

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-7/HYD

**Mine code :** 38APR11017

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompaning mine : Sri. V.samuel, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 15/09/2016
- (v) Prev.inspection date : 03/03/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MOTHUGAPODA**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : MADHAVARAM
- Taluka : DHONE
- Post office : GARLDINNE
- Pin Code : 518222
- FAX No. :
- E-mail :
- Phone : 08516 -222039/ 222032/ 222033
- (f) **Police Station** : DHONE
- (g) **First opening date** : 02/09/1982
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : L.ABDUR REHAMAN KHAN, MANAGING DIRECTOR  
DECCAN LIMESTONE MINING COMPANY (P) LTD.  
AT/PO- DHONE , DIST- KURNOOL, A.P -518222
3. (a) **Lease Number** : APR0192
- (b) **Lease area** : 18.61
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 01/09/2002
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S DECCAN LIMESTONE MINING COMPANY  
DHONE KURNOOL ANDHRA  
PRADESH  
Phone:08516-222039, 222032, 222036  
FAX :

|                               |   |                                |            |
|-------------------------------|---|--------------------------------|------------|
| 6. Date of approval of Mining | : | Renewal under rule 22 MCR1960  | 25/02/2003 |
| Plan/Scheme of Mining         |   | Modif.of approved Mining Plan  | 06/10/2006 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 16/07/2007 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 26/04/2013 |

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

## Exploration :

| Sl.No. | Item                                                                | Proposals | Actual work                        | Remarks                                                   |
|--------|---------------------------------------------------------------------|-----------|------------------------------------|-----------------------------------------------------------|
| 1a     | Backlog of previous year                                            | None      | None                               |                                                           |
| 1b     | Exploration over lease area for geological axis 1 or 2              | NIL       | NIL                                |                                                           |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | NIL       | NIL                                |                                                           |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | _____     | About 50% area has to be explored. |                                                           |
| 1e     | Balance reserve as on 01/04/20                                      | _____     | 222,102 tonnes(111)                |                                                           |
| 1f     | General remarks of inspecting officers on geology, exploration etc  | _____     | _____                              | Exploration has to be taken up in the next scheme period. |

## Development :

| Sl.No. | Item                                                           | Proposals                                | Actual work        | Remarks |
|--------|----------------------------------------------------------------|------------------------------------------|--------------------|---------|
| 2a     | Location of development w.r.t.lease area                       | Central part of ML between G-G' and H-H' | Central part of ML |         |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | Yes                                      | Yes                |         |
| 2c     | Stripping ratio or ore to OB ratio                             | 1:0.22                                   | 1:0.25             |         |
| 2d     | Quantity of topsoil generation in m3                           | No Proposal                              | NIL                |         |
| 2e     | Quantity of overburden generation in m3                        | No Proposal                              | NIL                |         |

|    |                                                                                         |  |  |                                                  |
|----|-----------------------------------------------------------------------------------------|--|--|--------------------------------------------------|
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |  |  | Development is carried out as per the proposals. |
|----|-----------------------------------------------------------------------------------------|--|--|--------------------------------------------------|

### Exploitation:

| Sl.No. | Item                                                                                            | Propasals      | Actual work    | Remarks                                      |
|--------|-------------------------------------------------------------------------------------------------|----------------|----------------|----------------------------------------------|
| 3a     | Number of pit proposed for production                                                           | One Pit        | Two Pits       | Violation of Rule 13(1) issued to the Lessee |
| 3b     | Quantity of ROM mineral production proposed                                                     | 94,688 tonnes  | 14,110 tonnes  |                                              |
| 3c     | Recovery of sailable/usable mineral from ROM production                                         | 88%            | 100%           | Total ROM is being sold off.                 |
| 3d     | Quantity of mineral reject generation                                                           | No Proposal    | NIL            |                                              |
| 3e     | Grade of mineral rejects generation and threshold value declared.                               | Not Applicable | Not Applicable |                                              |
| 3f     | Quantity of sub grade mineral generation.                                                       | NIL            | Not Applicable |                                              |
| 3g     | Grade of sub grade mineral generation                                                           | Not Applicable | Not Applicable |                                              |
| 3h     | Manual / Mechanised method adopted for segregating from ROM                                     | AOTFM          | AOTFM          |                                              |
| 3i     | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No Proposal    | NIL            |                                              |
| 3j     | Provision of drilling and blasting in mineral benches                                           | Yes            | Yes            |                                              |

