/04/20		As on 01/04/2015 is 4247377 tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			To explore the area further exploration is going on.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Stoping at 200ft RL.	Stoping operation is being carried out at 200ft RL in two blocks ie 34ch-37ch and 37ch to 40ch.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not applicable . It is an unerground mine.		
2c	Stripping ratio or ore to OB ratio	Not applicable . It is an unerground mine.		

2d	Quantity of topsoil generation in m3	Not applicable . It is an unerground mine.	It is an unerground mine.
2e	Quantity of overburden generation in m3	Not applicable .	It is an unerground mine.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development work is being carried out at 200ft RL, -300ft RL & 400ft RL.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production		It is an underground mine.	
3b	Quantity of ROM mineral production proposed	2014-15 : 114000T	2014-15 : 61385T	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	2014-15: 23000 tonnes	2014-15: 9756 tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	< 10% Mn	< 10% Mn	
3f	Quantity of sub grade mineral generation.	Nil	Nil ( 2104-15)	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not applicable.
3p	Production of ROM mineral during the last five year period as applicable	2012-13 : 75000 2013-14 : 97000 2014-15 : 114000	2012-13 : 49062 2013-14 : 57835 2014-15 : 61385
3q	General remarks of inspecting officers on method of mining etc.	It is an underground mine where cut and fill mining method with hydraulic sand stowing is followed.	

#### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4c	Number of dumps within lease area and outside of lease area	White dump : 02 Black dump : 06	There are White dump : 02, Black dump : 06	
4e	Number of active and alive dumps.	02 Dump.	02 Dump.	
4f	Number of dead dumps.		06 dump.	
4g	Number of dumps established.		06 established.	
4k	Specific comments of inspecting officer on waste dump management			This is an underground mine and old dump from past working are also taken into consideration for production of mineral.

#### 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.	Hudraulic sand stowing.	The mined out area in the underground is back filled by doing sand stowing.	
5b	Area under backfilling of mined out area	Simultaneous bacfilling.	every stope during stoping operation simultaneously backfilled with hydraulic stowing.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Hydarulic sand stowing is practiced for backfilling the stope.

#### 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).		Annual report on PMCP is submitted regularly.	
6b	Area available for rehabilitation (ha) .	2.63 ha	2.63ha	
6c	afforestation done (ha).	Total area 44.48ha.	In 44.48 ha area afforestation has been carried out	
6e	Cumulative no .of plants		Total 120930 no. of samplings have been planted.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Hydraulic sand stowing.	Hydraulic sand stowing.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Hydraulic sand stowing.	Hydraulic sand stowing.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	Quarterly monitoring of air, water, noise and ground vibration is done to check the pollution parameters.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		It is an underground mine where cut and fill mining method with hydraulic sand stowing is followed.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting.	ROM is sorted garde wise and dispatched within the lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	
7d	Any beneficiation process at mines	Not proposed.	Not proposed.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Different size and grade of mineral sorted manually.	

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		It is an underground mine where cut and fill mining method with hydraulic sand stowing is followed.	

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and annual returns have been submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information furnished.	Information furnished.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information furnished.	Information furnished.	
9d	Scrutiny of Annual return on afforestation	Information furnished.	Information furnished.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information furnished.	Information furnished.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information furnished.	Information furnished.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information furnished in AR.	Information furnished.	
9h	Scrutiny of Annual return on fixed assets	Information furnished in AR.	Information furnished in AR.	



9k Scrutiny of Information Information furnished in  
Annual return on furnished in AR.  
mining AR.  
machineries

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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 : 26.05.2016

*Dayanand Upadhyay*  
(DAYANAND UPADHYAY)

Indian Bureau of Mines

Note :- No violation has been observed during inspection.

*Dayanand Upadhyay*  
26.05.2016  
दयानंद उपाध्याय  
सहायक खान नियंत्रक