

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

**MCDR inspection REPORT
Hyderabad regional office**

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

Mine code : 30APR11038

- (i) Name of the Inspecting : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI V.BALAKISAN** MANAGING PARTNER
Official with
Designation
- (iv) Date of Inspection : 16/10/2016
- (v) Prev.inspection date : 06/11/2015

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 :
Taluka :
Post office :
Pin Code :
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	Proposed to drill nine bore hole to a depth of 20.0 meters each	Eight bore holes were drilled to a depth of 20.0 meters each	Due to some machinery problem and water loss during drilling the desired penetration /depth could not be achieved
1b	Exploration over lease area for geological axis 1 or 2	Geological Axis 1	Geological Axis 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	RS 371432	RS 371432	NIL
1e	Balance reserve as on 01/04/20	Proved (111) 88170 tonnes Feasibility mineral resources ((211) 18450 tonnes Reconnaissance (334) 46039 tonnes Total =152659 tonnes	Proved (111) 105922 tonnes Feasibility mineral resources ((211) 18450 tonnes Reconnaissance (334) 46039 tonnes Total =170417 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	20000 tonnes of Iron Ore	2242 tonnes of Iron Ore	Due to lack of demand production decreased

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Between E 181503 toe 181579 - N1709381 to N 1709412 , (Proposed pit 1) E181575 to E 181631,N170937 7 to N1709420,R.L from 461 to R.L476,Length= 78mxxWidth=20m , (Proposed pit 2) E 181723 to E181771R.L.491 to R.L. to R.L.504,Length =39mxxWidth=28m (Float Ore)N 1709408 to N1709455 R.L.from 465 toR.L.475,Leng th=110mxxWidth3 3m An areaof 0.23 hect earmarked for dumping in South Western side of the lease area.	Pit no 1 formed in the proposed area Length 100meters (North to South),Width 95 meters ,(Eastto West) Hight =9.0 meters	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No seperate benches were proposed in top soil,o.b ,Three benches were proposed in mineral	Three benches were formed in pit nol.dimensions are :1) Length=50.0meters Width=10meters(North-South)xHight=2.0meters,2)Length=50.0meters(WEast -West) Width=10meters(North-South)Hight=2.5meters,3) Length=40.0meters Width=10meters(North-South)xHight=1.5meters In pit no 2) one bench was formed in o.b.dimensions are lenght=75.0meters (North - South)widthth=10meters(E ast-West)Hight=3.0 meters, One bench was formed in ore dimensions are Length=110.0meters Width=20meters(North-South)xHight=2.0meters	NIL

2c	Stripping ratio or ore to OB ratio	1:1.41	2242:979=2.29:1	NIL
2d	Quantity of topsoil generation in m3	No proposals	Not generated	NIL
2e	Quantity of overburden generation in m3	14145	489.5	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Proposed production is 20,000tonnes Due to lack of demand 2242 toneesw of Iron Ore produced	Proposed production is 20,000tonnes Due to lack of demand 2242 toneesw of Iron Ore produced	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits were proposed for production	Two pits were formed for production	NIL
3b	Quantity of ROM mineral production proposed	20000 tonnes of Iron Ore proposed	2242 tonnes were produced	Due to lack of demand 2242 tonnes of Iron Ore was produced
3c	Recovery of sailable/usable mineral from ROM production	Ferrugenous Quartzite with Iron Ore reef 45%, Ferrugenous Shale with float Iron Ore16%	Ferrugenous Quartzite with Iron Ore reef 45%, Ferrugenous Shale with float Iron Ore16%	NIL
3d	Quantity of mineral reject generation	No proposals were made in the Approved Sheme of Mining	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No proposals were made in the Approved Sheme of Mining	NIL	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION.

3f	Quantity of sub grade mineral generation.	No subgrade mineral generation was proposed in the Approved Scheme of Mining	NIL	NIL
3g	Grade of sub grade mineral generation	No subgrade mineral generation was proposed in the Approved Scheme of Mining	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method of adopted for segregating ROM	Manual method of adopted for segregating ROM	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals were made in the Approved Scheme of Mining	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Proposed for drilling & blasting	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS.	NIL
3k	Provision of mining machineries in mineral benches	Proposed for excavators & Tippers	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION.	NIL

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height is 3.0m, Width is 6.0m	Three benches were formed in pit no.1 dimensions are :1) Length=50.0meters Width=10meters(North-South)xHeight=2.0meters,2) Length=50.0meters(WEast-West) Width=10meters(North-South)Height=2.5meters,3) Length=40.0meters Width=10meters(North-South)xHeight=1.5meters In pit no 2) one bench was formed in o.b.dimensions are length=75.0meters (North-South)widthth=10meters(East-West)Height=3.0meters, One bench was formed in ore dimensions are Length=110.0meters Width=20meters(North-South)xHeight=2.0meters	NIL
3m	Total area covered under excavation/pits	0.6282 Hect	1.90 Hectars (cumulative)	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:1.41=20000:28,290	2.29:1 =2242: :979	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION.
3o	Total area put in use under different heads at the end of year	Workings=0.68 hect,waste dump=0.1350,Mineral stock=0.0700 hect,plantation=0.5740hect	Workings 1.90 hectars,Waste dumps 0.65hectars, plantation 0.50hectars	NIL
3p	Production of ROM mineral during the last five year period as applicable	1)2011-12=13306 tonnes,2)2012-13=13500 tonnes,3)2013-14=13500 tonnes,4)2014-15= 0 tonnes,5)2015-16=20000 tonnes	1)2011-12=5727 tonnes,2)2012-13=12883 tonnes,3)2013-14=13530 tonnes,4)2014-15=13486 tonnes,5)2242 tonnes	NIL

3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION 2242 tonnes were produced
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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)	AS the proposed working benches are comes in already broken area hence there is no generation of top soil proposed . o.b and waste 28290 tonnes wasproposed	979 tonnes of waste generated during the year cumulative wasts is 21546 tonnes available in the area earmarked for the purpose	NIL
4b	Location of topsoil, OB and mineral reject dumps	South Western side of the M.L.area no mineral reject dumps are proposed	South Western side of the M.L.area no mineral reject dumps are proposed	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond ultimate pit limit	Beyond ultimate pit limit	NIL
4e	Number of active and alive dumps.	One active dump is there	One active dump is there	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	One dump established	One dump established	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed during the year	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	Not proposed during the year	NIL	NIL

4j	Number of settling ponds	Not proposed	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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 proposals were made in the Approved mining plan	M.L. was granted in the year 2009. Mining operations were commenced on 08.06.2009 and mining operations are continued .no part or full extraction of mineral was completed in this m.l.area	NIL
5b	Area under backfilling of mined out area	No proposals were made in the Approved mining plan	M.L. was granted in the year 2009. Mining operations were commenced on 08.06.2009 and mining operations are continued .no part or full extraction of mineral was completed in this m.l.area	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals were made in the approved mining plan	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Afforestation on dumps proposed over an area of 0.553hect 884plants were proposed	900 plants were planted as per the proposals	NIL
6b	Area available for rehabilitation (ha) .	No proposals were made in the Approved mining plan	NIL	Area is not matured for rehabilarion
6c	afforestation done (ha).	884 plants proposed over an area of 0.553 hect	As per the proposals 900 plants were planted over an area of 0.56 .0 hectars	NIL
6d	No. of saplings planted during the year	884 Plants proposed to plant over an area of 0.553 hectars	As per the proposals 900 plants were planted over an area of 0.56 .0 hectars	NIL
6e	Cumulative no .of plants	1000 PLANTS	1000 PLANTS	NIL
6f	Any other method of rehabilitation	No proposals were made in the Approved minimngplan	NIL	NIL
6g	Cost incurred on watch and care during the year	No proposals were made in the Approved mini8ng plan	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals were made in the Approved mining plan	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals were made in the Approved mining plan	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposals were made in the Approved mining plan	NIL	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals were made in the Approved mining plan	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals were made in the Approved mining plan	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals were made in the Approved mining plan	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals were made in the Approved mining plan	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals were made in the Approved mining plan	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Not carriedout	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral will be crushed as per the buyer"s requirement	No mineral was sold to buyers during the year	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	NIL
7c	Different grade of mineral sorted out at mines.	No proposals were made in the Approved Scheme of Mining	NIL	NIL
7d	Any beneficiation process at mines .	No proposals were made in the Approved Scheme of Mining	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil is expected to be generated and no proposals are given in the prsent Scheme period	NIL	NIL
8b	Concurrent use or storage of topsoil	No topsoil is expected to be generated and no proposals are given in the prsent Scheme period	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No seperate dumpsfor overburden waste rock, rejects & fines are proposed in the present Scheme period	NIL	NIL

