

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/DOL-W.SH-LST-32/HYD

**Mine code :** 38APR11174

- (i) Name of the Inspecting : **AP03** ) **A.Prabhakar Rao**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI. N.RAJASEKHAR REDDY, MINEMATE, K.RAVIKUMAR NAIDU, MI**  
Official with  
Designation
- (iv) Date of Inspection : 18/10/2016
- (v) Prev.inspection date : 14/02/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MALKAPURAM(4.079 HA)**
- (b) **Registration NO.** : **IBM/17877/2014**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : **ANDHRA PRADESH**
- District : **KURNOOL**
- Village : **MALKAPURAM**
- Taluka : **DHONE**
- Post office : **DHONE**
- Pin Code : **518222**
- FAX No. :
- E-mail : **palleprasadreddy@mail.com**
- Phone : **8186038307**
- (f) Police Station : **DHONE**
- (g) First opening date : **18/09/2012**
- (h) Weekly day of rest : **SUN**
2. Address for : **K. VEERA KUMAR, mINE oWNER,**  
correspondance : **11-50/2-1, MARUTHINAGAR, KOTHAPET**  
**DHONE, KURNOOL DIST.**
3. (a) Lease Number : **APR3309**
- (b) Lease area : **4.08**
- (c) Period of lease : **20**
- (d) Date of Expiry : **08/08/2032**
4. Mineral worked : **DOLOMITE** Main
- WHITE SHALE** Associated
- LIMESTONE** Associated

## 5. Name and Address of the

Lessee : K VEERA KUMAR  
1-50/2-1, MARUTHINAGAR,  
KOTHAPET, DHONE KURNOOL  
DIST KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

Owner : K VEERA KUMAR  
11-50/2-1,, MARUTHINAGAR  
KOTHAPET, DHONE KURNOOL  
DIST. KURNOOL ANDHRA  
PRADESH  
Phone:  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	12/03/2009
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	06/11/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals were made in the modifications in inthe Approved mining plan	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	Geological AXIS 2	Carriedout	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not indicated	Not indicated	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.72 Hectars	Not carriedout	NIL
1e	Balance reserve as on 01/04/20	limestone Probable (122)1260 tonnes, Pre feasibility Mineral resources 31016 tonnes, In ferredMineral resources (333)296807 Total329083 tonnes	Probable (122)1260 tonnes, Pre feasibility Mineral resources 31016 tonnes, In ferredMineral resources (333)296807 Total329083 tonnes	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral	NIL
2c	Stripping ratio or ore to OB ratio	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral 1.36:1.0 for Dolomite	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral 1.36:1.0 Fr Dolomite	NIL
2d	Quantity of topsoil generation in m3	NIL	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	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral	No production proposals from 2013-14 to2015-16 were made in approved mining plan for limestone mineral	NIL

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### Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	NIL
3b	Quantity of ROM mineral production proposed	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	NIL
3c	Recovery of saleable/usable mineral from ROM production	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	NIL
3d	Quantity of mineral reject generation	NIL	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	For LIMSTONE Cao=35%	No production proposals from 2013-14 to 2015-16 were made in approved mining plan for limestone mineral	NIL
3f	Quantity of sub grade mineral generation.	7895 TONNES	No subgrade mineral was generated from the mine	
3g	Grade of sub grade mineral generation	No proposals were made in the Modifications in approved mining plan document	No proposals were made in the Modifications in approved mining plan document	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed for segregations from ROM	Manual method adopted	NIL

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NIL	NIL
3k	Provision of mining machineries in mineral benches	Semi mechanised minig method proposed	EXcavator is using the mine	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench width 6.0m>,Hight 3.0m,the ramp from bench to bench will be made with lin 10 gradient. and the haul road maintain with lin16 gradient	In pit no.3 two benches were formed in dolomite dimensions are as follows: 1)length 150 mxwidth 4.0.m hight 3.0m 2)length 70 mxwidth 12.0.m hight 3.0m	NIL
3m	Total area covered under excavation/pits	Proposed to work in Eastern side ,3no. s benches will be made all the benches are work for Dolomite width 6.0m hight3.0 mwill be maintained for movement of machinary.The dimensions of the working pit L86 MX W 83 .0M D 9.0M	Three pis were developed dimensions are as follows: Pit no 1) situated in Sout h length 200mxWidth 50.0mxHight 3.0m,one bench was formed in mineral 70.0mx 4.0m x3.0m Pit no 2) situated in Sout h length 250mxWidth 20.0mxHight 3.0m,one bench was formed in mineral 70.0mx 4.0m x3.0m Pit no 3) situated in North length 200mxWidth 35.0mxHight 3.0m,one bench was formed in mineral 150.0mx 4.0m x3.0m,second bench 70.0mx12.0mx3.0m	No proposals were made in the Modifications in approved mining plan document
3n	Ore to OB ratio for the pit/mine during the year.	No proposals were made in the Modifications in approved mining plan document	No proposals were made in the Modifications in approved mining plan document	NIL

