

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/FE-56/HYD

Mine code : 30APR11021

- (i) Name of the Inspecting : PG01) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 14/06/2017
- (v) Prev.inspection date : 14/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : GANIGATTU IRON ORE MINE
- (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 :
- (f) **Police Station** : VELDURTHI
- (g) **First opening date** : 01/01/1953
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : B.V.JOSHI
24, DEVAKI CHAMBERS,
SECUNDERABAD-500003.
3. (a) **Lease Number** : APR2783
- (b) **Lease area** : 19
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 28/12/2029
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : B.V.JOSHI
24, DEVAKI CHAMBERS
HYDERABAD TELANGANA
Phone:
FAX :

Owner : B.V. JOSHI
B.V JOSHI, 24, DEVAKI
CHAMBERS, SECUNDRABAD.
500003. KURNOOL ANDHRA
PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	22/01/2007
Plan/Scheme of Mining		Modif.of approved Mining Plan	01/02/2013
		MP modif under MCR 1960	06/04/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	5 ha	5 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Map drilling Hyd, Rs=8,49,560/	
1d	Balance area to be explored to bring Geological axis in 1 or 2	5 ha.	5 ha.	
1e	Balance reserve as on 01/04/20	-	80,000 Tons	-
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Nil	5 ha aera has to be explored to upgrade the geological Reserves.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Block-A	Block-A	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	N.A	N.A	The mining operations are being carried out on hill slope there is no much O.B
2c	Stripping ratio or ore to OB ratio	1 : 2.2	1 : 2.3	There is no O.B generation.
2d	Quantity of topsoil generation in m3	Nil	Nil	No top soil is generated as the float ore is existing on the surface.
2e	Quantity of overburden generation in m3	Nil	Nil	There is no overburden as the surface is covering with float ore.1

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	development is going on as per the approved proposals.	Nil
----	---	---	--	-----

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	38609.06 Tons.	22160 Tons.	-
3c	Recovery of sailable/usable mineral from ROM production	30 %	30 %	-
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	30 %	30 %	-
3f	Quantity of sub grade mineral generation.	Nil	Nil	-
3g	Grade of sub grade mineral generation	30 % Fe.	30 % Fe.	-
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.	Chemical Analysis.	Chemical Analysis.	-
3j	Provision of drilling and blasting in mineral benches	N.A	N.A.	-

3k	Provision of mining machineries in mineral benches	One excavator	One excavator.	-
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	2.2 ha.	2.2 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 2.3	1 : 2.3.	-
3o	Total area put in use under different heads at the end of year	4.8816 ha.	4.6203 ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2012-13 =8845 Tons ; 2013-14 = 22995 Tons ; 2014 -15 =18195 Tons ; 2015 -16 =18221 Tons ; 2016-17 =38609 Tons .	2012-13 =4500 Tons ; 2013- 14 = 250 Tons; 2014 -15 =405 Tons ; 2015 -16 =16954 Tons ; 2016-17 =22160 Tons .	-
3q	General remarks of inspecting officers on method of mining etc.	Open cast.	Open cast.	Mining operations are being carried out as per the approved proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	-
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	-
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	-
4e	Number of active and alive dumps.	Nil	Nil	-
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	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	Since no waste being is generated and stocked.

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.	1 . 7 ha	0 . 2 ha	-
5b	Area under backfilling of mined out area	0. 074 ha	0. 074 ha.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	-
5d	Total area fully reclaimed and rehabilitated	0 . 074 ha	0 . 074 ha.	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	0 . 074 ha.	0 . 074 ha.	-
----	--	-------------	-------------	---

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).	2016-17	Yes	-
6b	Area available for rehabilitation (ha) .	N.A	Nil	-
6c	afforestation done (ha).	N.A	Nil	-
6d	No. of saplings planted during the year	N.A	Nil	-
6e	Cumulative no .of plants	400	400	-
6f	Any other method of rehabilitation	N.A	Nil	-
6g	Cost incurred on watch and care during the year	N.A	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0. 074 ha	0. 074 ha	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0. 074 ha.	0. 074 ha	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.074 ha	0.074 ha.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N. A	N. A	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	N. A	N. A	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0. 866 ha	0. 866 ha	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0. 074 ha	0. 074 ha	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	Plantation.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	quarterly	Quarterly	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	progressive closure operations are being carried out as per the approved proposals.

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	38609 Tons	14324 Tons.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-
7c	Different grade of mineral sorted out at mines.	+ 50 % Fe - 55 % Fe	+ 50 % Fe - 55 % Fe	-
7d	Any beneficiation process at mines	Nil	Nil	---
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	Grade wise Mineral sorting is being done. The low grade ores are blended with high grade and made required grade.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	-
8b	Concurrent use or storage of topsoil	N.A	N.A	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	0. 074 ha.	0 . 074 ha.	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0 . 074 ha	0. 074 ha.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000	2000	-
8g	Survival rate	-	73 %	-
8h	Water sprinkling on roads to control airborne dust	Regularly done.	Regularly done.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The M.L area is hilly Terrain	The M.L area is hilly Terrain.	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted Monthly, Annual returns.	Monthly return, Annual return Submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes, furnished.	yes, furnished.	Sri K.Jothilingam, B.E (mining), as Mines manager, appointed on 2-11-2015.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	area under pits=8.0 ha, reclaimed area= 0, ha, dumps =3 ha.	rea under pits=8.0 ha, reclaimed area= 0, ha, dumps =3 ha.	-
9d	Scrutiny of Annual return on afforestation	Furnished 2000 plants.	yes, correct.	-

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	furnished as =Zero	yes ,correct.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	10,173 Tons.	10,173 tons.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex price- Rs= 120/, and production cost =Rs=630/	Ex.price -Rs=120/, and production cost -Rs =630/	-
9h	Scrutiny of Annual return on fixed assets	furnished as Zero.	Yes, as Zero.	-
9k	Scrutiny of Annual return on mining machineries	Non-Elctrical Machinery, Tipper = 2	Non Electrical machinery ,Tpper = 2 Dozer = 1	-
		Dozer = 1		

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 47	30/06/2017				
Rule 48	30/06/2017				
MCDR17 Rule 45(5)(c)	30/06/2017				

Date :

(P.GURUVAIAH)

Indian Bureau of Mines