

TELANGANA STATE MINERAL
DEVELOPMENT CORPORATION LIMITED
(A State Government Undertaking)



P.O. Devapur Cement Works – 504 218,
Dist. Mancherial (T.S)
Phone : 91-08736 – 240661,
Fax : 91-8736 – 240522

REGISTERED POST

TSMDC/DVP/ : 391

Date: 25th Nov 2023

To,
Inspector General of Forests
Ministry of Environment, Forest, and Climate Change,
Integrated Regional Office (IRO) - Hyderabad
3rd Floor, Aranya Bhawan, Opp. RBI,
Safiabad – 500004, Hyderabad, Telangana

Sub: Submission of Half Yearly Environmental Clearance Compliance Report for Devapur Limestone Mines of Telangana State Mineral Development Corporation Limited - Reg.

Ref: Environmental Clearance F. No. J -11015/234/2007-IA II (M) Dt: 16.10.2007.

Dear Sir,


With reference to the above cited subject, we are herewith submitting half-yearly condition wise compliance report for Environmental Clearance of Devapur Limestone Mines of Telangana State Mineral Development Corporation Limited, located at Devapur Village, Kasipet Mandal, Mancherial District, Telangana for the period of **April 2023 to September 2023**.

This is for your kind information & record please.

Yours faithfully,

For Devapur Limestone Mine of M/s TSMDC Ltd.


Mines Manager


Encl: As above.

Cc to: **The Environmental Engineer,**
Telangana State Pollution Control Board,
Regional Office, H. No. 6-2-166/A, 1st Floor,
Subhash Nagar, Nizamabad – 503002, Telangana.

Regd. & Corpt office : Rear Block, 4th floor, HMWSSB Premises, Khairatabad, Hyderabad – 500 004.
Phone : +91-040 – 23393814, 23323153; Fax : +91-40-23393152; E-Mail: [tsmdcltd@yahoo.com](mailto:tsmcdcltd@yahoo.com)

Half Yearly Compliance Report(Preview)

Proposal Details

Proposal No

APMDC/OC/2000-01/1638 dated 13.08.2007

Category

Non-Coal Mining

Proposal Name

Expansion of Devapur Limestone Mines (ML area 210 ha, and enhancement of production from 3.0 MTPA to 5.3 MTPA) of Telangana State Mineral Development Corporation Limited at Village Devapur, Tehsil Kasipet in district Mancherial In Telangana State.

Plot / Survey/ Khasra No.**Village(s)****Sub-District(s)****State**

TELANGANA

District

MANCHERIAL

MoEF File No

J-11015/234/2007-IA.II(M)

Name of the Entity/**Corporate Office**

Telangana State Mineral Development Corporation Limited

Entity's PAN

NA

Entity Name as per PAN

NA

Entity details mentioned above is correct

?

Agree

Covering Letter

Covering Letter

[Click to View](#)

Compliance Reporting Details

Reporting Year

2023

Reporting Period

01 Dec(01 Apr - 30 Sep)

Remark(if any)

Status: Operational, Limestone Mine

Details of Production and Project Area**Date of Commencement of Project/Activity**

2007-10-16

| | Project Area as per EC Granted(ha.) | Actual Project Area in Possession(ha.) |
|--------------|--|---|
| Private | 0 | 0 |
| Revenue Land | 0 | 0 |
| Forest | 210 | 210 |
| Others | 0 | 0 |
| Total | 210 | 210 |

PRODUCTION CAPACITY

| Sr.No. | Name of the Product | Units | As per EC Granted | As per CTO Granted | CTO ID | Valid Up To | Production during last financial year |
|---------------|----------------------------|-------------------------------|--------------------------|---------------------------|---------------|--------------------|--|
| 1 | Limestone | Million Tons per Annum (MTPA) | 5.3 | 5.3 | 220823620495 | 30-06-2027 | 3.29 |

Conditions**Specific Conditions**

| Sr.No. | Condition Heading | Condition Details | Status of Compliance,Remarks/Reason and Supporting Documents | |
|---------------|--------------------------|-----------------------------------|---|--------------------------------|
| 1 | WASTE MANAGEMENT | Topsoil shall be stacked properly | PPs Submission | No Topsoil generated / handled |

