

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

Mining Plan Modification REPORT

Hyderabad regional office

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

Mine code : 30APR11020

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : G Sreeramulu, QP
Official with
Designation
- (iv) Date of Inspection : 13-FEB-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : GUTUPALLI(SY.NO.782 & 873)
- (b) **Registration NO.** : IBM/4844/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : GOTOPALLI
- Taluka : DHONE
- Post office : GUTUPALLI
- Pin Code : 518598
- FAX No. :
- E-mail : dhigvijay9@gmail.com
- Phone : 08515-227007
- (f) **Police Station** : BANGANAPALLI
- (g) **First opening date** : 03-MAY-06
- (h) **Weekly day of rest** : SUN
2. **Address for** : MINE OWNER, NEAR OLD BUS STAND,
correspondance BANGANAPALLE-518124
KURNOOL DISTRICT.
3. (a) **Lease Number** : APR2753
- (b) **Lease area** : 22.98
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 23-APR-26
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-OCT-05
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	17-DEC-13
	:	Mining Scheme rule 12 MCDR1988	21-APR-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	29 No. (10 Core +19 DTH	13 core bore hole and 8 DTH	
1b	Exploration over lease area for geological axis 1 or 2	8.24 Ha area to be explored	Yes entire mineralised area has been explored	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Lessee, So far Rs. 13,02,012 reported to be spent on exploration.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	About 10.92 ha	
1e	Balance reserve as on 01/04/20		111- 9,26,175 Tonnes 211 - 3,42,712 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Entire mineralised area has been explored in G1 scale. Mineral is of vein type with irregular shape. Strike is in North 40 deg West to North-South direction. Dip of the deposit is vary from 70 deg West to almost vertical.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 1 in Section B-B' and Pit-4 in section G-G'	Development is being carried out within approved proposals.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	3 benches in OB and 2 benches in Ore	3 benches in OB and 1 bench in Ore	

2c	Stripping ratio or ore to OB ratio	1: 0.4	1:0.06
2d	Quantity of topsoil generation in m3	No proposal	NIL
2e	Quantity of overburden generation in m3	46288 Tonne	1550 Tonne
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations are being carried out by maintaining bench height of 6 meters

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	
3b	Quantity of ROM mineral production proposed	114007 Tonne	23560 Tonne	
3c	Recovery of sailable/usable mineral from ROM production	51.62%	50%	
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	MEchanised method adopted for segregation	Mechanised method adopted for segregation
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, Drilling is carried out by 33 mm dia Jack Hammer drilling machine, and Blasting is carried out by high explosives ANFO with cast booster.	Yes, Drilling and Blasting is being carried out as per proposals
3k	Provision of mining machineries in mineral benches	Yes, Excavator 22.1 cum capacity and Tippers- 10 Tonne capacity	Yes, Excavator and Tippers are being used as proposed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6m bench ht is suitable using excavator of 2.1 cum capacity	Yes, 6m bench ht is suitable using 2.1 cum excavator.
3m	Total area covered under excavation/pits	3.27 ha	2.20 ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.4	1 : 0.06
3o	Total area put in use under different heads at the end of year	7.26 ha	Totsal area put to use within approved proposals i.e. 7.0 Ha

3g	General remarks of inspecting officers on method of mining etc.	Mechanised method of mining is being practised using HEMM with deep hole drilling and blasting. By maintaining bench height of 6 meters and width more than the height.
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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, OB dumps to be developed separately	Yes, OB dumps developed.	
4b	Location of topsoil, OB and mineral reject dumps	OB dumps on SE side of ML area	OB dumps at SE part of ML area N 15°26' 22.60" to 15°26' 24.14" E 78°4' 2.63" to 15°4' 3.01"	
4c	Number of dumps within lease area and outside of lease area	Two OB dumps within lease area	Two OB dumps within 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.	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.	NIL	Existing Toe wall has been maintained	
4i	Length of Retaining wall or garland drain all along dumps	NIL	150m toe wall 80m Garland drian maintained	

4j	Number of settling ponds	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	_____	Two waste dumps are there in the lease area and is well protected by retaining wall and garland drain.

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)	No proposal	NIL	
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	No area is matured for reclamation, hence no comments.	

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).	Yearly report to be submitted	Yes, submitted	

6b	Area available for rehabilitation (ha) .	No proposal	NIL
6f	Any other method of rehabilitation	No proposal	NIL
6g	Cost incurred on watch and care during the year	No proposal	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	NIL

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100	200
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.075 HA	0.15 HA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental parameters are being monitored quarterly.	Environmental parameters are to be monitored quarterly.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	Plantation is being done to improve aesthetic beauty.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting is to be carried out.	Grade wise sorting is being done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	+45 of Fe	+45 of Fe	

7d	Any beneficiation process at mines	Crushing and Screening only to be adopted	Crushing and screening is adopted
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	MEchanised Crushing and screening is being adopted to seperate different grade of ore.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Devoid of topsoil (float iron ore)	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Two Waste dumps are there, no mineral reject / Soil dumps	Only Two Waste dumps are there	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100	200
8g	Survival rate	60%	60%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement is to be provided to arrest the dust	water sprinkling arrangement done with 5000 liters water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	Plantation is being carried out to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly & Annual returns to be submitted regularly	Returns are being submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge Sri S.V.R.M.V. PRASAD Geologist in charge Sri CH VENKATA RAMANA	Mining Engineer in charge Sri S.V.R.M.V. PRASAD Geologist in charge Sri CH VENKATA RAMANA	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Covered under current (O/C) Workings : 0.6 Ha ii) Reclaimed/Rehabilitated : 2.46 Ha (iii) Used for waste disposal : 0.065 ha (iv) Occupied by plant, buildings, residential, welfare buildings & roads : 0.429 (v) Work under progressive mine closure plan: 15.845 Ha	i) Covered under current (O/C) Workings : 0.6 Ha ii) Reclaimed/Rehabilitated : 2.46 Ha (iii) Used for waste disposal : 0.065 ha (iv) Occupied by plant, buildings, residential, welfare buildings & roads : 0.429 (v) Work under progressive mine closure plan: 15.845 Ha
9d	Scrutiny of Annual return on afforestation	Nil	100
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	i. ROM ore : 6112 MT Lumps- Below 55% Fe : 39515 MT Fines Below 55% Fe : 450 MT	More or less as reported by lessee.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EMP: Lumps- Below 55% Fe : Rs. 1000.00 Fines Below 55% Fe : Rs. 450 COP : Rs. 460.00	As reported by Lessee

9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Compressor with Jack hammer Drill	Excavator, Jack hammer with Compressor and Tippers are being deployed.

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

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines