INDIAN BUREAU OF MINES MINERALS DEVELOPMENT 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 : ${\tt AP03}$) <code>A.Prabhakar Rao</code>

Officer and ID No.

(ii) Designation : Assistant Mining Geologis

(iii) Accompaning mine : Sri . Sudarsan Reddy, Representative of Lessee

Official with Designation

(iv) Date of Inspection : 13/02/2017
(v) Prev.inspection date : 19/12/2015

PART-I : GENERAL INFORMATION

(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 : APR3277
(b) Lease area : 21.85
(c) Period of lease : 20

(d) Date of Expiry : 19/01/2032

4. Mineral worked : IRON ORE Main

LATERITE Associated

5. Name and Address of the

Lessee : Y GOPAL REDDY

CUDDAPAH ANDHRA PRADESH

Phone: FAX :

Owner : Y.GOPALREDDY

H.NO.256-3C-5, CHINNACHOWK, KADAPA CUDDAPAH ANDHRA

PRADESH

Phone: CELLNO: 939434

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	Five bore holes of 10.0meters to 20.0 meters depth	Five bore holes were drilled upto 20.0 meters depth	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
1b	Exploration over lease area for geological axis 1 or 2	Geological AXIS 1	Geological AXIS 1	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
1c	Exploration Agencies and Expenditure in lakh rupees during the year	N ot given in t6he app0roved Mining plan	Not informed by the lessee	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
1d	Balance area to be explored to bring Geological axis in 1 or 2	5.0 Hectars	5.0 hectars	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
1e	Balance reserve as on 01/04/20	32046 t0nnes of Iron Ore	47863 tonnes of Iro Ore	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
1f	General remarks of inspecting officers on geology, exploration etc	The proposals made in the earlier document approved on19.06.2009 will expire4s on 31.03.2017	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

Development :

Sl.No.	Item	Propasals	Actual work	Remarks

2a	Location of development w.r.t.lease area	O.B.benches	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches were proposed in O.B. and in Mineral	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
2c	Stripping ratio or ore to OB ratio	1:2	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
2d	Quantity of topsoil generation in m3	No top soil was available / generated during the mining operations	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand
2e	Quantity of overburden generation in m3	Mineral waste 16980 Cubic meters	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

2f General remarks Mine was of inspecting officers on development of pit w.r.t. type 15.01.2016

NILtemporary discontinued w.e.f. of deposit etc due to lack of demand.

Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit NO 2 was proposed Length=190meters x Width 2.0 meters	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand	During the inspection it was observed that two old pits are found dimensions are as follows pit nol formed in west side of the M.L.area length =10.0 metersx Width =2.0 meters pit no2 formed in East side of the M.L.area length =50.0 meters pit no2 formed in East side of the M.L.area length =50.0 metersx Width =10.0 metersx Width =10.0 meters Depth=3.0 meters Depth=3.0 meters Depth=3.0 meters Depth=3.0 meters Depth=3.0 meters Depth=3.0 meters Violation of Rule 11(4) of MCDR 2017 was observed violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

3b	Quantity of ROM mineral production proposed	7161 tonnes of Iron Ore	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3c	Recovery of sailable/usable mineral from ROM production	90%	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3d	Quantity of mineral reject generation	299 tonnes	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3e			Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

3f	Quantity of sub grade mineral generation.	No proposals were made in the Approved Mining plan	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3g	Grade of sub grade mineral generation	No proposals wetre made in the Approved Mining plan	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed for segregation from ROM	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals were made in the Approved Mining Plan	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
3ј	Provision of drilling and blasting in mineral benches	This is aopencast manual mine	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.