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|----------|--|--|-----------------------|---|
| | | <p>with proper slope with adequate safeguards and shall be backfilled for reclamation and rehabilitation of mined out area.</p> | | <p>during this compliance period. Complied Attachment: NA</p> |
| <p>2</p> | <p>WATER QUALITY MONITORING AND PRESERVATION</p> | <p>Garland drains shall be constructed to arrest silt and sediments flows from soil and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, greenbelt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site.</p> | <p>PPs Submission</p> | <p>? Garland drains of requisite size were constructed along the dumps and other areas to arrest silt and sediments. ? All garland drains are maintained properly, and de siltation is being carried out at regular intervals. Adequate size of sump is constructed in the lowermost benches with proper measures. Complied Attachment: Click to View</p> |

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|---|-------------|--|----------------|--|
| | | <p>Dump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p> | | |
| 3 | MINING PLAN | <p>Drilling and blasting shall be by using dust extractors/ wet drilling.</p> | PPs Submission | <p>Wet drilling system with inbuilt water injection system is being adopted for drills to suppress dust generation at source. Dust extraction system is provided at crusher and water injectors are provided to arrest fly dust during unloading of limestone into hopper which is also covered with belt curtains. The drilling and blasting operation are carried out during daytime only. Being Complied Attachment: NA</p> |
| 4 | GREENBELT | <p>Plantation shall be raised in an area of 40.6ha including a green belt of adequate width by planting the native species around the ML area, roads, OB</p> | PPs Submission | <p>Complied. We have planted 47893 no?s of plants in an area of 34.488 Ha hectares (Area approved in Modified RMP) within mining lease as on 01.10.2023</p> |

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| | | <p>dumpsites etc. in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha. The company shall avoid plantation of monoculture species. Herbs and shrubs shall also form a part of afforestation program besides tree plantation. Fencing of mine pit shall be by chain link.</p> | <p>Native type of plant species selected for plantation in consultation of local DFO. Complied Attachment: Click to View</p> | |
| <p>5</p> | <p>WATER QUALITY MONITORING AND PRESERVATION</p> | <p>The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.</p> | <p>PPs Submission</p> | <p>? We have implemented suitable conservation measures to augment ground water resources within the mining area by constructing check dams, rainwater harvesting pits and contour trenches. ? Developed 1 no of sump with an extent of 26.77 Ha and having storage capacity of 43.28 Lakh Cubic Meters. ? We have constructed 3 no?s of contour trenches (total length of 460 mts length and 4mts height) and 3 no?s of check dams (25m, 20mts & 20 mts lengths) in mining</p> |

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| | | | | <p>lease area. Complied Attachment: Click to View</p> |
| 6 | WATER QUALITY MONITORING AND PRESERVATION | The company shall undertake measures for rainwater harvesting to recharge the ground water. | PPs Submission | <p>We have developed a sump with capacity of 43.28 lakh m³ rainwater storage, 2 no^s check dams and 1 no^s contour trenches for rainwater harvesting and recharge. Complied Attachment: NA</p> |
| 7 | WATER QUALITY MONITORING AND PRESERVATION | Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year ? pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to MoEF, Central Ground Water | PPs Submission | <p>? Ground water levels & quality are being monitored on a quarterly basis by engaging MOEF&CC certified third party laboratory. ? Two nos of piezometers were constructed in the mine area core zone as per recommendations of Central Ground Water Board (CGWB). ? Data of the same is being submitted to CGWA New Delhi, MOEF&CC IRO Hyderabad, CGWB RO Hyderabad and District Ground Officer Mancherial on regular intervals. Complied Attachment: Click to View</p> |

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| | | Authority and Regional Director, Central Ground Water Board. | | |
| 8 | WATER QUALITY MONITORING AND PRESERVATION | Prior permission from the competent authority shall be obtained for drawl of ground water if any. | PPs Submission | Presently, we are not drawing any ground water. Water required for mines operation, dust suppression, etc. is being met from mines rainwater harvesting sump and necessary permission will be obtained from competent authority as and when required. Complied Attachment: NA |
| 9 | MINING PLAN | Conceptual Mining Plan for every 5 years for the life of the mine shall be prepared and submitted to the Ministry within six months. | PPs Submission | Review of Mining Plan for the period of 2020-2025 including progressive mine closure is approved by Indian Bureau of Mines, Hyderabad. This document is prepared for the conceptual period up to 04-10-2029. Complied Attachment: NA |
| 10 | LAND RECLAMATION | The existing water bodies and that to be created during the course of mining may be utilized to develop pisciculture by organizing | PPs Submission | There are no land losers under the mining lease as the mining area fall under reserve forest. The water bodies shall be used for supplying water for plantations, dust |

