

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/GNR/LST-61/HYD

Mine code : 38APR07052

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri. J. Ramakrishna, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 10-MAY-23
- (v) Prev.inspection date : 20-SEP-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TANGEDU(346.32 HA)**
- (b) **Registration NO.** : **IBM/5580/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : GUNTUR
Village : TANGEDA
Taluka : DACHEPALLI
Post office : TANGEDA
Pin Code : 522414
FAX No. : 08649-273819
E-mail : bhavyacementworks@gmail.com
Phone : 08649-273900
- (f) Police Station : DACHEPALLY
- (g) First opening date : 01-OCT-10
- (h) Weekly day of rest : SUN
2. Address for : Plot No.1, Bhavya Spoorti Bhavan, Jubilee Hills,
correspondance Film nagar
Hyderabad-500 033
3. (a) Lease Number : APR3190
(b) Lease area : 346.32
(c) Period of lease : 50
(d) Date of Expiry : 28-APR-60
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : M/S. BHAVYA CEMENTS LTD
 GUNTUR ANDHRA PRADESH
 Phone:
 FAX :

Owner : P.SIVA KUMAR
 PLOT.NO.A,2ND
 FLOOR,BHAVYA'S SPOORTHY
 BHAVAN,FILM NAGAR, JUBILEE
 HILLS HYDERABAD TELANGANA
 Phone: 040-23558384
 FAX : 040-23558393

Agent : Sri.A.Amrutha Raju
 Tangeda (V), Dachehalli(M)
 Guntur dt. GUNTUR ANDHRA
 PRADESH
 Phone:
 FAX :

Mining Engineer

Name : P Suresh Babu,Full Time
 Qualification : Diploma (Mining)
 Appointment/ : 01-MAR-23
 Termination date

Geologist

Name : B Divesh,Full Time
 Qualification : M.Sc. (Geology)
 Appointment/ : 05-JAN-22
 Termination date

Manager

Name : J Rama Krishna
 Qualification : Diploma (Mining)
 Appointment/ : 10-MAR-16
 Termination date

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|-------------------------------|---|--------------------------------|-----------|
| 6. Date of approval of Mining | : | Fresh under rule 22 MCR1960 | 23-FEB-10 |
| Plan/Scheme of Mining | : | MP modif under 17(3) MCR 2016 | 31-AUG-16 |
| | : | MP review under 17(1) MCR 2016 | 13-MAR-20 |

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--|---|--|
| 1a | Backlog of previous year | No such specific proposal. | Nil | |
| 1b | Exploration over lease area for geological axis 1 or 2 | No proposal. | Nil | Entire mineralised area has been explored under G1 level. However advised the lessee to drill some boreholes depthwise to know the mineralisation depth at some places in ML area. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | No proposal. | Nil | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No proposal. | Nil | Entire mineralised area has been explored under G1 level. |
| 1e | Balance reserve as on 01/04/20 | As per the approved document dated 13.03.2020, the Limestone reserves are 207.72 mil.t | due to depletion/addition over the period of time the updated reserves as on dated 01.04.2023 are limestone: 204.24 mil.t. | grade Cao - 48.1% |
| 1f | General remarks of inspecting officers on geology, exploration etc | | the entire ML area comprises of two major litho-nits viz. white&grey limestone. the rocks are dipping at 6 to 12 degree towards SE. Grey limestone occupying major part of ML area. the geological formation range in age form achaeon to recenet. the area forms a part of the precambrian shield of the indian peninsula. | |

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Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|--|-------------------------------|
| 2a | Location of development w.r.t.lease area | between grid location N1842700- N1843500 & E375500- E376100 | development carried out between the gird location as proposed. | |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | top soil is proposed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed. | top soil is scrapped separately benches in mineral are maintained. | |
| 2c | Stripping ratio or ore to OB ratio | No proposal. | Nil | No OB generatin is envisaged. |
| 2d | Quantity of topsoil generation in m3 | 8829 cu.m. during the year 2022-23. | 8935 cu.m. | |
| 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 by opencast mining method as proposed. | |

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 | 1471520 t during the year 2022-23. | 761470 t. | violation observed and communicated to lessee vide letter dated 17/05/2023. |
| 3c | Recovery of sailable/usable mineral from ROM production | 1474520 t | 761470 t | |

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| 3d | Quantity of mineral reject generation | No proposal. | Nil |
| 3e | Grade of mineral rejects generation and threshold value declared. | Not applicable | Nil |
| 3f | Quantity of sub grade mineral generation. | No proposal. | Nil |
| 3g | Grade of sub grade mineral generation | Not applicaable. | 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 proposal. | Nil |
| 3j | Provision of drilling and blasting in mineral benches | drilling and blasting is proposed. | drilling & blasting is carried out. |
| 3k | Provision of mining machineris in mineral benches | excavator and dumper combination is proposed for excavation. | excavator and dumper combination is deployed for excavation. |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 8 m | maintained. |
| 3m | Total area covered under excavation/pits | 39.692 ha at the end of plan period i.e. year 2024-25. | 31.751 ha |

