

**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 : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **BOREDDY, MINES MANAGER**
Official with
Designation
- (iv) Date of Inspection : 18/08/2016
- (v) Prev.inspection date : 05/03/2015

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved proposals exists for the year 2015-16	There is no development during the year.	A violation of Rule 12(3) and 13(1) has been pointed out and subsequently the lessee has submitted the Scheme of Mining.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved proposals exists.	There are no top soil and OB benches.	
2c	Stripping ratio or ore to OB ratio	No approved proposals exists.	There is no Overburden	
2d	Quantity of topsoil generation in m3	No approved proposals exists.	No topsoil exists.	
2e	Quantity of overburden generation in m3	No approved proposals exists.	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No approved proposals exists.	No topsoil and overburden exists in the Mining lease area.	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	No approved proposals exists.	There is single pit.	
3b	Quantity of ROM mineral production proposed	No approved proposals exists.	3990 T	
3c	Recovery of sailable/usable mineral from ROM production	No approved proposals exists.	Cent percent.	

3d	Quantity of mineral reject generation	No approved proposals exists.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No approved proposals exists.	Does not arise.
3f	Quantity of sub grade mineral generation.	No approved proposals exists.	Nil
3g	Grade of sub grade mineral generation	No approved proposals exists.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposals exists.	Manual method.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposals exists.	Nil.
3j	Provision of drilling and blasting in mineral benches	No approved proposals exists.	No drilling and blasting is being carried out.
3k	Provision of mining machineries in mineral benches	No approved proposals exists.	No machinery is deployed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No approved proposals exists.	There is no overburden. Manual method of mining is adopted.
3m	Total area covered under excavation/pits	No approved proposals exists.	3.0
3n	Ore to OB ratio for the pit/mine during the year.	No approved proposals exists.	zero.
3o	Total area put in use under different heads at the end of year	No approved proposals exists.	3.086 ha

3p	Production of ROM mineral during the last five year period as applicable	2011-12=12000 T. 2012-13=12000, 2013-14=12000, 2014-15=12000 T,2015=16= No approved proposals.	2011-12=10180 T. 2012-13=14350, 2013-14=8800, 2014-15=7667 T,2015=16=3990.
3q	General remarks of inspecting officers on method of mining etc.	No approved proposals exists for the year 2015-16	Consequent to pointing out the violation in March 2015,The lessee has submitted the Scheme of Mining. Due to lease sketch mismatching with the ground conditions, the processing and approval of the document took time for final approval of the document.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No approved proposals for the year 2015-16.	There is no generation of top soil, OB and Mineral reject.	
4b	Location of topsoil, OB and mineral reject dumps	No approved proposals for the year 2015-16.	Does not arise.	
4c	Number of dumps within lease area and outside of lease area	No approved proposals for the year 2015-16.	There exists no dump neither within the ML area nor out side ML area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved proposals for the year 2015-16.	Does not arise.	
4e	Number of active and alive dumps.	No approved proposals for the year 2015-16.		

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	There are no approved proposals.	The mineral is yet to exhaust. Back filling does not arise.
5b	Area under backfilling of mined out area	There are no approved proposals.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There are no approved proposals.	No top soil exists in the ML area.
5d	Total area fully reclaimed and rehabilitated	There are no approved proposals.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	There are no approved proposals.	The mineral is continuing at depth and it is yet to exhaust. Thus there is no backfilling and reclamation.

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).	There are no approved proposals for the year 2015-16.	No annual report has been submitted.	Violation of Rule 23 E(2) of MCDR 1988 has been pointed out.
6b	Area available for rehabilitation (ha) .	There are no approved proposals for the year 2015-16.	No area for rehabilitation is available since the mineral is yet to exhaust.	
6c	afforestation done (ha).	There are no approved proposals for the year 2015-16.	The lessee has done afforestation in 7.5 m buffer zone but the survival rate is very poor due to lack of watch and ward.	
6d	No. of saplings planted during the year	There are no approved proposals for the year 2015-16.	The lessee has planted about 50 saplings but few could survive.	

6e	Cumulative no .of plants	There are no approved proposals for the year 2015-16.	There exists about 20 saplings.
6f	Any other method of rehabilitation	There are no approved proposals for the year 2015-16.	No rehabilitation measures have been undertaken.
6g	Cost incurred on watch and care during the year	There are no approved proposals for the year 2015-16.	No cost figures towards watch and care have been furnished.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	There are no approved proposals for the year 2015-16.	No reclamation and rehabilitation by back filling is done since mineral at depth is yet to exhaust.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There are no approved proposals for the year 2015-16.	Compliance of reclamation and rehabilitation does not arise since there is no backfilling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	There are no approved proposals for the year 2015-16.	No reclamation and rehabilitation by back filling and afforestation over backfilled area is done.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There are no approved proposals for the year 2015-16.	No reclamation and rehabilitation by making water reservoir is done.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	There are no approved proposals for the year 2015-16.	No specific reclamation and rehabilitation is done.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	There are no approved proposals for the year 2015-16.	There is waste land exists.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	There are no approved proposals for the year 2015-16.	Does not arise.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	There are no approved proposals for the year 2015-16.	Does not arise.
6p	Compliance of environmental monitoring (core zone and buffer zone)	There are no approved proposals for the year 2015-16.	It is a tiny manual mine. The mining operations are purely on manual basis.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	There are no approved proposals for the year 2015-16.	The mine is a active and the mining operations are manual in nature. The mineral is yet to exhaust and it is yet to mature for reclamation and rehabilitation.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It is proposed to dispatch about 1,20,000T. There are no proposals of sorting.	The dispatch done during the Year is 3,990 T	There is less dispatch is due to paucity of the market demand.
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 proposals	-	
7d	Any beneficiation process at mines	No beneficiation proposals	-	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation proposals have been made	Entire ROM as such is dispatched.	There is no grade aswell as recovery problem.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	The top soil is meant for affoesation purpose	The Top soil is concurrently used for afforestation.	
8b	Concurrent use or storage of topsoil	Concurrent use	concurrently used for afforesation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	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	The Overburden/waste is meant for formation of ramp/haul road.	As proposed, the waste is used for laying haul road/ramp.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	During the current period no reclamation and rehabilitation proposals have been made.	-	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Thorny bushes exists, Besides Complimentary afforestation is proposed.	200 saplings have been planted out which only 80 could survive.	Survival rate is poor due to lack of watch and ward.
8g	Survival rate	80%	20%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads is proposed	Water sprinkling on haul roads is done to prevent the airborne dust.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Complimentary afforestation is done to add aesthetic beauty.	No aesthetic beauty prevails in the ML area as the survival rate plants is poor.	The survival rate is poor due to lack of watch and ward.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	The monthly and annual returns are being timelly submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished	As required a part time Mining Engineer has not been employed	Violation of Rule 42(1)(C)(ii) is being pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes,	The land use pattern has been furnished. The degraded land is about 2 ha. There are no dumps and reclaimed area.	

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
Rule 42(1)(C)(II)	05/10/2016				
Rule 23E(2)	05/10/2016				

Date :

(M.Pratap.Reddy)

Indian Bureau of Mines