

**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 : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. Mahboob Basha, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 09/06/2017
- (v) Prev.inspection date : 21/08/2016

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** : APR2768
- (b) **Lease area** : 8.29
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 07/01/2028
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	5 Core bore holes proposed during the year 2013-14	13 core bore holes drilled during the year 2016-17	
1b	Exploration over lease area for geological axis 1 or 2	G1 scale of exploration proposed	G1 scale of exploration has been carried out.	Entire mineralised area has been explored under G1 scale.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Capstone	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Total area has been explored .
1e	Balance reserve as on 01/04/20	RESERVES-NIL, Resources-23,472 tonnes(333)	RESERVES-NIL, Resources-23,472 tonnes(333)	Total estimated reserves have been excavated during the plan period. The validity of the scheme of mining has been expired on 31.3.2017. Hence the violation of Rule 11(1) & 11(4) has been pointed out to the lessee.
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Total estimated reserves have been excavated during the plan period. The validity of the scheme of mining has been expired on 31.3.2017. Hence the violation of Rule 11(1) & 11(4) has been pointed out to the lessee.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Section C-C' and 423 to 420 MRL	Development work is carried out as proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed separate benches in OB and Ore	As proposed separate benches have been formed in OB & Ore	
2c	Stripping ratio or ore to OB ratio	1:0.36	1:0.5	
2d	Quantity of topsoil generation in m3	No proposal	The workings are confined to already degraded area. Hence no top soil is generated.	
2e	Quantity of overburden generation in m3	225 tonnes	180 tonnes	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	The development activity is carried out in the proposed area as the deposit is pocket type.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	505 tonnes	347 tonnes	
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.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	

3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
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	NIL	NIL	
3k	Provision of mining machineries in mineral benches	Excavator-1, Loader-1, Tipper-1	Excavator-1, Tipper-2	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3m ht	Yes, 3m ht	
3m	Total area covered under excavation/pits	1.85 ha	1.85 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	3.80 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13--39654 t, 2013-14--34827 t, 2014-15--9346 t, 2015-16--9266 t, 2016-17--505 t	2012-13--43490 t, 2013-14--31371 t, 2014-15--10580 t, 2015-16--11774 t, 2016-17--347 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast other than fully mechanised method of mining is being practiced.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil. The waste is separately dumped.	The waste is dumped at designated place.	
4b	Location of topsoil, OB and mineral reject dumps	The dump is proposed between grid lines 175 N-225 N and 100 E-200 E	The dump is proposed between grid lines 175 N-225 N and 100 E-200 E	
4c	Number of dumps within lease area and outside of lease area	One dump within ML	One dump within ML	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
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.	No Proposal	NIL	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The waste material is dumped at designated place.

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	NIL	NIL	
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	N.A	N.A	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The pit is not matured for reclamation and back filling

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).	Yes	Not submitted	Violation of Rule 26(2) has been pointed out to the party.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
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	100 plants	200 plants 0.04 ha
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)	Environmental monitoring Proposed	being monitored

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	The lesse has done complimentary afforestation.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed within the lease area.	Grade wise sorting carried out within the lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Fe >35% Fe 35 to 45%	Fe >35% Fe 35 to 45%	
7d	Any beneficiation process at mines .	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	_____

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil	NIL	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste dump	waste dump is maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	NIL	
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)	100 plants	200 plants	
8g	Survival rate	Not specific	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes, water sprinkling is being done to control the dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Nothing to highlight.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Lessee is submitting monthly returns regularly. Annual Return for the year 2016-17 has not been submitted.	Lessee is submitting monthly returns regularly. Annual Return for the year 2016-17 has not been submitted.	As on date of inspection, the submission of AR is not due. Hence the lessee was advised to submit the same at the earliest.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9d	Scrutiny of Annual return on afforestation	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9h	Scrutiny of Annual return on fixed assets	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	
9k	Scrutiny of Annual return on mining machineries	A R not submitted. Hence scrutiny does not arise	A R not submitted. Hence scrutiny does not arise	As on date of inspection, the submission of AR is not due. Hence the lessee was advised to submit the same at the earliest.

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)	29/06/2017			
MCDR17	Rule 11(4)	29/06/2017			
MCDR17	Rule 26(2)	29/06/2017			

Date :
(Ch.Suseela)

Indian Bureau of Mines