

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Purushottam, Mines Managaer
Official with
Designation
- (iv) Date of Inspection : 07/11/2015
- (v) Prev.inspection date : 21/07/2014

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 : SRI G.VENKATARAMI REDDY
correspondance 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	No backlog was there for previous year	Same was observed as mentioned above	None
1b	Exploration over lease area for geological axis 1 or 2	during the year it was proposed to carry out 06 boreholes.	It was observed that 06 boreholes have been carried out at a grid interval of 50x50meters with a total meterage of 22 meters.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal was made for 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 1.4.2015 are 728992 tonnes.	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	Carried out exploration as proposed.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it is propped to produce from Pit-1 between gridlines E2136-2314 and N5341-5446m	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
2d	Quantity of topsoil generation in m3	No proposal for generation of topsoil was proposed	There is no generation of topsoil was observed.	None

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Only one pit was proposed	production from one pit only was observed.	None
3b	Quantity of ROM mineral production proposed	It is proposed to generate 53767 tonnes during the year 2014-15.	A production of 53845 tonnes was reported during te year 2014-15.	None
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 minus 45% Fe.	it was reported that 15425 tonnes was reported during the year 2014-15.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Minus 45%	Minus 45%.	
3f	Quantity of sub grade mineral generation.	No generation of subgrade material was proposed.	No material of Subgrade was generated.	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Except for screening and crushing no other method was proposed.	The same was observed as proposed.	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting was proposed at staggered pattern.	The same was observed as proposed.	Nil
3k	Provision of mining machineries in mineral benches	Use of Mining Machinery was proposed	use of Hydraulic shovels, wheel loader, tipper and crusher were observed.	Nil
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	Nil
3m	Total area covered under excavation/pits	6.18 ha	7 ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.22	
3o	Total area put in use under different heads at the end of year	16.45 ha	16 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2011-12-81088 tonnes, 2012-13-64600 tonnes 2013-14-64,600 tonnes 2014-15-53875 tonnes	2011-12-94,900 tonnes 2012-13-51,200 tonnes 2013-14-64600 tonnes 2014-15-53425 tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dumping of Overburden was observed.	Seperate dumping of OB was observed.	None
4b	Location of topsoil, OB and mineral reject dumps	The OB and Mineral reject are proposed to be stacked in waste dump pit-2 by developing step2.	The same was observed as proposed.	Nil
4c	Number of dumps within lease area and outside of lease area	Three waste dumps for OB and three dumps for mineral reject were proposed.	The same observed as proposed.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dumps are proposed to be located on non minerilised area on SE side of the lease area.	The same was observed as proposed	Nil
4e	Number of active and alive dumps.	One active dump	One active dump was observed	Nil
4f	Number of dead dumps.	One dead dump	One dead dump was observed.	Nil.
4g	Number of dumps established.	Three OB dumps and three Mineral reject dumps were noticed.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	One retaining wall was proposed	One retaining wall was made.	Nil
4i	Length of Retaining wall or garland drain all along dumps	it was proposed to construct a retaining wall with 847m lengthx1.5m heightx2m width.	It was observed that a retaining wall of 650mx1m heightx1.5 meter width was noticed.	Nil
4j	Number of settling ponds	None	None	Nil
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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 for backfilling was proposed	No backfilling was noticed during the inspection.	None
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	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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).	It was proposed to comply all the stipulations as per Statutory requirements	Yearly report under rule 23(E) of MCDR,1988 was submitted.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	It was proposed to afforest by planting 125 plants.	it was observed that 2000 plants have been planted during the year 2014-15.	None
6d	No. of saplings planted during the year	125 plants	2000 saplings were planted	Cumulative plantation is about 27000 plants.
6f	Any other method of rehabilitation	None	None	None

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None
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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 53,767 tonnes	The actual production reported was 53,845 tonnes.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	it was proposed 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 produce Less tha 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 beneficiation 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.	-
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 27000 plantation were made cumulatively. In the year 2014-15, 2000 sapling were planted.	The same was observed as reported.	None
8g	Survival rate	Survival rate was proposed as per prevailing climatic conditions i.e. is 70%	Exact percentage of survival rate could not be estimated but broadly it appears to as reported.	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling measures were proposed.	it was observed during the 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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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Area under pit is reported as 7 Ha. Area under dumps is reported as 4 ha.	The figures reported in the Annual return for the said heads are broadly in order.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	During the year 2014-15 it was reported that 200 sapling were planted.	In the lease it was observed that these sapling were planted and cumulative afforestation was reported as 27000 plants covering 3 ha.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	During the year it was reported that 15425 tonnes of mineral rejects were generated.	The same was observed as reproted.	None.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was reported in the Annual return 2014-15 that 53845 tonnes of ROM was generated. It includes both Lumps and fines with grade less than 55% Fe.	The same as reported was observed.	None.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price for lumps was reported as Rs.806.35 and for fines it was reported as Rs.637.24.	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.1,30,69,387 /-	The figures were taken as reported. No assesment was made to check the valuation of the fixed assets.	None.

9k	Scrutiny of Annual return on mining machineries	In the annual return for 2014-15 it was reported that following machinery was being used in the mining operations: 1.Hydraulic shovel.2.Wheel Loader 3.Three tippers. 4. Four Crushers. 5. Two generators(Diesel)	The mine is being operated as A OTFM and the machinery as reported was observed on the day of inspection.	None.
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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 :

(A.V.Ramesh Kumar)

Indian Bureau of Mines