

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/FE-61/HYD

Mine code : 30APR11027

- (i) Name of the Inspecting : ~~P601~~) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI BASHA MINES MANAGER.
Official with
Designation
- (iv) Date of Inspection : 12/02/2018
- (v) Prev.inspection date : 05/07/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : THAVASIKONDA
- (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. : 08516-276111
- E-mail :
- Phone :
- (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, BETHAMCHERLA
DIST- KURNOOL , A.P-518599
3. (a) **Lease Number** : APR2769
- (b) **Lease area** : 32
- (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 :

Owner : B.SANJEEVA REDDY
25/512, SRINIVASA NAGAR
NANDYAL KURNOOL ANDHRA
PRADESH
Phone: 08514 - 242356
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	02/08/2006
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	19/11/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	6 no of core boe holes proposed.	The party has not been carried out exploration for the year 2016-17.	The party has not been carried out exploration for the year 2016-17so, voilation of rule 11(1) of MCDR 2017 issued to the party.
1b	Exploration over lease area for geological axis 1 or 2	To convert the exploration in to G1 .	The party has not been carried out exploration for the year 2016-17.	The party has not been carried out exploration for the year 2016-17so, voilation of rule 11(1) of MCDR 2017 issued to the party.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	6 no of core boe holes proposed. 2016-17.	The party has not been carried out exploration for the year 2016-17.	The party has not been carried out exploration for the year 2016-17so, voilation of rule 11(1) of MCDR 2017 issued to the party.
1d	Balance area to be explored to bring Geological axis in 1 or 2	6 no of core boe holes proposed.	The party has not been carried out exploration for the year 2016-17.	The party has not been carried out exploration for the year 2016-17so, voilation of rule 11(1) of MCDR 2017 issued to the party.
1e	Balance reserve as on 01/04/20	111-1,07,151 T. 121-1,77,667T	111- 71,451 T. 121-1,77,667T	-
1f	General remarks of inspecting officers on geology, exploration etc	6 no of core boe holes proposed.	The party has not been carried out exploration for the year 2016-17.	The party has not been carried out exploration for the year 2016-17so, voilation of rule 11(1) of MCDR 2017 issued to the party.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	C D E F. 465,473.	E,F.	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in O.B.	One bench in O.B and one bench in ore.	-
2c	Stripping ratio or ore to OB ratio	1 : 1. 21.	1 : 1. 21	-
2d	Quantity of topsoil generation in m3	No top soil generation proposal.	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Float ore and bedded type.	Float ore type below this type bedded type ore is there.	-

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	71,045 tonnes.	25,500 tonnes.	-
3c	Recovery of sailable/usable mineral from ROM production	40% float ore, 29% from ferruginous shale.	35% float ore , 30% from ferruginous shale.	-
3d	Quantity of mineral reject generation	29,534 tonnes.	10,540 tonnes.	-
3e	Grade of mineral rejects generation and threshold value declared.	The threshold value declared is below 45% Fe content	The grade of mineral reject is 35% Fe content the threshold value declared is below 45% Fe content.	-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Semi mechanised method.	Semi mechanised method.	-

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	-
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting.	As proposed drilling and blasting is practiced.	-
3k	Provision of mining machineries in mineral benches	Provision is there.	As per proposal. it has been carried out.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	As per the proposal.it is suitable.	-
3m	Total area covered under excavation/pits	8. 5 ha	2. 83 ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1. 21	1 : 1	-
3o	Total area put in use under different heads at the end of year	10 .51 ha	8 . 15 ha	-
3p	Production of ROM mineral during the last five year period as applicable	2012-13 : 89.450 T, 2013-14 : No proposals (document is under process.),	2012-13 : 66,654 T. 2013-14 : 37,345 T, 2014-15 : 30,522 T 2015-16 : 1530 T. AND 2016-17 : 25,700 Tonnes.	-

2014-
15 : 70,896 T.
2015-16 :
70,964 T, AND
2016-17 :
71,045 T.