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| | | <p>fishermen cooperative society with the land losers, if any and specially the poorer section of the people as members of such society with initial financial assistance in the form of share money and managerial assistance so that the members themselves can run the affairs of the society in due course. The project proponent shall arrange marketing tie up so that the society gets fair price of their product and the profits are equitably shared by the members of the society as regular source of income.</p> | | <p>suppression and for the cement plant operations. Complied Attachment: NA</p> |
| <p>11</p> | <p>Human Health Environment</p> | <p>Action plan for abatement and compensation for damage to agricultural land/common property land (if any) due to mining activity shall be submitted to the Ministry within six months.</p> | <p>PPs Submission</p> | <p>There is no agricultural land / common property land under the mining lease. The entire mining lease area is under reserve forest. Complied Attachment: NA</p> |

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|-----------|--|--|-----------------------|---|
| <p>12</p> | <p>Human Health Environment</p> | <p>Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Occupational health and safety measures for the workers including training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a full time qualified doctor who is trained in occupational health surveillance and health records of the workers shall be maintained.</p> | <p>PPs Submission</p> | <p>? Occupational health surveillance program is being conducted periodically and health records are maintained properly. ? We provide personnel protective equipment (PPE) to workers working in the mining area. ? Workers are provided with regular and adequate trainings and information on safety and health aspects. ? The company has engaged full time qualified doctors in the dispensary, and it is recognized by the State Government as an extension of their PHC at Kasipet (located at 16 kms distance from dispensary). ? The Company provides fully equipped Ambulance services for bringing patients from villages to the dispensary every day. Complied Attachment: NA</p> |
| <p>13</p> | <p>AIR QUALITY MONITORING AND PRESERVATION</p> | <p>Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of</p> | <p>PPs Submission</p> | <p>? Vehicular emissions are being monitored regularly and complying with regulatory norms. ? Regular maintenance is carried out for the vehicles used in the</p> |

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| | | vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. | | mining operations. ? Overloading of the vehicles is not being practiced. Complied Attachment: NA |
| 14 | MINING PLAN | A Final Mine Closure Plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval. | PPs Submission | Final Mine Closure Plan (FMCP) shall be submitted to IBM and MOEF&CC as per prevailing rules for necessary approval. As our Mining Lease is valid up to 04-10-2029. Complied Attachment: NA |

General Conditions

| Sr.No. | Condition Heading | Condition Details | Status of Compliance,Remarks/Reason and Supporting Documents | |
|--------|-------------------|--|--|--|
| 1 | MINING PLAN | No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests. | PPs Submission | Noted & prior approval will be taken form MOEF&CC if there is any change in the scope and working. Agreed to Comply Attachment: NA |
| 2 | MINING PLAN | No change in the calendar plan including excavation, quantum of mineral | PPs Submission | There is no change in the calendar plan |

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|---|---|--|----------------|--|
| | | limestone ore and waste shall be made. | | to produce quantum of mineral limestone and waste. Complied Attachment: NA |
| 3 | GREENBELT | Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department. | PPs Submission | Conservation measures are being taken up in core & buffer zone in consultation with local forest and wildlife department. Complied Attachment: NA |
| 4 | AIR QUALITY MONITORING AND PRESERVATION | Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO ₂ & NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. | PPs Submission | ? Four ambient air quality-monitoring stations, each in core and buffer zone have been established. Ambient air quality monitoring (PM ₁₀ , PM _{2.5} , SO ₂ & NO _x) of core zone and buffer zone is being carried out every month. Monitoring reports are being submitted regularly to TSPCB Regional Office at Nizamabad. Complied Attachment: Click to View |

