

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-170/HYD

Mine code : 38APR11115

- (i) Name of the Inspecting : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : K.Ramakrishna Reddy, Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 06/07/2017
- (v) Prev.inspection date : 19/05/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KORUMANIPALLI(205.212)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : **ANDHRA PRADESH**
District : **KURNOOL**
Village :
Taluka :
Post office :
Pin Code :
FAX No. : **08558-286044**
E-mail :
Phone : **08558-286055**
- (f) Police Station : **KOLIMIGUNDLA**
- (g) First opening date : **31/01/2007**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/S PENNA CEMENT INDUSTRIES LTD.**
correspondance : **TALARICHERUVU MANDAL**
TALARICHERUVU VILLAGE, ANANTPUR DISTRICT.
3. (a) Lease Number : **APR2302**
- (b) Lease area : **205.21**
- (c) Period of lease : **20**
- (d) Date of Expiry : **29/01/2024**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : PENNA CEMENT INDUSTRIES LTD
 PLOTNO.703,
 SRINIKETANCOLONYROADNO.3
 BANJARAHILLS.HYDERABAD
 HYDERABAD TELANGANA
 Phone:08558, 86055,86066
 FAX :08558-86044

Owner : P.VENUGOPAL REDDY
 PLOT.NO.703,ROAD NO.3,
 SRINIKETAN COLONY, BANJARA
 HILLS HYDERABAD TELANGANA
 Phone: 040-23353945
 FAX : 040-23353951

Agent : S.JAYARAMA RAJU
 M/S PENNA CEMENT INDUSTRIES
 LTD. TALARICHERUVU
 ANANTAPUR DISTRICT
 ANANTAPUR ANDHRA PRADESH
 Phone: 08558-286055,66
 FAX : 08558-286044

Manager

Name : A.SRINIVASAREDDY
 Qualification : DIPLOMA IN MINING ENGINEERING, F.C.C,
 Appointment/ : 26/04/2007
 Termination date

| | | | |
|-------------------------------|---|--------------------------------|------------|
| 6. Date of approval of Mining | : | Fresh under rule 22 MCR1960 | 22/04/2003 |
| Plan/Scheme of Mining | : | Modif.of approved Mining Plan | 25/04/2007 |
| | : | Mining Scheme rule 12 MCDR1988 | 02/01/2013 |
| | : | MP review under 17(1) MCR 2016 | 30/03/2017 |

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|-----------|-----------------------|---|
| 1a | Backlog of previous year | NA | NA | |
| 1b | Exploration over lease area for geological axis 1 or 2 | NA | NA | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | | | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | NA | NA | Exploration in the lease area has been completed in 201415. |
| 1e | Balance reserve as on 01/04/20 | | 31.990 Million tonnes | |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---------------------------|-----------------------|---------|
| 2a | Location of development w.r.t.lease area | S 19-S143 E 382-- 775 | S 19-S143 E 382-- 775 | |
| | | | 00- S300 W90 - E160 | |
| | | 00- S300 W90 - E160 | | |
| 2c | Stripping ratio or ore to OB ratio | N I L | N I L | |
| 2d | Quantity of topsoil generation in m3 | 45000 | 45000 | |
| 2e | Quantity of overburden generation in m3 | N I L | N I L | |

| | | | | |
|----|---|-------|-------|-------|
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | N I L | N I L | N I L |
|----|---|-------|-------|-------|

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|---|---------|
| 3a | Number of pit proposed for production | 02 | 01 | |
| 3b | Quantity of ROM mineral production proposed | 2100483 tonnes | 867000 tonnes | |
| 3c | Recovery of sailable/usable mineral from ROM production | 100% of ROM | 100% of ROM | |
| 3d | Quantity of mineral reject generation | N I L | N I L | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised method of mining. | Mechanised method of mining. | |
| 3j | Provision of drilling and blasting in mineral benches | One drill of 150 mm dia of Revathi c 60 H model supported by 550 cfm compressor and blasting is proposed by using milli second dely detonators for better fragmantation. | One drill of 150 mm dia of revathi C 60 H model suported by 550 cfm Compressor. Blasting is done by using non - electric detonators in combination with slurry and ANFO for better fragmentation. | |
| 3k | Provision of mining machineries in mineral benches | Hydraulic Shovel-Dumper combination is proposed for mineral handling. | 3.0 cum bucket capacity hydraulic Shovels -- and 35 tonner dumpoer combination is adopedet for miberal handling. | |

| | | | |
|----|--|---|--|
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 8- 9 m bench height is proposed in mineral bench. | 9 m bench is mantained in mineral bench, as no overburden in mines, no OB benches are formed. |
| 3m | Total area covered under excavation/pits | 38.766 ha. | 37.56 ha. |
| 3n | Ore to OB ratio for the pit/mine during the year. | N I L | N I L |
| 3o | Total area put in use under different heads at the end of year | Mine Development Area : 38.766 ha, Plantation : 6.00 ha, Haul Road : 1.604 ha | Mine Development Area : 37.56 ha., Pkantation : 6.78 ha. Haul Road : 2.84 ha. |
| 3p | Production of ROM mineral during the last five year period as applicable | 10353201 tonnes proposed in five year Scheme ie 2012-13 to 2016-17. | 2012-13 - 1230540 tonnes, 2013 - 14 -- 11,41,170 tonnes. 2014-15- 9,72,100 tonnes. 2015-16 - 9.49,015 tonnes. and 2016-17 : 8,67000 tonnes. |
| 3q | General remarks of inspecting officers on method of mining etc. | N I L | Mining Operatiins is being carried out in Systematic manner. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------|-------------|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | N I L | N I L | |

| | | | |
|----|--|-------------------|----|
| 4b | Location of topsoil, OB and mineral reject dumps | Not Applicable NA | |
| 4e | Number of active and alive dumps. | NA | NA |

Solid Waste Management - Backfilling:

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

Progressive Mine Clousre Plan:

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

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|----|---|--|--|--|
| 6a | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). | Lessee has to submit before 1st July. | Lessee has submitted yearly report for 2016-17. | |
| 6b | Area available for rehabilitation (ha) . | NA | NA | |
| 6c | afforestation done (ha). | Yes, 1500 no. of saplings. | Yes, 1580 no. of saplings. | |
| 6e | Cumulative no .of plants | | 5508 no. of saplings. | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Quarterly monitoring in respect of AAQ, Noise, Surface Water, Ground Water needs to be carried out. | Monitoring is being done and the results are within permissible limit. | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | Top soil management, plantation and monitoring of air quality,surface waterground water,noise needs to be carried out. | Compliance of PMCP is being carried out more or less satisfactory. | |

Mineral Conservation:

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

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|----|---|-------------------|---------------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | 21.00,483 Tonnes. | 867000 Tonnes |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | NA | NA |
| 7d | Any beneficiation process at mines | No | No |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | The top soil is being scraped and collected seperately during developing top benches and stacked temperarily along southern boundary of lease area. | The top soil generated during development of top benches is being scraped separately and stacked as well as utilised for plantation purpose. | |
| 8b | Concurrent use or storage of topsoil | Storage and utilised of top soil. | Utilised for plantation purpose. | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | Vegetation is very scanty in the lease area. | By plantation vegetation cover within out side lease area is increased to improve aesthetic beauty. | |
| 8g | Survival rate | 80% | 85% | |
| 8h | Water sprinkling on roads to control airborne dust | 10 KL mobile water sprinkler. | 10KL mobile water tanker with sprinkler is provided to supress the air born dust on the Haul raoad. | |

Compliance of Rule 45:

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

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|----|---|---|---|
| 9a | Status of submission of Monthly and Annual returns | MR & AR needs to be submitted to RCOM IBM Hyderabad. | Monthly returns submitted upto April 2017 and Annual return for the year 2016-17 through ON-Line. within time period. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Manager as Shri K.Ramakrishna Reddy. Shri L.Sai nath Reddy as Mining Engineer and Shri M.Ramesh babu as Senior Geologist. | Manager as Shri K.Ramakrishna Reddy. Shri L.Sai nath Reddy as Mining Engineer and Shri M.Ramesh babu as Senior Geologist. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Covered under current Open Cast workings : 37.560 Ha. | More or less same. |
| 9d | Scrutiny of Annual return on afforestation | Within lease area : 1830. Outside lease area : 0 | Within Lease area : 1830 . 80% Survival. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | 80% Survival. N I L | N I L |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | 889110.000 Tonnes. | The same was observed. |

9g Scrutiny of Annual return on sale value, Ex. Mine price and production cost Exmine price : Rs 198.95. A.R. The same as furnished in

9k Scrutiny of Annual return on mining machineries Production Cost : Rs 198.95. Excavator : 3.5 cum, 2nos. Excavator : 3.5 cum, 2nos.

Dumpers : 07 nos (35 T.)

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Dozer : 01 no. 340 HP . Water sprinkler : 12000 Liters capacity, Rock drill ; 115mm, Rock drill : 150mm.

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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 |
| MCDR17 | Rule 11(1) | 19/07/2017 | | | |

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines