

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

**MCDR inspection 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 : **SHRI V.K. MISAR, LESSEE'S** REPRESENTATIVE  
Official with  
Designation
- (iv) Date of Inspection : 29-JUN-22
- (v) Prev.inspection date : 03-JAN-21

**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-NOV-10**
- (h) Weekly day of rest : **SUN**
2. Address for : **SURESH AGARWAL, SRI JAGADAMBA MINING (p) LTD.,**  
correspondance : **D.NO. 4-1-2011, DEVICHAND CHOWK, MGROAD,**  
**ADILABAD**
3. (a) Lease Number : **APR2412**
- (b) Lease area : **25.65**
- (c) Period of lease : **50**
- (d) Date of Expiry : **24-JUL-59**
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-NOV-10

Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-OCT-08
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	27-APR-18
	:	MP review under 17(1) MCR 2016	03-MAR-20

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	-do-	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	Amount Rs. 350000/- incurred towards exploration so far.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	So far 5.0 ha. area is explored in G1 scale	Proposals were made in the recent approved mining plan to covering the entire lease area under G2 scale.
1e	Balance reserve as on 01/04/20		Reserves as on 01.04.2022 : 47941 T	

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 NW-SE 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..
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## 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	
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.	
2c	Stripping ratio or ore to OB ratio	1:0.3	1:0.3	
2d	Quantity of topsoil generation in m3	1680m 3	Nil	

2e	Quantity of overburden generation in m3	1512 t	500 t	
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	
3b	Quantity of ROM mineral production proposed	3024 t	252.44 t	
3c	Recovery of sailable/usable mineral from ROM production	60%	60%	
3d	Quantity of mineral reject generation	504 t	25 t	
3e	Grade of mineral rejects generation and threshold value declared.	<10%	<10%	
3f	Quantity of sub grade mineral generation.	504	25	
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	Manual	Manual	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	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.
3k	Provision of mining machineries in mineral benches	No proposal	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	1.33	0.35
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.3	1:0.3
3o	Total area put in use under different heads at the end of year	Area under Mining: 0.18, storage for topo soil: 0.08, waste dump site: 0.34, Mineral storage including sub grade : 0.03, roads : 0.21	Area under Mining: 0.18, storage for topo soil: 0.08, waste dump site: 0.34, Mineral storage including sub grade : 0.03, roads : 0.21

3p	Production of ROM mineral during the last five year period as applicable	2015-16 - Nil 2016-17 - Nil 2015-16 - Nil 2016-17 - Nil 2017-18 - Nil 2018-19 - 2538 tonnes 2019-20 - 1008 tonnes, 2020-21: 3024 t, 2021-22: 3024 t 2017-18 - Nil 2018-19 - 2538 tonnes 2019-20 - 1008 tonnes, 2020-21: 3024 t, 2021-22: 3024 t	2015-16 - Nil 2016-17 - Nil 2017-18 - Nil 2018-19 - 440 tonnes 2019-20 - Nil 2020-21: Nil 2021-22: 252.44 t
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3q General remarks of inspecting officers on method of mining etc.

Mining operations are being carried out by manually.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	One seperate dump for waste is proposed which is temporarily in nature on foot wall side of the pit-land to be backfilled in the mined out area. The top soil generated is to be stacked temporarily and to re utilised over backfilled area.	As proposed	

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	
4c	Number of dumps within lease area and outside of lease area	One temporary dump	One temporary dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	nIL	
4e	Number of active and alive dumps.	One	No activity, lessee informed that will be started veru soon.	
4f	Number of dead dumps.	Nil	NA	
4g	Number of dumps established.	Nil	NA	
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	Nil	NA	
4k	Specific comments of inspecting officer on waste dump management		Dumping is being done at proposed dump as observed during the inspection	Dumping is being done at proposed dump as observed during the inspection

#### 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 of Ore before backfilling	Nil	



5b	Area under backfilling of mined out area	No proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil is to be stored temporary and utilised after reclamation of waste materuial in mined out pit	As proposed	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

#### 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	Not submitted, violation is being issued.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.206 ha	0.206 ha	
6d	No. of saplings planted during the year	50	50	
6e	Cumulative no .of plants	100	100	
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	Rs 5000	Rs 5000	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	1.0	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)Afforestation on backfilled area	No proposal	NA
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	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	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals given in the approved mining plan	Environment monitoring data has not been submitted for 2021-22 and violation is being issued.	The necessary violation is being issued.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly report has not been submitted by the lessee. Only plantation is being done.

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#### 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 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	

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 .
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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	

8g	Survival rate	Nil	Nil	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Agriculture activities found around the lease area of the mine.

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#### 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	The employment status of Geologist is found to be in order.	The employment status of Mining Geologist is found in order. Lessee submitted the notice of appointment of Geologist.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C)Workings :0.230 ha., Occupied byplant, buildings, residential, welfare buildings & roads : 0.200 ha,relaimed / rehabilitated : 0.220 ha.	The land degradation status furnished in he annual return is found to be in order	
9d	Scrutiny of Annual return on afforestation	25 saplings planted.	More or less planted.	

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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	252.44 t	252.44 t
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production: Rs. 2723 / 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