

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-180/HYD

**Mine code :** 38APR11131

- (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 : 30/11/2018
- (v) Prev.inspection date : 03/02/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PALKUR(2.25 HA) MINE**
- (b) **Registration NO.** :
- (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)273042,9440294104**
- (f) Police Station : **BANGANAPALLI**
- (g) First opening date : **01/04/2008**
- (h) Weekly day of rest : **SUN**
2. Address for : **B.Rajendranath,mineowner,h.no.10/161**  
correspondance : **Bethamcherla (po),kurnool dt AP -518599**
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 :

Owner : B.RAJENDRANATH  
MINE OWNER, H.NO:10/161  
BETHAMCHERLA KURNOOL, AP.  
KURNOOL ANDHRA PRADESH  
Phone: 08516-273042  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18/05/2007
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	18/10/2012
		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	-
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	-
1e	Balance reserve as on 01/04/20	proved- 2,17,823 tonnes. probable- 25841 tonnes remaining resources- 1,45,418 tonnes.	proved -210143 tonnes. proved- 2,17,823 tonnes. probable-25841 tonnes remaining resources- 1,45,418 tonnes.	-
1f	General remarks of inspecting officers on geology, exploration etc	No proposal.	Nil	-

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	C-C, D-D,&E-E.	As proposed sections workings carried out.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Two benches in ore	As proposed same work carried out.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.15	1 : 0.2	-
2d	Quantity of topsoil generation in m3	965 tonnes.	Nil	Whatever top soil generated in earlier period is utilised for plantation.

2e	Quantity of overburden generation in m3	2000 tonnes.	750 tonnes.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	C-C, D-D, & E-E.	As proposed same work carried out.	-

### 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	20,000 tonnes.	7,680 tonnes.	-
3c	Recovery of sailable/usable mineral from ROM production	98%	98%	-
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 sizing and sorting.	Manual sizing and sorting.	-
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	Occasionally drilling and with jack Hammer and muffle blasting will be carried out in hard strata.	Occasionally drilling and with jack Hammer and muffle blasting will be carried out in hard strata.	-
3k	Provision of mining machineries in mineral benches	No proposal.	Nil	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal.	Nil	-
3m	Total area covered under excavation/pits			

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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)	0.300 HA	750 tonnes.	-
4b	Location of topsoil, OB and mineral reject dumps	one dump eastern side of the mine	one dump eastern side of the mine.	-
4c	Number of dumps within lease area and outside of lease area	One dump with in mining lease.	One dump with in mining lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	one dump	one dump.	-
4e	Number of active and alive dumps.	one dump	one dump	-
4f	Number of dead dumps.	Not available.	Not available.	.
4g	Number of dumps established.	one dump	one dump	-

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	one dump	one dump	-

#### 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	0.30 ha backfilled area & dump comes under restricted area for mining operations due to 50m safety barrier of GNss canal.
5b	Area under backfilling of mined out area	No proposal.	Nil	0.30 ha backfilled area & dump comes under restricted area for mining operations due to 50m safety barrier of GNss canal.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	0.30 ha backfilled area & dump comes under restricted area for mining operations due to 50m safety barrier of GNss canal.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	0.30 ha backfilled area & dump comes under restricted area for mining operations due to 50m safety barrier of GNss canal.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	0.30 ha backfilled area & dump comes under restricted area for mining operations due to 50m safety barrier of GNss canal.
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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).	Annual report on PMCP has to bo submitted.	Annual report on PMCP has to bo submitted.	It is B category Manual mine.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	-
6c	afforestation done (ha).	0 . 06 ha	Nil	-
6d	No. of saplings planted during the year	20 no of plants.	Nil	-
6e	Cumulative no .of plants	Not specified.	Nil	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	Rs 1000/	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	210 m formation of bund	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not specified.	Nil	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal.	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not specified.	Nil	Area is not matured for rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	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)	No proposal.	Nil	It is B category manual mine.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Annual report on PMCP has to be submitted.	Annual report on PMCP has to be submitted.	It is B category manual mine.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	The sizing and sorting of the ROM by manual.	The sizing and sorting of the ROM by manual.	The sizing and sorting of the ROM by manual.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	The sizing and sorting of the ROM by manual.	The sizing and sorting of the ROM by manual.	The sizing and sorting of the ROM by manual.
7c	Different grade of mineral sorted out at mines.	The sizing and sorting of the ROM by manual.	The sizing and sorting of the ROM by manual.	-
7d	Any beneficiation process at mines	No proposal.	Nil	The sizing and sorting of the ROM by manual.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation proposal.	Nil	The sizing and sorting of the ROM by manual.

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	965 tonnes.	Nil	-
8b	Concurrent use or storage of topsoil	965 tonnes.	Nil	whatever top soil generated earlier years utilized for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	2000 tonnes of waste generation.	750 tonnes.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	2000 tonnes of waste	750 tonnes.	-

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)	On safty zone 210 plant over an area of 0.15hect , on back filled area 300 plants proposed	On safty zone 210 plant over an area of 0.15hect , on back filled area 300 plants proposed	-
8g	Survival rate	50 no plants.	Nil	-
8h	Water sprinkling on roads to control airborne dust	Not specified.	One water tanker was having 12.0 K.L. (capacity )was used for water sprinkling to control Air borne dust	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Formation of bund on safety zone.	Nil	-

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly annual returns submitted.	Monthly annual returns submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes, A. Rami Reddy, Mines Manager, S.Jilani, Mining Engineer, G.Harendra, Geologist.	Yes, A. Rami Reddy, Mines Manager, S.Jilani, Mining Engineer, G.Harendra, Geologist.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes, given.	Yes, Given.	-
9d	Scrutiny of Annual return on afforestation	50 no of plants , 70 %	50 no of plants , 70%	-

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	7680 tonnes.	7680 tonnes.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. mine price- Rs-280/, cost of production- Rs-200/	Ex. mine price- Rs-280/, cost of production- Rs-200/	-
9h	Scrutiny of Annual return on fixed assets	Yes, Given.	Yes, Given.	-
9k	Scrutiny of Annual return on mining machineries	None.	None.	It is B- category Manual mine.

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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

**Date :**

(P.GURUVAIAH)

Indian Bureau of Mines