|    |                                                                                                      |                                                                                                |                                                                                          |                                                                                       |
|----|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 3k | Provision of mining machineries in mineral benches                                                   | Yes, JCB, Tippers etc.                                                                         | Yes, JCB, Tippers etc.                                                                   |                                                                                       |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes, 6m                                                                                        | Yes, 6m                                                                                  |                                                                                       |
| 3m | Total area covered under excavation/pits                                                             | Not Specific                                                                                   | 1.0 ha                                                                                   |                                                                                       |
| 3n | Ore to OB ratio for the pit/mine during the year.                                                    | 1:0.22                                                                                         | 1:0.25                                                                                   |                                                                                       |
| 3o | Total area put in use under different heads at the end of year                                       | 12.0 ha                                                                                        | 12.0 ha                                                                                  |                                                                                       |
| 3p | Production of ROM mineral during the last five year period as applicable                             | 2011-12---3,00,080 t, 2012-13---39424 t, 2013-14--46728 t, 2014-15--67848 t, 2015-16---94688 t | 2011-12---968 t, 2012-13---1472 t, 2013-14--54237 t, 2014-15--66347 t, 2015-16---14110 t |                                                                                       |
| 3q | General remarks of inspecting officers on method of mining etc.                                      | _____                                                                                          | _____                                                                                    | Mining Operations are being carried out more or less as per the approved mining plan. |

## Solid Waste Management - Dumping:

| Sl.No. | Item                                                             | Propasals                      | Actual work                | Remarks                                                     |
|--------|------------------------------------------------------------------|--------------------------------|----------------------------|-------------------------------------------------------------|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | waste dump in south side of ML | No waste dumps are found . | No waste is being generated. Total ROM is being dispatched. |
| 4b     | Location of topsoil, OB and mineral reject dumps                 | No proposal                    | NIL                        |                                                             |
| 4c     | Number of dumps within lease area and outside of lease area      | NIL                            | NIL                        |                                                             |

|    |                                                                    |                                       |                                    |                                                             |
|----|--------------------------------------------------------------------|---------------------------------------|------------------------------------|-------------------------------------------------------------|
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | Not Applicable                        | Not Applicable                     |                                                             |
| 4e | Number of active and alive dumps.                                  | NIL                                   | NIL                                |                                                             |
| 4f | Number of dead dumps.                                              | NIL                                   | NIL                                |                                                             |
| 4g | Number of dumps established.                                       | NIL                                   | NIL                                |                                                             |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | 130*1.0*1.5 m Retaining wall proposed | Nil , since there is no waste dump |                                                             |
| 4i | Length of Retaining wall or garland drain all along dumps          | 130 m                                 | NIL                                |                                                             |
| 4j | Number of settling ponds                                           | _____                                 | _____                              |                                                             |
| 4k | Specific comments of inspecting officer on waste dump management   | _____                                 | _____                              | No waste is being generated. Total ROM is being dispatched. |

#### 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    | No backfilling was done. | Pit not matured for backfilling. |
| 5b     | Area under backfilling of mined out area                                                      | Not Applicable | Not Applicable           |                                  |
| 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. | _____ | _____ | Pit is not matured for backfilling. |
|----|----------------------------------------------------------------------------|-------|-------|-------------------------------------|

