

**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 : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI M.BOREDDY MINES MANAGWER
Official with
Designation
- (iv) Date of Inspection : 03/02/2018
- (v) Prev.inspection date : 06/11/2015

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	Trial pits 4no. 3.0m x 3.0m x 5.5 m One bore hole upto 10.0m depth	Trailpits 1) length 3.0m x Width 3.0m x Depth 5.50m, 2) length 3.0m x Width 3.0m x Depth 5.50m, 3) length 3.0m x Width 3.0m x Depth 5.50m, 4) length 3.0m x Width 3.0m x Depth 5.50m Two trenches were formed length 20.0m x 2Width 2.00m x Depth 5.0 m 2) length 20.0m x 2Width 2.00m x Depth 5.0 m Two boreholes were drilled 1) 9.15 meters, 2) 9.15 meters	
1b	Exploration over lease area for geological axis 1 or 2	G2	G2	
1d	Balance area to be explored to bring Geological axis in 1 or 2		380452 TONNES	
1e	Balance reserve as on 01/04/20	-	380452 TONNES	-
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Between boundary pillar 2 and 7, with an advancement of 70 m Eastern direction i.e length=130.m (East -West) width = 100m ((North-South) depth=3.0 m	As per the proposals given in the approved mining plan carried out length=120.m (East - West) width = 100m ((North-South) depth=3.0 m (upto 03/02/2018)	NIL

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches were proposed in top soil and over burden two benches were proposed in the mineral maximum height is 1.5m, width =2.50 m	Two benches were proposed in the mineral maximum height is 1.5m, width =2.50 m	NIL
2c	Stripping ratio or ore to OB ratio	1.0:0.15	1.0:0.15	NIL
2d	Quantity of topsoil generation in m3	965 tonnes	no top soil is generated 950 tonnes waste generated (upto 03/02/2018)	NIL
2e	Quantity of overburden generation in m3	NIL	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit was proposed Between pillar 2 and 7, with an advancement of 70 m Eastern direction i.e length=130.m (East -West) width = 100m ((North-South) depth=3.0 m	As per the proposals given in the approvede mining plan carriedout length=120.m (East - West) width = 100m ((North-South) depth=3.0 m (upto 03/02/2018)	
3b	Quantity of ROM mineral production proposed	20000 tonnes	8620 tonnes	

3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	No sub grade mineral was generated	NIL	NIL
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to carryout Mining operations by way of manual method of mining	It was proposed to carryout Mining operations 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	2.2hect	2.20hect	NIL
3n	Ore to OB ratio for the pit/mine during the year.	--	--	--

3o	Total area put in use under different heads at the end of year	2.255HECT	2.255 HECT	
3p	Production of ROM mineral during the last five year period as applicable	1)2012-13=20000 Tonnes 2)2013-14=20000, 3)2014-15=20000 4)2015-16=20000,5)2016-2017=20000	1)2012-13=14840 Tonnes 2)2013-14=8300, 3)2014-15=6600 4)2015-16=5530,5)2016-2017=8620	NIL
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

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
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	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
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
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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.	None	None	-
5b	Area under backfilling of mined out area	None	None	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	
5d	Total area fully reclaimed and rehabilitated	None	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).	The report was to be submitted in the monthf April 2018	The report was to be submitted in the month of APRIL 2018	
6b	Area available for rehabilitation (ha) .	None	None	

6c	afforestation done (ha).	0.6hect 20 no.s sapplings proposed in the proposed plantation area was proposed	30 no s sapplings were proposed in the proposed area
6d	No. of sapplings planted during the year	20 nos	30 no .s planted
6e	Cumulative no .of plants	200 sappings	200no .s sapplings planted
6f	Any other method of rehabilitation	None	None
6g	Cost incurred on watch and care during the year	RS 1500/-	RS 1500/
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	
6p	Compliance of environmental monitoring (core zone and buffer zone)	None	None	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire mineral will be stocked in the yard and dispatched by hired trucks as per buyers requirement	Entire mineral will be stocked in the yard and dispatched by hired trucks as per buyers requirement	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NOT APPLICABLE	NOT APPLICABLE	
7c	Different grade of mineral sorted out at mines.	NOT SORTED	Not sorted	

7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1067 TONNES TOP SOIL WAS PROPOSED	100 TONNES TOP SOIL WAS UTILISED to support the plantation on safty barrier and backfilled area	NIL
8b	Concurrent use or storage of topsoil	100 Tonnes of top soil was utilised for plantation on saft barrierw zone and backfilled area	100 Tonnes of top soil was utilised for plantation on saft barrierw zone and backfilled area	NIOL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals were made in the approved mininhg plan	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	100 TONNES OF SOIL PROPOSED FOR FOR BACKFILLING THE AREA	100 TONNES TOP SOIL WAS UTILISED FOR BACKFILLING THE AREA	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposalswere made inthe approved mining plan	NIL	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 150 plants over an area of 0.15hect , ocarriedout survival rate is 40%	NIL
8g	Survival rate	-	40%	
8h	Water sprinkling on roads to control airborne dust	NIL	One water tanker was having 12.0 K.L. (CAPACITY) WAS USED FOR WATER SPRKILING to control vAir borne dust	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns upto9 March 2018, Annual Retu7rn for the year 2016-2017 received from the lessee	Ound in order	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	A Ramireddy, beta mcherla, kurnool [dist] ap,	-	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	. Lease area (surface area) Under Outside utilisation as at the end of year Total forest forest (hectares) (i) Already exploited & abandoned by 0.000 0.000 0.000 0.000 opencast (O/C) mining (ii) Covered under current (O/C) opencast (O/C) mining (ii) Covered under current (O/C) 0.000 1.730 1.730 0.000 1.730 Workings (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000	. Lease area (surface area) Under Outside utilisation as at the end of year Total forest forest (hectares) (i) Already exploited & abandoned by 0.000 0.000 0.000 0.000 opencast (O/C) mining (ii) Covered under current (O/C) 0.000 1.730 1.730 0.000 0.000 Workings (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000
9d	Scrutiny of Annual return on afforestation	70 p-lants p0roposed	50 no . plants were afforestation carriedout
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	55 tonnes rejects grade4 not indicated	55 tonnes rejects grade4 not indicated
9f	Scrutiny of Annual return on ROM stock and/or graded ore	8870 tonnes	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EX MINE PRICE RS 250/TONNE ,Cost of production RS 171/TONNE	EX MINE PRICE RS 250/TONNE ,Cost of production RS 171/TONNE

9h	Scrutiny of Annual return on fixed assets	NOT INDICATED	-	
9k	Scrutiny of Annual return on mining machineries	5. Type and aggregate Horse Power of Machinery: Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc. Details of any new machinery added during the year may be furnished with cost. Electrical/ Used in opencast/ Type of Capacity of No.of Non-Electrical underground machinery each unit units (specify) (specify) JEEP/TRACTOR	5. Type and aggregate Horse Power of Machinery: Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc. Details of any new machinery added during the year may be furnished with cost. Electrical/ Used in opencast/ Type of Capacity of No.of Non-Electrical underground machinery each unit units (specify) (specify) JEEP/TRACTOR	NIL
				70.000 HP
			1	
				70.000 HP

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 :

(A.Prabhakar Rao)

Indian Bureau of Mines