

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

MCDR inspection REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-214/NGP

Mine code : 40MPR01018

- (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 : 05-MAR-20
- (v) Prev.inspection date : 07-SEP-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **UKWA**
- (b) **Registration NO.** : **IBM/5711/2011**
- (c) Category : A Manual
- (d) Type of Working : Underground
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village : UKWA
Taluka : BAIHAR
Post office : UKWA
Pin Code :
FAX No. : N.A.
E-mail : N.A.
Phone : N.A.
- (f) Police Station : BAIHAR
- (g) First opening date : 02-MAR-07
- (h) Weekly day of rest : FRI
2. Address for : UKWA MANGANESE MINES
correspondance : M/S MOIL, BAIHAR ROAD,
UKWA, BALAGHAT.
3. (a) Lease Number : MPR0580
- (b) Lease area : 199.07
- (c) Period of lease : 20
- (d) Date of Expiry : 30-JUN-22
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 : C.P.N.PATHAK
 3, MOUNT ROAD EXTN. POST
 BOX NO. 34 NAGPUR NAGPUR
 MAHARASHTRA
 Phone: 0712 - 2545703
 FAX : 0712 - 2524996

Agent : Shri. D.L.Choudhary
 PO- Sitasaongi Distt.
 Bhandara (MS) BHANDARA
 MAHARASHTRA
 Phone: 38231
 FAX :

Mining Engineer

Name : Shri A.V.Masade, Full Time
 Qualification : B.E.MINING
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	24-OCT-02
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	08-OCT-07
		Mining Scheme rule 12 MCDR1988	30-AUG-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	NP	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1e	Balance reserve as on 01/04/20	111- 1993387,211- 2099289 TONS	AS ON 1.04.2019	
1f	General remarks of inspecting officers on geology, exploration etc			All the lease hold area has been explored to G-1.ore body is 5000mtr in strike,thickness varies from .27m to 6.1 mtr with av around 3.0 mtr.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	UNDER GROUND PIT AS PER PLAN	UNDERGROUND PIT.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m3	NA	NA	

2e	Quantity of overburden generation in m3	NA	NA	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine Plan.UG working is being done.development IS DONE FOR INCLINE,LEVELS,RAISES TO PREAPARE STOPES.MINES IS WORKED BY INCLINES.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NA	NA	UNDERGROUND WORKING IS DONE.
3b	Quantity of ROM mineral production proposed	60,000	54304	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	24000	NIL	
3g	Grade of sub grade mineral generation	10--20%	10-20%	
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	MANUAL	
3j	Provision of drilling and blasting in mineral benches	IN U/G	IN U/G YES.	

3k	Provision of mining machineries in mineral benches	NA	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	U/G MINE
3m	Total area covered under excavation/pits	,27.3 HECT	26 HECT	
3n	Ore to OB ratio for the pit/mine during the year.	NO OPENCAST WORKING	NO OPENCAST WORKING	
3o	Total area put in use under different heads at the end of year	50.09	48.0	
3p	Production of ROM mineral during the last five year period as applicable	18-19-60000	18-19-58303	
3q	General remarks of inspecting officers on method of mining etc.			THE MINE IS WORKED BY INCLINE WHICH ARE AT CHAINAGE 5000.9500,10800,11600,AND ADIT AT CHAINAGE12000.VERTICAL LEVELS OF 30 MTR ARE MADE.THESE LEVELS ARE CONNECTED FROM INCLINES FROM SURFACE.INCLINES ARE USED FOR HAULING MATERIAL AND FOR VENTILATION.30 MTR LEVEL IS FURTHER DIVIDED INTO SUBLEVEL FOR CUT AND FILL MINING.SAND WILL FILLED IN MINED STOPE.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	ONLY WASTE FROM U/G STACKED.
4b	Location of topsoil, OB and mineral reject dumps	N1088 E1380	N1088 E1380	
4c	Number of dumps within lease area and outside of lease area	03	03,	OUTSIDE NONE.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	UG MINE
4e	Number of active and alive dumps.	03	03	SUBGRADE STORE
4f	Number of dead dumps.	03	03	
4g	Number of dumps established.	04	04	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			OLD DUMPS ARE IN THE AREA.PLANTATATION CAN BE SEEN ON LOT OF DUMP AREA.PRESENTLY ONLY U/G MINING IS BEING DONE.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NA	NA	UG MINE
5b	Area under backfilling of mined out area	NA	NA	UGMINE
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	PRESENTLY ONLY UG MINING.
5d	Total area fully reclaimed and rehabilitated	NONE.	NONE	NONE IN YEAR.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			SOME OLD DUMPS HAVE BEEN CONSIDERED FULLY RECLAIMED REHABILITATED.PRESENTLY UG MINING.WASTE GENERATED IS STACKED ON SURFACE.

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).		NO	
6g	Cost incurred on watch and care during the year			NO PROPOSALS UNDER MINED OUT BENCHES CATEGORY.6A TO 6G.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA		U/G MINE
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA		U/G MINE
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.			NO PROPOSAL ON BACKFILLING OF AREA UNDER PMCP
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	TO PLANT 5000 PLANTS IN WASTE LAND/DUMPS AVAILABLE IN MINES AREA.	5000 PLANTS.	PLANTATION DONE IN AND AROUND LEASE.
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	BEING DONE.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PLANTATION CAN BE SEEN ON DUMPS.LOT OF PLANTATION IS SEEN IN AROUND MINES AREA.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	GRADE WISE SORTING	GRADE WISE SORTING	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	IN VARYING PERCENTAGE OF mn IN ORE.	IN VARYING PERCENTAGE OF mn IN ORE.	5 GRADES
7d	Any beneficiation process at mines .	NO	NO	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			THE ORE IS SEGREGATED IN VARIOUS GRADES FOR MARKETIBILITY. SUBGRADE ORE KEPT FOR FUTURE USE. SCREENING, SORTING, USED FOR SEGREGATION.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	UG MINE
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	ONLY OB, WASTE FROM UG AND SUBGRADE.	YES MADE.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	5000 /YR	5000/YR	
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	YES	DONE	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			UG MINE.LOT OF GREEN AREA IN MINE.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			YES DONE
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Shri Sudhir Pathak 8. Mining Engineer in charge Shri Mayank Jain 9. Geologist in charge Vinay Rahangdale		GEOLOGIST NAME APPEARING IN OTHER MINE.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(iii) Reclaimed/Reha bilitated - 2.000 (iv) Used for waste disposal - 0.770	COMPLETE INFORMATION NOT GIVEN.VIOLATION GIVEN
9d	Scrutiny of Annual return on afforestation	5000TREES,80 % SURVIVAL	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL, GRADE-- LESS THAN 10%MN	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	(a) Below 25% Mn - 12.710T (b) 25% to below 35% Mn - 7842.050 -T (c) 35% to below 46% Mn - 1.840 T (d) 46% Mn and above-4.08T	ROM ORE AND GRADED ORE NOT MATCHING.VIOLATION GIVEN
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	a) Below 25% Mn - 2219.00RS/T (b) 25% to below 35% Mn - -7500.41 RS/T (c) 35% to below 46% Mn - 12433.19RS/T,C OP-6343.77.	GIVEN
9h	Scrutiny of Annual return on fixed assets	FA=42,59,72,57 3	

9k	Scrutiny of	1.AIR	LIST IS GIVEN
	Annual return on	COMPRESSOR	
	mining	1000.000	
	machineries	CUM/MN -2.	
		2.PUMPS	
		(ELEC.)	
		2200.000 L/MN	
		-10 3.BLAST	
		HOST DRILL	
		32.000 MM -30	
		4.VENTILATION	
		FAN 300.000	
		CUM/H- 2	
		4.GENERATOR	
		(DIESEL)	
		1000.000 KWH 1	

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
MCDR17	Rule 26(2)	14-MAY-20			
MCDR17	Rule 46(a)	14-MAY-20			
MCDR17	Rule 45(1)	14-MAY-20			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines