

**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 : 22/10/2016
- (v) Prev.inspection date : 06/08/2015

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	3 CBH	Not drilled	
1b	Exploration over lease area for geological axis 1 or 2	04 CBH	NIL	Violation of rule 13(1) has been pointed out to the party.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specific	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.532 ha	0.532 ha	
1e	Balance reserve as on 01/04/20	103790 tonnes(122)	103790 tonnes(122)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	The Proposed exploration has not been carried out during the year 2014-15 and 2015-16. Hence violation of Rule 13(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	RL 290-278	RL 290-278	The Mine is not working from last 10 months.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, 2 in OB and 2 in Ore	Yes, 2 in OB and 2 in Ore	
2c	Stripping ratio or ore to OB ratio	1:3.5	1:3.5	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	4656.96 m3	274 m3	The Mine is not working from last 10 months.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The Mine is not working from last 10 months.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	9917.60 tonnes	400 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.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	AOTFM	AOTFM	
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	Yes	

3k	Provision of mining machineries in mineral benches	1 Excavator, 2 Tippers	1 Excavator, 2 Tippers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3m ht & 3m w in Ore, 5-6 m in OB	Yes, 3m ht & 3m w in Ore, 5-6 m in OB	
3m	Total area covered under excavation/pits	2.40 ha	1.93 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:2.74	NIL	
3o	Total area put in use under different heads at the end of year	3.062 ha	3.062 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12-6264 t, 201-13--5872 t, 2013-14--NIL, 2014-15--15504.30 t, 2015-16---9917.60 t	2011-12-1689 t, 201-13--1129 t, 2013-14--NIL, 2014-15--NIL t, 2015-16---400 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The mine is working under AOTFM Category.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste dump(OB+ waste)	Waste dump(OB+ waste)	
4b	Location of topsoil, OB and mineral reject dumps	SW part of ML	SW part of ML	
4c	Number of dumps within lease area and outside of lease area	One within ML	One within ML	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	western side	western side	
4e	Number of active and alive dumps.	One	One	
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.	Yes	Yes	
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	_____	_____	NIL

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.	No backfilling has been proposed during the ensuing Scheme period.
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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).	Yes	No	Violation of Rule 23 E(2) has been pointed out to the Lessee.
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	310 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)	Yes	Not carried out.	The mine is not working from last 10 months.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	NIL

 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 within lease area	Grade wise sorting within lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	25% to 35%	25% to 35%	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	The ROM ore is sorted, sized and screened to make it saleable. The Low grade ores are being blended with high grade ores thereby conserving the mineral.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil	No top soil is being generated.	
8b	Concurrent use or storage of topsoil	N.A	N.A	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste dump	Yes, waste 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 Nos	310 Nos	
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	_____	_____	The ML area is surrounded by Forest area with thick vegetation.

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	Mining Engineer cum Mines Manager- Sri.Sanjeev Kumar, Geologist- Srinivasa Rao	Mining Engineer cum Mines Manager- Sri.Sanjeev Kumar, Geologist- Srinivasa Rao	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under Pits-2.0 ha, Reclaimed area- NIL, Area covered under dumps- 1.0 ha	Area covered under Pits- 2.0 ha, Reclaimed area- NIL, Area covered under dumps-1.0 ha	
9d	Scrutiny of Annual return on afforestation	310 Nos	310 Nos	

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	400 t	400 t
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. mine Price-Rs.1700/-, Cost of Prodn-1577 t	Ex. mine Price-Rs.1700/-, Cost of Prodn-1577 t
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 cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	08/12/2016				
Rule 23E(2)	08/12/2016				

Date :**(Ch.Suseela)**

Indian Bureau of Mines