

**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-180/HYD

Mine code : 38APR11131

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Srinivasulu, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 29/01/2022
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALKUR(2.25 HA) MINE**
- (b) **Registration NO.** : **IBM/668/2011**
- (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 :

Mining Engineer

Name : S JILANI,Part Time
 Qualification : B TECH
 Appointment/ :
 Termination date

Geologist

Name : SRIDHAR BHAT,Part Time
 Qualification : MSC GEOLOGY
 Appointment/ :
 Termination date

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 exploration proposed during the year 2020-21 and 2021-22	No exploration was carried out during the year 2020-21 and 2021-22	None
1b	Exploration over lease area for geological axis 1 or 2	-----	The total Mining lease covered under G1 level of exploration.	Entire lease area covered under G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	The reserves as on 1.4.2021 are 202753 tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	---	---	The entire lease area is covered under G1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to work during the years 2020-21 between gridlines N 1706815 to 1706876 and Easting 205946 to 206059	The workings carried out as proposed	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Two Benches are proposed in mineral.	Two benches developed in the mineral	None
2c	Stripping ratio or ore to OB ratio	None	None	None

2d	Quantity of topsoil generation in m3	None	None	None
2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	----	The development being carried out as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	None
3b	Quantity of ROM mineral production proposed	20,000 tonnes durning the year 2020-21.	The actual production reported durning the year 2020-21 was 15070 tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	The entire mineral recovered has been proposed to be sold to the user industries,	The entire ROM being sold to end user industries for merchant mining	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	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	Occasional drilling by Jackhammer and blasting was proposed.	Drilling by Jacj hammer and blasting in hard strata being carried out by gelatin sticks and ordinary explosives.	None
3k	Provision of mining machineries in mineral benches	Except for tipper for lodaing the mineral no other machinery was proposed to be used.	Except tipper with 10 ton capacity no other machinery noticed in the lease.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	it was proposed to maintain a height of 2.5 to 3 meters.	heigh being maintained as proposed.	None
3m	Total area covered under excavation/pits	---	The total area covered under pits was 1.350 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	None	None	None
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 20,000 tonnes 2017-18 - 20,000 tonnes 2018-19 - 20,000 tonnes 2019-20 - 20,000 tonnes 2020-21 - 20,000 tonnes	2016-17 - 8620 tonnes 2017-18 - 7680 tonnes 2018-19 - 7450 tonnes 2019-20 - 7180 tonnes 2020-21 - 15070 tonnes	The production is with in the approved production quantity.
3q	General remarks of inspecting officers on method of mining etc.	---	---	The mine development and production quantity is as per proposals made in approved document.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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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
4h	Whether Retaining wall or garland drain all along dumps are there.	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	No proposal for waste generation was made.	No waste generation was reported.	None

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 was made for backfilling duirng the year 2020-21.	No backfilling was carried out duirng the year 2020-21.	None

5b	Area under backfilling of mined out area	No backfilling was proposed during the year 2020-21	The actual area under backfilling carried out in the earlier plan period was 0.30 ha	None
5d	Total area fully reclaimed and rehabilitated	---	0.30 ha during the earlier plan period	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	---	---	No backfilling was carried out during the year 2020-21 and an area on 0.30 ha was backfilled during the earlier plan period.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	it was proposed to submit annual report regularly to this office.	Annual report on environmental protection measures submitted to this office.	None
6b	Area available for rehabilitation (ha) .	0.08	0.08	None
6c	afforestation done (ha).	0.08 ha	0.08 ha	None
6d	No. of saplings planted during the year	30 no.s	30 no.s	None
6e	Cumulative no .of plants	---	400 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	Rs.1,00,000/- per year	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	it was proposed to carry out environmental monitoring in both core and buffer zone.	Environmental monitoring carried out regularly.	None

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	All the PMCP proposals and environmental measures being carried out as proposed.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The ROM generated is proposed to be sold for buyers with suitable specifications	The ROM generated was being sold to buyers with suitable specification.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except for the plantation made by lessee no other vegetation was observed.	None
8g	Survival rate	80%	80%	none
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling	It was observed during the inspection that dust suppression being carried out by water sprinkling.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Monthly and Annual returns being submitted regularly by the lessee.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return for the year 2020-21, Sri Sridahr Bhat and Sri Jilani as Geologist and Mining Engineer respectively.	The same was noticed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under pits/reclaimed are 1.65 ha	The same was observed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	it was proposed plant 30 no.s	30 no.s were planted during the year 2020-21.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The proposed ROM production during the year 2020-21 was 20,000 tonnes	The actual ROM reported was 15070 tonnes	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price reported was Rs. 380/- per tonne	The same was verified during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	as per annual report the fixed asset value was reported as Nil	The same was not verified.	None
9k	Scrutiny of Annual return on mining machineries	as per Annual return 2020-21, One tipper of 10 tonnes was used for loading of mineral	The same was noticed during the inspection.	None

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.V.Ramesh Kumar)

Indian Bureau of Mines