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|----|--|---|---|---|
| 3n | Ore to OB ratio for the pit/mine during the year. | No proposal. | Nil | |
| 3o | Total area put in use under different heads at the end of year | 52.162 ha at the end of plan period i.e. year 2024-25. | 44.221 ha | |
| 3p | Production of ROM mineral during the last five year period as applicable | 2018-19: 1.75 mil.t. 2019-20: 3.7 mil.t. 2020-21: 1.47 mil.t. 2021-22: 1.47 mil.t. 2022-23: 1.47 mil.t. | 2018-19: 1.2 mil.t. 2019-20: 1.11 mil.t. 2020-21: 1.18 mil.t. 2021-22: 1.12 mil.t. 2022-23: 0.76 mil.t. | due to less demand from captive cement plant. |
| 3q | General remarks of inspecting officers on method of mining etc. | | | production is carried out from one pit by opencast mining method 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) | proposed for top soil, no OB generation is envisaged. | carried out. | |
| 4b | Location of topsoil, OB and mineral reject dumps | Proposed to be utilised for top soil. | | |
| 4c | Number of dumps within lease area and outside of lease area | No proposal. | Nil | However one old dump was located within ML area and safety zone barrier not maintained at that location so violation observed and communicated to lessee vide letter dated 17.05.2023 |

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| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | No proposal. | Nil |
| 4e | Number of active and alive dumps. | No proposal. | Nil |
| 4f | Number of dead dumps. | No proposal. | Nil |
| 4g | Number of dumps established. | No proposal. | Nil |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Proposed | maintained. |
| 4i | Length of Retaining wall or garland drain all along dumps | No proposal. | Nil |
| 4j | Number of settling ponds | No proposal. | Nil |
| 4k | Specific comments of inspecting officer on waste dump management | | No OB/waste generation is envisaged. |

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) | No Proposal. | Nil | |

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| 5d | Total area fully reclaimed and rehabilitated | No Proposal. | Nil |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | Not envisaged, as area is not matured for reclamation. |

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). | PMCP report submitted before 1 st July. | not submitted. | advised the lessee to submit before 1st July. |
| 6b | Area available for rehabilitation (ha) . | No Proposal. | Nil | |
| 6c | afforestation done (ha). | 0.18 ha during the year 2022-23. | 0.251 ha. | |
| 6d | No. of saplings planted during the year | 400 nos | 451 nos | |
| 6e | Cumulative no .of plants | | 9326 nos | |
| 6f | Any other method of rehabilitation | No proposal. | Nil | |
| 6g | Cost incurred on watch and care during the year | No proposal. | Not assessed. | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | No proposal. | Nil | |

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|----|---|--------------|-----|
| 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 |

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|----|---|---|--|-----------------------------------|
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB. | Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out. | parameters are within the limits. |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | PMCP measures were carried out as proposed. | |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-------------------------|--|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | proposed. | carried out. | entire ROM (Limestone) of cement grade is used in the captive plant. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | mechanical. | mechanical. | |
| 7c | Different grade of mineral sorted out at mines. | cement grade limestone. | cement grade limestone. | |
| 7d | Any beneficiation process at mines . | No Proposal. | Nil | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | entire ROM (limestone) of cement grade is used at captive plant. | |

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Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|---------------------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | proposed. | carried out for top soil. | |
| 8b | Concurrent use or storage of topsoil | Proposed. | carried out. | |
| 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 | 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) | 400 nos during the year 2022-23. | 451 nos | |
| 8g | Survival rate | | 95% | |
| 8h | Water sprinkling on roads to control airborne dust | water sprinkling on haul roads for dust supression is proposed. | carried out. | |

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8i General remarks of inspecting officer on aesthetic beauty in and around mines area

aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|---|--|
| 9a | Status of submission of Monthly and Annual returns | Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017. | monthly returns submitted. annual return for the year 2022-23 is not yet submitted. | advised the lessee to submit before 1 st July. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Not submitted till the time of inspection date. | Not applicable. | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Not submitted till the time of inspection date. | Not applicable. | |
| 9d | Scrutiny of Annual return on afforestation | Not submitted till the time of inspection date. | Not applicable. | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Not submitted till the time of inspection date. | Not applicable | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Not submitted till the time of inspection date. | Not applicable. | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Not submitted till the time of inspection date. | Not applicable. | |

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| 9h | Scrutiny of Annual return on fixed assets | Not submitted till the time of inspection date. | Not applicable. |
| 9k | Scrutiny of Annual return on mining machineries | Not submitted till the time of inspection date. | Not applicable. |

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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) | 17-MAY-23 | | | |

Date :**(RAMKISHAN R)**

Indian Bureau of Mines