

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/CDP/Fe-2/HYD

Mine code : 30APR04002

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 18/06/2018
- (v) Prev.inspection date : 19/09/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHABALI (88.395H)**
- (b) **Registration NO.** :
- (c) Category : A Other Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : CUDDAPAH
Village : CHABALI
Taluka : PENDLI MARRI
Post office : CHOUTA PALLI
Pin Code : 516218
FAX No. : 08562-244161
E-mail :
Phone : 9440164225
- (f) Police Station : PENDLIMARRI
- (g) First opening date : 15/10/2003
- (h) Weekly day of rest : SUN
2. Address for : K.RAJA MOHAN REDDY
correspondance : 1/397-1,COURT ROAD,CUDDAPAH.
3. (a) Lease Number : APR2476
- (b) Lease area : 88.39
- (c) Period of lease : 20
- (d) Date of Expiry : 06/12/2021
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : K.RAJAMOHAN REDDY
1/397-1 COURT ROAD
CUDDAPAH ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining : Modif.of approved Mining Plan 23/01/2008
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 09/03/2011
Mining Scheme rule 12 MCDR1988 28/03/2011
Mining Scheme rule 12 MCDR1988 11/11/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	50.0754 Ha	53.25 Ha	NIL
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2017 is 7826635.98 t	Balance reserves as on 01.04.2017 is 7826635.98 t	Nil
1f	General remarks of inspecting officers on geology, exploration etc	No comments	Exploration proposal for the year 2016-17 have been complied.	Exploration proposal for the year 2017-18 have been complied.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1601800 - 1602400 & E240800 -- 241200	N1601800 - 1602400 & E240800 -- 241200	No deviation observed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	2 benches of 6m height	2 benches of 6m height	NIL
2c	Stripping ratio or ore to OB ratio	1:0.43	1:1.44	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	2,15,625.80 M3	2,12,385 M3	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Nil	At the time of finalisation of the report, it was observed that the violation & show cause notice for rule 11(1) of MCDR, 2017(lessee not paid the differential amount of financial aurance) issued on 19.04.2018 & 07.06.2018 respectively. Subsequently, the mine was suspended vide this office leter no. AP/CDP/Fe-2/Hyd dated 17.09.2018.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 PITS	2PITS	NIL
3b	Quantity of ROM mineral production proposed	6,93,000.96 tons	3,33,624.00 tons	Lessee informed that due to lack of demand in market for iron ore.
3c	Recovery of sailable/usable mineral from ROM production	4,95,452.16 tons	1,36,731.00 tons	Due to lack of demand in market for iron ore.
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No mineral reject will be generated	No mineral reject generated	NIL
3f	Quantity of sub grade mineral generation.	No subgrade will be generated	No subgrade generated	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL

3h	Manual / Mechanised method adopted for segregating from ROM	Manual & Mechanised	Manual & Mechanised	NILManual & Mechanised
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No analysis or beneficiation study will be done as there is no sub grade or mineral reject generation.	No analysis or beneficiation study has been carried out, as there is no sub grade or mineral reject generation.	No analysis or beneficiation study has been carried out, as there is no sub grade or mineral reject generation.
3j	Provision of drilling and blasting in mineral benches	Yes, there is provision of drilling and blasting in the present scheme of mining.	Drilling and blasting has been used for production & development	NIL
3k	Provision of mining machineries in mineral benches	Excavator- 09 nos Wheel loaders - 01 Jack hammer- 06 Tractor mounted compressor - 04 Tippers - 16 Crushing & screening plant - 01 Water tanker - 01 Generator- 01	Back Hoe-2 Nos Tippers- 9 Nos Water tanker-1No	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES	NIL
3m	Total area covered under excavation/pits	56,935 M2	35,283 M2	--
3n	Ore to OB ratio for the pit/mine during the year.	1:0.43	1:0.43	NIL
3o	Total area put in use under different heads at the end of year	22.393 ha	20.2283 ha	NIL

3p	Production of ROM mineral during the last five year period as applicable	2016-2017:(OB+ORE) 24,48,619.284 tons 2017-2018:(OB+ORE) 9,69,828.92 tons	2016-2017: (OB+ORE) 3,30,925.00 tons 2017-2018:(OB+ORE) 4,51,212.00 tons	The review of mining plan was approved on 11.11.2016. Hence the information is furnished for two years only
3q	General remarks of inspecting officers on method of mining etc.	Mining is proposed with opencast method of mining	The Mining operations were carried out by Other than fully mechanized open cast methods as per the proposal envisaged in the Scheme of Mining approved on 11.11.2016.	The Mining operations were carried out by Other than fully mechanized open cast methods as per the proposal envisaged in the Scheme of Mining approved on 11.11.2016.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil: NA Mineral reject :NA OB dump:1 Intercalated waste:1	OB dump:01 Intercalated waste:1	NIL
4b	Location of topsoil, OB and mineral reject dumps	N 1601400-1601800 & E 240400-240600	N 1601360-1601730 & E 240380-240580	NIL
4c	Number of dumps within lease area and outside of lease area	With in the lease area:2 nos Out side lease: Nil	With in the lease area:2 nos Out side lease: Nil	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	NIL
4e	Number of active and alive dumps.	2 dumps	1 dump	It is observed that only one active & alive dump is existed in the lease area.
4f	Number of dead dumps.	1	1	NIL
4g	Number of dumps established.	1	1	NIL