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals are made in the present Scheme period	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals are made in the present Scheme of Minimng period	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	884 Sapplings are proposed to plant over an area of 0.553 hctars along the safety barrier zone for the year 2015-16	900 sapplings were planted on the proposed area 0.554 hect during the year 2015-16	NIL
8g	Survival rate	90%	90%	NIL
8h	Water sprinkling on roads to control airborne dust	Sprinkling of water on road to control airborn dust thro8gh water tanker proposed	Through one watwer tanker lessee has carrriedout water sprinkling on mine roads	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns upto september 2016, AnnualRet urn for the year 2015-16 received through online on 06/07/2016	Found in order	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	SRI K. PRABHAKARREDDY Mining Engineer, SRI K. ANILKUMAR Geologist	-	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under opencast mining operations are 1.90 hectares, Area covered under waste dumps 0.6750hectars	Area covered under opencast mining operations are 1.90 hectares, Area covered under waste dumps 0.6750hectars	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION 2242 TONNES PRODUCED
9d	Scrutiny of Annual return on afforestation	900 no s sapplings were planted during the year 2015-16. with in the M.L.area survival rate indicated as 50%	More the 1000sapplings were plated with in the M.L.area available	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Open Cast Workings opening stock=20929.00 production= 2242.000 Closing stock= 23171.tonnes	Open Cast Workings n opening stock=20929.000 production= 2242.000 Closing stock= 23171.tonnes	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	For lumps RS 700/tonnes, Fines =0 COST OF PRODUCTION Item Cost Per Tonne (in .)) (i) Direct Cost 574.97 (a) Exploration 1.82 (b) Mining 573.15 (c) Exploration 1.82 (b) Mining 573.15 (c) Beneficiation(Mechanical Only) 0.00 (ii) Over-head cost 43.82 (iii) Depreciation 11.42 (iv) Interest 0.00 (v) Royalty 0.00 (vi) Taxes 0.00 (vii) Dead Rent 0.00 (viii) Others (specify) 0 73.71 Depreciation 11.42 (iv) Interest 0.00 (v) Royalty 0.00 (vi) Taxes 0.00 (vii) Dead Rent 0.00 (viii) Others (specify) 0 73.71 Total 703.92	For lumps RS 700/tonnes, Fines =0 COST OF PRODUCTION Item Cost Per Tonne (in .)) (i) Direct Cost 574.97 (a) Exploration 1.82 (b) Mining 573.15 (c) Beneficiation(Mechanical Only) 0.00 (ii) Over-head cost 43.82 (iii) Depreciation 11.42 (iv) Interest 0.00 (v) Royalty 0.00 (vi) Taxes 0.00 (vii) Dead Rent 0.00 (viii) Others (specify) 0 73.71 Total 703.92	NIL
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9h	Scrutiny of Annual return on fixed assets	1. Value of Fixed Assets (in .) 102400 (in respect of the mine, the mine, beneficiation plant, mine work-shop, power and water installation) (iv) Capitalised Expenditure such as pre-production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Income Tax Act) 128000 0 0 25600 102400 0 Total 128000 0 0 25600 102400 0	1. Value of Fixed Assets (in .) 102400 (in respect of the mine, mine work-shop, power and water installation) (iv) Capitalised Expenditure such as pre-production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Income Tax Act) 128000 0 0 25600 102400 0 Total 128000 0 0 25600 102400 0	NIL
9k	Scrutiny of Annual return on mining machineries	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION.	NO MECHANIZATION METHOD OF MINING WAS CARRIED OUT DUE TO LACK OF MARKET DEMAND. MINE OPERATED BY MANUAL MEANS. HENCE LESS PRODUCTION.	NO DESPATCHES DUE TO LACK OF DEMEND

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
Rule 47	27/01/2017				
Rule 48	27/01/2017				

Date :**(A.Prabhakar Rao)**

Indian Bureau of Mines