

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/VZNR/MN-133/HYD

Mine code : 40APR20085

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Dr. B.S.Ganga Rao, Agent
Official with
Designation
- (iv) Date of Inspection : 25/01/2017
- (v) Prev.inspection date : 16/03/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VENKATESWARA(5.24 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village : GARBHAM
- Taluka : MERAKAMUDIDAM
- Post office : GARBHAM
- Pin Code : 535102
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station : BUDARAYAVALLASA
- (g) First opening date : 29/12/2011
- (h) Weekly day of rest : SUN
2. Address for : D.NO:2-7-281, EAST BALAJI STREET,
correspondance VIZIANAGARAM
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S SRI VENKATESWARA MINERALS
13-246, SEETHA NAGARAM,
TADEPALLY POST GUNTUR
GUNTUR ANDHRA PRADESH
Phone: 0866-2426728
FAX :

Owner : M/SSRI VENKATESWARA MINERALS
D.NO: 2-7-281, EAST BALAJI
STREET, VIZIANAGARAM.
VIZIANAGARAM ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	
1b	Exploration over lease area for geological axis 1 or 2	5.24 ha	3.0 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specific	RNG Exploration Services Expenditure incurred - Rs. 11,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Total mineralised area has been explored.
1e	Balance reserve as on 01/04/20	3362 MT (111) 32424 MT(122)	3362 MT (111) 32424 MT(122)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Total mineralised area has been explored.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Central portion of the old pit	Central portion of the old abandoned pit which is located in the central part of ML	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, 1.5 m	Yes, 1.5 m	
2c	Stripping ratio or ore to OB ratio	1:0.42	1:8	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	270 cu.m	5500 cu.m	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	The validity of the mining plan proposals were expired on 31.3.2016. Hence violation of Rule 13(1) has been pointed out to the party.
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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	2016 MT	1280 MT	
3c	Recovery of sailable/usable mineral from ROM production	80%	65%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	NIL	128 TONNES	
3g	Grade of sub grade mineral generation	N.A	<10 to 19% Mn	
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	NIL	NIL	
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	Yes, 1.5 m	Yes, 1.5 m	
3m	Total area covered under excavation/pits	0.82 ha	0.5 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1:8	
3o	Total area put in use under different heads at the end of year	2.35 ha	1.618 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12--2142 t, 2012-13--1935 t, 2013-14--1935 t, 2014-15--1982 t, 2015-16-2016 t	2011-12--574 t, 2012-13--3000 t, 2013-14--NIL t, 2014-15--2844 t, 2015-16-1080 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The validity of the mining plan proposals were expired on 31.3.2016. Hence violation of Rule 13(1) has been pointed out to the party.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, South East side of ML	Yes, South East side of ML	

4b	Location of topsoil, OB and mineral reject dumps	South East side of ML	South East side of ML	
4c	Number of dumps within lease area and outside of lease area	One dump	One dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Waste dump is at designated place.

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.	NIL	NIL	
5b	Area under backfilling of mined out area	N.A	N.A	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N.A	N.A	
5d	Total area fully reclaimed and rehabilitated	N.A	N.A	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The mine is not matured for reclamation.

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).	NIL	NIL	No proposals were made in the AMP
6b	Area available for rehabilitation (ha) .	NIL	NIL	
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	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NIL	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL	
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	Grade wise sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not Specific	22 to 28% Mn	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Grade wise sorting is being practiced to improve the grade

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	N.A	N.A	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, OB dump	Yes, OB dump	
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)	40	200	
8g	Survival rate	80%	90%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	There is a cashew plantation within the lease area , which looks greenary.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns up to date	Monthly and Annual returns up to date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Dr. B. S.Ganga Rao, Mines Manager and Geologist, DVRS Mallikarjuna, Mining Engineer	Dr. B. S.Ganga Rao, Mines Manager and Geologist, DVRS Mallikarjuna, Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under mining- 0.5 ha, Dump- 0.2 ha	Area covered under mining- 0.5 ha, Dump-0.2 ha	
9d	Scrutiny of Annual return on afforestation	200, 0.1 ha	200, 0.1 ha	

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	ROM-1660 T, Graded ore- 1080 T	ROM-1660 T, Graded ore- 1080 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs.4200/-, Ex.Mine price- Rs.4000/-, Cost of Production- Rs.2712/-	Sale Value- Rs.4200/-, Ex.Mine price-Rs.4000/-, Cost of Production- Rs.2712/-
9h	Scrutiny of Annual return on fixed assets	Rs.10,16,000/-	Rs.10,16,000/-
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 cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on
Rule 13(1)	28/02/2017		

Date :**(Ch.Suseela)**

Indian Bureau of Mines