

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/ADB/MN-26/HYD

Mine code : 40APR01015

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SRI K JENEKAR, QP, SRI VENKATAIAH, LESSEE REPRESENTAT
Official with
Designation
- (iv) Date of Inspection : 31-DEC-20
- (v) Prev.inspection date : 18-JAN-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : JAMDAPUR MINE(78.68 HA)
- (b) **Registration NO.** : IBM/1156/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : ADILABAD
- Village : JAMDAPUR
- Taluka : ADILABAD
- Post office : JAMDAPUR
- Pin Code : 504001
- FAX No. :
- E-mail : syminerals2009@gmail.com
- Phone : 08732-225168
- (f) **Police Station** : JAMDAPUR
- (g) **First opening date** : 17-APR-09
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : S Y MINERALS, BUNGLAW NO.68
GS ESTATE OPP. GANESH MANDIR
NH ROAD NO.7,ADILABAD-504001(TS)
3. (a) **Lease Number** : APR3251
- (b) **Lease area** : 78.69
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 30-JUN-28
4. **Mineral worked** : MANGANESE ORE Main

5. Name and Address of the

Lessee : S.Y.MINERALS (P) LTD.
 SRI YUNUS AKBANI, DIRECTOR
 PLOT NO. 20 & 21,
 G.S.ESTATE, N.H.NO. 7,
 ADILABAD ADILABAD TELANGANA
 Phone:
 FAX :

Owner : SANDEEP PAWAR
 SAMTA SOCIETY, A-7/2-10,
 SECTION-24 NERUL, NAVI
 BOMBAY-400706 ADILABAD
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : K.U.JENEKAR, Full Time
 Qualification : B.E.(MINING)
 Appointment/ : 01-MAY-10
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	15-SEP-09
		Modif.of approved Mining Plan	01-MAY-12
		Mining Scheme rule 12 MCDR1988	07-NOV-14
		MP review under 17(1) MCR 2016	06-SEP-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	63 DTH bore holes for the year 2019-20 to be drilled	Nil	Violation pointed out
1b	Exploration over lease area for geological axis 1 or 2	71.19 Ha	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	None	Expenditure incurred for exploration so far Rs. 1,82,421.00
1d	Balance area to be explored to bring Geological axis in 1 or 2	71.19 Ha	Not explored	
1e	Balance reserve as on 01/04/20	111-:14559 MT 122-: 10,001 Total-:24560 tons Production proposed in 2019-20: 3188 MT Balance reserves : 21372 MT	111-:14559 MT 122-: 10,001 Total-:24560 tons Reserves depleted in 2019-20: 3188 MT Balance reserves : 21372 MT	

1f	General remarks of inspecting officers on geology, exploration etc	Manganese ore in the region is of banded type with thickness varying from 0.6 to 1.0 meters with Strike line in North-West dipping towards North & South with varying angles from 10 to 15 degrees. The Manganese ore is occurring at very shallow depth from 1 to 8 meters. The Manganese ore is overlaid by 1 to 2 meters soil and 1 to 7 meters silicious Limestone. 71.19 Ha area is to be explored for which violation has been issued,
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	New Pit VI	Mining operations are being carried out within safety zone of irregation canal beyond the approved proposals	Violation pointed out
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches are proposed to be maintained for Waste and Ore	Top soil is being excavated separately & stored for future use as it is of 0.6 to 1.0 meters thichness only. The Limestone bench and Ore bench are being maintained separately.	
2c	Stripping ratio or ore to OB ratio	1:5.5	1: 0	
2d	Quantity of topsoil generation in m3	1993 CUM	Nil	
2e	Quantity of overburden generation in m3	5862 m3	Nil	

2f General remarks - -
of inspecting
officers on
development of
pit w.r.t. type
of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One pit	
3b	Quantity of ROM mineral production proposed	3188 Tonnes	179 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manually segregation is to be done	ROM ore is being segregated Manually	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	

3j	Provision of drilling and blasting in mineral benches	Jack Hammer Drilling & blasting is by use ANFO & detonators	Jack Hammer Drilling & blasting is by use ANFO & detonators	
3k	Provision of mining machineries in mineral benches	Excavator of 0.9 cum capacity, Tractor trailer- 3 Tonnes, Jack Hammer drill with Compressor	mining operation are being carried out by using Excavator with tractor trailer and Jack Hammer drill with Compressor	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches proposed 3.0m maximum in overburden is suitable for this type of deposit and in mineral, based on thickness of ore body.	Yes suitable for this type of deposit	
3m	Total area covered under excavation/pits	6.64 ha	More or less within in proposal limits excavation is being done	
3n	Ore to OB ratio for the pit/mine during the year.	1:5.5	1: 0	
3o	Total area put in use under different heads at the end of year	7.09	Within total area proposed	
3p	Production of ROM mineral during the last five year period as applicable	Year = Production 2015-16= 4768 2016-17= 4768 2017-18= 4771 2018-19= 4768 2019-20 = 3188	Year = Production 2015-16= 189 2016-17= 3390 2017-18= 4921 2018-19 =1832 2019-20 = 179	All figures in Tonnes

3q General remarks of inspecting officers on method of mining etc. Mining operation is being carried out by Semi mechanised method of mining by deploying excavator in oerburden bench and manual method in mineral benches. Deviation is excavation is observed and violation is pointed out

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste material to be simultaneously backfilled, Top Soil proposed to be stack Separately for future use	Waste dump is found dumped over mineralised bench.	Violation is pointed out
4b	Location of topsoil, OB and mineral reject dumps	Near boundary pillar E1 inside the mine.	Stacked near Pit No. IV.	
4c	Number of dumps within lease area and outside of lease area	Dumps are simultaneously backfilled in the working pit IV & VI	3 dumps within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Dumps to be created.	Dumps are created inside UPL	
4e	Number of active and alive dumps.	Three	Three	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NA	

4i	Length of Retaining wall or garland drain all along dumps	No proposal	NA
4j	Number of settling ponds	NA	NA
4k	Specific comments of inspecting officer on waste dump management	--	Dumps are found dumped over mineralised area instead of simultaneous backfilling

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.	Full Extraction	Working proposal is being carried out as proposed.	
5b	Area under backfilling of mined out area	1.30ha	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil in the lease area has to be spread over waste backfilled area and to make it suitable for agricultural purpose	No Restoration of mined out area during the year	
5d	Total area fully reclaimed and rehabilitated		No area reported to have been rehabilitated so far	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mined out area is being backfilled by waste siliceous limestone to bring it in to original ground level and restore the area by spreaing of Top soil to premining condition.	

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	Not submitted	violation pointed out
6b	Area available for rehabilitation (ha) .	1.30 Ha	Nil	
6d	No. of saplings planted during the year	140	100	
6f	Any other method of rehabilitation	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	1.30 HA	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	5862 cum of Waste to be generated is to be backfilled in the mined out area	Nil during year	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Yes it was proposed to backfill the mined out area over 1.30 Ha	Nil during the year
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	140 sapplings to be carried out in safety zone	100 sapplings planted during the year
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
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Simultaneous backfilling of OB is being practice about 1.30 ha is to reclaimed and rehabilitated.	No reclamation and rehabilitation is done

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated is to be diapatched and during the year 3188 tones	179 tonnes produced & dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting and sizing	Manual sorting and sizing	

7c	Different grade of mineral sorted out at mines.	No such proposal	Nil
7d	Any beneficiation process at mines .	No proposal	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Manual sorting and sizing is being carried out and entire ROM ore is markatable.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil is being dump separately & will be utilized after backfilling	Nil during the year Top soil is being dump separately & will be utilized by spreading as top layer over waste backfilled area to make it suitable for Agricultural	
8b	Concurrent use or storage of topsoil	Top soil isto be dumped separately & to be utilized after backfilling	Nil during the year	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dump for OB as OB geneated is proposed to be backfilled simultaneously	No OB generation during the year	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB is proposed to be simultaneously backfilled, Top soil is being spread uniformly over the waste backfilled area to make it suitable for agricultural	No reclamation during the year
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation is being carried out simultaneous of mined out area	No Reclamation done during the year
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Additional sapplings of 140 no.s to be planted in safety zone area to improve aesthetic beauty.	Additional plantation of 100 sapplings done during the year.
8g	Survival rate	--	70%
8h	Water sprinkling on roads to control airborne dust		Sprinkling arrangement done to control dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is carrying out plantation in the safety zone area to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR & AR are to be submitted regularly.	M.R. submitted up-to date A.R. submitted up-to Year 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri K. U. Jenekar Mining Enginner, No Geologist	Sri K. U. Jenekar Mining Enginner	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Mining : 5.61 Ha, Occupied by plant/ road : 0.32 Ha & Mineral Storage : 0.06 Ha	Under Mining : 5.61 Ha, Occupied by plant/ road : 0.32 Ha & Mineral Storage : 0.06 Ha	Reclamation carried out so far : 4.96 Ha
9d	Scrutiny of Annual return on afforestation	140 sapplings planted	100 spplings planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The details of different grade of ore stacked as below < 25% Mn content 448 Tonnes & >25% <35% Mn Content 625 Tonnes	The above is stacked	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	< 25% Mn content is Rs.4506.00 >25% <35% Mn Content is Rs.7398.00 Cost of Production is Rs.3011.00	< 25% Mn content is Rs.4506.00 >25% <35% Mn Content is Rs.7398.00 Cost of Production is Rs.3011.00	

9h	Scrutiny of Annual return on fixed assets	Rs.1,00,000/-	As reported by Lessee
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

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 11(1)	03-FEB-21			
MCDR17	Rule 14(3)	03-FEB-21			
MCDR17	Rule 26(2)	03-FEB-21			
MCDR17	Rule 31(4)	03-FEB-21			
MCDR17	Rule 43	03-FEB-21			
MCDR17	Rule 55(1)(3)	03-FEB-21			
	Rule 42(1)(C)(I)	03-FEB-21			

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines