

**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 : Deputy Controller Mines
- (iii) Accompanying mine : SRI K JENEKAR, QP, SRI VENKATAIAH, LESSEE REPRESENTAT
Official with
Designation
- (iv) Date of Inspection : 18-FEB-22
- (v) Prev.inspection date : 31-DEC-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** : 50
- (d) **Date of Expiry** : 30-JUN-50
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	:	Modif.of approved Mining Plan	15-SEP-09
Plan/Scheme of Mining	:	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	63 DTH bore holes During the year 2019-20 and 2020-21	Core drilling in the mineralised zone is under progress and lessee committed to completed by the end of 2021-22.
1b	Exploration over lease area for geological axis 1 or 2	71.19 ha	71.91 Ha area has been explored in G1 scale by 63 no. of DTH Bore holes and In Mineralised area Core drilling is under progress and lessee is committed to complete at the end of 2021-22	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Lessee. About Rs. 1,80,000.00 has been spent by lessee for exploration so far.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire lease area has been explored in G1 scale
1e	Balance reserve as on 01/04/20	111-:14559 MT 122-: 10,001 Total-:24560 tons Production proposed in 2019-20: 3188 MT 2020-21 : 2859 MT Balance reserves : 18513 MT	111-:14559 MT 122-: 10,001 Total-:24560 tons Actual Production in 2019-20: 3188 MT 2020-21 : 512 Balance reserves : 20868 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. Entire lease area has been explored in G1 scale.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	New Pit VI: E241472-241535 N2183420-2183470	Mining operations are being carried out as per the approved proposals.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate 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	1:5.5	
2d	Quantity of topsoil generation in m3	1729 cum	About 310 cum	Less development due to less production during the year
2e	Quantity of overburden generation in m3	4847 cum	About 703 cum 2550 Tonnes	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Development is being carried out by maintaining bench height of 3 meters and separate OB and Mineral benches are being developed. Mining operations are being carried out within approved proposals.
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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	2020-21 : 2859 Tonnes	2020-21 : 512 Tonnes	Less production is due to Covid pandemic and Non availability of labours
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	F.Y 2020-21 : No proposal	F.Y 2020-21 : No mineral reject generated.	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	F.Y 2020-21 : No proposal	No generation of Sub grade mineral reported during the year	
3h	Manual / Mechanised method adopted for segregating from ROM	Manually	ROM ore is being segregated manually	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	F.Y 2020-21 : No such proposal of any beneficiation study	Not done
3j	Provision of drilling and blasting in mineral benches	Drilling of shot holes of 0.6 to 1.5 meters depth by Jack Hammer drill of 33 mm dia by maintaining spacing of 0.9 meters and Burden of 0.7 meters and blasting is to be done by ANFO with detonators	Drilling and Blasting is being carried out as per approved proposals
3k	Provision of mining machineries in mineral benches	Excavators of 0.9 cu, capacity- 1 No. Tractor- 3 Tonnes capacity-2 No., Jack Hammer Drill- 33 mm dia- 1 No. are to be used	Mining operations are being carried out with 0.9 cum capacity excavator with tractor trailer 3 tonnes capacity 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 is 3.0m maximum in overburden, which is suitable by using 0.9 cum capacity Excavator.	Yes 3.0 meters bench height is suitable using Boom length of 0.9 cum capacity excavator.
3m	Total area covered under excavation/pits	6.64 ha	Within the proposal limits excavation is being done.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 5.5	1 : 5.1

3o	Total area put in use under different heads at the end of year	7.09 Ha area to be put to use for mining and allied activities	Area put to use for mining and allied activities is within total area approved.	
3p	Production of ROM mineral during the last five year period as applicable	Year = Production in Tonnes 2016-17= 4768 2017-18= 4771 2018-19= 4768 2019-20 = 3188 2020-21 : 2859	Year = Tonnes 2016-17= 3390 2017-18= 4921 2018-19= 1832 2019-20 = 159 2020-21 = 512	Less production due COVID Pandemic.
3q	General remarks of inspecting officers on method of mining etc.		Mining operation is being carried out by mechanised method of mining by deploying excavator in overburden bench and manual sorting and sizing in mineral benches is being carried 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 backfilled in the mined out area simultaneously , Top soil generated is temporarily stacked in earmarked area seperately for future use.	Waste generated is being backfilled simultaneously and Top soil generated is being stacked temporarily in the earmarked place and is being utilised to spread over backfilled area.	
4b	Location of topsoil, OB and mineral reject dumps	Temporary stack near boundary pillar E1	The top soil is being utilised in the backfilled area	

4c	Number of dumps within lease area and outside of lease area	No Dumps are there as waste is being simulteneously backfilled in the mined out area	No dumps area there, entire waste generated is being backfilled in mined out area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No external dumps to be created.	No dumps are there as waste generated is being backfiled in mined out area.
4e	Number of active and alive dumps.	No proposal	Nil
4f	Number of dead dumps.	No proposal	Nil
4g	Number of dumps established.	FY 2020-21 : No such proposal	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable
4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	-	No waste dumps created by lessee are there in the lease area. Waste generated is being simulteneous backfillied

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.	It is proposed to Full extraction of ore before backfilling.	Full extraction of ore is being done before backfilling the mined out area by waste.	

5b	Area under backfilling of mined out area	0.21 ha	About 0.21 ha
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil generated is being stacked temporarily and later on utilised by spread over the backfilled area to to make it suitable for agricultural prupose.	Top soil is being used for the reclamation of mined out area over 2.00 ha to make it suitable for agricultural
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil during the year 2020-21
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 TOP SOil is stored temporarily in the earmarked place and spreading over backfilled area to restpre the area.

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 return on PMCP shall be submitted.	Annual return on PMCP has been submitted in Time	
6b	Area available for rehabilitation (ha) .	1.4 Ha	About 2.0 Ha area is reclaimed	

6d	No. of saplings planted during the year	140 no. of sapplings to be planted during the F.Y 2020-21	180 sapplings planted during the year 2020-21
6e	Cumulative no .of plants	No proposal as such	About 530 sapplings planted
6f	Any other method of rehabilitation	Mined out area proposed to restore by doing agriculture activity after reclamation.	Mined out area is being reclaimed by backfilling the waste material, levelleing and spreading of top soil over the same & utilized for agriculture activity.
6g	Cost incurred on watch and care during the year	No proposal	About Rs.5000.00
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	About 0.21 ha area available for backfilling	yes 0.21 ha available for backfilling
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Void proposed to filled by waste 0.21 ha	0.21 Ha Filled by waste material
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Yes Plantation on safety Zone area	Plantation is being done in safety zone area.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring is to be carried out in respect of AAQ, Noise, water quality etc.	Quarterly monitoring is being carried out in respect of AAQ, water and Noise
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Mined out area is being reclaimed by backfilling the mined out area by waste and spreading top soil over it to utilize for agriculture activity.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated during the year 2020-21 i.e. 2859 tonnes is to be dispatche	753 Tonnes of Manganese Ore was dispatched during the year 2020-21	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting and sizing is being carried out	Manual sorting and sizing is being carried out as proposed in MP	
7c	Different grade of mineral sorted out at mines.	Below 25% Mn Content and 25% to 35% Mn Content	Below 25% Mn Content and 25% to 35% Mn Content	
7d	Any beneficiation process at mines .	F.Y 2020-21 No such beneficiation study was commented	Not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Manual sorting and sizing is being carried out to segregate the different grade of mineral and entire ROM ore is markatable.	

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil is being dumped temporarily and will be utilized after backfilling	Top soil generated is being stacked temporarily and is being utilized over backfilled area to restore the area	
8b	Concurrent use or storage of topsoil	Top soil is being dumped separately and will be utilized after backfilling	Yes same is being practised	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dump for OB, Reject and Fines	No OB, REject and Fines generated 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 in mined out area.	Yes OB generated is being used for backfilling the mined out area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation is being carried out by backfilling the pits and levelled it and Top Soil is to be spread over the same	Yes Reclamation is being carried out in the excavated area as per proposals made in MP	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Additional sapplinga of 140 nos to be planted in salety zone during the year 2020-21	Additional sapplinga of 180 nos planted in salety zone during the year.	
8g	Survival rate	No proposal	40%	

8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement to be made to suppress the dust generated due to mining activity	Yes Water tanker is being deployed for water sprinkling 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. Quarterly monitoring is being carried out in respect of AAQ, Water, Noise etc. Reclamation is being carried by backfilling the mined out area.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR up to January 2022 & AR up to 2020-21 to be submitted regularly	MR up to January 2022 & AR up to 2020-21 submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri K.U. Janekar Mining Engineer, Sri Suchit Agwale, Geologist	Both are employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under mining 3.53 ha, Reclaimed and Rehabilitated- 2.5 Ha occupied by plant/road: 0.25 ha and Work done for closure activities : 2.0 Ha	Area put to use is more or less as furnished in return	

9d	Scrutiny of Annual return on afforestation	140 sapplings planted	180 sapplings 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 210 Tonnes & >25% <35% Mn Content 503 Tonnes	< 25% Mn content 210 Tonnes & >25% <35% Mn Content 503 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The details of different grade of ore stacked as below < 25% Mn content Rs. 4600 >25% <35% Mn Content Rs. 6175 and Cost of Production Rs. 4345/ Tonne Production is Rs. 3011.00	As reported by Lessee
9h	Scrutiny of Annual return on fixed assets	Rs. 1000000	As submitted by Lessee.
9k	Scrutiny of Annual return on mining machineries	Back Hoe- 0.9 cum capacity- 1, Air Compressor- 1 No. Tractor-3 Tonne- 2 No.	The machineries are being used by Lessee.

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines