

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT 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 : **K007** ) **SHAIVAL KARTIKEYA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Savapure Gajanan, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 23-FEB-23
- (v) Prev.inspection date : 18-FEB-22

**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-58**
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	No proposal.	F.Y. 2021-22: (i) 4 core boreholes with cumulative depth of 42.0 meters. (ii) 25 nos. of DTH boreholes with cumulative depth of 375.0 meters have been drilled.	The entire potentially mineralised area has been explored under G1 level. G1 Level: 7.0 Ha. Non-mineralised: 71.68 Ha.
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	7.0 Ha. potentially mineralized area has been explored under G1 level.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the approved document.	Agency: M/s S. Y. Minerals Private Limited Rs. 2,76,000/-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	7.0 Ha. potentially mineralized area has been explored under G1 level.	-
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2023  Under (111): 0.002629 Million Tonnes  Under (121 & 122): 0.010 Million Tonnes  Under (211): 0.001229 Million Tonnes  Under (211): 0.001229 Million Tonnes	Balance reserves as on 01.04.2023  Under (111): 0.011716 Million Tonnes  Under (121 & 122): 0.010 Million Tonnes  Under (211): 0.001229 Million Tonnes	-

1f	General remarks of inspecting officers on geology, exploration etc	The mining lease area and its surroundings are formed by sedimentary formation consisting of thin bands of shaly/silicious limestone of Penganga formation. Soil, Silicious Limestone and Manganese Ore are the only geological formation encountered in the area. The manganese ore occurs below the upper limestone beds and more or less in horizontal stratiform layer of thickness 0.50 meter with clear litho-startigraphic controls.
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	F.Y. 2021-22: In between UTN co-ordinates N2183457 to N2183152 and E241586 to E241637	F.Y. 2021-22: In between UTN co-ordinates N2183457 to N2183152 and E241586 to E241637	Broadly development and production have been in the proposed co-ordinates.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal has been given in the approved document for separate benching of Topsoil, Overburden and Mineral/Ore. Topsoil: 01 no. Overburden: 01 no. Mineral/Ore: 01 no.	Separate benching has been maintained. Topsoil: 01 no. Overburden: 01 no. Mineral/Ore: 01 no.	-
2c	Stripping ratio or ore to OB ratio	1 : 4.90	1 : 0.30	Less production and development has been during F.Y. 2021-22.
2d	Quantity of topsoil generation in m3	1651.0 CuM	921.0 CuM	-do-
2e	Quantity of overburden generation in m3	4843.0 CuM	2700.0 CuM	-do-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development and production is being done through mechanized means.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 no.	01 no.	-
3b	Quantity of ROM mineral production proposed	F.Y. 2021-22: 2974.000 Metric Tonnes	F.Y. 2021-22: 834.000 Metric Tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	-
3d	Quantity of mineral reject generation	No proposal.	Nil.	No mineral reject was generated during F.Y. 2021-22.

3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil.	-do-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil.	No mineral sub-grade was generated during F.Y. 2021-22.
3g	Grade of sub grade mineral generation	No proposal.	Nil.	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sizing and sorting has been proposed in the approved document.	Manual sizing and sorting is being done.	-
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	Drilling Machine: Jack Hammer, Diameter: 33.0 mm Depth: 0.60 m to 1.50 m Spacing: 0.90 m Burden: 0.70 m Explosive: Gelatin & Detonator	Drilling Machine: Jack Hammer, Diameter: 33.0 mm Depth: 0.60 m to 1.50 m Spacing: 0.90 m Burden: 0.70 m Explosive: Gelatin & Detonator	-
3k	Provision of mining machineries in mineral benches	1. Jack Hammer Drill 01 no. with 33 mm diameter 2. Excavator 01 no. with 0.9 CuM bucket capacity 3. Tractors 02 nos. with 3.0 metric tonne capacity 4. Water Tanker 01 nos. with 1000 liters capacity	1. Back Hoe 01 no. with 0.9 CuM bucket capacity 2. Air Compressor 01 no. with 25.0 CuM/Mn capacity 3. Tractor 02 nos. with 40.0 HP capacity	-

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 0.50 m OB: 4.0 m to 5.0 m Mineral: 0.50 m	Topsoil: 0.50 m OB: 4.0 m to 5.0 m Mineral: 0.50 m	-
3m	Total area covered under excavation/pits	6.64 Ha. up to end of F.Y. 2023-24	2.71 Ha. up to end of F.Y. 2021-22	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 4.9	1 : 0.30	Less production and development has been during F.Y. 2021-22.
3o	Total area put in use under different heads at the end of year	Pit: 6.64 Ha. Waste/reject- Nil Others- 0.45 Ha. Up to end of F.Y. 2023-24	Pit: 2.71 Ha. Waste/reject- Nil Others- 4.7 Ha. Up to end of F.Y. 2021-22	-
3p	Production of ROM mineral during the last five year period as applicable	Yr. 2017-18: 4771.00 Metric Tonnes Yr. 2018-19: 4768.00 Metric Tonnes Yr. 2019-20: 3188.00 Metric Tonnes Yr. 2020-21: 2859.00 Metric Tonnes Yr. 2021-22: 2974.00 Metric Tonnes Yr. 2022-23: 2909.00 Metric Tonnes	Yr. 2017-18: 4921.00 Metric Tonnes Yr. 2018-19: 1832.00 Metric Tonnes Yr. 2019-20: 179.00 Metric Tonnes Yr. 2020-21: 512.00 Metric Tonnes Yr. 2021-22: 834.00 Metric Tonnes Yr. 2022-23: 1318.00 Metric Tonnes	Violation has been pointed out for less production.
3q	General remarks of inspecting officers on method of mining etc.			Mining has been carried out through the opencast method with mechanized means using conventional drilling and blasting.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposal has been given in the approved document for separate stacking of mineral and topsoil.	Separate stacking of mineral and topsoil have been done in the earmarked locations within lease area.	Generated waste and the topsoil have been utilized for backfilling and ground restoration.
4b	Location of topsoil, OB and mineral reject dumps	In-between UTM co-ordinates  Mineral/Ore: N2183466 to N2183484 and E241362 to E241398  Topsoil Stack: N2183452 to N2183468 and E241428 to E241466	In-between UTM co-ordinates  Mineral/Ore: N2183466 to N2183484 and E241362 to E241398  Topsoil Stack: N2183452 to N2183468 and E241428 to E241466	-
4c	Number of dumps within lease area and outside of lease area	No proposal.	Two small and temporary dumps were present adjacent to the working pits for concurrent backfilling.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil.	-
4e	Number of active and alive dumps.	No proposal.	Nil.	-
4f	Number of dead dumps.	No proposal.	Nil.	-
4g	Number of dumps established.	No proposal.	Nil.	Concurrent backfilling is being done in the worked out pits.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil.	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	-
4j	Number of settling ponds	No proposal.	Nil.	-



4k Specific comments of inspecting officer on waste dump management Nil.

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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.	Concurrent backfilling has been proposed in the approved document over 0.21 Ha. in the mined out pit.	Concurrent backfilling is being done over the 0.10 Ha. in the mined out pit	-
5b	Area under backfilling of mined out area	Mined out pit over 0.21 Ha. in between UTM co-ordinates N2183460 to N2183514 and E241574 and E241638	Mined out pit over 0.10 Ha. in between UTM co-ordinates N2183460 to N2183514 and E241574 and E241638	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposal has been given in the approved document for concurrent use 1651.0 CuM of topsoil for spreading over the backfilled area and ground restoration.	Being done as per proposal. 921.0 CuM of topsoil has been utilized for ground restoration.	-
5d	Total area fully reclaimed and rehabilitated	0.21 Ha. of the mined out pit will be backfilled.	0.10 Ha. of the mined out pit has been backfilled.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Nil.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26(2), lessee has to submit the annual report before 1st day of July of every year.	Annual report on PMCP for F.Y. 2021-22 is not submitted.	Violation has been pointed out.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil.	-
6c	afforestation done (ha).	No proposal.	Nil.	-
6d	No. of saplings planted during the year	No proposal.	Nil.	-
6e	Cumulative no .of plants	No proposal.	Nil.	-
6f	Any other method of rehabilitation	No proposal.	Nil.	-
6g	Cost incurred on watch and care during the year	No proposal.	Nil.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	4843.0 CuM	2000.0 CuM	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	4843.0 CuM	2000.0 CuM	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	4843.0 CuM	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.	No proposal.	Nil.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	140 nos.	Not done.	Violation has been pointed out for nil plantation.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.21 Ha.	Not done.	-do-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	By plantation	Nil.	-do-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given in the approved document for regular monitoring of the environmental parameters in the core and buffer zone.	Being done as per proposal.	All the parameters are within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Nil.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting has been proposed for grade wise segregation of the mineral/ore.	Manual sorting is being done for below 25% Mn and 25% and below 35% Mn	-

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-do-	-do-	-
7c	Different grade of mineral sorted out at mines.	Proposal has been given in the approved document for grade wise sorting of mineral/ore.	-do-	-
7d	Any beneficiation process at mines .	No proposal.	Nil.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Nil.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal has been given in the approved document for separate removal of 1651.00 CuM of topsoil and stacking in between UTM co-ordinates N2183452 to N2183468 and E241428 to E241466	921.00 CuM of generated topsoil has been stacked in between UTM co-ordinates N2183452 to N2183468 and E241428 to E241466 also certain quantity has been utilized for ground restoration.	-
		Also generated topsoil will be spreaded over the backfilled area for restoration of the ground.		

8b	Concurrent use or storage of topsoil	Generated topsoil will be spreaded over the backfilled area for restoration of the ground.	Certain quantity of topsoil has been utilized for ground restoration.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal has been given in the approved document for separate stacking of mineral and topsoil.  In-between UTM co-ordinates Mineral/Ore: N2183466 to N2183484 and E241362 to E241398  Topsoil Stack: N2183452 to N2183468 and E241428 to E241466	Separate stacking of mineral and topsoil have been done in the earmarked locations within lease area. In-between UTM co-ordinates  Mineral/Ore: N2183466 to N2183484 and E241362 to E241398  Topsoil Stack: N2183452 to N2183468 and E241428 to E241466	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has been given in the approved document for backfilling of 0.21 Ha. area through waste rock in between UTM co-ordinates N2183460 to N2183514 and E241574 and E241638.	0.10 Ha. area has been backfilled through waste rock in between UTM co-ordinates N2183460 to N2183514 and E241574 and E241638.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.21 Ha. will be backfilled with the waste rock and 140 nos. of sapling will be planted over 0.21 Ha. backfilled. Area.	0.10 Ha. has been backfilled. Nil plantation has been done.	Violation has been pointed out.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	140 nos. of saplings will be planted over 0.21 Ha. area.	Nil plantation has been done.	-do-
8g	Survival rate	Not mentioned in the approved document.	-do-	-do-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads to control airborne dust through the water tanker.	Being done as per proposal.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Nil.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A.R. Submitted up to F.Y. 2021-22 M.R. Submitted up to April 2023	A.R. Submitted up to F.Y. 2021-22 M.R. Submitted up to April 2023	Nil.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Nil Mining Engineer: Shri Gajanan Sawapure Geologist: Shri Suchit Aglawe	Manager: Nil Mining Engineer: Shri Gajanan Sawapure Geologist: Shri Suchit Aglawe	Nil.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 2.71 Ha. Waste/reject- Nil Others- 4.7 Ha.	Pit: 2.71 Ha. Waste/reject- Nil Others- 4.7 Ha.	Nil.
9d	Scrutiny of Annual return on afforestation	Within lease area: 140 nos. of saplings with 40% survival rate.	Nil plantation has been done.	Violation has been pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral-reject: NIL Grade: NIL	Mineral-reject: NIL Grade: NIL	Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock ROM: NIL  Graded Ore: (i) Below 25% Mn: 116.630 Metric Tonnes.  (ii) 25% to below 35% Mn: 30.070 Metric Tonnes.	Closing Stock ROM: NIL  Graded Ore: (i) Below 25% Mn: 116.630 Metric Tonnes.  (ii) 25% to below 35% Mn: 30.070 Metric Tonnes.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value: Rs. 5257101.85.  Ex-mine Price:  (i) Below 25% Mn: Rs. 3468.53 Per Metric Tonnes.  (ii) 25% to below 35% Mn: Rs. 7609.61 Per Metric Tonnes.  Cost of Production: Rs. 3892.00 Per Metric Tonne	Sale value: Rs. 5257101.85.  Ex-mine Price:  (i) Below 25% Mn: Rs. 3468.53 Per Metric Tonnes.  (ii) 25% to below 35% Mn: Rs. 7609.61 Per Metric Tonnes.  Cost of Production: Rs. 3892.00 Per Metric Tonne	Nil.
9h	Scrutiny of Annual return on fixed assets	Rs. 1000000/-	Rs. 1000000/-	Nil.

9k	Scrutiny of Annual return on mining machineries	1. Back Hoe 01 no. with 0.9 CuM bucket capacity 2. Air Compressor 01 no. with 25.0 CuM/Mn capacity 3. Tractor 02 nos. with 40.0 HP capacity	1. Back Hoe 01 no. with 0.9 CuM bucket capacity 2. Air Compressor 01 no. with 25.0 CuM/Mn capacity 3. Tractor 02 nos. with 40.0 HP capacity	Cross verified from the machinery logbooks.
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**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)	18-APR-23			
MCDR17	Rule 26(2)	18-APR-23			
MCDR17	Rule 27(2)	18-APR-23			
MCDR17	Rule 31(2)	18-APR-23			
MCDR17	Rule 33	18-APR-23			

**Date :**

**(SHAIVAL KARTIKEYA)**

Indian Bureau of Mines