

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

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

**Mine code :** 38APR11037

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 16/02/2020
- (v) Prev.inspection date :

**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 Proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No area is remaining for exploration	Entire area has been explored in G1 scale	
1e	Balance reserve as on 01/04/20		Mineable Reserves : 76994 Tonnes	As per Earlier approved Mining Plan

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N-1705841 to 1705822 E-205547 to 205571	Work is being carried out within proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil is to be extracted separately and stored it for future use	No Top soil generated during the year	
2c	Stripping ratio or ore to OB ratio	1: 0.105	1 :0.336	
2d	Quantity of topsoil generation in m3	272 Tonnes	Nil	
2e	Quantity of overburden generation in m3	1271 Tonnes (365 cum)	2500 Tonnes	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations is being carried out by manual means by maintaining bench height of 3.0 meters. Top Soil in the lease area is about 0.3 to 0.5 meters thick and is incidental. The Top soil if any will be excavated separately and stored in the earmarked place for plantation purpose.	

## 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	7430 Toonnes	
3c	Recovery of sailable/usable mineral from ROM production	100% recovery considering Bulk density of 2.25Tonnes/cum as this is soft limestone formation	100% recovery with Bulk density of 2.25Tonnes/cum.	
3d	Quantity of mineral reject generation	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting and sizing is proposed	Manual sorting and sizing is reported for upgradation of ore and for blending purpose as per requirement of industry	
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	Jack Hammer with tractor mounted compressor is used for drilling. Blasting is to be carried out by using High explosive with Detonators. It is incidental whenever hard rock is encounter	Drilling and Blasting is done as per the approved proposals during the year	
3k	Provision of mining machineries in mineral benches	Jack hammer with tractor mounted comtressor, Tippers/ Tractors.	Jack hammer with tractor mounted comtressor, Tippers/ Tractors.	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meters bench height is suitable for this type of deposit	Yes, Suitable
3m	Total area covered under excavation/pits	3.977 Ha	3.201 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.150	1 :0.336
3o	Total area put in use under different heads at the end of year	3.422 Ha	3.422 Ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : 12,000 MT 2015-16 : 12,000 MT 2017-18 : 12,000 MT 2018-19 : 12,000 MT	2014-15 : 7,667 MT 2015-16 : 3,990 MT 2017-18 : 7,690 MT 2018-19 : 7,430 MT
3q	General remarks of inspecting officers on method of mining etc.		Manual method of mining is being adopted using Jack hammer drill by maintaining bench height of 3.0 meters.

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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)	Top soil be stacked separately	No top soil generation during the year	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	One, active dump	One, active dump	
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		One waste dump was observed in the lease area

#### 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.	After complete extraction of ore, 1571 Tonnes of waste to be backfilled in the mined out area.	2500 Tonnes of waste generated is backfilled in the mined out area	
5b	Area under backfilling of mined out area	0.017 Ha	0.09 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil generated to be used for plantation in safety zone	No top soil generated during the year	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		2500 tonnes waste generated is backfilled only. So far 1.052 Ha area is under backfilling.	

#### 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).	To be submitted regularly	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6d	No. of saplings planted during the year	60 sapling	150	
6e	Cumulative no .of plants	No proposal	230 sapplings so far	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Rs. 4000/	Rs. 5000/	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	32 m X 21m X 4m	24m X 17m X 4m	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.072 Ha area to be backfilled	About 0.093 Ha area is reported backfilled	More generation of waste during the lan period
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	No proposal	Nil	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Mining is by manual method and backfilling is under progress in the mineral exhausted area. No rehabilitation is commenced so far.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM ore , 12000 MT, to be produced is to be dispatched	Entire ROM ore, 7430 tonnes, produced was dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting and sizing is to be done	Manual sorting and sizing is reported to be done	
7c	Different grade of mineral sorted out at mines.	Manual sorting and sizing is being done at mine and proposed to be blended to suitable grade for sale.	Different Grades is reported to be blended and dispatched	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM is being dispatched. There is no grade as well as recovery problems.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	436 tonnes of Top Soil generated is to be stacked seperately for plantation purpose	No top soil generated during the year
8b	Concurrent use or storage of topsoil	Top soil generated is proposed to be utilised for plantation	No top soil generated during the year
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	Waste generated is to be backfilled during the year	2500 tonnes of waste is backfilled
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes backfilling of about 0.017 Ha area is proposed for backfilling	About 0.093 ha area backfilled during the year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation in the area is scanty, additional plantation of 60 sapplings was proposed to be carried out.	About 150 plants were planted.
8g	Survival rate	No proposal	about 80%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads is proposed	Water sprinkling on haul roads is being done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		about 150sapplings is planted during the year to improve the aesthetic beauty of the area.

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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 to be submitted regularly	Submitted Regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: B Boreddy, Mining Engineer in charge : S JILANI [PART TIME] and Geologist in charge :G ARANDRA [PART TIME]	Above persons are employed by the lessee	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings :3.422, Occupied by plant, buildings, residential, welfare buildings & roads :0.69, Other Purpose: 0.486, PMCP work :0.475	Covered under current (O/C) Workings :3.422, Occupied by plant, buildings, residential, welfare buildings & roads :0.69, Other Purpose: 0.486, PMCP work :0.475	
9d	Scrutiny of Annual return on afforestation	150	150	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3810MT	Stack was observed in the lease is about 3810MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value & Ex. Mine price - Rs.330/ & production cost: Rs. 263/	Sale value & Ex. Mine price - Rs.330/ & production cost: Rs. 263/	
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Air Compressor with Jack Hammer Drill	Air Compressor with Jack Hammer Drill	



**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 :**

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines