

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri Purusotham, Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 02/01/2017
- (v) Prev.inspection date : 07/11/2015

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06 core bore holes are proposed during 2014-15	The proposed exploration of drilling of six core bore holes has been completed.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	During the year it was proposed to carry out 08 core bore holes.	It was observed that lessee has not carried out exploration.	The violation of rule 13(1) of mcdr 1988, pointed out to party.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal was made for the expenditure.	No data was available.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	NONE	NONE.	NONE
1e	Balance reserve as on 01/04/20	The reserves as per approved document are 782852 tonnes under UNFC 111 .	The reserves as on 1.4.2016. are 687557 tonnes	NONE.
1f	General remarks of inspecting officers on geology, exploration etc	As per proposal 08 core bore holes has to be carried out during the year 2015-16.	Lessee has not carried out Exploration.	Violation of rule 13(1) of mcdr 1988 pointed out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to exploit mineral from Pit -1 between grid lines E2136--2314 AND N 5341--5446 m.	The same was observed as proposed on the date of Inspection.	NONE.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	The advancement of overburden benches will be in North & south directions, and the production benches will be advanced towards east.	The same was observed as proposed on the date of Inspection	NONE
2c	Stripping ratio or ore to OB ratio	1 : 0.22	1 : 0.24	none

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3c	Recovery of sailable/usable mineral from ROM production	A recovery of 80% was proposed.	The same was observed as proposed.	NONE
3d	Quantity of mineral reject generation	It was proposed to generate 2688 tonnes of mineral rejects during the year at the rate of 5% of -45% Fe.	It was reported 12565 tonnes was reported during the year 2015-16.	NONE.
3e	Grade of mineral rejects generation and threshold value declared.	Minus 45%	Minus 45%	N I L.
3f	Quantity of sub grade mineral generation.	No generation of subgrade mineral material was proposed.	No nmaterial of Subgrade was generated..	N I L.
3g	Grade of sub grade mineral generation	N I L.	N I L	N I L.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N I L.	N I L.	N I L.

3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed at staggered pattern.	The same was observed as observed.	N I L.
3k	Provision of mining machineries in mineral benches	Use of mining machinery was proposed.	Use of Hydraulic Shovel , Wheel Loader, Tipper and Crusher were observed.	N I L.
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.	The same was observed as proposed as on date of Inspection.	N I L.
3m	Total area covered under excavation/pits	6.18 HAa.	7 Ha	N I L.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.24	1 : 0.24	N I L.
3o	Total area put in use under different heads at the end of year			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5b	Area under backfilling of mined out area	None.	None.	None.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	N I L.
5d	Total area fully reclaimed and rehabilitated	None	None.	N I L.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None.
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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).	It was proposed to comply all the stipulations as per statutory requirements.	The yearly report under rule 23(E) was not submitted for the years 2014--15 and 2015--16.	The violation of rule 23 E (2) OF MCDR 1988 is pointed out to Lessee.
6b	Area available for rehabilitation (ha) .	None	None	None.
6c	afforestation done (ha).	It was proposed to afforest planting 125 plants.	It was observed 200 plants have been planted during the year 2015--16.	None.
6d	No. of saplings planted during the year	200 plants.	1700 saplings were planted.	Cumulative plantation is about 28,700 plants.
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	N I L	N I L.	N I L.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D			
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None.

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 tonnes.	The actual production reported was 41,335 tonnes.	N I L.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	It was propose to operate by way of A OTFM method.	The same was observed as proposed.	None.
7c	Different grade of mineral sorted out at mines.	It was proposed to produse lesss than 55% Fe of lumps and Fines.	The same was observed as reported.	None.
7d	Any beneficiation process at mines .	Except for screening and crushing no other benification was proposed.	The same was observed as proposed.	None.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NONE	None	None.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No generation of Topsoil was proposed.	No topsoil was generated.	N I L.
8b	Concurrent use or storage of topsoil	None	None	None.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	About 4 ha of area is under dumps for OB, Wasterock and rejects.	The same was observed as noticed.	None.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	NONE	None.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	NONE	None.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	About 28,700 plantation were made cumulatively. In the year 2015-16 -1700 saplings were planted.	The same was observed as reported.	None
8g	Survival rate	Survival rate was proposed as per prevailing climatic conditions i.e. 80%.	Survival rate observed as 70%.	None.
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling measures were proposed.	It was observed during inspection that water sprinkling was being carried along the haul roads.	None.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	The monthly and Annual Returns are being submitted by lessee regularly. In the annual return 2015--16, the lessee has reported 41,335 tonnes. Thae ex-mine price for lumps was reported as Rs.1330.15. and Fines it was reported as Rs. 681.49. The reserves as per UNFC reported are as under (111)--5,87,522. tonnes .	In general the figures reported in the annual return are broadly in order.	None.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The Mining Engineer was reported as sri Purushotham and Geologist asSri ANJENEYULU.	The relevent Form I for Appointment have been submitted by the lessee.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit is reported as 7 ha. Area under dumps is reporeted as 4 ha.	The figures reported in the annual return for the said heads are broadly in order.	N I L.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	During the year it was reported that 15,000 tonnes of mineral rejects werрте generated.	The same was observed as reported.	None.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was reported in the annual return 2015--16 54,000 tonnes of ROM was generated. It includes both lumps and Fines with grade less than 55% Fe.	The same was observed as reported.	None.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price for lumps was reported as 1330.15. and for fines it was reported as Rs 681.49.	The same was observed as reported.	None.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets as reported in the annual return was Rs.1,11,08,979	The figures were taken as reported. A assessment was made to check the valuation of the fixed assets.	None.
9k	Scrutiny of Annual return on mining machineries	In the annual return for the year 2015--16 it was reported that the following machinery was being used in the mining operations ; 1. Hydraulic shovel. 2 Wheel LOADER., 3. Three tippers. 4. Four crushers. 5. Two generators.	The mine is being operated as A OFTM and the machinery as reported was observed on the date of inspection.	None.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	13/01/2017				
Rule 23E(2)	13/01/2017				

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines