

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/FE-38/HYD

Mine code : 30APR11015

- (i) Name of the Inspecting : PG01) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Bramaiah, Mines Representative.
Official with
Designation
- (iv) Date of Inspection : 13/06/2017
- (v) Prev.inspection date : 20/05/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SARPARAJAPURAM
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : SARPARAJAPURAM
- Taluka : VELDURTHI
- Post office :
- Pin Code : 518216
- FAX No. : 08516-275744, 275944
- E-mail :
- Phone : 9949557697
- (f) **Police Station** :
- (g) **First opening date** : 01/01/1995
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : T.Satyanarayana, Mine Owner
At/Po- Veldurthy - 518216
3. (a) **Lease Number** : APR0224
- (b) **Lease area** : 7.87
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 26/03/2002
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : T.SATYANARAYANA
VELDURTH (PO) DHONE
KURNOOL ANDHRA PRADESH
Phone:
FAX :

Owner : T.SATAYANARAYANA
VELDURTHY (PO), DHONE
KURNOOL ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	20/08/2002
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	30/12/2009
		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	5 no core bore holes	one core bore hole	Mining scheme is due violation letter issued to the party.
1b	Exploration over lease area for geological axis 1 or 2	To upgrade the exploration area to G1	one core bore hole	Mining scheme is due violation letter issued to the party
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Nil	Mining scheme is due violation letter issued to the party
1d	Balance area to be explored to bring Geological axis in 1 or 2	To upgrade the exploration area to G1	Nil	Mining scheme is due violation letter issued to the party
1e	Balance reserve as on 01/04/20	proved (111)=2603 T,proprobable(122)=12,841 T. possible =4,803 T	proved (111)=2603 T,proprobable(122)=12,841 T. possible =4,803 T	Mining scheme is due violation letter issued to the party
1f	General remarks of inspecting officers on geology, exploration etc	5 no core bore holes	One core bore hole	Mining scheme is due violation letter issued to the party

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	From cross sections D-D, to F-F,.	Nil- Pary submitted Form -D	Mining scheme is due violation letter issued to the party
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	The faces will be advanced across and along the strike 3 m height.	Nil party submitted form-D.	Mining scheme is due violation letter issued to the party
2c	Stripping ratio or ore to OB ratio	1 : 2.70	Nil	Mining scheme is due violation letter issued to the party.

2d	Quantity of topsoil generation in m3	No proposal.	Nil	Mining scheme is due violation letter issued to the party.
2e	Quantity of overburden generation in m3	13,980 T	Nil	Mining scheme is due violation letter issued to the party.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	From cross sections D-D, to F-F, .	Nil	Mining scheme is due violation letter issued to the party.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	one pit	Mining scheme is due violation letter issued to the party.
3b	Quantity of ROM mineral production proposed	5,573 T	Nil	Mining scheme is due violation letter issued to the party.
3c	Recovery of sailable/usable mineral from ROM production	70%	Nil	Mining scheme is due violation letter issued to the party.
3d	Quantity of mineral reject generation	7,733 T.	Nil	Mining scheme is due violation letter issued to the party.
3e	Grade of mineral rejects generation and threshold value declared.	Mineral rejects, Ferruginous quartzite and Ferruginous shale , Below 45 % Fe	Nil	Mining scheme is due violation letter issued to the party.
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	Mining scheme is due violation letter issued to the party.
3g	Grade of sub grade mineral generation	No proposal.	Nil	Mining scheme is due violation letter issued to the party.

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Nil	Mining scheme is due violation letter issued to the party.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Mining scheme is due violation letter issued to the party.
3j	Provision of drilling and blasting in mineral benches	drifter drilling	Nil	Mining scheme is due violation letter issued to the party.
3k	Provision of mining machineries in mineral benches	3m bench height	Nil	Mining scheme is due violation letter issued to the party.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height.	Nil	Mining scheme is due violation letter issued to the party.
3m	Total area covered under excavation/pits	1.020 ha	0.92ha.	Mining scheme is due violation letter issued to the party.
3n	Ore to OB ratio for the pit/mine during the year.	1 :2.70	Nil	Mining scheme is due violation letter issued to the party.
3o	Total area put in use under different heads at the end of year	7.874 HA	7.874 HA	Mining scheme is due violation letter issued to the party.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	13,980 Tons	Nil	Mine is not working and submitted T.D notice .
4b	Location of topsoil, OB and mineral reject dumps	north western side.	north western side	Mine is not working and submitted T.D notice .

4c	Number of dumps within lease area and outside of lease area	2 dumps within lease area.	2 dumps within lease area.	Mine is not working and submitted T.D notice .
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	North western	North western	Mine is not working and submitted T.D notice
4e	Number of active and alive dumps.	one dump alive and one dumpactive.	one dump alive and one dump active.	Mine is not working and submitted T.D notice
4f	Number of dead dumps.	one dump	one dump	Mine is not working and submitted T.D notice
4g	Number of dumps established.	one dump	one dump	Mine is not working and submitted T.D notice
4h	Whether Retaining wall or garland drain all along dumps are there.	A retaining wall 55m x1.5 m x 1.00m, Garland drain 55m x0.50 mx 0.50m	Nil	Mine is not working and submitted T.D notice
4i	Length of Retaining wall or garland drain all along dumps	A retaining wall 55m x1.5 m x 1.00m, Garland drain 55m x0.50 mx 0.50m	Nil	Mine is not working and submitted T.D notice
4j	Number of settling ponds	No proposal.	Nil	Mine is not working and submitted T.D notice
4k	Specific comments of inspecting officer on waste dump management	One dump alive and one dump active	one dump alive and one dump active.	Mine is not working and submitted T.D notice

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 backfilling proposal.	Nil	Mine is not working and submitted T.D notice

5b	Area under backfilling of mined out area	No proposal.	Nil	Mine is not working and submitted T.D notice
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal.	Nil	Mine is not working and submitted T.D notice
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	Mine is not working and submitted T.D notice
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No backfilling proposal.	Nil	Mine is not working and submitted T.D notice

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).	Submitted.	Nil	Mine is not working and submitted T.D notice
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Mine is not working and submitted T.D notice
6c	afforestation done (ha).	No proposal.	Nil	Mine is not working and submitted T.D notice
6d	No. of saplings planted during the year	260 no of plants	Nil	Mine is not working and submitted T.D notice
6e	Cumulative no .of plants	840 no of plants	390 plants were planted along the safety zone on north eastern side an area of 0.15 ha.	Mine is not working and submitted T.D notice

6f	Any other method of rehabilitation	No proposal.	Re handling of 1.5 m Safety barrier zone disturbed due to waste dump is carried out. Dump D1 covering an area of 0.09 ha. & restored safety zone area of 0.15 ha has been rehabilitated with plantation.	Mine is not working and submitted T.D notice
6g	Cost incurred on watch and care during the year	Rs= 13,000	Nil	Mine is not working and submitted T.D notice
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	Mine is not working and submitted T.D notice
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Re handling of 1.5 m Safety barrier zone disturbed due to waste dump is carried out. Dump D1 covering an area of 0.09 ha. & restored safety zone area of 0.15 ha has been rehabilitated with plantation.1	Mine is not working and submitted T.D notice
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal.	Re handling of 1.5 m Safety barrier zone disturbed due to waste dump is carried out. Dump D1 covering an area of 0.09 ha. & restored safety zone area of 0.15 ha has been rehabilitated with plantation 390 plants.	Mine is not working and submitted T.D notice
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Mine is not working and submitted T.D notice
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	Mine is not working and submitted T.D notice

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil	Mine is not working and submitted T.D notice
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Mine is not working and submitted T.D notice
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	Mine is not working and submitted T.D notice
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal.	Re handling of 1.5 m Safety barrier zone disturbed due to waste dump is carried out.Dump D1 covering an area of 0.09 ha. & restored safety zone area of 0.15 ha has been rehabilitated with plantation 390 plants.	Mine is not working and submitted T.D notice
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Submitted.	Re handling of 1.5 m Safety barrier zone disturbed due to waste dump is carried out.Dump D1 covering an area of 0.09 ha. & restored safety zone area of 0.15 ha has been rehabilitated with plantation 390 plants.	Mine is not working and submitted T.D notice

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal.	Nil	Mine is not working and submitted T.D notice
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Nil	Mine is not working and submitted T.D notice

7c	Different grade of mineral sorted out at mines.	No proposal.	Nil	Mine is not working and submitted T.D notice
7d	Any beneficiation process at mines	No proposal.	Nil	Mine is not working and submitted T.D notice
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No mineral Beneficiation will be done within the lease area.	Dry crushing and screening ,plant which is located outside the lease area belongs to the sister concern firm for sizing and blending of ore as per the buyers requirement.	Mine is not working and submitted T.D notice

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	Mine is not working and submitted T.D notice
8b	Concurrent use or storage of topsoil	No proposal.	Nil	Mine is not working and submitted T.D notice
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	Mine is not working and submitted T.D notice
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	Mine is not working and submitted T.D notice
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Mine is not working and submitted T.D notice

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	840 no of plants	390 no of plants.safety zone on north eastern side.	Mine is not working and submitted T.D notice
8g	Survival rate	80 %	70%	Mine is not working and submitted T.D notice
8h	Water sprinkling on roads to control airborne dust	Dust suppression by water spraying on roads.	Nil	Mine is not working and submitted T.D notice
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Except degraded land area and rest of the area is not distrubed.	Mine is not working and submitted T.D notice

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A.R not submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil A.R submitted	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9d	Scrutiny of Annual return on afforestation	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9h	Scrutiny of Annual return on fixed assets	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.
9k	Scrutiny of Annual return on mining machineries	Nil A.R submitted.	Nil	Nil A.R submitted,current year M.Rs Not submitted ,so Violation issued to the party.

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)	28/06/2017			
MCDR17	Rule 45(5)(k)	28/06/2017			

Date :

(P.GURUVAIAH)

Indian Bureau of Mines