

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/FE-43/HYD

**Mine code :** 30APR11020

- (i) Name of the Inspecting : C\$10 ) Ch.Suseela  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. Y. Siva Kumar, Agent  
Official with  
Designation
- (iv) Date of Inspection : 11/02/2016
- (v) Prev.inspection date : 19/07/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : GUTUPALLI(SY.NO.782 & 873
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : GOTOPALLI
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 08515-227007
- (f) **Police Station** : BANGANAPALLI
- (g) **First opening date** : 03/05/2006
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : MINE OWNER, NEAR OLD BUS STAND,  
BANGANAPALLE-518124  
KURNOOL DISTRICT.
3. (a) **Lease Number** : APR2753
- (b) **Lease area** : 22.98
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 23/04/2026
4. **Mineral worked** : BARYTES Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : S.VENKATESHWARA RAO  
FLAT NO.202,PLOTNO.19,  
RADHIKA  
RESIDENCY,RD.NO2,JUBILEE  
HILLS KRISHNA  
NAGAR,HYDERABAD. KURNOOL  
ANDHRA PRADESH  
Phone:  
FAX :

Owner : S.VENKATESHWARA RAO,  
M/S.DHIGVIJAY MINERALS,FLAT  
NO.202, PLOT.NO.19,RADHIKA  
RESIDENCY,RD.NO. 2,JUBILEE  
HILLS,KRISHNA NAGAR,HYD.  
KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 28/10/2005  
Plan/Scheme of Mining : Modif.of approved Mining Plan 17/12/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	14 CBH	7 CBH 7 DTH	
1b	Exploration over lease area for geological axis 1 or 2	14CBH	7 CBH 7 DTH	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee Not Specific	Lessee Rs.5,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	About 10.92 ha	About 10.92 ha	
1e	Balance reserve as on 01/04/20	79, 304 tonnes	79, 304 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	About 50 percent area to be explored.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South East, North, North West	South East, North, North West	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Bench formation is under progress.	
2c	Stripping ratio or ore to OB ratio	1:0.43	1: 0.5	
2d	Quantity of topsoil generation in m3	No Proposal	NIL	
2e	Quantity of overburden generation in m3	11,731 tonnes	18, 900 tonnes	18,900 tonnes waste consists of Sand Stone/ Quartzite and Ferrugenous Shale

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work is going on as per the proposals of the approved mining plan.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Four Pits	There is a deviation in number of pits. Hence, violation of rule 13(1) is being pointed out to the party.
3b	Quantity of ROM mineral production proposed	32, 754 tonnes	30,400 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	58%	80%	
3d	Quantity of mineral reject generation	6325 tonnes	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	(-45 TO + 30% Fe)	Not Applicable	
3f	Quantity of sub grade mineral generation.	No Proposal	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.	No Proposal	NIL	

3j	Provision of drilling and blasting in mineral benches	Yes, Jack hammaer drilling & Blasting	Jack hammaer drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Excavator, tippers	Excavator, breaker, JCB, dumper, water tanker etc.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	3.59 ha	About 2.29 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.43	1: 0.5	
3o	Total area put in use under different heads at the end of year	6.12 ha	About 3.8 ha	
3p	Production of ROM mineral during the last five year period as applicable	2010-11--- 23,654 tonnes, 2011-12---No proposal, 2012-13---No proposal, 2013-14--- 23,838 tonnes, 2014-15--- 32,754 tonnes	2010-11---2097tonnes, 2011-12---5727 t, 2012- 13---12903 t, 2013-14--- -NR, 2014-15---30,400 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out under A Other than fully mechanised 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)	Yes	Yes	

4b	Location of topsoil, OB and mineral reject dumps	East side	East side	
4c	Number of dumps within lease area and outside of lease area	Two dumps within the lease area	Two dumps within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	East Side	East Side	
4e	Number of active and alive dumps.	Two	Two	
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	25m x 1.5m x 0.5m	300m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Two waste dumps are being maintained as per proposals in the approved mining plan.

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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	Not yet matured	
5b	Area under backfilling of mined out area	N.A	N.A	

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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.	_____	_____	Area not matured for reclamation.

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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).	_____	Not submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	0.075 ha	N.A	
6d	No. of saplings planted during the year	100	1000	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	Rs. 6,000/-	Rs.1,00,000/-	
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.	_____	_____	PMCP operations are being carried out as per the proposals of the approved PMCP.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within the lease area	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual & Mechanical	Manual & Mechanical	
7c	Different grade of mineral sorted out at mines.	lumps, pebbles and fines	Lumps--40-80mm & 20-40 mm Pebbles--8-20 mm Fines--< 6 mm	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Manual grading is being practiced.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Negligible quantity of top soil is anticipated and will be used for plantation.	Very less quantity of top soil is being generated and used for plantation.	

8b	Concurrent use or storage of topsoil	Negligible quantity of top soil is anticipated and will be used for plantation.	Very less quantity of top soil is being generated and used for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	
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	_____	_____	Nothing to highlight.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	_____	The Lessee is submitting Monthly and Annual Returns regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished.	No Mining Engineer was appointed. Geologist--- Sri. Ch. Venkataramaiah Mines manager--Sri. A. Sridhar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under mining is furnished as 1.50 ha	Actual Area covered under mining is about 2.29 ha	Violation is pointed out for furnishing incorrect information.
9d	Scrutiny of Annual return on afforestation	No of plants planted is furnished as 2000 (Cumulative)	Data seems to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject is furnished as 18,900 tonnes	Actually it is waste quantity.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	30,390 tonnes	30,400 tonnes	More or less same.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex,.Mine price- Rs. 1000/-(Lumps) Rs. 500/-(fines) Cost of production- Rs. 376.5/-	Data seems to be correct.	
9h	Scrutiny of Annual return on fixed assets	Rs.1,53,268/-	Data seems to be correct.	
9k	Scrutiny of Annual return on mining machineries	Excavator, tipper	Data seems to be correct.	

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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
Rule 13(1)	12/04/2016				
Rule 23E(2)	12/04/2016	22/06/2016			
Rule 45(5)(b)	12/04/2016	22/06/2016			

**Date :**

**(Ch.Suseela)**

Indian Bureau of Mines