4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	NIL
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 938m Garland drain: 1483m	Retaining wall: 938m Garland drain: 1483m	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	At present only one dump i.e. OB dump No.1 is active and OB is being dumping over the same dump.	NIL

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.	Yes minear1 has been fully extracted before backfillg.	Yes, mineral has been fully extracted before backfilling.	Nil
5b	Area under backfilling of mined out area	7.5m buffer zone towards NE & NW portion of lease & 3 old excavated pits	7.5m buffer zone towards NE & NW portion of lease & 3 old excavated pits	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Topsoil Will Be Generated	No Topsoil Generated	NIL
5d	Total area fully reclaimed and rehabilitated	No proposal for reclamation & rehabilitation during reporting year 2017-18	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	None of the quarry is exhausted completely. No proposal for reclamation & rehabilitation during reporting year	NIL

 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).	Not submitted the Annual report on PMCP for 2017-18.	Not submitted the Annual report on PMCP for 2017-18.	The necessary violation is being pointed out.
6b	Area available for rehabilitation (ha) .			
6d	No. of saplings planted during the year	700 Saplings	100 saplings	Afforestation not done as proposed. The necessary violation is being pointed out.

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting proposed within lease area.	Gradewise sorting within leasearea	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual & mechanical	Manual & mechanical	Nil
7c	Different grade of mineral sorted out at mines.	Yes	Yes	Nil
7d	Any beneficiation process at mines .	Yes, crushing	Crushing	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The screening , sizing and sorting is proposed.	No sub grade material generation during the reporting year 2017-18	No sub grade material generation during the reporting year 2017-18.

 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of topsoil generation.	No topsoil has been Generated	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of over burden, waste rock has been proposed. OB: 1nos IW: 1nos	As per proposal. OB: 1nos IW: 1nos	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Back filling proposed	Backfilling done	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes, 0.70 Ha 700 Saplings	0.10 ha. 100 saplings	It is observed during the inspection only 100 saplings were planted against 700 no. of saplings.for the year 2017-18.
8g	Survival rate	80%	20%	--
8h	Water sprinkling on roads to control airborne dust	To control the airborne dust, water sprinkling is proposed on the road	Observed as per proposal.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No comment	The aesthetic beauty and around mines is maintaining	The aesthetic beauty in and around mines is maintaining

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted up to August - 2018 Mining engineer/ Mines Manager: Sri J.Nagaraju Geologist: Sri A.Ramakrishnai ah	Notice of appointment of Mines manager not submitted.	Notice of appointment of Mines manager not submitted. The necessary violation is being pointed out
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer/ Mines Manager: Sri J.Nagaraju Geologist: Sri A.Ramakrishnai ah	Notice of appointment of Mines manager not submitted.	Notice of appointment of Mines manager not submitted. The necessary violation is being pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workings=12 ha. Used for waste disposal =4 ha. Plantation=0.7 0ha. Work done under progressive mine closure plan during the year=3.528 ha	Covered under current workings=12 ha. Used for waste disposal =4 ha. Plantation=0.10ha. Work done under progressive mine closure plan during the year=3.528 ha	-
9d	Scrutiny of Annual return on afforestation	plantation:0.7 00 ha	0.10 ha.	Proposed plantation for 2017-18 not achieved. The necessary violation is being pointed out.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral rejects or sub grade generation for reporting year..	No mineral rejects or sub grade generation for reporting year..	No mineral rejects or sub grade generation for reporting year..
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM:84762t Lumps:35726t Fines:57341 t	Found to be in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	production cost:Rs550.98 Ex.Mine price:Rs755.00 sale value:1638375	Found to be in order.	Nil
9h	Scrutiny of Annual return on fixed assets	Rs 6,50,000.00	Found to be in order.	Nil
9k	Scrutiny of Annual return on mining machineries	Back Hoe -2 Nos Tippers - 9 Nos Water Tanker - 1 No.	Found to be in order.	Nil

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 :

(D.P.Ravi kumar)

Indian Bureau of Mines