3k	Provision of mining machineries in mineral benches	This is a opencast manual mine	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches in overburden and mineral suitable for method of mining proposed in Approved Mining plan	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
3m	Total area covered under excavation/pits	0.0382 Hectars	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. old excavations 0.520 hectars observed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
3n	Ore to OB ratio for the pit/mine during the year.	1:2.0	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
30	Total area put in use under different heads at the end of year	0.038 hectars forexcavations	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
3p	Production of ROM mineral during the last five year period as applicable	2014-15=7026t, 4)2015- 16=7161t,	1)2012-14=7500t. 2)2013- 14=7200t, 3) 2014- 15=3000t, 4)2015-16=*, 2016-17=* * Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
3q	General remarks of inspecting officers on method of mining etc.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals were made in the Approved Mining plan	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4b	Location of topsoil, OB and mineral reject dumps	The O.B. and mineral waste used for backfilling of the workedout pits on down dip side	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4c	Number of dumps within lease area and outside of lease area	One dump was proposed	A small O.B.dump was noticed in the M.L.area	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Location of the dump was not mentioned in the Approvee Mining plan	A.dump was noticed on the South East corner of the lease area	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4e	Number of active and alive dumps.		One dump was noticed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	One dump was proposed	One dump was noticed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals were made in the Approved Miniing plan	Not constructed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4i	Length of Retaining wall or garland drain all along dumps	NONE	NONE	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.
4 j	Number of settling ponds	No proposals were made in theApproved Mining plan	NIL	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.

4k Specific NIL comments of inspecting officer on waste dump management

Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.

Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

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 made in the Approved Mining plan	No backfilling was found during the inspection	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
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 top soil generation was proposed in the Approved Mining Plan	No top soil generation was observed during the inspection	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

5d	Total area fully reclaimed and rehabilitated		No part reclamation was carriedout as the mineralis persisting in the pits	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

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).	proposed to submit the data	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.7	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL

6c	afforestation done (ha).	It was proposed to carryout 33 plants per year	It wasfound that 100 plantas were plated	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
6d	No. of saplings planted during the year	33 sapplings were proposed per year	It was noticed that 70 sapplings were planted during the year	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
6e	Cumulative no .of plants	132 sapplings were proposed	It was noticed that 100 sapplings were proposed to be plant	
6f	Any other method of rehabilitation	NIL	NIL	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
6g	Cost incurred on watch and care during the year	proposed to carryout backfilling	It is noticed that as the mineral is persisting in the depth . no reclamation by way of backfilling was noticed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	NIL
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)Afforestati on on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL
61	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
60	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	NIL

бр	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.	NIL	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to generate 7000tones of Iron Ore	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No manual sarting of mineral propose4d	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

7c	Different grade of mineral sorted out at mines.	No sorting of mineral is proposed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
7d	Any beneficiation process at mines .	No beneficiation process at mines was proposed	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand.	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

Actual work

Remarks

Environment:

Item

Propasals

Sl.No.

8a	Separate removal and utilization of topsoil (Rule 32)	were made in	ere made in noticed Le Approvee Mine was temporary	
8b	Concurrent use or storage of topsoil	NONE	NONE	NONE
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	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)	No prosals were made in the Approved Mining Plan	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	33 NO.S Sapplings were proposed to plant per year	During the I8NSPECTION It was observed that there is thick busy type of vegetation along with safty barrier zone70 no s sapplings were planted by the lessee	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

8g	Survival rate	80%	50%	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
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	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. 7	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns from April 2015 ,Annual Return for the year 2015-16 not received from lessee		Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	RECEIVED FROM	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	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NONE	NONE	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017
9h	Scrutiny of Annual return on fixed assets	NONE	NONE	Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

9k Scrutiny of NONE
Annual return on
mining
machineries

NONE

Mine was temporary discontinued w.e.f. 15.01.2016 due to lack of demand. Violation letter for violation of Rule 11(4) of MCDR 2017 was observed violation letter was issued to the lessee on 12.04.2017

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

Violation	n observed				Show	couse position
Rule NO.	Issued on	Compliance	on	Rule	NO.	Issued on Compliance on
MCDR17 Rule 11(4)	12/04/2017			MCDR17	Rule	11(412/04/2017

Date :

(A.Prabhakar Rao)

Indian Bureau of Mines