

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KNL/FE-71/HYD

Mine code : 30APR11038

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Viswanath Balkishan, Managing Partner
Official with
Designation
- (iv) Date of Inspection : 18/02/2019
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GUTUPALI(19.94 HA)**
- (b) **Registration NO.** :
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **KURNOOL**
- Village : **GUTUPALLI**
- Taluka : **BETHAMCHERLA**
- Post office : **GUTUPALLI**
- Pin Code : **518217**
- FAX No. : **040-23043388**
- E-mail : **KISHAN13536@YAHOO.CO.IN**
- Phone : **04023043388**
- (f) **Police Station** : **BETHAMCHERLA**
- (g) **First opening date** : **01/12/2009**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **PLOT NO.50,MADINAGUDA,**
correspondance **SERILINGAMPALLI,RANGAREDDY DISTRICT-500049**
3. (a) **Lease Number** : **APR2792**
- (b) **Lease area** : **19.94**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **05/04/2029**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : M/S. GUTUPALLI MINING COMPANY
PLOT NO.50, AVANTHI ENCLAVE,
MADINAGUDA, SERILINGAMPALLI
RANGAREDDY RANGAREDDY
TELANGANA
Phone: 04023043388
FAX : 040-23043388

Owner : GUTUPALLY MINING COMPANY
PLOT NO.50, MADINAGUDA
SERILINGAMPALLI RANGAREDDY-
500049 RANGAREDDY TELANGANA
Phone: 040-23043388
FAX : 04023043388

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 22/02/2013
Mining Scheme rule 12 MCDR1988 28/05/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Drilled 20 Nos DTH bore holes for 407m	All the 20Nos DTH BHs not accepted as BH points are not saved and records of bore holes are not maintained. Violation issued for 11(1) of MCDR-2017 on 22.03.2019.
1b	Exploration over lease area for geological axis 1 or 2	17.13 Ha	G1-2.81 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		20 DTH bore holes 407 m- Rs 134310.00, As reported by Lessee	All the 20Nos DTH BHs not accepted as BH points are not saved and records of bore holes are not maintained.
1d	Balance area to be explored to bring Geological axis in 1 or 2	17.13 Ha	Nil	Violation issued for 11(1) of MCDR-2017 on 22.03.2019.
1e	Balance reserve as on 01/04/20	48170 tonnes after deducting 2015-16 to 2017-18 proposed production from reserves estimated as on 01.04.2015.	91903 tonnes as on 31.03.2018	
1f	General remarks of inspecting officers on geology, exploration etc			The iron ore deposit is associated with Ferruginous Quartzite and Shale. The iron ore ROM needs further segregation. All the 20Nos DTH BHs not accepted as BH points are not saved and records of bore holes are not maintained.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1709335 to N 1709387,E 181588 to E 181633 (Western Part of Lease Area)-Pit-1 (Western Part of Lease Area)-Pit-1 N 1709315 to N 1709350, E181775 to E181850 (Central Part of Lease Area) N 1709315 to N 1709350, E181775 to E181850 (Southern Part of Lease Area) (Central Part of Lease Area) N 1709180 to N 1709240, E 181800 to E181860 (Southern Part of Lease Area)	N1709335 to N 1709387,E 181588 to E 181633 (Western Part of Lease Area)-Pit-1 N 1709315 to N 1709350, E181775 to E181850 (Central Part of Lease Area) N 1709180 to N 1709240, E 181800 to E181860 (Southern Part of Lease Area)	Carrying as proposed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Benches have been developed only in mineralised area	
2c	Stripping ratio or ore to OB ratio	1:0.87	1:1.22	15742 tonnes intercalated waste generated for producing 12880 tonnes of Iron Ore
2d	Quantity of topsoil generation in m3	No proposal as the proposed area is already broken up earlier and already benches have been developed in ore..	Nil	
2e	Quantity of overburden generation in m3	17461 tonnes(Interca lated Waste)	15742 tonnes(Intercalated Waste)	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	3 nos	3 nos.	In western pit 3 benches have been developed. In central pit only one bench has been developed (In Float ore), In southern pit three benches have been developed.
3b	Quantity of ROM mineral production proposed	20000 tonnes	12880 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	20000 tonnes	12880 tonnes	
3d	Quantity of mineral reject generation	Nil	Nil	15742 tonnes of intercalated waste generated.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	Nil, Thresh hold value Fe%-35%	
3f	Quantity of sub grade mineral generation.	Not proposed	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not carried out	
3j	Provision of drilling and blasting in mineral benches	Depth of hole- 3.3, Burden- 1.5m, Spacing- 2m Series blasting with parallel rows, ANFO and Slurry Explosive, Millisecond delay detonator relay	Depth of hole- 3.3, Burden- 1.5m, Spacing- 2m ANFO and Slurry Explosive, Millisecond delay detonator relay used to reduce vibration	

