

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/CDP/FE-12/HYD

**Mine code :** 30APR04012

- (i) Name of the Inspecting : **RK13** ) **A.V.Ramesh Kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Sudarshan reddy,Rep. of Lessee.  
Official with  
Designation
- (iv) Date of Inspection : 19/12/2015
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ANIMALA**
- (b) **Registration NO.** : **IBM/13712/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : **ANDHRA PRADESH**  
District : **CUDDAPAH**  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail :  
Phone : **9394341444**
- (f) Police Station : **V N PALLI**
- (g) First opening date : **01/01/2012**
- (h) Weekly day of rest : **SUN**
2. Address for : **Y GOPAL REDDY,H.NO.256-3C-5,CHINNA CHOWK**  
correspondance : **KADAPA**  
: **ANDHRA PRADESH**
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : **IRON ORE** Main  
: **LATERITE** Associated

5. Name and Address of the

Lessee : Y GOPAL REDDY  
CUDDAPAH ANDHRA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 09/06/2009  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	None
1b	Exploration over lease area for geological axis 1 or 2	It was proposed to carry out five boreholes during the first three years up to a depth of 10-20 meters along with a trail pit of 6*3*3 meters dimensions.	During the inspection it was observed that five boreholes have been made and a trial pit of dimension 4*3*3 meters was made.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No expenditure proposals were given in approved document.	During the inspection it was enquired with the lessee and it was informed that the lessee incurred an expenditure of 2 laksh for carrying out the proposed exploration.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	There are no proposals for further exploration, other than the proposed exploration carried out during the first three years.	During the inspection, it was observed that the mineralised area covering the iron ore bands has been explored but the rest of the area which is about 13 ha shown as non mineralised are has to be explored.	None
1e	Balance reserve as on 01/04/20	The reserves as per approved mining plan are 41932 tonnes	The actual position of reserves as on 1.4.2015 is 24532 tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It is proposed to develop two pits.	Two pits are developed.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	A single bench in the OB was proposed to be developed.	A single bench was noticed in the OB	None
2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	There is no proposal for generation of topsoil.	No topsoil was generated	None
2e	Quantity of overburden generation in m3	It is proposed to generate 900 cu.m of waste	About 1100 cu.m of waste was generated.	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It is proposed to produce 7000 tonnes per year from single pit.	It was observed that two pits were made and about 7000 tonnes was produced per year.	None
3b	Quantity of ROM mineral production proposed	It is proposed to produce 7000 tonnes per year	it was noticed that for the first two years 2012-13 and 2013-14 about 7000 tonnes was produced	None
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil

3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	it is proposed to mine by manual method	it is observed that the mining operations are by manual method and ocassionally using jack hammer and blasting.	None
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	It is proposed to carry out ocassinal drilling and blasting	It is noticed that ocassinal drilling and blasting was carried out	None
3k	Provision of mining machineries in mineral benches	None	None	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to carry out manual method of mining.	the single bench of OB is made which is 1 meter hoeight.	None
3m	Total area covered under excavation/pits	2.20 ha	1.10 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	The total are put to use as per approved Mining plan is 2.85 ha	Actual observation is 1.40 ha	None

3p	Production of ROM mineral during the last five year period as applicable	The proposed production for the past three years is as follows 2012-13-7000 tonnes 2013-14-7000 tonnes 2014-15-7000 tonnes	2012-13-7000 tonnes 2013-14-7000 tonnes 2014-15- figures not reported.	None
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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)	A small dump was proposed	A small dump was observed.	None
4b	Location of topsoil, OB and mineral reject dumps	No topsoil is being generated but a OB dump was proposed	No topsoil is being generated but a small OB dump was noticed.	None
4c	Number of dumps within lease area and outside of lease area	One OB dump was proposed	A small OB dump was noticed in the lease.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Location of the dump was not mentioned	A OB dump was noticed on the south east corner of the lease.	None
4e	Number of active and alive dumps.	One dump was proposed.	One dump was noticed.	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	One dump was proposed	One dump was noticed.	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 proposals for backfilling were given.	No backfilling was noticed	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)	No topsoil generation was proposed	No topsoil generation was noticed	None
5d	Total area fully reclaimed and rehabilitated	It was proposed to partly reclaim the pit.	During the inspection it was noticed that there are three pits of dimensions 8*4*2 meters and 4*3*2 meters and 2*2*2 meters were made But no part reclamation was made as the the mineral is persisting in the pits.	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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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 is proposed to submit the data pertaining to environmental protection measures.	Annual report not submitted.A violation letter issued to the lessee.	None
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	It is proposed to carry out 33 plants per year`	It was noticed that 70 plants have been planted	nil
6d	No. of saplings planted during the year	33 saplings per proposed	It was noticed that 70 saplings were planted.	None
6e	Cumulative no .of plants	99 saplings were proposed top plant.	it was noticed that 70 saplings were proposed to be planted.	None
6f	Any other method of rehabilitation	Nil	Nil	Nil

6g	Cost incurred on watch and care during the year	Nil	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	It was proposed to carry out backfilling simultaneously	It is noticed that as pthe mineral is persisitng in the depth,no reclamation by way of backfilling was noticed.	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil



6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	Nil
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 is proposed to generate about 7000 tonnes of iron ore per year.	About 7000 tonnes of iron ore is being produced duirng first two years of plan period and 3000 tonnes duirng the third year.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting of mineral is proposed	No beneficiation practises were noticed.	None

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no proposal for generation of topsoil is given.	No generation of topsoil is noticed.	None
8b	Concurrent use or storage of topsoil	None	None	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)	There is no proposal for any phased restoration or rehabilitation .	No reclamation or rehabilitation measures were noticed.	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Thirty three plants were proposed during the first five year period.	During the inspection it was observed that there is thick bushy type of vegetation along with 25-30 plants, planted by the lessee other than the area degrade by pitting.	None
8g	Survival rate	It was proposed at 80%	it was observed that the survival rte is between 40-50%.	None
8h	Water sprinkling on roads to control airborne dust	None	None	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The Annual returns are not being submitted since 2012-13 to 2014-15.Monthly returns since April 2015.	A violation letter for non-submission of Annual returns and Monthly returns has been issued on 16-02-2016.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No AR and MR submitted.	None	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	None	None	None
9d	Scrutiny of Annual return on afforestation	None	None	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	None	None	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	None	None	None
9h	Scrutiny of Annual return on fixed assets	None	None	None
9k	Scrutiny of Annual return on mining machineries	None	None	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
Rule 23E(2)	16/02/2016				
Rule 45(5)(a )	16/02/2016				
Rule 45(5)(b)	16/02/2016				

**Date :**

**(A.V.Ramesh Kumar)**

Indian Bureau of Mines