

**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-185/HYD

**Mine code :** 38APR11135

- (i) Name of the Inspecting : DP09 ) D.P.Ravi kumar  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SHRI EV NARESH KUMAR ,QP AND SHRI M.HARINATH REDDY,LE  
Official with  
Designation
- (iv) Date of Inspection : 28/01/2022
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : MALKAPURAM(4.441 HA)
- (b) **Registration NO.** : IBM/11440/2012
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : MALKAPURAM
- Taluka : DHON
- Post office : DHON
- Pin Code : 518222
- FAX No. :
- E-mail : mgkreddy89@gmail.com
- Phone : 08516-222407,9440228666
- (f) **Police Station** : DHONE
- (g) **First opening date** : 01/03/2009
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M.HARINATH REDDY,H.NO.19/118,  
PATHAPETA,DHONE-518222,  
KURNOOL DISTRICT.
3. (a) **Lease Number** : APR2788
- (b) **Lease area** : 4.44
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 01/04/2028
4. **Mineral worked** : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : M.HRINATH REDDY  
19/118, PATHAPETA DHONE  
KURNOOL ANDHRA PRADESH  
Phone:08516-222407  
FAX :

Owner : M.HARINATH REDDY  
NO.19/118, PATHAPETA, DHONE  
POST KURNOOL ANDHRA  
PRADESH  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 13/01/2006  
Mining Scheme rule 12 MCDR1988 08/04/2015  
*Review of Mining Plan* 24/02/2022

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved proposals for the year 2020-21	Nil	No approved proposals for the year 2020-21. Further, the review of Mining Plan was approved on 24.02.2022 for two years from 2021-22 to 2022-23.
1b	Exploration over lease area for geological axis 1 or 2	-do-	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposals for the year 2020-21	Nil	Mining operations were not being carried out as mine was suspended by IBM on 22.01.2019. Further, the RMP was approved on 24.02.2022 for 2021-22- and 2022-23.
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	Nil	No approved mining plan proposal for 2020-21. RMP approved on 24.02.2022 for the period 2021-22- 2022-23. Balance area to be explored in G1(4.441 HA).
1e	Balance reserve as on 01/04/20		Limestone =183182 T Dolomite =241396 T	As per the recent RMP approved.



1f General remarks  
of inspecting  
officers on  
geology,  
exploration etc

The deposition in the lease area is of sedimentary deposit of Vampalli formation, the sequence of formation is Top Soil, Limestone, Dolomite, alternative layers of saerpentinite & Dolomite, Limestone and Shale. The general strike direction of the ore body is East West to North-north East to West- South . So far 4 CBH bore holes were done and Working quarry covers the major portion of the lease area, thus exploration is done at G1 scale.

#### Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved proposals for the year 2020-21	Nil	No approved proposals for the year 2020-21. Furher, the the RMP was approved on 24.02.2022 for 2021-22+ and 2022-23.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-d-	-do-	
2c	Stripping ratio or ore to OB ratio	-do-	-do-	

2d	Quantity of topsoil generation in m3	-d-	-do-	
2e	Quantity of overburden generation in m3	-d-	-do-	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No approved mining plan proposal for 2020-21. No fresh mining activity is observed during the inspection. The RMP is approved on 24.02.2022 for the period 2021-22 & 2022-23. A OTFM mechanised Mining method was adopted.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved mining plan proposal for 2020-21.	Nil	No approved mining plan proposal for 2020-21. RMP is approved on 24.02.2022 for the year 2021-22 to 2022-23.
3b	Quantity of ROM mineral production proposed	-do-	Nil	
3c	Recovery of sailable/usable mineral from ROM production	-do-	Nil	
3d	Quantity of mineral reject generation	-do-	Nil	
3f	Quantity of sub grade mineral generation.	-do-	-do-	

3g	Grade of sub grade mineral generation	-do-	-do-	
3h	Manual / Mechanised method adopted for segregating from ROM	-do-	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-do-	Beneficiation is not warranted.	
3j	Provision of drilling and blasting in mineral benches	-do-	No mining and development has been carried during the year 2020-21.	
3k	Provision of mining machineries in mineral benches	-do-		The review of mining plan / RMP approved for A-OTFM mechanised opencast method of mining.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-do-	Since there is no approved proposals, no mining and development has been carried during 2020-21.	
3m	Total area covered under excavation/pits	-do-	2.06 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	-do-	Nil	
3o	Total area put in use under different heads at the end of year	-do-	about 2 ha.	



3p Production of ROM mineral during the last five year period as applicable

2016-17= 2015	2016-17= 7663 T dolomite
limestone,	2017-18= Nil
dolomite=42857 t	2018-19= lapsed period
2017-	2019-20= -do-
18=4127limestone,	2020-21=Nil
dolomite=30091 t	
Mining Scheme approved for 2014-15 to 2017-18	

3q General remarks of inspecting officers on method of mining etc.

No fresh mining activity observed in the field. Last mining plan and present RMP were approved for A-OTFM mechanised opencast method of mining.

#### 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 mining plan proposal for 2020-21	No mining and developement has been carried during 2020-21	
4b	Location of topsoil, OB and mineral reject dumps	-do-	Nil	
4c	Number of dumps within lease area and outside of lease area	-do-	Nil	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-	Nil	Earlier, one dump is existed within the lease area and utilised to backfill the worked-out pit of the northeast of the working pit extended to the 5 m road safety buffer over an area of 1805 sq.m as such existing dump is exhausted
4e	Number of active and alive dumps.	-do-	Nil	Earlier, one dump is existed within the lease area and utilised to backfill the worked-out pit of the northeast of the working pit extended to the 5 m road safety buffer over an area of 1805 sq.m as such existing dump is exhausted
4f	Number of dead dumps.	-do-	Nil	
4g	Number of dumps established.	-do-	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	-do-	Nil	
4i	Length of Retaining wall or garland drain all along dumps	-do-	Nil	
4j	Number of settling ponds	-do-	Nil	



4k	Specific comments of inspecting officer on waste dump management	No mining activities during the year as mining operations were suspended since 2019. No waste dump is observed during the inspection.
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#### Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No approved mining plan proposal for 2020-21	Nil	The existing dump is utilised to back fill the worked -out pit on northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m , as such existing dump is exhausted. In the recent approved RMP, one dump is proposed at the southwest of the lease area.
5b	Area under backfilling of mined out area	-do-	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-do-	Nil	
5d	Total area fully reclaimed and rehabilitated	-do-	Nil	

5e General remarks of inspecting officers on backfilling and reclamation etc.

The existing dump is utilised to back fill the worked -out pit on northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m ,as such existing dump is exhausted. In the recent approved RMP,one dump is proposedat the southwest of the lease area.

#### 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).	To be submitted	Not submitted as there is no approved review of mining plan.	
6b	Area available for rehabilitation (ha) .	No approved proposal for 2020-21	Nil	
6c	afforestation done (ha).	-do-	Nil	
6d	No. of saplings planted during the year	-do-	Nil	
6e	Cumulative no .of plants	-do-	Nil	Total about 2000 cumulative no.of plants planted.

6f	Any other method -do- of rehabilitation	Nil	The existing dump is utilised to backfill the worked the worked -out pit on the northeast of the working pit exteded to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhasted.
6g	Cost incurred on -do- watch and care during the year	-do-	
6h	Compliance on -do- reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	-do-	The existing dump is utilised to backfill the worked the worked -out pit on the northeast of the working pit exteded to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhasted.
6i	Compliance on -do- reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	The existing dump is utilised to backfill the worked the worked -out pit on the northeast of the working pit exteded to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhasted.



6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	-do-	Nil	The existing dump is utilised to backfill the worked-out pit on the northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhausted.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-do-	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	-do-	Nil	The existing dump is utilised to backfill the worked-out pit on the northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhausted.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	-do-	Nil	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	-do-	Nil	The existing dump is utilised to backfill the worked the worked -out pit on the northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhausted.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	-do-	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	-do-	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The existing dump is utilised to backfill the worked the worked -out pit on the northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhausted.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for the year 2020-21	Nil	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal for the year 2020-21	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	No mineral sorting carried during 2020-21	No mineral sorting carried during 2020-21
7d	Any beneficiation process at mines	-do-	Beneficiation process not warranted.	Beneficiation process not warranted.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Beneficiation is not warranted.

#### Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved mining plan proposal for 2020-21.	No mining and development activity has been carried during 2020-21	
8b	Concurrent use or storage of topsoil	-do-	-do-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	Nil	



8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	Nil	The existing dump is utilised to backfill the worked-out pit on the northeast of the working pit extended to the 50 m road safety buffer over an area of 1805 sq m, as such existing dump is exhausted.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-do-	Nil	Total 2000 cumulative nos. of sapplings planted.
8g	Survival rate	-do-	Nil	50%
8h	Water sprinkling on roads to control airborne dust	No proposals for the year 2020-21	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Proposal is given by the lessee to carry out plantation to improve aesthetic beauty, Thorney bushes and other small plants are observed in the lease 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	The monhtly and annual returns to be submitted as required under rule 45 of MCDR, 2017.	The monhtly and annual returns have been submitted as required under rule 45 of MCDR, 2017.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine is not in operation for the last 3 years	Mine is not in operation. Review of Mining Plan is approved on 24.02.2022. Lesse has been advised to appoint part time mining engineer and Part time geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C)Workings :2.521 ha., Occupied byplant, buildings, residential, welfare buildings & roads : 0.25 Ha.	The land degradation status furnished in the annual return is found to be in order.
9d	Scrutiny of Annual return on afforestation	Nil, no approved proposals for the year 2020-21	No proposals, review of mining plan is approved on 24.02.2022.
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		No proposals , review of mining plan is approved on 24.02.2022.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	- Mine is not in operation for the last 3 years. Review of mining plan is approved on 24.02.2022
9h	Scrutiny of Annual return on fixed assets	-	- Mine is not in operation, review of mining plan is approved on 24.02.2022

9k	Scrutiny of Annual return on mining machineries	Nil	Nil	The mine is not in operation for the last three years. The review of mining plan is approved on 24.02.2022.
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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 : 02-03-2022

  
(D.P. Ravi Kumar)

Indian Bureau of Mines