

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/VZNR/MN-04/HYD

**Mine code :** 40APR20029

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : N.R.S.KISHOR, Mines Manager, S.Naresh Kumar, Geologis  
Official with  
Designation
- (iv) Date of Inspection : 21/10/2016
- (v) Prev.inspection date : 08/03/2005

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SAIBABA-1**
- (b) **Registration NO.** : **IBM/732/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : VIZIANAGARAM  
Village : KOTHAKARA  
Taluka : MURAKA MUDIDAM  
Post office : BUDRAYVALSA  
Pin Code :  
FAX No. : NIL  
E-mail : NIL  
Phone : 08952- 83225, 83374
- (f) Police Station :
- (g) First opening date : 21/03/1987
- (h) Weekly day of rest : SUN
2. Address for : M/S S.K. SARAVAGI & CO (P) LTD  
correspondance PO:CHIPURAPALLI,  
DIST: VIZIANAGARAM.
3. (a) Lease Number : APR0254
- (b) Lease area : 8.05
- (c) Period of lease : 20
- (d) Date of Expiry : 01/06/2019
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : S.K.SARWAGI &CO (P)LTD  
 S.K. SARWAGI &CO (p)LTD PO  
 CHIPURA PALLI VIZIANAGARAM.  
 VIZIANAGARAM ANDHRA PRADESH  
 Phone:3225 3240  
 FAX :91 089522 3374.

Owner : SK SARAWAGI & CO.  
 SK SARAWAGI & CO.  
 CHIPURPALLI VILL&PO  
 VIZIANAGARAM DISTRICT  
 VIZIANAGARAM ANDHRA PRADESH  
 Phone:  
 FAX :

Agent : ASOK KONDA  
 S.K.SARAWAGI & CO(P) Ltd.  
 CHEEPURUPALLI VIZIANAGARAM  
 DT. VIZIANAGARAM ANDHRA  
 PRADESH  
 Phone:  
 FAX :

## Mining Engineer

Name : S.K. MISHRA., Full Time  
 Qualification : AMIE SECTION A&B  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	20/10/1993
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03/11/2003
	:	Mining Scheme rule 12 MCDR1988	07/10/2016

## 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	NIL	NIL	
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	1.375 HA	1.375 HA	
1e	Balance reserve as on 01/04/20	Proved-64,299 tonnes (111) Probable-127,871 tonnes(122)	Proved-64,299 tonnes (111) Probable-127,871 tonnes(122)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	About 1.375 ha area has to be explored to assess the total Reserves.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Proposal	In between Sec 6-6' to 10-10' RL 76	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	No Proposal	1:11	
2d	Quantity of topsoil generation in m3	No Proposal	NIL	
2e	Quantity of overburden generation in m3	No Proposal	32,450 cu.m	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	There are no proposals for the year 2015-16 as the Scheme of Mining was under process with IBM
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No Proposal	One	
3b	Quantity of ROM mineral production proposed	No Proposal	7055 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	69%	
3d	Quantity of mineral reject generation	No Proposal	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	_____	<10% Mn	
3f	Quantity of sub grade mineral generation.	_____	1669 T	
3g	Grade of sub grade mineral generation	_____	10-15% Mn	
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Manual Sorting	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NIL	
3j	Provision of drilling and blasting in mineral benches	No proposal	Yes	

3k	Provision of mining machineries in mineral benches	No Proposal	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	_____	Yes, 3m ht	
3m	Total area covered under excavation/pits	No Proposal	6.15 ha	
3n	Ore to OB ratio for the pit/mine during the year.	_____	1:11	
3o	Total area put in use under different heads at the end of year	_____	6.15 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12---19878 t, 2012-13---21585 t, 2013-14---NIL, 2014-15---NIL, 2015-16---NIL	2011-12---9900 t, 2012-13---13950 t, 2013-14---25295 t, 2014-15---12950 t, 2015-16---5390 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The mine is working under AOTFM Category.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	NIL	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	NIL	
4c	Number of dumps within lease area and outside of lease area	No Proposal	The quantity of waste generated will be utilised for back filling in the 7.5m barrier zone during the year 2016-17 and 2017-18.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	No Proposal	NIL	
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.	Not Applicable	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	N.A	N.A	
4j	Number of settling ponds	0	0	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Waste is being utilised for back filling

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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.	No proposal	NIL	
5b	Area under backfilling of mined out area	No Proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	

5e	General remarks of inspecting officers on backfilling and reclamation etc.			Back fillingis proposed in the 7.5m barrier zone during the year 2016-17 and 2017-18
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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 party.
6b	Area available for rehabilitation (ha) .	No Proposal	Not Applicable	
6c	afforestation done (ha).	No Proposal	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 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)	NIL	NIL	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Since there is no proposal during the year 2015-16, no comments to be offered.

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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	No Proposal	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	Manual sorting	
7c	Different grade of mineral sorted out at mines.	NIL	Below 25% Mn and 35% Mn	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Grade is being improved by manual sorting.

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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	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	Yes	
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)	NIL	NIL	
8g	Survival rate	N.A	N.A	
8h	Water sprinkling on roads to control airborne dust	NIL	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Nothing to highlight

#### 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	Sri. R. Ram Reddy, Mines Manager cum Mining Engineer, Sri. S. Naresh Kumar, Geologist	Sri. R. Ram Reddy, Mines Manager cum Mining Engineer, Sri. S. Naresh Kumar, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under Pits- 6.15 ha, Reclaimed area-NIL, Area covered under dumps-0.20 ha	Area covered under Pits- 6.15 ha, Reclaimed area-NIL, Area covered under dumps-0.20 ha	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	10-15% Mn , 1669 Mt	10-15% Mn , 1669 Mt
9f	Scrutiny of Annual return on ROM stock and/or graded ore	7055 Mt Below 25%	7055 Mt Below 25%
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs.3255/-, Ex. Mine Price- Rs.2571/- Cost of production- Rs.2231/-	Sale Value- Rs.3255/-, Ex. Mine Price-Rs.2571/- Cost of production- Rs.2231/-
9h	Scrutiny of Annual return on fixed assets	Rs. 155034/-	Rs. 155034/-
9k	Scrutiny of Annual return on mining machineries	Excavator-1, Loader-1, Tipper-5, Diesel Generator-1	Excavator-1, Loader-1, Tipper-5, Diesel Generator-1, water tanker-1

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**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