

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/ADB/LST-29/HYD

**Mine code :** 38APR01012

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri N.P.SAHARE, Sr.G M(Mines) & Sri. JAYANT V. MOHGAO  
Official with  
Designation
- (iv) Date of Inspection : 09/12/2017
- (v) Prev.inspection date : 07/03/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DEVAPUR**
- (b) **Registration NO.** : **IBM/981/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TELANGANA**
- District : **ADILABAD**
- Village : **DEVAPUR**
- Taluka : **KAZIPET**
- Post office : **DEVAPUR CEMENT WORKS**
- Pin Code : **504218**
- FAX No. : **91-8736-40522**
- E-mail :
- Phone : **(08736)40661**
- (f) **Police Station** :
- (g) **First opening date** : **14/11/1981**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **DEVAPUR CEMENT WORKS**  
**correspondance** : **DISTRICT ADILABAD-504218**  
: **ANDHRA PRADESH**
3. (a) **Lease Number** : **APR0006**
- (b) **Lease area** : **210**
- (c) **Period of lease** :
- (d) **Date of Expiry** : **04/10/2029**
4. **Mineral worked** : **LIMESTONE** **Main**

## 5. Name and Address of the

Lessee : M/S ORIENT CEMENT  
P.O:DEVAPUR CEMENT WORKS  
DIST:ADILABAD ADILABAD  
TELANGANA  
Phone:(08736)40661  
FAX :91-8736-40522

Owner : M/s TSMDC Ltd  
Rear Block, 4 th Floor,  
HMESB Premises,  
Khairatabad Hyderabad-500  
004 HYDERABAD TELANGANA  
Phone:  
FAX :

Agent : K.Rajasekhar Reddy  
M/s TSMDC Ltd.,Rear Block,  
4th floo HMWSSB Premises,  
Khairatabad, Hyderabad-500  
004 HYDERABAD TELANGANA  
Phone:  
FAX :

## Mining Engineer

Name : Shri. Kamalesh B.Tembhurne,Full Time  
Qualification : B.E(Mining)  
Appointment/ : 02/11/2011  
Termination date

## Geologist

Name : Shri. Jayanth V. Mohgaonkar,Full Time  
Qualification : M.Sc(Geo)  
Appointment/ : 30/07/2015  
Termination date

|                               |   |                                |            |
|-------------------------------|---|--------------------------------|------------|
| 6. Date of approval of Mining | : | Renewal under rule 22 MCR1960  | 09/03/1995 |
| Plan/Scheme of Mining         |   | Renewal under rule 22 MCR1960  | 05/11/1999 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 26/08/2005 |
|                               |   | Modif.approved Mining Scheme   | 08/01/2008 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 02/12/2010 |
|                               |   | Renewal under rule 24 MCR1960  | 17/11/2011 |
|                               |   | MP modif under 17(3) MCR 2016  | 06/10/2016 |

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

## Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

## Development :

| Sl.No. | Item  | Proposals   | Actual work                      | Remarks |
|--------|---|---|----------------------------------|---------|
| 2a     | Location of development w.r.t. lease area   | Sections M1 37A to ML 42  | Same as proposed                 |         |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15)                          | Yes separate overburden and mineral benches are to be developed | Found maintained as proposed     |         |
| 2c     | Stripping ratio or ore to OB ratio  | Nil   | Nil                              |         |
| 2f     | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | No generation of waste was proposed                             | no waste generation was reported |         |

## Exploitation:

| Sl.No. | Item  | Proposals  | Actual work | Remarks                 |
|--------|---|------------|-------------|-------------------------|
| 3a     | Number of pit proposed for production                       | One        | One         |                         |
| 3b     | Quantity of ROM mineral production proposed                 | 4335555    | 3852982     | For 2016-17 (in Tonnes) |
| 3c     | Recovery of sailable/usable mineral from ROM production     | 95%        | 100%        |                         |
| 3d     | Quantity of mineral reject generation                       | nIL        | nIL         |                         |
| 3f     | Quantity of sub grade mineral generation.                   | Nil        | Nil         |                         |
| 3h     | Manual / Mechanised method adopted for segregating from ROM | Mechanised | Mechanised  |                         |

