

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/FE-63/HYD

Mine code : 30APR11028

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. Veeru Goud, Son of Lessee
Official with
Designation
- (iv) Date of Inspection : 12/02/2016
- (v) Prev.inspection date : 17/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOTHAPALLI(13.606 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **KURNOOL**
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone : **9866162884**
- (f) Police Station : **BETHAMCHERLA**
- (g) First opening date : **01/04/2004**
- (h) Weekly day of rest : **SUN**
2. Address for : **Sri.M.Nagaiah Goud,H.No.25-53,Upstairs,**
correspondance **Gooty Road,Kothapeta,Dhone-518 222**
3. (a) Lease Number : **APR2690**
- (b) Lease area : **13.61**
- (c) Period of lease : **20**
- (d) Date of Expiry : **06/02/2022**
4. Mineral worked : **DOLOMITE** Associated
IRON ORE Main

5. Name and Address of the

Lessee : M.NAGAI AH GOUD
25/53, UPSTAIRS, GOOTY
ROAD KOTHAPETA DHONE
KURNOOL ANDHRA PRADESH
Phone:9866162884
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	06/07/2001
Plan/Scheme of Mining		Modif.of approved Mining Plan	30/05/2008
		Modif.of approved Mining Plan	15/01/2013
		Mining Scheme rule 12 MCDR1988	22/08/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	12 TRENCHES 12 CBH	12 Trenches 18 CBH	
1b	Exploration over lease area for geological axis 1 or 2	12 TRENCHES 12 CBH	12 Trenches 18 CBH	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee Not Specific	Lessee Rs. 7,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	About 3.13 ha	
1e	Balance reserve as on 01/04/20	_____	17,582(111) 58,970(122)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Balance area to be explored to upgrade the reserves.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North	North West	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.79	1:0.80	
2d	Quantity of topsoil generation in m3	No Proposal	No top soil is generated	
2e	Quantity of overburden generation in m3	No Proposal	820 tonnes	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work is carried out as per the proposals
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	18656 tonnes	2591 t	
3c	Recovery of sailable/usable mineral from ROM production	Not Specific	60%	
3d	Quantity of mineral reject generation	6899 t	4083 t	
3e	Grade of mineral rejects generation and threshold value declared.	35-45 % Fe	<45%	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
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.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Yes	Jack hammer drilling & Blasting by ED	

3k	Provision of mining machineries in mineral benches	JCB, Excavator, Tippers	JCB, Excavator, Tippers(3), Jack hammer, tractor and water tanker.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1.5 m	1.5 m	
3m	Total area covered under excavation/pits	3 ha	3 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.79	1:0.80	
3o	Total area put in use under different heads at the end of year	7.0 ha	7.0ha	
3p	Production of ROM mineral during the last five year period as applicable	2010-11-27675 t, 2011-12--28012 t, 2012-13--50293 t, 2013-14--No Proposal, 2014-15--18656 t	2010-11-27775 t, 2011-12--30798 t, 2012-13--27651 t, 2013-14--4630, 2014-15--2591 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out under A Other than fully mechanised category.

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	NW Side & South eastern Side	North West	
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)	NW & SE	NW	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	One	One	
4g	Number of dumps established.	One	One	
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	36 x 1.5 x 1 m	36 x 1.5 x 1 m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Waste dumps are being maintained as per the proposals of the approved Scheme of Mining

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	N.A	N.A	
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).	_____	NO	Violation of Rule 23 E(2) has been pointed out to the party.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	0.44 ha	N.A	
6d	No. of saplings planted during the year	440	500	
6e	Cumulative no .of plants	1760	2000	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	Rs. 50,000/-	
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 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.	_____	_____	Operations are being carried out as per the proposals.

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within the lease area	Grade wise sorting within the lease area is being practiced.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	45-55% Fe <45% Fe	45-55% Fe	
7d	Any beneficiation process at mines .	NIL	NIL	Except manual grading, no other beneficiation process is adopted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	NIL	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable	Not applicable	
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)	No Proposal	NIL	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	
8g	Survival rate	75%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Nothing to highlight.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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	Mining Engineer- Sri.Y.R.S.Pras ad Reddy, Geologist- Sri. V.Anand Kumar, Mines Manager-Sri. B. Siva Mohan	Data seems to be correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits is furnished as 12 ha .	Data seems to be incorrect as per field observation.	Violation of Rule 45(5)(b)(i) was pointed out to the party.
9d	Scrutiny of Annual return on afforestation	Not furnished.	NIL	
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	Iron Ore lumps-2591 tonnes	Data seems to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine Price for Lumps-Rs.350/- , Cost of Production-Rs.879/-	Data seems to be incorrect as cost of production is much higher than the Ex. Mine price.	Violation of Rule 45(5)(b)(i) was pointed out to the party.

9h	Scrutiny of Annual return on fixed assets	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	Not furnished.	NIL

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 23E(2)	12/04/2016	01/08/2016			
Rule 45(5)(b)	12/04/2016	01/08/2016			

Date :

(Ch.Suseela)

Indian Bureau of Mines