3o	Total area put in use under different heads at the end of year	0.239hect for afforestation( Green belt building),478 sapplings will be platedon 7.5 m barrier zone	As per the proposals plantation was carriedout	NIL
3p	Production of ROM mineral during the last five year period as applicable	S.no,year,dolo mite,Limestone , 1)2012-13,15000, Not receivedl, 2)2013-14, 141132, NIL,3)2014-15,135997 NIL, 4)2015-16,142105,	S.no,year,dolomite, Limes tone, 1)2012-13,27000, Not reived, 2)2013-14,42520, 5063, ,3)2014-15,NI A.R received L, NIA.R.received, 4)2015-16, NI A.R received L, NIA.R.received,	Mine opend on 18.09.2012.,For violation of Rule 13(1)of MCDR 1988(against 15000tonnes ahieved 27930 tonnes of Dolomite) for excessproduction of Dolomite C.C.NO.748 OF 2014 filed IN THE COURT OF IInd AC MM AT Nampally
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping of top soil,O.B,at Eastern side of the M.L.area	No seperate dumping of top soil,o.b, &mineral rejects were observed	
4b	Location of topsoil, OB and mineral reject dumps	Eastern side of the M.L.area bitween E 8151000 8 E - 15100AND N-1700250 & N-1700300&	No top soil and O.B, available on the proposed area	NIL
4c	Number of dumps within lease area and outside of lease area	One temporary dump proposed in Southern side of the M.L.area	No w3aste matereal was found in the proposed area	NIL

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	UPL is 446, Temporary dump RL is 467.5 away from the pit ,South side near 7.5 m	Part of the waste material is used for internal rads The remaining waste is dumped as for the proposals	NIL
4e	Number of active and alive dumps.	One dump	One dump is active	NIL
4f	Number of dead dumps.	No proposals in Modification in the Approved Mining plan	NIL	NIL
4g	Number of dumps established.	One	One established	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	73 .0 meters retainig wall at toe of the dump proposed expenditure RS 14600/	Not carriedout	NIL
4i	Length of Retaining wall or garland drain all along dumps	73.0 metyers length retaining wall proposed at toe of the dump	Not carriedout	NIL
4j	Number of settling ponds	One settling pond	Not carriedout	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

#### 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.	Part or full extraction of mineral not completed	Not matured for backfilling	
5b	Area under backfilling of mined out area	Not matured for backfilling	not matured for backfilling	



5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Generated top soil stocked seperately and used for Afforestation	Plantation was carriedout as per the proposals on 7.5meters barrier zone along the leaSE boundary	NIL
5d	Total area fully reclaimed and rehabilitated	Over an area of 0.239 hect 478 sapplings with proposed expenditure RS 14340/	As per the proposals Afforestation was carriedout by the lessee ,survival rate is 40%	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

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).	-	Not submitted	-
6b	Area available for rehabilitation (ha) .	Not matured for rehabilitation , no proposals were made in Modifications in Approved MiningPlan	NIL	NIL
6c	afforestation done (ha).	Afforestation was proposed over an area of 0.239 hectarsthrough 478 no.s sapplings platation along 7.5 meters safety zone	As pewr the proposals lessee has carriedout plantation but survival rate is 40%	NIL
6d	No. of saplings planted during the year	478 Sapplings were proposed	500 saplings were planted	Survival rat is 40%
6e	Cumulative no .of plants	1400 no.s plants	700 plants	NIL

6f	Any other method of rehabilitation	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
6g	Cost incurred on watch and care during the year	Cost was not indicated made in Modifications in Approved Mining Plan	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No waste land within the lease area ,No proposals were made in Modifications in Approved Mining Plan	NIL	NIL

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	478 NO .S Saplings proposed to plant over an area of 0.239 hect on 7.5m eters safety zone	As per the proposals lessee has carriedout plantation on 7.50 meters safety zone	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No waste land with in the lease area	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	NIL	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Hand sorting and sizing by manual proposed for supply of of the matereal to the consumer	Manual hand sorting and sizing was carriedout in the mine	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	NIL
7c	Different grade of mineral sorted out at mines.	Manual hand sorting and sizing was Proposed in the mine	Manual hand sorting and sizing was carriedout in the mine	NIL
7d	Any beneficiation process at mines .	No proposals were made in modifications in Approved Mining Plan	NIL	NIL

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No production proposals for lime for year 2015-16. in Modifications in Approved Mining Plan	NIL	NIL
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## Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
8b	Concurrent use or storage of topsoil	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	6947 Tonnes of O.B, proposed to dump in Southern side of the lease area	Part of waste used for lying of internal roads within the lease area .No waste was found during the inspection	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals were made in Modifications in Approved Mining Plan	Not matured for restoration of land	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	478 Saplings over an area of 0.230 hect along 7.50 meters safety zone from South to west to east	As per the proposals lessee has carried out plantation	NIL

8g	Survival rate	Not proposed	40%	NIL
8h	Water sprinkling on roads to control airborne dust	No proposals were made in Modifications in Approved Mining Plan	NIL	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

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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 returns upto August 2016, Annual Return For the financial Year 1st April 2015 to 31st March 2016 received from the lessee	Found in order, no proposals were made in Modifications in Approved Mining Plan for Limestone production.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager working as mining engineer	NIL	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	3.340Hectars	3.34 Hectars	NIL
9d	Scrutiny of Annual return on afforestation	Not indicated	More than 500 Sapplings were planted along the 7.50 meters safety zone	Survival rate is 40%
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	For the 2015-16 , no proposals for Limesrtone mineral were made in Modifications in Approved Mining Plan	NIL

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	For the 2015-16 , no proposals for Limesrtone mineral were made in Modifications in Approved Mining Plan	For the 2015-16 , no proposals for Limesrtone mineral were made in Modifications in Approved Mining Plan	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	For the 2015-16 , no proposals for Limesrtone mineral were made in Modifications in Approved Mining Plan	NIL	
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	-
9k	Scrutiny of Annual return on mining machineries	NIL	For the 2015-16 , no proposals for Limesrtone mineral were made in Modifications in Approved Mining Plan	NIL

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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 :****(A.Prabhakar Rao)**

Indian Bureau of Mines