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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).                                | Annual report on PMCP has to be submitted. | Not submitted. | Violation of Rule 23 E(2) was issued to the Lessee. |
| 6b     | Area available for rehabilitation (ha) .                                                                    | No Proposal                                | NIL            |                                                     |
| 6c     | afforestation done (ha).                                                                                    | No Proposal                                | NIL            |                                                     |
| 6d     | No. of saplings planted during the year                                                                     | NIL                                        | NIL            |                                                     |
| 6e     | Cumulative no .of plants                                                                                    | NIL                                        | NIL            |                                                     |
| 6f     | Any other method of rehabilitation                                                                          | NIL                                        | NIL            |                                                     |
| 6g     | Cost incurred on watch and care during the year                                                             | NIL                                        | NIL            |                                                     |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D | Not applicable                             | Not applicable |                                                     |
| 6i     | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings           | Not applicable                             | Not applicable |                                                     |

|    |                                                                                                           |                                                     |                      |                                                                     |
|----|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------|---------------------------------------------------------------------|
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area        | Not applicable                                      | Not applicable       |                                                                     |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Not applicable                                      | Not applicable       |                                                                     |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.                 | Not applicable                                      | Not applicable       |                                                                     |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation                                 | 1000 plants                                         | 600 plants           |                                                                     |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)                     | Not Applicable                                      | Not Applicable       |                                                                     |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation                    | Not Applicable                                      | Not Applicable       |                                                                     |
| 6p | Compliance of environmental monitoring (core zone and buffer zone)                                        | Monitoring of environmental parameters is proposed. | Reported to be done. |                                                                     |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.         | _____                                               | _____                | Progressive closure operations are being done as per the proposals. |

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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                           | No Proposal    | Total ROM is being dispatched to crushing and screening plants. |                                                                 |
| 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 Applicable | Not Applicable                                                  |                                                                 |
| 7d | Any beneficiation process at mines .                                                   | NIL            | NIL                                                             |                                                                 |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | _____          | _____                                                           | Total ROM is being utilised thereby conserving the mineral 100% |

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Environment:

| Sl.No. | Item                                                                                              | Propasals                      | Actual work                | Remarks |
|--------|---------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|---------|
| 8a     | Separate removal and utilization of topsoil (Rule 32)                                             | No proposal                    | There is no top soil.      |         |
| 8b     | Concurrent use or storage of topsoil                                                              | Not Applicable                 | Not Applicable             |         |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                            | Waste dump in south side of ML | NIL, as there is no waste. |         |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposal                    | NIL                        |         |

|    |                                                                                                             |                                                            |             |                      |
|----|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------|----------------------|
| 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)                    | 1000 plants per year                                       | nil         |                      |
| 8g | Survival rate                                                                                               | Not specific                                               | 80%         |                      |
| 8h | Water sprinkling on roads to control airborne dust                                                          | Yes, there is a proposal of water sprinkling on haul roads | Being done. |                      |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area                          | _____                                                      | _____       | Nothing to highlight |

#### Compliance of Rule 45:

| Sl.No. | Item                                                                                          | Propasals                                                                 | Actual work                                                                                           | Remarks |
|--------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------|
| 9a     | Status of submission of Monthly and Annual returns                                            | _____                                                                     | Lessee submitted Monthly and Annual returns up to date.                                               |         |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Sri. V. Samuel, Mines manager                                             | Sri. V. Samuel, Mines manager                                                                         |         |
| 9c     | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Area covered under pits- 16.05 ha, Reclaimed area -NIL, Dumps- 2.0 ha etc | Area covered under pits and dumps seems to be incorrect. Lessee was advised to submit revised return. |         |
| 9d     | Scrutiny of Annual return on afforestation                                                    | Not furnished                                                             | NIL                                                                                                   |         |

|    |                                                                             |                                                           |                                                           |
|----|-----------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| 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                    | 14,110 tonnes ROM                                         | 14,110 tonnes ROM                                         |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Ex. Mine price---<br>Rs.425/- Cost of Production-Rs.195/- | Ex. Mine price---<br>Rs.425/- Cost of Production-Rs.195/- |
| 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 cause position |           |               |
|--------------------|------------|---------------|---------------------|-----------|---------------|
| Rule NO.           | Issued on  | Compliance on | Rule NO.            | Issued on | Compliance on |
| Rule 13(1)         | 30/09/2016 |               |                     |           |               |
| Rule 23E(2)        | 30/09/2016 |               |                     |           |               |
| Rule 27(4)         | 30/09/2016 |               |                     |           |               |

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

Indian Bureau of Mines