

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/VZNR/MN-134/HYD

**Mine code :** 40APR20081

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. B.K.Singh, Agent  
Official with  
Designation
- (iv) Date of Inspection : 22/11/2017
- (v) Prev.inspection date : 22/10/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **R.CHINTALAVALLASA(14.261 H**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : VIZIANAGARAM  
Village : R.CHINTALAVALLASA  
Taluka : RAMBHADRAPURAM  
Post office : KONDAKENGUVA  
Pin Code : 539579  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 27/09/2008
- (h) Weekly day of rest :
2. Address for : R.CHINTALAVALLASA( V)  
correspondance : RAMBHADRAPURAM( M)  
VIZIANAGARAM DT.
3. (a) Lease Number : APR3135  
(b) Lease area : 14.26  
(c) Period of lease : 30  
(d) Date of Expiry : 03/09/2038
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : SANJAY MINING PVT.LTD  
R.CHINTALAVALLASA(V)  
RAMABHADRAPURAM(M)  
VIZIANAGARAM DT.  
VIZIANAGARAM ANDHRA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 12/08/2014  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	7	None	
1b	Exploration over lease area for geological axis 1 or 2	3 core bore holes	None	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	_____	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	0.532 ha	
1e	Balance reserve as on 01/04/20	73,790 tonnes	103430 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Lessee has not carried out exploration as proposed in the Mining Plan. Hence violation of Rule11(1) has been pointed out to the party.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	East West direction between two existing pits.	As proposed in the Mining Plan	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, OB and Ore	Yes, 2 benches in OB 3 benches in Ore	
2c	Stripping ratio or ore to OB ratio	_____	1:2	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	7283 m3	340 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	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	4979.5 tonnes	850 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	46%	46%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
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	Yes	No	

3k	Provision of mining machineries in mineral benches	Drilling machine-1, Excavator-1, Tippers-2	Excavator-1 Tippers-3
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3m	Yes, 3 m
3m	Total area covered under excavation/pits	1.933 ha	2.0 ha
3n	Ore to OB ratio for the pit/mine during the year.	_____	1:2
3o	Total area put in use under different heads at the end of year	3.062 ha	3.1 ha
3p	Production of ROM mineral during the last five year period as applicable	2012-13--5872 t, 2013-14--NIL, 2014-15--15504.30 t, 2015-16--9917.60 t, 2016-17--4979.50 t	2012-13--1129 t, 2013-14--NIL, 2014-15--NIL, 2015-16--400 t, 2016-17--850 t
3q	General remarks of inspecting officers on method of mining etc.	_____	_____

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, OB	Yes, OB	
4b	Location of topsoil, OB and mineral reject dumps	South West of ML area	South West of ML area	
4c	Number of dumps within lease area and outside of lease area	Two dumps	Two dumps 1- Active 1-Dead	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	One	One
4g	Number of dumps established.	One	One
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Retaining wall constructed
4i	Length of Retaining wall or garland drain all along dumps	495 x 1 x 1m	495 x 1 x 1m
4j	Number of settling ponds	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	_____	_____

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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.	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	

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5e General remarks \_\_\_\_\_  
of inspecting \_\_\_\_\_  
officers on \_\_\_\_\_  
backfilling and \_\_\_\_\_  
reclamation etc.

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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	Submitted	
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	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	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	250 plants	390 plants	
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)	Environmental parameters to be monitored.	Environmental parameters are being monitored.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	_____

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Mineral Conservation:

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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.	< 25 % Mn < 35% Mn	< 25 % Mn < 35% Mn
7d	Any beneficiation process at mines	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____

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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	Not Applicable	Not Applicable	
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)	250 plants	390 plants
8g	Survival rate	80%	80%
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	_____	_____

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Online Monthly and Annual Returns are being submitted in time	Online Monthly and Annual Returns are being submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. Birendra Singh, Mines Manager and Mining Engineer, Sri. Srinivasa Rao, Geologist	Sri. Birendra Singh, Mines Manager and Mining Engineer, Sri. Srinivasa Rao, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-2.0 ha, waste dump-1.0 ha	Area under mining-2.0 ha, waste dump-1.0 ha	
9d	Scrutiny of Annual return on afforestation	390 plants	390 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	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs.2500/- , COP-Rs.2311/- , Ex.Mine Price-Rs. 2500(<25%) Rs.2733(>25%)	Sale Value-Rs.2500/- , COP-Rs.2311/- , Ex.Mine Price-Rs. 2500(<25%) Rs.2733(>25%)
9h	Scrutiny of Annual return on fixed assets	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	Pumps	Pumps

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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
MCDR17	Rule 11(1)	12/12/2017	16/02/2018	MCDR17	Rule 11(4)	12/12/2017	
MCDR17	Rule 11(4)	12/12/2017		MCDR17	Rule 27(1)	12/12/2017	
MCDR17	Rule 27(1)	12/12/2017					

**Date :**

**(Ch.Suseela)**

Indian Bureau of Mines