3k	Provision of mining machineries in mineral benches	Excavator(1.1m3)-2nos, Wheel Loader(1.7m3)-1no Drilling machine-83mm dia-1no Tipper-20 tonners-2nos	Excavator(1.1m3)-1nos, Wheel Loader(1.7m3)-1no Drilling machine-83mm dia-1no Tipper-20 tonners-1nos Drilling machine-83mm dia-1no	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m	Boom height of the excavator (1.1 m3) is suitable for deployment at bench height of 3 m.	
3m	Total area covered under excavation/pits	3.22 Ha	1.90 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.87	1:1.22	15742 tonnes intercalated waste generated for producing 12880 tonnes of Iron Ore
3p	Production of ROM mineral during the last five year period as applicable	2013-14=13500 tonnes, 2014-15- 0 tonnes, 2015-16-20000 tonnes 2016-17-20000 tonnes 2017-18-20000 tonnes	2013-14=13530 tonnes, 2014-15=13486 tonnes, 2015-16= 2242 tonnes. 2016-17 = 1145 tonnes. 2017-18-12880 tonnes	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only OB dump proposed	OB dumping has been done	
4b	Location of topsoil, OB and mineral reject dumps	OB dump-N 1709183 to 1709263 E 181437 to 181535	OB dumping carried out within the proposed area	
4c	Number of dumps within lease area and outside of lease area	Within the ML- 2nos	Within the ML-2nos	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL	Out side the UPL	
4e	Number of active and alive dumps.	1 active and one dead	1 active and one dead	
4f	Number of dead dumps.	1no	1no	
4g	Number of dumps established.	2 nos dump	2 nos dump	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Not carried out	Violation issued for not carrying out PMCP work u/r 11(1) of MCDR-2017
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall-48m X 1.5m X 1m Garland drain-53m X 1m X 1m	Not carried out	Violation issued for not carrying out PMCP work u/r 11(1) of MCDR-2017
4j	Number of settling ponds	No proposal	No settling pond	

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	No part of the mining lease is completely exhausted of ore.
5b	Area under backfilling of mined out area	No proposal	Nil	No part of the mining lease is completely exhausted of ore.
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	No part of the mining lease is completely exhausted of ore for reclamation and rehabilitation.

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted in time	Not submitted	Violation issued u/r 26(2) of MCDR-2017.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	No part of the mining lease area is matured for rehabilitaion.
6c	afforestation done (ha).	0.553 Ha	0.6 Ha	
6d	No. of saplings planted during the year	850 nos	850 nos	35 % survival rate
6f	Any other method of rehabilitation	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	No part of the mining lease area is matured for backfilling.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Not carrying out.	Violation issued under rule 26(1) of MCDR-2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Whatever is the production proposal i.e 20000 tonnes	10474 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of sorting.		Manual for separation of intercalated waste.
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil.	Mining proposal is submitted on already broken up area and directly on mineralised float ore area.
8b	Concurrent use or storage of topsoil	No proposal	No top soil produced.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Over burden dump proposed (Intercalated waste)	Over burden (Intercalated waste) dumping carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal as no part of the lease area is completely exhausted of ore.	Nil	Over burden (Intercalated waste) is dumped at one place.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Retaining wall and garland drain proposed along dump	Not carried out	Violation issued u/r 11(1) of MCDR-2017.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		During the period from 2015-16 to 2017-18 a total of 2550 nos sapplings have been planted and the average survival rate is 30% to 35%.	
8g	Survival rate		35%	
8h	Water sprinkling on roads to control airborne dust	Proposed	carrying out by deploying water tanker fitted with water sprinkler	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time and regularly	Submitted in time and regularly	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME-DARANGULA NARAYANAPPA Geologist-Not appointed	Mining Engineer-Not appointed Geologist-Not appointed	Violation under rule 55(1)(3)(iv) of MCDR-2017 issued for not appointing Mining Engineer and Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Detailed break up given in the annual return		
9d	Scrutiny of Annual return on afforestation	850 nos	850 nos	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil as reported by lessee	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock-27846 tonnes	ROM stock-27846 tonnes as reported by lessee	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value/tonne(<Fe%55)-Rs500.00/tonne	The sale price of Rs 500.00 / tonne for iron ore lumps (Fe%<55%) is less than the average sale price published by IBM in respect of Andhra Pradesh State for iron ore lumps (Fe%<55%) during 2017-18 i.e Rs 789.25/tonne.	Letter issued to state DMG regarding the issue and copy marked to principal secretary of the state.

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
MCDR17 Rule 11(1)	26/03/2019				
MCDR17 Rule 26(1)	26/03/2019				
MCDR17 Rule 26(2)	26/03/2019				
Rule 45(7)	26/03/2019				
MCDR17 Rule 55(1)(3)	26/03/2019				

Date :

(S K MUDULI)

Indian Bureau of Mines