

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/FE--28/HYD

Mine code : 30APR11013

- (i) Name of the Inspecting : ~~P601~~) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 14/12/2017
- (v) Prev.inspection date : 02/01/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SRI BRAHMESWARA**
- (b) **Registration NO.** : **IBM/296/2011**
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : VELDURTHI
- Taluka : DHONE
- Post office : VELDURTHI
- Pin Code : 518216
- FAX No. :
- E-mail : venkataramireddygowri@yahoo
- Phone : 08516-273499, 9440294076
- (f) **Police Station** : VELDURTHI
- (g) **First opening date** : 01/01/1963
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SRI G.VENKATARAMI REDDY
H.NO.7/175,GOWRIPETA
BETHAMCHERLA - 518599, KURNOOL DISTRICT.
3. (a) **Lease Number** : APR1155
- (b) **Lease area** : 33.01
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 27/11/2012
4. **Mineral worked** : IRON ORE Main
STEATITE Associated

5. Name and Address of the

Lessee : G.VENKATARAMI REDDY
 7-175 GOWRIPETA
 BETHAMCHERLA KURNOOL ANDHRA
 PRADESH
 Phone:08516-273499, 9440294076
 FAX :

Owner : G.VENKATARAMI REDDY
 H.NO.7/175, GOWRIPETA
 BETHAMCHERLA KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

Manager

Name : P.PURUSHOTTAM
 Qualification : DIPLOMA IN MINING
 Appointment/ : 01/05/2006
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	06/07/1995
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23/01/2004
		Mining Scheme rule 12 MCDR1988	09/01/2008
		Modif.approved Mining Scheme	04/04/2011
		Renewal under rule 24 MCR1960	29/04/2014
		MP review under 17(1) MCR 2016	04/09/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	8 Core bore holes	Exploration work carried out during 2016-17	-
1b	Exploration over lease area for geological axis 1 or 2	During the year no exploration proposal.	12 bore holes carried out 8 DTH holes and 4 Core bore holes during the year 2016-17.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal for expenditure.	Total Expenditure Rs=5,62,000/ For DTH And CBH holes.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	-
1e	Balance reserve as on 01/04/20	10,10,417 T	7,77,804 T	
1f	General remarks of inspecting officers on geology, exploration etc	During the year no exploration proposal.	12 bore holes carried out 8 DTH holes and 4 Core bore holes during the year 2016-17.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E2163 -2288 & 5316-5435m	As per the proposals work done.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	The development and production will be carried out in (5) benches of 3 m height and the orientation of bench will be in E-W direction.	As per the proposal work carried out.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.09	1 : 0.25	-
2d	Quantity of topsoil generation in m3	None	None	-

2e	Quantity of overburden generation in m3	4,273 Cu.m	4800 cu .m	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development and production will be carried out in (5) benches of 3 m height and the orientation of bench will be in E-W direction.	As per the proposal work carried out.	-

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	53755 T	53,400T	-
3c	Recovery of sailable/usable mineral from ROM production	75%	75%	-
3d	Quantity of mineral reject generation	25%	25%	-
3e	Grade of mineral rejects generation and threshold value declared.	Minus 45 %	Minus 45 %	-
3f	Quantity of sub grade mineral generation.	No generation of sub grade mineral material was proposed.	No material of sub grade was generated.	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil	-

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 proposed at staggered pattern.	As per the proposal work carried out.	-
3k	Provision of mining machineries in mineral benches	yes	Yes.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to work the mine with other than fully mechanised method.	As per the proposal.the same was observed.	-
3m	Total area covered under excavation/pits	6.183 ha	6.217 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0. 09	1 : 0. 25	-
3o	Total area put in use under different heads at the end of year	6.217 ha mining operations, 3.754 ha waste dump , 0.873 ha Roads.	6.217 ha mining operations, 3.754 ha waste dump , 0.873 ha Roads.	-
3p	Production of ROM mineral during the last five year period as applicable	2012-13-64600 tonnes 2013-14-64,600 tonnes 2014-15-53875 tonnes 2015-16-5755 tonnes 2016-17-53755 tonnes.	2012-13-51,200 tonnes 2013-14-64600 tonnes 2014-15-53425 tonnes 2015-16-54,000 tonnes 2016-17-53,400 tonnes	-
3q	General remarks of inspecting officers on method of mining etc.	Open cost other than fully mechanised.	Open cost other than fully mechanised.	-

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil generation O.B =3.75 ha M.R=1.711 ha	No top soil generation O.B =3.75 ha M.R=1.711 ha	-
4b	Location of topsoil, OB and mineral reject dumps	Southeast &Noth west	Southeast &Noth west	-
4c	Number of dumps within lease area and outside of lease area	Not specified.	Waste dump =1, Mineral rejects =4 with in the lease area.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South east & North west	South east & North west	-
4e	Number of active and alive dumps.	Not specified.	2 dumps.	-
4f	Number of dead dumps.	Not specified.	1 dump.	-
4g	Number of dumps established.	Not specified.	1 dump.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Not specified	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	Not specified.	some of the area has having retaining wall.	-
4j	Number of settling ponds	None	None.	-
4k	Specific comments of inspecting officer on waste dump management	Southeast &Noth west dumps are located within the mining lease.	Southeast &Noth west dumps are located within the mining lease.	-

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 Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report PMCP	yes, Submitted.	-
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	-
6c	afforestation done (ha).	125 no of plants	planted during the year 2016-17 ,150 no of plants	-
6d	No. of saplings planted during the year	125 no of plants	150 no of plants.	-
6e	Cumulative no .of plants	Not specified	15,000 no of plants.	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	No proposal.	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	No proposal.	Nil	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal.	Nil	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Annual report PMCP	Yes, submitted.	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 53,755 t	53,400 T	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	It was proposed OTFM Method.	As per the proposal work carried out.	-
7c	Different grade of mineral sorted out at mines.	It was proposed to produce less than 55% Fe of lumps and Fines.	The same was observed as reported.	-
7d	Any beneficiation process at mines .	only crushing and sreening no other process of beneficiation.	only crushing and sreening no other process of beneficiation.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	only crushing and sreening no other process of beneficiation.	only crushing and sreening no other process of beneficiation.	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	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)	About 4 ha of area is under dumps for oO.B,waste rock,and rejects.	The same was observed during the inspection.	-
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	The mine is not matured for the reclamation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	125 no plants proposed for the year 2016-17.	150 no of plants planted during the year 2016-17 .	-
8g	Survival rate	125 no plants proposed for the year 2016-17.	150 no of plants planted during the year 2016-17 cumulatively 28,850.	Rate of survival is 90 % .
8h	Water sprinkling on roads to control airborne dust	Regular water sprikling measures were proposed.	It was observed during the inspection that water sprinkling was being carried out along the haul roads.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Except the degraded area rest of the area is not distrubed.	-

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly,Annual returns submitted.	Monthly,Annual reurns submitted up to date by the party.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes given	yes observed.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes, given.	observed pits and dumps.	Mine is not matured for reclamation and rehabilitation.
9d	Scrutiny of Annual return on afforestation	yes given	Yes, obsurved afforestation in Annual return.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes,given	Mineral reject-20060T	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Lumps-42151 t Fines- 12493 t	lumps-42151 T fines2493 t.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes, Given.	sale vale =lumps=1298/ sale vale= fines=535/ cost of production =572/	-
9h	Scrutiny of Annual return on fixed assets	Yes, Given.	Mining operations= 6.217 ha waste dump=3.754 ha mineral stock=1.35 ha Roads =.870 ha.	-
9k	Scrutiny of Annual return on mining machineries	Yes,Given.	2 -Generators 4 -Secondary crushers 1 - primary crusher 2 -pc 200 1 -JCP	-

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

Date :
(P.GURUVAIAH)

Indian Bureau of Mines