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|----------------|--|---|---|----------------|--|
| 5 | AIR QUALITY MONITORING AND PRESERVATION | Data on ambient air quality (RPM,SPM, SO2 & NOX) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/Central Pollution Control Board once in six months. | <table border="1"> <tr> <td data-bbox="943 76 1118 815">PPs Submission</td> <td data-bbox="1118 76 1370 815">Data of ambient air quality (PM10, PM2.5, SO2 & NOX) is being submitted to the MOEFCC IRO Hyderabad and TSPCB RO Nizamabad once in six months along with compliance report. Complied Attachment: Click to View</td> </tr> </table> | PPs Submission | Data of ambient air quality (PM10, PM2.5, SO2 & NOX) is being submitted to the MOEFCC IRO Hyderabad and TSPCB RO Nizamabad once in six months along with compliance report. Complied Attachment: Click to View |
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| 6 | AIR QUALITY MONITORING AND PRESERVATION | Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained. | <table border="1"> <tr> <td data-bbox="943 815 1118 1800">PPs Submission</td> <td data-bbox="1118 815 1370 1800">Fugitive dust emissions from all the sources are being controlled. Blast hole drilling is practiced by wet method, water spraying on haul roads and on mineral heaps while loading and unloading at crusher hopper and at conveyor transfer points etc. blasting is carried during non-windy times. Complied Attachment: Click to View</td> </tr> </table> | PPs Submission | Fugitive dust emissions from all the sources are being controlled. Blast hole drilling is practiced by wet method, water spraying on haul roads and on mineral heaps while loading and unloading at crusher hopper and at conveyor transfer points etc. blasting is carried during non-windy times. Complied Attachment: Click to View |
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| 7 | Noise Monitoring & Prevention | Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear plugs/muffs. | <table border="1"> <tr> <td data-bbox="943 1800 1118 2159">PPs Submission</td> <td data-bbox="1118 1800 1370 2159">Noise levels are being monitored and maintained within the prescribed limits. Personnel</td> </tr> </table> | PPs Submission | Noise levels are being monitored and maintained within the prescribed limits. Personnel |
| PPs Submission | Noise levels are being monitored and maintained within the prescribed limits. Personnel | | | | |

| | | | | |
|---|--|--|-----------------------|--|
| | | | | <p>protective equipment like ear plugs/muffs is provided to all workers engaged in mining operations. Complied Attachment: NA</p> |
| 8 | <p>WATER QUALITY MONITORING AND PRESERVATION</p> | <p>Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and Grease trap shall be installed before discharge of workshop effluents.</p> | <p>PPs Submission</p> | <p>The workshop wastewater is being collected in Oil and Grease trap (3 chamber tank) and after settling and clean water is utilizing for dust suppression over haulage road. Complied Attachment: NA</p> |
| 9 | <p>Human Health Environment</p> | <p>Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.</p> | <p>PPs Submission</p> | <p>All personnel working in mines are provided with protective and safety equipment. They are also provided with adequate training and information on safety and health aspects. Health status also periodically monitored as per Mines Rules.</p> |

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| | | | | Complied Attachment: NA |
| 10 | Corporate Environmental Responsibility | A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization. | PPs Submission | Separate Environmental Management cell is established under the control of senior executive and direct reporting to the head of the organization who is responsible for environmental management of Mines. Complied Attachment: Click to View |
| 11 | MISCELLANEOUS | The project authorities shall inform to the Regional Office located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work. | PPs Submission | This is an existing and ongoing project. Requisite information was submitted. Complied Attachment: NA |
| 12 | MINING PLAN | The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bangalore. | PPs Submission | Funds earmarked for environmental protection measures are not being diverted for any other purposes. Expenses incurred towards environmental protection measures for April 2023 to |

| | | | | |
|----|---------------|---|----------------|---|
| | | | | September 2023 is Rs 38.08 Lakhs. Complied Attachment: NA |
| 13 | MINING PLAN | The project authority shall inform to the Regional Office located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work. | PPs Submission | This is an existing and ongoing project. Requisite information was provided to Regional office of the ministry. Complied Attachment: NA |
| 14 | MINING PLAN | The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the regional office by furnishing the requisite data/ information / monitoring reports. | PPs Submission | Noted and full cooperation will be extended to the officer (s) of the regional office by furnishing the requisite data/ information / monitoring reports. Agreed to Comply Attachment: NA |
| 15 | MISCELLANEOUS | A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom suggestion/representation has been received while processing the proposal. | PPs Submission | No suggestion / representation received. Complied Attachment: NA |

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|----|----------------------|--|----------------|--|
| | | | PPs Submission | Noted Complied Attachment: NA |
| 16 | MISCELLANEOUS | State pollution control board should display a copy of the clearance letter at the Regional office. District Industry Centre and Collector's Office/Tehsildar's office for 30 days. | PPs Submission | Complied. No suggestion / representation received. Complied Attachment: NA |
| 17 | Statutory compliance | The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter available with the State Pollution Control Board and also at web site of Ministry of Environment & Forest at http://envfor.nic.in and a copy of the same shall be forwarded to the regional office of this Ministry at Bangalore. | PPs Submission | Advertisement was published in Deccan Chronicle (English) dated: 25-10-2007 and Eenadu (Telugu) dated: 25-10-2007 newspapers and copies were submitted to MOEF & CC, New Delhi and their regional office at Bangalore. Complied Attachment: NA |

Document Upload

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)

Additional Attachment (if any)

NA

Additional Remarks (if any)

Status: Operational, Limestone Mine

- I 'Telangana State Mineral Development Corporation Limited' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.