INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MPR/BGT/MN-47/NGP Mine code : 40MPR01044

(i) Name of the Inspecting : SQ32) SANDEEP KUMAR SINGH

Officer and ID No.

(ii) Designation : Deputy Controller Mines

(iii) Accompaning mine :

Official with Designation

(iv) Date of Inspection : 18-JAN-20

(v) Prev.inspection date :

PART-I : GENERAL INFORMATION

. (a) Mine Name : LUGMA-UKWA (73.567H)

(b) Registration NO. : IBM/5711/2011

(c) Category : B Manual
(d) Type of Working : Opencast

(e) Postal address

State : MADHYA PRADESH

District : BALAGHAT

Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :

(f) Police Station

(g) First opening date : 02-MAR-07

(h) Weekly day of rest

2. Address for : 3, MOUNT ROAD EXTENSION,

correspondance NAGPUR

3. (a) Lease Number : MPR1802 (b) Lease area : 73.57 (c) Period of lease : 20

(d) Date of Expiry : 13-SEP-25

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

6. Date of approval of Mining : Renewal under rule 24 MCR1960 08-MAY-06 Plan/Scheme of Mining Modif.of approved Mining Plan 08-MAY-09

MP modif under MCR 1960 13-OCT-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	16 upto 17-18	8 done uto 17-18	8 boreholes
1b	Exploration over lease area for geological axis 1 or 2	990mtr, 4 borehole	812mtr, 02	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Rs: 2500000/-	Rs:3085600 /-	
1e	Balance reserve as on 01/04/20	as on 01.04.2019	Balanace reserve as on 01/04/19 111: 0.537 121: 0 Balanace resource as on 01/04/19 211 0.000 221 0.167 222 0 IN MILLION TONS. 331 3.093 332 2.804	
1f	General remarks of inspecting officers on geology, exploration etc			the leese has modified plan for 19-20.balance boreholes are 8 holes with meterrage 3210 mtr has been planned in yr 19-20.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	7800 to ch-	ch-7800 to ch-7800	

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

pit w.r.t. type

of deposit etc

officers on development of

MINE HAS DEVELOPED SHAFT.SHAFT IS USED FOR MEN AND MATERIAL HAULAGE.TWO SAHFTS HAVE BEEN DEVELOPED TO MINE .SHAFTS ARE MORE THAN 100 MTR DEEP.WORK DONE DURING YEAR :Shaft shinking-58m, shaft x-cut- 20 m, ore drive- 630 m winze/raise- 148 X-cut-153 m, m

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NA	NA	U/G MINE WITH TWO SHAFTS DEVELOPED.
3b	Quantity of ROM mineral production proposed	10000T	7000	
3c	Recovery of sailable/usable mineral from ROM production	ROM	ROM IS SALEABALE	

3d	Quantity of mineral reject generation	3000	3000	MN ORE BETWEEN 10- 20 MN IS STACKED IN YARD AS PER PROPOSAL
3e	Grade of mineral rejects generation and threshold value declared.	10-20%	10-20%	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	SCREENING, SORT ING	SCREENING/SORTING	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NO	
3ј	Provision of drilling and blasting in mineral benches	IN UG MINE	YES	
3k	Provision of mining machineries in mineral benches	NA	NA	
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	
3m	Total area covered under excavation/pits	1.5 HECT	1.50 HECT	U/G MINE
3n	Ore to OB ratio for the pit/mine during the year.	3820m3: 7000T	10287 :7000 T	

30	Total area put in use under different heads at the end of year	HECT, OB DUMPS	1.8,MINI STORAGE	HECT,OB DUMPS ERAL .5,INFRASTRUCTURE	IT IS NOW U/G MINE.
3p			2014-15 2015-16 2016-17 2017-18	0.000 0.000 0.000 0.001	
3q	General remarks of inspecting officers on method of mining etc.				MINE HAS TWO SHAFTS.CUT AND FILL MINING PRACTISED WITH SUNLEVELS.MINES IS WELL DEVELOPED WITH STOPING.

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	SUBGRADE STORED. MINE WASTE BEING STACKED AT SURFACE
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	ONLY ONE DURING THIS PLAN	ONLY ONE DURING THIS PLAN	
4e	Number of active and alive dumps.	1	1	
4g	Number of dumps established.	ONE	ONE	DURING THIS PLAN PERIOD ONLY ONE DUMP. OLD AROUND 22 HECT AREA IS UNDER WASTE DUMPS.

4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4 ј	Number of settling ponds	NIL	NIL	U/G MINE.
4k	Specific comments of inspecting officer on waste dump management			A SMALL QUNATITY OF WASTE FROM UG MINE IS STACKED ON SURFACE AROUND 12000 M35MTR HIGH.IS IS SECURED BY BUNDS AROUND IT.IT IS 20MTRBY 100 MTR.SAME IS LOCATED IN MAIN LEASE OF SAME COMPANY ADJOINING WIOTH THIS.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5e	General remarks of inspecting officers on backfilling and reclamation etc.			IT IS UNDER GROUND MINES.STOPES ARE FILLED UP WITH SAND AND WASTE GENERATED.STOPING DONE WITH OVER ALL RECOOVERY OF 50 - 70 %.

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	
6b	Area available for rehabilitation (ha) .	NA	NA	

Remarks

6с	afforestation done (ha).	NA	NA	
6g	Cost incurred on watch and care during the year			NO PROPOSALS UNDER THIS CATEGORY- MINED OUT BENCHES.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	UG MINE.		
61	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	THERE IS PROPOSAL TO BACKFILL STOPES.	STOPES MINED ARE BACKFILLED.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500 TREES FOR GREEN BELT	1000 PLANTS	
60	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	ENVIRONMENTAL MONITORING OF VARIOUS PARAMETERS IS DONE.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			IT IS UG MINE.MAINLY GREEN BELT DEVELOPMENT WORK IS DONE.

Propasals Actual work

Mineral Conservation:

Sl.No. Item

7a 1.ferro grade- 1.ferro grade- 38% to ROM Mineral below 20% Mn.(14-38% to 48% of 48% of Mn. dispatch or 16% Mn.) is reject grade-wise 2. silico and saperately Mn. sorting within grade- 25% to 38% of Mn. stacked as the lease area 2. silico threshold value 3. grade- 25% to LGHS gade 25-20% Mn 10% Mn. For future 38% of Mn. use as per market availaility. 3. LGHS gade 25-20% Mn 7b Method of grade- MANUAL MANUAL wise mineral sorting i.e. manual or mechanical. Different grade 1.ferro grade- 1.ferro grade- 38% to 7с of mineral 38% to 48% of 48% of Mn. sorted out at Mn. 2. silico mines. grade- 25% to 38% of Mn. 2. silico grade- 25% to LGHS gade 25-20% Mn 38% of Mn. 3. LGHS gade 25-20% Mn 7d NΟ Any NO beneficiation process at mines 7e General remarks below 20% Mn.(14-16% Mn.) is of inspecting SUBGRADE and officer on Mineral saperately stacked conservation and as the threshold beneficiation value 10% Mn. For issues future use as per market availaility.MINERA L SORTED IN VARIOUS GRADES AS MENTIONED FOR BETTER MARKETIBILITY.

Environment:

Item

Propasals

Actual work

Remarks

Sl.No.

8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	FOR WASTE AND MINERAL REJECT	YES MADE	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA		UG MINE
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NO	NO	UG MINE
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	BASELINE- 6000,500 EVERY YEAR.	700	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	YES	BEING DONE	

8i General remarks of inspecting officer on aesthetic beauty in and around mines area

LOT OF PLANATATION
SEEN IN MINES
AREA.IT IS NOW UG
MINE.GARDEN
DEVELOPED IN
OFFICE AREA.GREEN
BELT WORK IS DONE
IN MINES.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		YES SUBMITTED.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	7. Manager R.Y.Deshpande 8. Mining Engineer in charge Mayank Jain 9. Geologist in charge Vinay Rahangdale	INFO ON GEOLOGIST NEEDS CLARIFICATION.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.800 (v) Occupied by plant,		

9d	Scrutiny of Annual return on afforestation		GREEN BELT DEVELOPMENT IN MINES.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		STACKED IN YARD.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-6259.57 ,SALE PRICE-	
9h	Scrutiny of Annual return on fixed assets	FA=165506055	
9k	Scrutiny of Annual return on mining machineries		

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule	NO.	Issued on Compliance on
MCDR17 Rule 55(1)(3)08-MAY-20				

Date :

MCDR17 Rule 26(2) 08-MAY-20

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines