

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-185/HYD

**Mine code :** 38APR11135

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : M.GOWTHAM REDDY, LESSEE'S REPRESENTATIVE  
Official with  
Designation
- (iv) Date of Inspection : 09/12/2015
- (v) Prev.inspection date : 13/11/2013

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MALKAPURAM(4.441 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : MALKAPURAM
- Taluka : DHON
- Post office : DHON
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 08516-222407
- (f) Police Station : DHONE
- (g) First opening date : 01/03/2009
- (h) Weekly day of rest : SUN
2. Address for : M.HARINATH REDDY,H.NO.19/118,  
correspondance 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	:	Fresh under rule 22 MCR1960	13/01/2006
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	08/04/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	13 trial pits	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specific	Lessee, Rs.3,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Specific	3.0 ha	
1e	Balance reserve as on 01/04/20	22830 tonnes	22830 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Balance area is to be explored.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North West and South West	North West and South West side of ML	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	Not specific	1: 0.2	
2d	Quantity of topsoil generation in m3	NIL	No top soil is being generated.	
2e	Quantity of overburden generation in m3	Not Specific	2200 tonnes	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work is being carried out as per the proposals.
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**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	5038 t	7262 t	Production exceeded than the proposed. Hence violation of Rule 13(1) was pointed out to the lessee.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	A Other than fully mechanised	A Other than fully mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	Not Applicable	
3j	Provision of drilling and blasting in mineral benches	Yes	Air Compressor, JCB	

3k	Provision of mining machineries in mineral benches	Excavator, Jack hammer and tractor mounted compressor	JCB, tractor	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	2.253 ha	2.253 ha	
3n	Ore to OB ratio for the pit/mine during the year.	Not Specific	1: 0.2	
3o	Total area put in use under different heads at the end of year	2.98 ha	2.98 ha	
3p	Production of ROM mineral during the last five year period as applicable	2009-10----1181 t, 2010-11----1181 t, 2011-12----1181 t, 2012-13----1181 t, 2013-14----1181 t	2009-10----2400 t, 2010-11----1850 t, 2011-12---2260 t, 2012-13----3277 t, 2013-14----1155 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out under AOTFM Category as proposed.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NIL	
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	Not Applicable	Not Applicable	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	Not Applicable	Not Applicable	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	Not Applicable	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The waste generated is being used for formation and maintenance of approach road.

#### 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	NIL	
5b	Area under backfilling of mined out area	No Proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The waste generated is being used for formation and maintenance of approach road.
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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).	_____	Yes	
6b	Area available for rehabilitation (ha) .	No proposal	Not Applicable	
6c	afforestation done (ha).	_____	Afforestation has not been carried out.	Violation of rule 13(1) was pointed out to the party.
6d	No. of saplings planted during the year	20 plants per year	Afforestation has not been carried out.	Violation of rule 13(1) was pointed out to the party.
6e	Cumulative no .of plants	_____	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	Not specific	N.A	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	Nil	

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	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	NIL	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal	NIL	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	NIL

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Production --- Achieved----7262 tonnes 5038 tonnes		Production exceeded than the proposed. Hence violation of Rule 13(1) was pointed out to the lessee.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	manual	
7c	Different grade of mineral sorted out at mines.	N.A	N.A	
7d	Any beneficiation process at mines	No proposal	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Manual sorting is being practiced to improve the grade

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No top soil is being generated.	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
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 rock will be used for formation of approach road	waste rock is being used for formation of approach road	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NIL	
8g	Survival rate	No proposal	NIL	
8h	Water sprinkling on roads to control airborne dust	No proposal	Not Applicable	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Nothing to highlight about aesthetic beauty.

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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 lessee is submitting monthly and annual returns regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished in Annual Return.	No Mining Engineer and Geologist.	Violation of rule 42(1)(C)(i) is issued to the Lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not furnished.	Area covered under pit- 2.253 ha	
9d	Scrutiny of Annual return on afforestation	Not furnished	NIL	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not furnished	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	7262 TONNES	7262 TONNES
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price--Rs. 170/- Cost of production---Rs. 151/-	Ex. Mine price--Rs. 170/- Cost of production---Rs. 151/-
9h	Scrutiny of Annual return on fixed assets	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	17/02/2016				
Rule 42(1)(C)(I)	17/02/2016				

**Date :****(Ch.Suseela)**

Indian Bureau of Mines