

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/NAG/MN--2/NGP

Mine code : 40MSH14002

- (i) Name of the Inspecting Officer and ID No. : UI1) DAYANAND UPADHYAY
(ii) Designation : Assistant Controller Mine
(iii) Accompanying mine Official with Designation : Shri Manoj kumar singh, DGM (Mines)
(iv) Date of Inspection : 28/01/2016
(v) Prev.inspection date : 17/04/2009

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BELDONGRI
(b) Registration NO. :
(c) Category : A Other than Fully Mech.
(d) Type of Working : Underground
(e) Postal address :
State : MAHARASHTRA
District : NAGPUR
Village : BELDONGRI
Taluka : PARSEONI
Post office : SATUK
Pin Code : 441106
FAX No. : N.A.
E-mail : N.A.
Phone : 07102 - 246160
(f) Police Station : RAMTEK
(g) First opening date : 01/07/1962
(h) Weekly day of rest : SAT
2. Address for correspondance : 3, MOUNT ROAD EXTENSION
NAGPUR
3. (a) Lease Number : MSH0076
(b) Lease area : 26.66
(c) Period of lease : 20
(d) Date of Expiry : 30/06/2022
4. Mineral worked : MANGANESE ORE Main

5. 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 : SH.G.P.KUNDARGI
M/S MANGANESE ORE INDIA
LTD. MOIL BHAVAN, 1A, KATOL
ROAD, NAGPUR-440013 NAGPUR
MAHARASHTRA
Phone: 0712-2532252
FAX : 0712-252499

Agent : SH.V.N.CHANDRAKAR
M/S MANGANESE ORE INDIA
LTD. MOIL BHAVAN, 1A, KATOL
ROAD NAGPUR. NAGPUR
MAHARASHTRA
Phone: -
FAX : -

Mining Engineer

Name : SUDHIR PATHAK, Full Time
Qualification : AMIE
Appointment/ : 23/06/2008
Termination date

Geologist

Name : M BHANSE, Full Time
Qualification : M.SC.
Appointment/ : 06/09/2005
Termination date

Manager

Name : R.P.CHOUHDARY
Qualification : DIPLOMA IN MINING
Appointment/ : 17/04/2008
Termination date

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

:	Renewal under rule 22 MCR1960	29/04/2003
	Mining Scheme rule 12 MCDR1988	24/09/2003
	Mining Scheme rule 12 MCDR1988	23/07/2008
	Mining Scheme rule 12 MCDR1988	24/07/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 underground boreholes drilling.	Drilling is under process.	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed.	Not applicable.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed.	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed.	Not applicable.	
1e	Balance reserve as on 01/04/20		Balance reserves as on 01.04.2015 is 2,84,294T.	
1f	General remarks of inspecting officers on geology, exploration etc			02 underground bore hole is proposed to to explore deposit below 133 mrl.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Stoping between 193mRL to 148mRL.	Stoping operation is being carried out at 193mRL to 148mRL ie 50ch-150ch.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not applicable.	It is an underground mine.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			It is an underground mine. Stoping operation is being carried out at 193mRL to 148mRL ie 50ch-150ch.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Stoping between 193mRL to 148mRL.	Stoping operation is being carried out at 193mRL to 148mRL ie 50ch-150ch.	
3b	Quantity of ROM mineral production proposed		2014-15 : 30939T	
3d	Quantity of mineral reject generation	2014-15: 6159T	2014-15: 3702T	
3e	Grade of mineral rejects generation and threshold value declared.	< 10% Mn	< 10% Mn	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3p	Production of ROM mineral during the last five year period as applicable	2012-13 : 27820 2013-14 : 37363 2014-15 : 27996 2015-16 : 23238	2012-13 : 27820T 2013-14 : 31719T 2014-15 : 30939T 2015-16 : 27283T	
3q	General remarks of inspecting officers on method of mining etc.			It is an underground mine. Overhand flat back cut & fill method of stoping is being practiced.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump for mineral reject.	Mineral reject will be dumped in earmarked dumps.	

4b Location of Mineral reject Eastern side of
topsoil, OB and dump proposed leasehold area.
mineral reject on Eastern
dumps side of
leasehold
area.

4c Number of dumps 02 dump. 02 Dump.
within lease
area and outside
of lease area

4k Specific
comments of
inspecting
officer on waste
dump management

Mineral reject is
dumped on eastern
side of the lease
as proposed in
SOM.

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.	Hyadraulic sand stowing.	The mined out area in the underground is back filled by adopting method of Hydraulic sand stowing.	
5b	Area under backfilling of mined out area		Every stope block mined out will be back filled with sand.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Hyadraulic sand stowing.	The mined out area in the underground is back filled by Hydraulic sand stowing.	
5d	Total area fully reclaimed and rehabilitated		The mined out area in the underground is back filled by doing sand stowing.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Hydraulic sand stowing is practiced to backfill 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) .	Not proposed in 2014-15.	Not applicable	
6c	afforestation done (ha).	Total 6.66 ha	Afforestation done in 6.66 ha area.	
6d	No. of saplings planted during the year		100 samples are planted during the year.	
6e	Cumulative no .of plants		Cumulative 17500 plants.	
6g	Cost incurred on watch and care during the year		Rs. 23,538	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Hydraulic sand stowing in stopes.	Hydraulic sand stowing in stopes.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Hydraulic sand stowing in stopes.	Hydraulic sand stowing in stopes.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Hydraulic sand stowing in stopes.	Hydraulic sand stowing in stopes.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Hydraulic sand stowing in stopes.	Hydraulic sand stowing in stopes.	

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.	
7c	Different grade of mineral sorted out at mines.	GRADE & MN %- >25%, 25-35%, 35-46%	GRADE & MN %- >25%, 25-35%, 35-46%	
7d	Any beneficiation process at mines	Not proposed.	Not applicable.	
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
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8a	Separate removal and utilization of topsoil (Rule 32)		No top soil generated due to U/G mining.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Waste rock generated from underground will be backfilled underground stope blocks.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Waste rock generated from underground will be backfilled underground stope blocks.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		Waste rock generated from underground will be backfilled underground stope blocks.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Proper care & maintainance of plantation is being done by lessee.
8g	Survival rate		70%
8h	Water sprinkling on roads to control airborne dust	Water spraying.	Water spraying on road is being done by lessee.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		During inspection no adverse effect has been observed on aesthetic beauty in and around mines area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and annual returns have been submitted regularly.	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.	Information furnished.
9h	Scrutiny of Annual return on fixed assets	Information furnished.	Information furnished.
9k	Scrutiny of Annual return on mining machineries	Information furnished.	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 : 27.05.2016

Dayanand Upadhyay
(DAYANAND UPADHYAY)

Indian Bureau of Mines

Note :- No violation has been observed during inspection.

Dayanand Upadhyay
27.05.16
दयानंद उपाध्याय
सहायक ज्ञान नियंत्रक