

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/ADB/MN-27/HYD

Mine code : 40APR01016

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. K.U.JENEKAR, CONSULTANT & PRADEEP PIMPALSHENDE
Official with
Designation
- (iv) Date of Inspection : 10/03/2017
- (v) Prev.inspection date : 15/10/2009

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHANDA(39.15 HA)**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : **TELANGANA**
- District : **ADILABAD**
- Village : **CHANDA**
- Taluka : **ADILABAD**
- Post office : **CHANDA**
- Pin Code : **504001**
- FAX No. :
- E-mail :
- Phone : **08732 230751, 9849204381**
- (f) **Police Station** :
- (g) **First opening date** : 01/08/2009
- (h) **Weekly day of rest** : SUN
2. **Address for** : **SRI. SURESH AGARWAL, C/O. JAGADAMBA OIL MILL**
correspondance **RAMPUR(V), PONNARI ROAD**
ADILABAD DIST
3. (a) **Lease Number** : **APR2410**
- (b) **Lease area** : **39.28**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **02/02/2029**
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 :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 31/01/2006
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 19/09/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Six Trial pits	NIL	Violation of Rule 13(1) pointed out to the lessee.
1b	Exploration over lease area for geological axis 1 or 2	10 ha	10 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	_____	Lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	25 ha	
1e	Balance reserve as on 01/04/20	4692 tonnes	4692 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	_____

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Dip side of Pit I & II	Dip side of Pit I & II	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:5	1:5	
2d	Quantity of topsoil generation in m3	641 m3	600 m3	
2e	Quantity of overburden generation in m3	2829 m3	About 2800 m3	

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	Two Pits	Two Pits	
3b	Quantity of ROM mineral production proposed	1197 tons	950 tons	
3c	Recovery of sailable/usable mineral from ROM production	82%	85%	
3d	Quantity of mineral reject generation	263 m3	200 m3	
3e	Grade of mineral rejects generation and threshold value declared.	Below 10%	Below 8%	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
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	Jack Hammer drilling	Jack Hammer drilling	

3k	Provision of mining machineries in mineral benches	NIL	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	0.5 to 1.5 m	0.5 to 1.5 m	
3m	Total area covered under excavation/pits	0.30 ha	0.30 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:5	1:5	
3o	Total area put in use under different heads at the end of year	0.35 ha	0.35 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12--1128 t, 2012-13--1128 t, 2013-14--1128 t, 2014-15--1197 t, 2015-16--1197 t	2011-12--200 t, 2012-13--405 t, 2013-14--1204 t, 2014-15--350 t, 2015-16--950 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The mining operations are being carried out manually.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	OB is proposed for concurrent backfilling. Top soil is proposed to stack separately.	OB is used for concurrent backfilling. Top soil is stacked separately.	
4b	Location of topsoil, OB and mineral reject dumps	OB Near working pit, top soil in the designated area	OB Near working pit, top soil in the designated area	

4c	Number of dumps within lease area and outside of lease area	One top soil dump Waste is being utilised for concurrent back filling	One top soil dump Waste is being utilised for concurrent back filling
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL, since the dumps are temporary	within UPL, since the dumps are temporary
4e	Number of active and alive dumps.	Two	Two
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	Not Applicable	Not Applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable
4j	Number of settling ponds	Not Applicable	Not Applicable
4k	Specific comments of inspecting officer on waste dump management	_____	_____

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 the mineral	Full extraction of the mineral	
5b	Area under backfilling of mined out area	0.13 ha	0.12 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed to rahabilitate the backfilled area.	After backfilling the mined out area, top soil will be used for spreading over the backfilled area.	

5d	Total area fully reclaimed and rehabilitated	2.10 ha	2.10 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	_____

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).	Yes	No	Violation of Rule 26(2) of MCDR,2017 has been pointed out to the lessee
6b	Area available for rehabilitation (ha) .	0.13 ha	0.12 ha	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	_____	_____	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	187 x 6085 x 2.6 m	187 x 6085 x 2.6 m	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Applicable	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Applicable	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10 plants	10 plants
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	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	Grade wise sorting is being done	Grade wise sorting is being done
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	_____	22 to 25% Mn
7d	Any beneficiation process at mines	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil will be dumped separately and will be used after backfilling	Top soil is being dumped separately and will be used after backfilling	
8b	Concurrent use or storage of topsoil	To be stacked separately for temporary purpose	Stacked separately for temporary purpose	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste dumps are proposed for concurrent backfilling	Waste is being utilised for concurrent back filling.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Waste dumps are proposed for concurrent backfilling	Waste is being utilised for concurrent back filling.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent back filling is proposed	Concurrent back filling is being done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 plants	10 plants	
8g	Survival rate	_____	_____	
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	Since mining operations are manual, no dust will arise
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	_____

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns submitted up to date	Monthly and Annual Returns submitted up to date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Pradeep Pimpalshende, Mines Manager & Mining Engineer	Pradeep Pimpalshende, Mines Manager & Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under mining-- 0.3 ha, Reclaimed area--2.1 ha, Area covered under waste-- 0.050 ha	Area covered under mining-- 0.3 ha, Reclaimed area--2.1 ha, Area covered under waste--0.050 ha	
9d	Scrutiny of Annual return on afforestation	10 plants	10 plants	

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	950 MT	950 MT
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value-- Rs. 3,000/- Ex. Mine Price-- Rs.3000/- Cost of Production-- -Rs.2137/-	Sale value--Rs. 3,000/- Ex. Mine Price-- Rs.3000/- Cost of Production--Rs.2137/-
9h	Scrutiny of Annual return on fixed assets	0	0
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

Date :

(Ch.Suseela)

Indian Bureau of Mines