

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/ADB/Mn-28/HYD

Mine code : 40APR01017

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/Shri V.K.MISAR, QP and Suresh Agarawal, lessee
Official with
Designation
- (iv) Date of Inspection : 26/10/2023
- (v) Prev.inspection date : 03/02/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KUMBHAZARY(63.41 HA)**
- (b) **Registration NO.** : **IBM/1014/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **ADILABAD**
Village : **KUMBHAZARY**
Taluka : **ADILABAD**
Post office : **KUMBHAZARY**
Pin Code : **504001**
FAX No. : **08732-220508,**
E-mail : **sjmining@yahoo.com**
Phone : **9849204381**
- (f) Police Station : **ADILABAD**
- (g) First opening date : **01/11/2010**
- (h) Weekly day of rest : **SUN**
2. Address for
correspondance : **SURESH AGARWAL, SRI JAGADAMBA MINING (p) LTD.,
D.NO. 4-1-2011, DEVICHAND CHOWK, MGROAD,
ADILABAD**
3. (a) Lease Number : **APR2412**
- (b) Lease area : **25.66**
- (c) Period of lease : **50**
- (d) Date of Expiry : **24/07/2059**
4. Mineral worked : **MANGANESE ORE** Main

5. Name and Address of the

Lessee : SURESH AGARWAL
 C/O JAGADAMBA OIL MILLS,
 RAMPUR (V), PONNARI ROAD
 ADILABAD ADILABAD TELANGANA
 Phone:08732-230751,9849204381
 FAX :

Owner : SURESH AGARWAL
 C/O JAGADAMBA OIL MILL,
 RAMPUR (V), PONNARI ROAD
 ADILABAD ADILABAD TELANGANA
 Phone: 9849204381
 FAX :

Mining Engineer

Name : P.M.PIMPALSHENDE,Part Time
 Qualification : B.E.(MINING)
 Appointment/ : 01/11/2010
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27/10/2008
Plan/Scheme of Mining		MP review under 17(1) MCR 2016	27/04/2018
		MP review under 17(1) MCR 2016	03/03/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	Nil
1b	Exploration over lease area for geological axis 1 or 2	None	5.00 ha	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Lessee 80000/-	Amount Rs. 350000/- incurred towards exploration so far.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	Nil
1e	Balance reserve as on 01/04/20		47609 T	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Manganese ore in this belt occurs as a thin band (20 cms to 70 cms) interbanded with chert and jasper between the two limestone beds. The lime stones are highly siliceous . The ore zone within itself contains bands of jasper / chert and is highly jointed. The ore body is highly friable, striking along NWSE direction and dips at angle varying between 3° to 30°. So far 5.0 Ha potential mineralised area has been explored in G1 scale. balance area to be explored.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-2177980 to 2178110 and E- 249845 to E- 249930	N-2177980 to 2178110 and E- 249845 to E- 249930	nIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for Overburden and Mineral is proposed.	Yes,seperate benches of top soil and mineral is maintained.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.6	1:0.2381	Nil
2d	Quantity of topsoil generation in m3	1400 cu. m.	Nil	Due to less propduction.
2e	Quantity of overburden generation in m3	1680 cu. m.	Nil	Less production.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operations are being carried out within the approved proposals.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	3024 T	332 T	
3c	Recovery of sailable/usable mineral from ROM production	60%	60%	Nil
3d	Quantity of mineral reject generation	504 T	Nil	Blended.

3e	Grade of mineral rejects generation and threshold value declared.	<10%	<10%	Nil
3f	Quantity of sub grade mineral generation.	504	Nil	Blendd.
3g	Grade of sub grade mineral generation	>10% and <20% Mn content	>10% and <20% Mn content	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Jackhammer drilling machine of 33 mm dia is proposed to be used & blasting is being carried out by using ANFO with cartridges.	Jackhammer drilling machine of 33 mm dia is proposed to be used & blasting is being carried out by using ANFO with cartridges.	Nil
3k	Provision of mining machineries in mineral benches	Dumper and poclain	Poclain and tipper	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	0.08 ha.	0.08 ha.	Nil

3n	Ore to OB ratio for the pit/mine during the year.	1:0.6	1:0.2381	
3o	Total area put in use under different heads at the end of year	Mining - 0.08 ha Soil Stack - 0.03 ha	Mining - 0.08 ha Soil Stack - 0.03 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - nil 2019-20 - 603 T, 2020-21 - 3024 T, 2021-22 - 3024 T, 2022-23 - 3024 T	2018-19= Nil 2019-20= Nil 2020-21=Nil 2021-22= 252 T 2022-23=332 T	Nil
3q	General remarks of inspecting officers on method of mining etc.			Mining operations are being carried out by machanised (OTFM)

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Footwall side of the working pit	Footwall side of the working pit	Nil
4b	Location of topsoil, OB and mineral reject dumps	N- 2177975 to 2178110 E- 249850 to 249875	N- 2177975 to 2178110 E- 249850 to 249875	Nil
4c	Number of dumps within lease area and outside of lease area	3 dumps within lease area, Dump outside lease - Nil	3 dumps within lease area, Dump outside lease - Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	Nil
4e	Number of active and alive dumps.	Active dumps - 3	Active dumps - 3	Nil
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 proposal	Not applicable	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			Dumping is being done at proposed dumps as observed during the inspection.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	
5b	Area under backfilling of mined out area	No proposal	0.44 ha	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Stacked	Back filled and stacked.	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	0.18 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The top soil is being stacked and backfilled.

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).	To be submitted in time.	Submitted intime.	
6b	Area available for rehabilitation (ha) .	Nil	0.18 ha	
6c	afforestation done (ha).	0.05	0.05 ha	Nil
6d	No. of saplings planted during the year	50	50	Nil
6e	Cumulative no .of plants	150	150	Nil
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	Rs 10000/-	Rs 10000/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	rehabilated by backfilling an area of 0.18 ha	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals given in the approved mining plan	Environment monitoring data has been submitted.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated is to be sorted and sized manually and dispatched.	Total ROM is sorted manually and being dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Yes, by manual means	As proposed.	
7d	Any beneficiation process at mines	No proposal	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The entire ROM is being dispatched after sizing/ sorting of the mineral by manual.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	Nil
8b	Concurrent use or storage of topsoil	storage	Backfilled and storage	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Reclaimed and rehabilitated	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	Nil
8g	Survival rate	40%	40%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Agriculture activities found around the lease area of the mine.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The monhtly and annual returns to be submitted as required under rule 45 of MCDR, 2017.	The monhtly and annual returns have been submitted as required under rule 45 of MCDR, 2017.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered undercurrent(0 /C)Workings:0. 230 ha., Occupied byplant, buildings, residential,welfare buildings & roads : 0.200 ha,relaimed /rehabilitated :0.220 ha.	The land degradaton status furnished in he annual return is found to be in order.	
9d	Scrutiny of Annual return on afforestation	10 saplings	It was observed during the site inspection thaat about 50 saplings have been planted in the mining lease area.	It was observed during the site inspection thaat about 50 saplings have been planted in the mining lease area.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	218.73 t	218.73 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production: Rs. 2858/ MT	Cost of Production: Rs. 2858/ MT	
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	

9k	Scrutiny of Annual return on mining machineries	The deployment status of mining machineries are found to be in order.	The deployment status of mining machineries are found to be in order.
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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 :

(D.P.Ravi kumar)

Indian Bureau of Mines