

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 25/03/2017
- (v) Prev.inspection date : 11/03/2015

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 : 40.48
- (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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal was there for 2016-17	No exploration was carried out during 2016-17	None
1b	Exploration over lease area for geological axis 1 or 2	Entire lease is under G1 scale of exploration	As the entire lease area is under G1 scale of exploration, no further exploration is required.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	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	19373 tonnes	19373 tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	During the year 2016-17 it was proposed to work from 253 to 248 RL	The same was observed during the inspection.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil was generated or waste was generated.	None	None
2d	Quantity of topsoil generation in m3	No topsoil generation proposal was given	No topsoil was generated during the year 2016-17	None
2e	Quantity of overburden generation in m3	None	None	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	It was proposed to carry out mining operations as per the earlier exisitng pit.	It was noticed that the mining operations are being carried out as per the proposal.	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 8000 tonnes during the year 2016-17.	The production reported duirng 2016-17 was 5240 tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	The proposed recovery is 95%.	The entire ROM generated is saleable.	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to carry out mining operations by way of Manual method of mining.	It was noticed that the mining operations are being carried out by way of Manual method of mining.	None

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	None	None	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	Yes	Yes	None
3m	Total area covered under excavation/pits	0.250 ha	0.2240 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	--	---	---
3p	Production of ROM mineral during the last five year period as applicable	2012-13-55980 tonnes 2013-14-42493 tonnes 2014-15-7931 tonnes 2015-16-7931 tonnes 2016-17-8000 tonnes	2012-13-55980 tonnes 2013-14-42290 tonnes 2014-15-6900 tonnes 2015-16-5224 tonnes 2016-17-5710 tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.	None	None	The mine is working more or less as per the proposals made in the approved document.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	None	None	None

4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
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.	Partial mined out land was available which was propsoed to be backfilled	It was observed that partial mined out land has been reclaimed by way of backfilling.	None
5b	Area under backfilling of mined out area	It was proposed to have 0.74 ha backfilled during the end of 2016-17 plan period.	it was reported that 0.151 ha has been reclaimed by the end of 2016-17 plan period.	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	it was proposed to reclaim 0.74 ha	it was reported that 0.151 ha has been recalimed	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 submit all reports regularly	The report was submitted	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	The total afforestation proposed duirng 2016-17 was 50.	The actual plantation carried out was 30	None
6d	No. of saplings planted during the year	50	30	None
6e	Cumulative no .of plants	250	200	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	None	it was reported that an expenditure of 30000/- was incurred duirng 2016-17	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.74 ha	0.151 ha	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	None	None	None
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 was proposed to produce 8000 tonnes duirng 2016-17	Actual production reported duirng 2016-17 was 5690 tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting was proposed	No grade wise sorting was observed.The entire material was saleable	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	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)	None	None	None

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)	It was proposed to backfill 0.05 ha during 2016-17	The same was backfilled during the year	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Non	Excpet for the few plantations made by lessee no other vegetation was noticed.	None
8g	Survival rate	80%	60%	none
8h	Water sprinkling on roads to control airborne dust	Water psrinkling for dust suppression was observed.	water sprinkling measures for dust supression were noticed	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	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	All monthly and Annual returns are submitted regulary	It was observed that all monthly and annual returns are submitted regulary.All the general information data is filled in properly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Enginner or Geologist was employed in the mine	It was noticed that a Mines Manager named Sri Bhrama Naidu was employed in the mine	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	It was proposed to cover 2.160 ha under mining.It was proposed to cover 074 ha by the end of 2016-17 plan period.	It was noticed that 1.187 ha is under mining.Further it was noticed that 0.151 ha was reclaimed by the end of 2016-17.	None
9d	Scrutiny of Annual return on afforestation	It was reported in the annual return of the year 2015-16 that 50 plants were planted	It was observed that only 30 plantswere planted duiring the year	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	It was proposed to produce 8000 tonnes duiring 2016-17	It was reported that 5690 tonnes was produced duiring 2016-17	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	It was reported in the annual return 2015-16 that the ex-mine price was Rs.155/-	The same was observed.	None
9h	Scrutiny of Annual return on fixed assets	It was reported that figure was fixed assets was not mentioned in annual report 2016-17.	The same was noticed.	None

9k	Scrutiny of Annual return on mining machineries	No machinery was proposed to be used or reported	No machinery was observed duirng the inspection.	None
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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
MCDR17	Rule 11(4)	30/03/2017	19/05/2017			

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

Indian Bureau of Mines