3q	General remarks of inspecting officers on method of mining etc.	proposed semimechanised opencast method	As proposed semimechanised opencast method of mining is practiced. Excavation is done mechanically by deploying JCB Excavator and where as ore sorting is done by manually.	-
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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)	O.B and mineral rejects.	O.B and mineral rejects.	-
4b	Location of topsoil, OB and mineral reject dumps	North Eastern side of the ML.	North Eastern side of the ML.	-
4c	Number of dumps within lease area and outside of lease area	Two dumps have been propsed North Eastern side and south side of within the ML.	Two dumps one is in the North Eastern side and other one is in south side within the ML.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The proposed pits are beyond UPL.	The two dumps lie beyond UPL.	-
4e	Number of active and alive dumps.	The proposed dumps are active in nature.	These dumps are active.	-
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.	yes.	yes.	-
4i	Length of Retaining wall or garland drain all along dumps	160 x0.50x 0.50 M	160 x0.50x 0.50 Meters Garland drain done.	-
4j	Number of settling ponds	Nil	Nil	-

4k	Specific comments of inspecting officer on waste dump management	Two dumps have proposed beyond UPL.	Two dumps are in a single terrace.the height of the dumps does not exede beyond 4m.	-
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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	No proposal.	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	No proposal.	Nil	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	-

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).	Not Submitted	Already voilation pointed out to the party.	-
6b	Area available for rehabilitation (ha) .	No proposal	Nil	-

6c	afforestation done (ha).	Proposed on buffer zone, 150 no of plants.	50 no of plants.	-
6d	No. of saplings planted during the year	150 no of plants	50 no of plants.	-
6e	Cumulative no .of plants	2080	520	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	Not specified	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal.	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	-

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Method proposed is by Afforestation.	Afforestation is done.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed to periodic monitoring of Environmental parameters both in core and buffer zone.	As proposed monitoring is being done.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No reclamation and rehabilitation proposals have been proposed.	Except Afforestation programme in the buffer zone (7.5 m) no other means of rehabilitation is done.	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM sorting is proposed within the lease area.	As proposed ROM sorting is within the lease area.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual method of sorting.	Manual method of sorting.	-
7c	Different grade of mineral sorted out at mines.	Screening and Sorting of mineral at mine.	Sizing, screening and sorting of mineral done at mine.	-

7d	Any beneficiation process at mines .	Only Sizing, sorting and Screening and there is no beneficiation process.	As proposed Only Sizing, sorting and Screening and there is no beneficiation process.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The ROM is sizing , sorting and Screening is proposed.	As proposed the sizing , sorting and Screening is being done at mine.	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no top soil proposal.	Nil	-
8b	Concurrent use or storage of topsoil	No proposal of top soil generation.	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed waste dump proposal.	As proposed waste dumping separetily.	-
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)	Existing plantation and additional plantation proposal is there.	Existing plantation is there.	-
8g	Survival rate	80%	40%	-
8h	Water sprinkling on roads to control airborne dust	proposed Water Sprinkling on roads to control airborne dust.	As proposed regular Water sprinkling is done on roads to control airborne dust.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Proposed Afforestation for aesthetic beauty in and around mines area.	Small area Afforestation is being done.	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes,given.	Monthly Annual returns Submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes,given.	Mahaboob Basha, Manager.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not given	Nil	-
9d	Scrutiny of Annual return on afforestation	yes,given	50 no of plants.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes,given.	10,540 tonnes.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes, given.	Closing stock= lumps 6622 tonnes. fines =6422 tonnes.	-

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes, given.	Exmine price =lumps =500/ fines= 350/ cost of production =228/	-
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	-
9k	Scrutiny of Annual return on mining machineries	yes, given	Shovel = 1 Tippers =2.	-

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(4)	08/03/2018			

Date :
(P.GURUVAIAH)

Indian Bureau of Mines