

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-142/HYD

**Mine code :** 38APR11037

- (i) Name of the Inspecting : **S41** ) **Y M SIVA PRASAD**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Borreddy, Mines Manager.  
Official with  
Designation
- (iv) Date of Inspection : 17/03/2018
- (v) Prev.inspection date : 18/08/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PALUKUR (S.NO.54)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : PALUKUR  
Taluka : BEGANAPALLY  
Post office : PALUKUR  
Pin Code : 518598  
FAX No. : 08516276242  
E-mail :  
Phone : 08516-273042
- (f) Police Station : NANDAVARAM
- (g) First opening date : 14/10/2001
- (h) Weekly day of rest : SUN
2. Address for : B.RAJENDRANATH, Mine owner  
correspondance : D.N-10/161, At/po- Bethamcherla  
Dist -Kurnool, A.P
3. (a) Lease Number : APR1272
- (b) Lease area : 4.05
- (c) Period of lease : 20
- (d) Date of Expiry : 09/04/2017
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 :

## Manager

Name : B. BOREDDY  
 Qualification : DIP IN MINING  
 Appointment/ : 01/01/2006  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27/07/2000
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	16/11/2005
	:	MP review under 17(1) MCR 2016	29/09/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	---	
1b	Exploration over lease area for geological axis 1 or 2	No proposals	N I L.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals.	N I L	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N I L	N I L	
1e	Balance reserve as on 01/04/20	92,194. tonnes.	76,984 tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Cross sections E-E' & F-F'. N 1705708 to 1705807. E 205586 to 205699.	Cross sections E-E' & F-F'. N 1705708 to 1705807. E 205586 to 205699.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals.	There are no top soil and OB benches.	
2c	Stripping ratio or ore to OB ratio	1 : 0.11	1: 0.10	
2d	Quantity of topsoil generation in m3	275 tonnes.	250 tonnes	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			

## 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	12,000 tonnes	7,520 tonnes (Upto Feb.2018)	
3c	Recovery of sailable/usable mineral from ROM production	100%.	95%	
3d	Quantity of mineral reject generation	No proposals.	N I L	
3e	Grade of mineral rejects generation and threshold value declared.	Does not arise.	---	
3f	Quantity of sub grade mineral generation.	No proposals.	N I L	
3g	Grade of sub grade mineral generation	Does not arise.	N I L	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	N I L	
3j	Provision of drilling and blasting in mineral benches	Manual method by Jack hammer drilling and blasting & loading will be done by manually.	Manual method by Jack hammer drilling and blasting & loading is done by manually..	
3k	Provision of mining machineries in mineral benches	No proposals	---	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed.	Yes. Suitable for method of mining as proposed in Scheme of Mining.
3m	Total area covered under excavation/pits	3.422 ha.	3.201ha.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.11	1 : 0.10
3o	Total area put in use under different heads at the end of year	3.201 ha	3.201 ha.
3p	Production of ROM mineral during the last five year period as applicable	2013-14 : 12,000 t. 2014-15 : 12000 t. 2015-16 : No approved proposals. 2016-17 : 12,000 t. 2017-18 : 12,000 t.	2013-14 : 8,800 t. 2014-15 : 7667 t. 2015-16 ; 3990t. 2016-17 : 7690 t. 2017-18 : 7520 t (Upto Feb. 2018).
3q	General remarks of inspecting officers on method of mining etc.		

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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)	No proposal	There is generation of top soil and the same is utilised for formation of bund along the safety barrier and to suport the plantation.	
4c	Number of dumps within lease area and outside of lease area	No proposals.	N I L	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposals.	N I L	

4e	Number of active and alive dumps.	No proposals	N I L
4f	Number of dead dumps.	No proposals	N I L
4g	Number of dumps established.	No proposals	N I L
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals.	N I L
4j	Number of settling ponds	No proposals	N I L

#### 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.	Part extraction of mineral from mined out area. 832 tonnes of waste has been backfilled, over an area of 0.015 ha. 24 meter L x 17 meter W x 4 meter Height is observed during the mines Inspection.	Part extraction of mineral from mined out area. 832 tonnes of waste has been backfilled, over an area of 0.015 ha. 24 meter L x 17 meter W x 4 meter Height is observed during the mines Inspection.	
5b	Area under backfilling of mined out area	0.015 ha.	0.015 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil is used for formation of bundalong the safety barrier and to suport the plantation.	Top soil is used for formation of bundalong the safety barrier and to suport the plantation.	
5d	Total area fully reclaimed and rehabilitated	0.015 ha.	0.015 ha.	

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yearly report has to submit as per statute.	No annual report for the year 2016-17 has been submitted.	The violation of rule 26 (2) of MCDR 2017 is pointed out.
6b	Area available for rehabilitation (ha) .	No proposals.	No area for rehabilitation is available since the mineral is yet to exhaust.	
6c	afforestation done (ha).	No proposals	----	
6d	No. of saplings planted during the year	80 SAPLINGS	35 SAPLINGS.	
6e	Cumulative no .of plants	80 Saplings.	85 saplings.	
6f	Any other method of rehabilitation	No proposals.	----	
6g	Cost incurred on watch and care during the year	No proposals.	-----	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	24 m. L x 17 m B x 4 m H.	24 m. L x 17 m B x 4 m H.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Proposed.	Backfilling has been done by filling waste material.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposals	--	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	---	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals.	---	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Proposed Gap filling.	Done.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Noproposals	---	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	---	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	---	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-----	-----	The mining operations are manual in nature.The mineral is yet to exhaust and it is yet to mature for reclamation and rehabilitation.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	12,000 tonnes.	The despatch done up to Feb .2018 is 7,5820tonnes.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting.	Manual sorting is done.	

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7c	Different grade of mineral sorted out at mines.	No proposals	---	
7d	Any beneficiation process at mines	No proposals	---	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation proposals have been made.	Entire ROM is dispatched.	There is no grade as well as recovery problem.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil will be utilised for formation of bund along the safety barrier and to support the plantation.	It is observed top soil is utilised for formation of bund along the safety barrier and to support the plantation.	
8b	Concurrent use or storage of topsoil	Top soil utilised for formation of bund along the safety barrier.	Top soil utilised for formation of bund along the safety barrier.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals.	No waste dump proposals have been made.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of waste rock will be utilised for backfilling / dumping in mined out area.	Use of waste rock is utilised for backfilling / dumping in mined out area.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	---
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Thorny bushes exists, besides complimentary afforestation is proposed.	35 plants are planted.
8g	Survival rate	No proposals	20%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on hauls roads is proposed.	Water sprinkling on haul roads is being done to arrest airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	No aesthetic beauty prevails in the ML area as the survival rate is poor.

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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 returns and Annual return for the year is to be submitted as per statute.	Monthly returns are being submitted through On-Line to I.B.M. Annual Return for the year 2017-18 is yet to be submit.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	---	---	Violation of rule 55(3)(3)(iv) is being pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Does not arise.	-----	-----

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**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 :**

(Y M SIVA PRASAD)

Indian Bureau of Mines