|    |  |   |  |
|----|--|---|--|
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.      | No such study was proposed  | Not applicale  |
| 3j | Provision of drilling and blasting in mineral benches  | Deep hole drilling and Blasting, 150mm dia drill holes, Burden of 5 mtrs and spacing of 8 meters.and depth of 5.5 to 9 meters depth   | Proposal are being followed  |
| 3k | Provision of mining machineries in mineral benches   | Drilling machine :150mm (2), 115 mm(1)<br>Ecavator : 1.7 -2 cum capacity bucket of 3 & 4 in no.s each<br>dumper : 17 t-28 nos.<br>ripper : 1<br>Road compactor : 1<br>Dozer : 1 | Drilling machine :150mm (2), 115 mm(1)<br>Ecavator : 2 -4 cum capacity bucket of 6 & 1 in no.s each<br>dumper : 25 t- 25 nos.<br>Dozer : 1 |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 5 to 7 meters   | Yes bench height is found maintained and suitable for this type of mining  |
| 3m | Total area covered under excavation/pits   | 153.006   | 142.657 ha working pit   |
| 3n | Ore to OB ratio for the pit/mine during the year.  | Nil   | Nil  |
| 3p | Production of ROM mineral during the last five year period as applicable                             | 2012-13 : 4892407<br>2013-14: 4947204<br>2014-15: 4986942<br>2015-16: 4945984<br>2016-17 : 4335555  | 2012-13 : 5067136<br>2013-14: 5165320<br>2014-15: 4988000<br>2015-16: 4568000<br>2016-17 : 3852982   |

## Solid Waste Management - Dumping:

| Sl.No. | Item   | Propasals  | Actual work   | Remarks |
|--------|--|--|---|---------|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)   | No proposal of generation of top soil and waste, however for the current waste was proposed to ump over ore benches after complete excavation<br>Yes | Dumping is being carried out in the proposed area without complete excavation of ore  |         |
| 4b     | Location of topsoil, OB and mineral reject dumps                   | No tio soil generation, no waste dumping   | Not applicable  |         |
| 4c     | Number of dumps within lease area and outside of lease area        | 2 dumps within lease ara, but no proposal for 2016-17  | 2 dumps within lease area   |         |
| 4e     | Number of active and alive dumps.                                  | Two  | No waste generation in 2016-17  |         |
| 4h     | Whether Retaining wall or garland drain all along dumps are there. | No proposal for 2016-17  | Not applicable  |         |
| 4k     | Specific comments of inspecting officer on waste dump management   |  | Waste material has already been backfilled in some portion of the lease area where mineral was exhausted, dumps were stabalised by proper terracing, plantation etc. but during current year waste was found dumped over mineral bench. |         |

## 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 for 2016-17 | NOT APPLICABLE |         |

|    |   |                 |  |
|----|---|-----------------|--|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No proposal     | Not applicable, however top soil generated earlier has been utilised for plantation purpose. |
| 5d | Total area fully reclaimed and rehabilitated  | Nil for 2016-17 | so far 28.680 Ha has already been reclaimed.   |

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). | To be submitted yearly              | Submitted regularly                                  |         |
| 6b     | Area available for rehabilitation (ha) .                                     | Not available for the year 2016-17  | Nil  |         |
| 6c     | afforestation done (ha).   | 0.912 ha with 1365 no. of sapplings | 1700 no. of sapplings in staggered way.              |         |
| 6e     | Cumulative no .of plants   |                                     | 65000 sapplings have been planted so far in the area |         |

Mineral Conservation:

| Sl.No. | Item  | Proposals  | Actual work  | Remarks |
|--------|---|--|--|---------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area    | Entire ROM is being dispatched by blending with sub grade ore for manufacturing of cement, | Entire ROM is being dispatched by blending with sub grade ore for manufacturing of cement, |         |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | Mechanised   | Mechanised   |         |
| 7d     | Any beneficiation process at mines                              | Crushing and screening   | Crushing and screening   |         |

## Environment:

| Sl.No. | Item  | Propasals  | Actual work  | Remarks |
|--------|---|--|--|---------|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | NO proposal for the period                                       | Not applicable   |         |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                            | Yes to be maintained   | Yes maintained   |         |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposal  | Waste material is being used fro backfilling for restoration of land in lease area   |         |
| 8g     | Survival rate   | 90%  | 90%  |         |
| 8h     | Water sprinkling on roads to control airborne dust  | To suppress the air borne ust water sprinkling is to be proposed | Water sprinkling is being done   |         |
| 8i     | General remarks of inspecting officer on aesthetic beauty in and around mines area                |  | Backfilling of mined out benches/ pit is being carried out to restore the area, further picknick spot was made by making artificial water fall, fish pond etc. in the worked out pit to improve the aesthetic beauty |         |

## Compliance of Rule 45:

| Sl.No. | Item  | Propasals  | Actual work                                   | Remarks |
|--------|---|--|---|---------|
| 9a     | Status of submission of Monthly and Annual returns                                  | To be submitted as per statute   | submitted regularly                           |         |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Engineer in charge Shri Kamlesh B Tembhurne Geologist in charge Shri Jayant V. Mohgaonkar | They have been employed by ore rising agency. |         |

|    |   |   |  |                             |
|----|---|---|--|-----------------------------|
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Already exploited & abandoned by 0<br>opencast (O/C) mining (ii) Covered under current (O/C) 142.657 Workings<br>(iii) Reclaimed/Rehabilitated 28.68<br>(iv) Used for waste disposal 15.75<br>(v) Occupied by plant, buildings, residential, welfare buildings & roads 20<br>(vi) Other Purpose ( ) 0<br>(vii) Work done under progressive mine 0.995 closure plan during the year<br>13. Ownership/exploiting Agency of the Public Sector<br>mine: (Public Sector/Private sector/Joint Sec | Already exploited & abandoned by 0 opencast (O/C) mining<br>(ii) Covered under current (O/C) 142.657 Workings<br>(iii) Reclaimed/Rehabilitated 28.68<br>(iv) Used for waste disposal 15.75<br>(v) Occupied by plant, buildings, residential, welfare buildings & roads<br>(vi) Other Purpose ( ) 0<br>(vii) Work done under progressive mine 0.995 closure plan during the year<br>13. Ownership/exploiting Agency of the Public Sector<br>mine: (Public Sector/Private sector/Joint Sec | More area has been utilised |
| 9d | Scrutiny of Annual return on afforestation  | 1700 sapplings  | Found planted  |                             |
| 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                                      | Rom :Nil<br>Sub grade : 3923982.000   | Rom :Nil<br>Sub grade : 3923982.000  |                             |



|    |   |  |   |
|----|---|--|---|
| 9g | Scrutiny of<br>Annual return on<br>sale value, Ex.<br>Mine price and<br>production cost | 202.86   | 202.86  |
| 9k | Scrutiny of<br>Annual return on<br>mining<br>machineries                                | SHOVEL<br>4.000 CUM 1<br>BACK HOE 2.000<br>CUM 6<br>TIPPER<br><br>25.000 CUM 25<br>DOZER<br><br>335.000 HP 2<br>BLAST HOST<br>DRILL 115.000<br>MM 1<br>BLAST HOST<br>DRILL 150.000<br>MM 2<br>AIR COMPRESSOR<br>450.000 CUM/MN<br>1<br>EXPLOSIVE VAN<br>3.000 TONNE 1<br>EXPLOSIVE VAN<br>6.000 TONNE 1<br>TRUCK<br><br>12.000 TONNE 1 | SHOVEL           4.000 CUM 1<br>BACK HOE 2.000 CUM 6<br>TIPPER<br>25.000 CUM 25<br>DOZER<br>335.000 HP 2<br>BLAST HOST DRILL 115.000<br>MM 1<br>BLAST HOST DRILL 150.000<br>MM 2<br>AIR COMPRESSOR 450.000<br>CUM/MN 1<br>EXPLOSIVE VAN 3.000<br>TONNE 1<br>EXPLOSIVE VAN 6.000<br>TONNE 1<br>TRUCK<br>12.000 TONNE 1 |

---

**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 :**

**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines