

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/FE-62/HYD

Mine code : 30APR11026

- (i) Name of the Inspecting : ~~PR09~~) M.Pratap.Reddy
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : B. MAHABOOB BASHA MINES MANAGER.
Official with
Designation
- (iv) Date of Inspection : 21/08/2016
- (v) Prev.inspection date : 22/05/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SEETHARAMAPURAM
- (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. : 08516276111
- E-mail :
- Phone : 08516-273001/273099
- (f) **Police Station** : BETHAMCHERLA
- (g) **First opening date** : 23/01/2008
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : B.Sanjeev Reddy
H.No-6-200, Rly Station Road, At/po-Bethancherla
Dist -Kurnool , A.P
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : B.SANJEEVA REDDY
6-100 RLY STATION ROAD
BETHHAMCHERLA POST KURNOOL
ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	02/08/2006
Plan/Scheme of Mining		Modif.of approved Mining Plan	15/09/2010
		Mining Scheme rule 12 MCDR1988	18/04/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Five Boreholes have been proposed.	The proposed Boreholes have been drilled.	
1b	Exploration over lease area for geological axis 1 or 2	G1	G1 scale of exploration has been carried out.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not furnished	Not available	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	G1 Scale of Exploration has already been done	
1e	Balance reserve as on 01/04/20	694 T	150 T	
1f	General remarks of inspecting officers on geology, exploration etc	The area pertains to Vempally formation of cuddapah super group. G1 scale of exploration has been proposed.	The proposed exploration has been carried out. As per the reserve estimates in the approved Scheme of Mining ,the reserve is exhaust stage.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During 2015-16, it proposed to work around section C-C' between RLs 426-423.	The development and mining activity as proposed in the approved Scheme of Mining has been carried out	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Formation of seperate benches in OB and Mineral have been proposed.	As proposed, seperate benches in overburden and Ore have been formed.	
2c	Stripping ratio or ore to OB ratio	1:0.36	1:0.5	

2d	Quantity of topsoil generation in m3	No proposals of Top soil	The workings are confined to already degraded area.
2e	Quantity of overburden generation in m3	4118 T	4250 T
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Pockety type of deposit. The production activity is confined to around Section C-C'	The development and mining has been done as proposed in the approved Scheme of Mining.

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	9266 t	10,580 T	
3c	Recovery of sailable/usable mineral from ROM production	60%	60 to 70%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	45% Fe Content	There are no mineral rejects.	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	-	-	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method of segregation	Manual method of segregation	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	
3j	Provision of drilling and blasting in mineral benches	None	None	
3k	Provision of mining machineries in mineral benches	None	None	
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	1.8475 ha	1.8375 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.36	1:0.35	
3o	Total area put in use under different heads at the end of year	3.80 ha	3.79 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13=39,654 T, 2013-14=34,827 T, 2014-15=9346 T, 2015-16=9266 T	2011-12=77927 T, 2012-13=43,490 T, 2013-14=313717 T, 2014-15=9220 T, 2015-16=10580 T	During the year 2011-12, the document was under processing.
3q	General remarks of inspecting officers on method of mining etc.	Semi mechanised method of Mining is proposed(A other than fully mechanised)	As proposed the mining operations have been carried out.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil & rejects proposals exists. The waste is seperately dumped.	The dump is placed at proposed site.
4b	Location of topsoil, OB and mineral reject dumps	The dumping proposal is between grid lines 175N-225N and 100E-200E	The dump is placed asper the proposals.
4c	Number of dumps within lease area and outside of lease area	One dump with in the ML area.	One dump with in ML area as proposed above.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The waste dumping proposal is beyond UPL	The waste is dumped beyond UPL.
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals	-
4i	Length of Retaining wall or garland drain all along dumps	None	-
4j	Number of settling ponds	None	-
4k	Specific comments of inspecting officer on waste dump management	One dump proposal beyond UPL is proposed.	The waste material is placed at proposed place.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	Does not arise	
5b	Area under backfilling of mined out area	No proposals	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	-	
5d	Total area fully reclaimed and rehabilitated	Nil	-	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposals	-	The pit is not yet matured for back filling and reclamation.

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No proposals	However, the lessee has submitted the Environmental protective measures undertaken during the year 2015-16	
6b	Area available for rehabilitation (ha) .	Nil	-	
6c	afforestation done (ha).	0.036 ha	0.04 ha	
6d	No. of saplings planted during the year	No. of samplings not furnished	100 saplings have been done	survival rate is poor for lack of watch and ward.
6e	Cumulative no .of plants	cumulative no. not furnished	About 150 saplings exists.	
6f	Any other method of rehabilitation	None	-	
6g	Cost incurred on watch and care during the year	Rs 50,000/-	No figures have been furnished.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.036 ha	0.04 ha
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	There are no proposals	Mining operations are of manual nature. Water sprinkling is done on Haul roads.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No specific proposals	However, the lessee has done complimentary afforestation and water sprinkling on haul road for suppression of dust.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes, with in the ML area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting.	Manual sorting is done.	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	
7d	Any beneficiation process at mines .	No	-	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No benrfiation proposals exists.	Except sizing, no beneficiation is carried out.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil proposals.	-	

8b	Concurrent use or storage of topsoil	No Proposals	-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	separate dumps have been maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	-	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	-	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Complimentary afforestation has been done.	
8g	Survival rate	80%	40%	survival rate is poor due to lack of watch and ward.
8h	Water sprinkling on roads to control airborne dust	yes	Sprinkling is done to suppress the airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Complimentary afforestation is proposed.	No aesthetic beauty exists in and around the mine since area is prone to drought	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Monthly & Annual returns have been submitted before the scheduled dates.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes,	A part time Mining Engineer and Geologist has been appointed	A violation for appointment of full time Mining Engineer and Geologist has been issued-(Rule 42(1) (C) (ii)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Furnished.	
9d	Scrutiny of Annual return on afforestation	Yes,	Furnished.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	There is no mineral rejection.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	A stock of 4647 T exists	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes.	The cost of production and Ex-mine price of Iron ore is furnished to be Rs 314/- and Rs.500/T respectively.	
9k	Scrutiny of Annual return on mining machineries	Yes	Furnished(Excavator-1, Tippers(10T capacity-2 nos. and one water tanker)	

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 23E(2)	26/10/2016				
Rule 27(4)	26/10/2016				
Rule 42(1)(C)(II)	26/10/2016				

Date :
(M.Pratap.Reddy)

Indian Bureau of Mines