

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/VZNR/Mn-131/Hyd

Mine code : 40APR20076

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. Asok Konda, Nominated Owner & Sri. B. Dasaratha
Official with
Designation
- (iv) Date of Inspection : 24/01/2017
- (v) Prev.inspection date : 18/04/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHINARAVYAM(4.053 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : VIZIANAGARAM
Village : CHINARAVYAM
Taluka : MLRAKAMUDIDAM
Post office : BHIRIPURAM
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 01/03/2008
- (h) Weekly day of rest : SUN
2. Address for : M/S S.K.SARAWAGI & Co(P) Ltd
correspondance CHEEPURUPALLI (PO)
VIZIANAGARAM Dt,-535 128
3. (a) Lease Number : APR3130
(b) Lease area : 4.05
(c) Period of lease : 20
(d) Date of Expiry : 23/03/2027
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : SK SARAWAGI AND (P)CO LTD
VIZIANAGARAM ANDHRA
PRADESH
Phone:08952 83225 &83374
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 23/01/2014
Plan/Scheme of Mining Modif.approved Mining Scheme 30/03/2015

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	6 bore holes	None	Not working since 2015-16 due to water logged in the pit.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	6 Boreholes are proposed on the pit floor during the year 2015-16 to establish the reserves, as the pit already reached the limits of ML in all directions .
1e	Balance reserve as on 01/04/20	27239 (111) 31742(122)	27239 (111) 31742(122)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	6 Boreholes are proposed on the pit floor during the year 2015-16 to establish the reserves, as the pit already reached the limits of ML in all directions .

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between Sec D- D' and E-E'	NIL	The mine is not working since 2015-16 onwards due to water logged pit.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:1	1:1	

2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	37310 cu.m	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	The mine is not working since 2015-16 onwards due to water logged in the pit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	35271 MT	NIL	
3c	Recovery of sailable/usable mineral from ROM production	63.83%	Not applicable	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	<10% Mn	N.A	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	10-15% Mn	NIL	
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	Yes	Yes,1 PC-300	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 m	3 m	
3m	Total area covered under excavation/pits	2.40 ha	2.40 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1	1:1	
3o	Total area put in use under different heads at the end of year	4.055 ha	4.22 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12--1433 t, 2012-13--NIL, 2013-14--1998 t, 2014-15-5995 t, 2015-16--35271 t	2011-12--16560 t, 2012-13- 12200, 2013-14--47700 t, 2014-15-9263 t, 2015-16--NIL	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The mine is not working since 2015-16 onwards due to water logged pit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, OB dump	Yes, OB dump	
4b	Location of topsoil, OB and mineral reject dumps	North side of the pit	North side of the pit	
4c	Number of dumps within lease area and outside of lease area	One dump within the lease area	One dump within the lease area	
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	N.A	N.A	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The mine is not working since 2015-16 onwards due to water logged pit.

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.	BP- 20 & 23	Not carried out	

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	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The mine is not working since 2015-16 onwards due to water logged pit. Hence backfilling has not been taken up.

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	The mine is not working since 2015-16 onwards due to water logged pit.
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	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)	Yes	Carried out in 2016-17	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	The mine is not working since 2015-16 onwards due to water logged pit.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Yes	Below 25, 35% Mn	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	The mine is not working since 2015-16 onwards due to water logged pit.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	The present workings are at the bottom of the pit.

8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes, OB dump	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	No	The mine is not working since 2015-16 onwards due to water logged pit.
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	The mine is not working since 2015-16 onwards due to water logged pit.
8g	Survival rate	N.A	N.A	
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 mine is not working since 2015-16 onwards due to water logged pit.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	Annual Return for the year 2015-16 has been submitted. Monthly returns submitted up to date.	Annual Return for the year 2015-16 has been submitted. Monthly returns submitted up to date.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	The mine is not working since 2015-16 onwards due to water logged pit.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under pits- 2.40 ha, Area under dump- 0.70, 0.21 ha	Area covered under pits- 2.40 ha, Area under dump- 0.70, 0.21 ha	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	
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	NIL	NIL	
9h	Scrutiny of Annual return on fixed assets	Rs.155034/-	Rs.155034/-	
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