

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-178/HYD

Mine code : 38APR11129

- (i) Name of the Inspecting : **PG01**) **P.GURUVAIAH**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI M.BOREDDY** MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 29/11/2018
- (v) Prev.inspection date : 03/02/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHERUVUPALLI(3.255 HA)**
- (b) **Registration NO.** : **IBM/668/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **KURNOOL**
Village : **PALUKUR**
Taluka : **BANAGANAPALLI**
Post office : **PALUKUR**
Pin Code : **518124**
FAX No. : **08516-276242**
E-mail : **seshasaimining@yahoo.com**
Phone : **08516-273042**
- (f) Police Station : **BANGANAPALLI**
- (g) First opening date : **02/06/2008**
- (h) Weekly day of rest : **SUN**
2. Address for : **Buggana Rajendranath**
correspondance : **12/76Gollapeta, Betamcherla, Dhone**
3. (a) Lease Number : **APR2827**
- (b) Lease area : **3.25**
- (c) Period of lease : **20**
- (d) Date of Expiry : **29/10/2027**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : B.RAJENDRANATH
B.RAJENDRANATH, H.NO:10/161
BETHAMCHERLA, KURNOOL DT.
KURNOOL ANDHRA PRADESH
Phone:08516-273023
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18/05/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	14/08/2013
	:	MP modif under 17(3) MCR 2016	04/07/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	No exploration proposal.
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Exploration work is already completed by 8 pits.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	Exploration work is already completed by 8 pits.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Exploration work is already completed by 8 pits.
1e	Balance reserve as on 01/04/20	Proved (111) - 42,931 tonnes. possible(211) - 50,422 tonnes.	proved (111)-37,921 tonnes. possible (211)-50,422 tonnes.	-
1f	General remarks of inspecting officers on geology, exploration etc	No proposal.	Nil	Exploration work is already completed by 8 pits.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	A-A section.	Same work carried out.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Two benches ore.	Two benches in ore.	-
2c	Stripping ratio or ore to OB ratio	1 : 0 . 22	1 : 0 . 2	-
2d	Quantity of topsoil generation in m3	1790 tonnes.	Nil	-
2e	Quantity of overburden generation in m3	No proposal.	Nil	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	A-A section	Same work carried out as proposal.	-
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	-
3b	Quantity of ROM mineral production proposed	8000 tonnes.	5010 tonnes.	-
3c	Recovery of sailable/usable mineral from ROM production	Recovery of sailable mineral from ROM is 95%	The entire ROM is sailable.	-
3d	Quantity of mineral reject generation	No proposal.	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method.	Manual method.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	-
3j	Provision of drilling and blasting in mineral benches	No proposal of drilling & blasting	Nil	It is B category of Manual mine with 1.5 mt bech height.

3k	Provision of mining machineries in mineral benches	No proposal.	Nil	It is B category of Manual mine with 1.5 mt bech height.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal.	Nil	It is B category of Manual mine with 1.5 mt bech height.
3m	Total area covered under excavation/pits	0.4650 ha	0.2240 ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0 . 22	1 : 0 . 2	-
3o	Total area put in use under different heads at the end of year	Mining- 2.415 ha roads- 0.840ha	Mining- 2.415 ha roads- 0.840ha	-
3p	Production of ROM mineral during the last five year period as applicable	2013-14-42493 tonnes 2014-15-7931 tonnes 2015-16-7931 tonnes 2016-17-8000 tonnes 2017-18-8000 tonnes	2013-14-42290 tonnes 2014-15-6900 tonnes 2015-16-5224 tonnes 2016-17-5710 tonnes 2017-18-5010 tonnes	-
3q	General remarks of inspecting officers on method of mining etc.	Open cast B manual method.	Open cast B Manual method.	-

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 1790 tonnes	750 tonnes	-
4b	Location of topsoil, OB and mineral reject dumps	South Western side	South Western side	-

4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	-
4e	Number of active and alive dumps.	No proposal.	Nil	-
4f	Number of dead dumps.	No proposal.	Nil	-
4g	Number of dumps established.	No proposal.	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	-
4j	Number of settling ponds	No proposal.	Nil	-
4k	Specific comments of inspecting officer on waste dump management	No waste dump proposal.	Nil	Top soil generation is utilized for safety zone.

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.	Nil	The area has not been done fully mineral extraction.
5b	Area under backfilling of mined out area	No proposal.	Nil	The area has not been done fully mineral extraction.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposal for restoration of safety zone.	750 tonnes	The area has not been done fully mineral extraction.

5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	The area has not been done fully mineral extraction.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	The area has not been done fully mineral extraction.

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 submitted on time.	As proposed submitted.	-
6b	Area available for rehabilitation (ha) .	0.4650 ha	Rain water harvesting pit.	The area is not matured.
6c	afforestation done (ha).	0.05 ha	0.05 ha	-
6d	No. of saplings planted during the year	50 no of plants.	50 no of plants.	-
6e	Cumulative no .of plants	250 no of plants.	50 no of plants.	-
6f	Any other method of rehabilitation	No proposal.	Nil	The area is not matured for rehabilitation.
6g	Cost incurred on watch and care during the year	Rs-2500	Nil	The area is not matured for rehabilitation.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Restoration of safety zone.	750 tonnes.	The area is not matured for rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Restoration of safety zone.	750 tonnes.	The area is not matured for rehabilitation.

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	Restoration of 50 no of plants. safety zone.			The area is not matured for rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil		The area is not matured for rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil		The area is not matured for rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil		-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil		-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil		-
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes.	yes.		-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Submitted.	Submitted.		-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	8000 tonnes.	5010 tonnes.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual sorting.	manual sorting.	-
7c	Different grade of mineral sorted out at mines.	No proposal.	Nil	The entire ROM despatch to stock yard.
7d	Any beneficiation process at mines	Manual Sizing and Sorting	Manual Sizing and Sorting	Manual Sizing and Sorting
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Manual Sizing and Sorting	Manual Sizing and Sorting	Manual Sizing and Sorting

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1790 tonnes	750 tonnes	-
8b	Concurrent use or storage of topsoil	Restoration of safety zone.	Restoration of safety zone.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 no plants.	50 no of plants.	-
8g	Survival rate	Not Specified.	70%	-
8h	Water sprinkling on roads to control airborne dust	yes.	yes.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Except degraded land rest of the aera not distrubed.	Except degraded land rest of the aera not distrubed.	Except degraded land rest of the aera not distrubed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted Monthly, Annual returns.	Submitted Monthly, Annual returns.	Submitted Monthly, Annual returns.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Bramha Naidu, Mines manager, Jilani, Mining Engineer, G.Harendra , Geologist.	Bramha Naidu, Mines manager, Jilani, Mining Engineer, G.Harendra , Geologist.	Bramha Naidu, Mines manager, Jilani, Mining Engineer, G.Harendra , Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Current workings-2.415 ha Roads-.840 ha.	Current workings-2.415 ha Roads-.840 ha.	Current workings-2.415 ha Roads-.840 ha.
9d	Scrutiny of Annual return on afforestation	50 no of plants.	50 no of plants.	-

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Given	Not Given	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	5010 tonnes.	5010 tonnes.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. mine price-Rs-280/ cost Of prod.- Rs-242/	Ex. mine price-Rs-280/ cost Of prod.-Rs-242/	Ex. mine price-Rs-280/ cost Of prod.-Rs-242/
9h	Scrutiny of Annual return on fixed assets	Yes.	Yes.	-
9k	Scrutiny of Annual return on mining machineries	B category manual mining method.	B category manual mining method.	-

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

Date :

(P.GURUVAIAH)

Indian Bureau of Mines