



**The Singareni Collieries Company Limited  
(A Government Company)  
Environment Department  
Ramagundam-III Area**

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Ref.No.RG-III/ENV/03/2024/ 98

Dt.28.11.2024

**To  
THE DIRECTOR,  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (MoEF&CC),  
INTEGRATED REGIONAL OFFICE,  
ARANYA BHAVAN, 3<sup>rd</sup> FLOOR, SAIFABAD,  
HYDERABAD-500018.**

Dear Sir,

Sub: Half yearly Environmental Monitoring Report of Ramagundam Opencast-II (RG OC-II) Coal Mine Extension Project for the period from April 2024 to September 2024 – Reg.

Ref. No.: J-11015/355/2007-IA.II (M), Dt.27.04.2010.

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With reference to the above subject, please find enclosed here with the Half Yearly Environmental Monitoring Report (Hard and Soft copies) of Ramagundam Opencast-II (RG OC-II) Coal Mine Extension Project for the period from April 2024 to September 2024 for your kind perusal.

The report consists of part-I, which indicates the status of the implementation of environmental clearance conditions, and part-II indicates various environment control measures being taken.

Thanking you,

Yours faithfully,

  
General Manager,  
Ramagundam-III Area.

Enclosed :a/a with soft copy  
CC: EE, TSPCB.RO, NTPC, RGM.  
GM (ENV), Kgm.  
PO OC-II.  
M.F



**THE SINGARENI COLLIERIES COMPANY LIMITED**  
**(A GOVERNMENT COMPANY)**

**RAMAGUNDAM OPEN CAST PROJECT-II COAL MINE**  
**EXTENSION PROJECT**  
**RAMAGUNDAM-III AREA**

**HALF-YEARLY MONITORING REPORT**

**(For the Period April 2024 to September 2024)**

**(In compliance with EIA notification 2006 under Environment (Protection) Act.)**

FOR

**RAMAGUNDAM OPEN CAST PROJECT-II COAL MINE**  
**EXTENSION PROJECT**  
**(RAMAGUNDAM-III AREA)**



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## PART-I

### A. SALIENT FEATURES OF THE PROJECT:

#### RAMAGUNDAM OPENCAST-II COAL MINE EXTENSION PROJECT HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS AS ON 30.09.2024



|   |   |   |  |
|---|---|---|--|
| 1 | Name of the Project                     | : | <b>Ramagundam Opencast-II Coal Mine Extension Project</b>              |
| 2 | Organization                            | : | The Singareni Collieries Company Limited                               |
| 3 | Coalfield                               | : | Part South Godavari Mining lease and Part Pandulapalli mining lease    |
| 4 | Type of Mine                            | : | Opencast   |
| 5 | Technology                              | : | Shovel dumper combination with in pit crusher conveyor technology.     |
| 6 | <b>Environmental Clearance</b>          | : | Obtained from MoEF&CC  |
|   | A. Letter No & date                     |   | J-11015/355/2007-IA.II (M) Dt.27.04.2010                               |
|   | B. Sanction capacity                    |   | 4.00 MTPA  |
|   | C. Mining Lease Area                    |   | 2255.90 Ha   |
|   | D. Date of Public Hearing               |   | 27.06.2009   |
| 7 | <b>Location of the Project</b>          | : | Near Ladnapur , Ramagiri Mandal, Peddapalli Dt.505212, Telangana State |
|   | A. Village                              |   | Near Ladnapur  |
|   | B. Tehsil                               |   | Ramagiri   |
|   | C. District                             |   | Peddapalli   |
|   | D. State                                |   | Telangana State  |
|   | E. Latitude                             |   | N 18 <sup>0</sup> 37' 02 "and 18 <sup>0</sup> 40' 42"                  |
|   | F. Longitude                            |   | E 79 <sup>0</sup> 33' 13" and 79 <sup>0</sup> 36' 43"                  |
|   | G. Topo Sheet                           |   | 65N/10   |
|   | H. Nearest railway station              |   | Ramagundam Railway Station   |
|   | I. Nearest Airport                      |   | Hyderabad  |
|   | J. Nearest town                         |   | Ramagundam   |
| 8 | <b>Address for Correspondence</b>       | : |  |
|   | A. Name                                 |   | Sri CH. Venkata Ramana   |
|   | B. Designation                          |   | PROJECT OFFICER , RG OC-II   |
|   | C. Address                              |   | Centenary Colony (PO) Ramagiri Mandal Peddapalli, Dt.Telanagana State  |
|   | D. Pin Code                             |   | 505212   |
|   | E. E-mail ID                            |   | oc2_rg3@scclmines.com.   |
|   | F. Telephone No.                        |   | 08728-258145   |
|   | G. Phone No.                            |   | 9491144349   |
|   | H. Fax No.                              |   | 08728-259843   |
| 9 | <b>Life of the Project</b>              | : |  |
|   | A. Date of commencement                 |   | 2010   |
|   | B. Total Life of the project as per EMP |   | 27 years   |
|   | C. Balance Life                         |   | 13 years   |

|           |   |   |  |
|-----------|---|---|--|
| <b>10</b> | <b>Seams</b>                              | : |  |
|           | A. No. of Seams Present                   |   | 11   |
|           | B. Seams being worked                     |   | 4  |
| <b>11</b> | <b>Depth</b>                              | : |  |
|           | A. Minimum Depth (m)                      |   | 210 m  |
|           | B. Maximum Depth (m)                      |   | 400 m  |
|           | C. Present working depth (m)              |   | 250 m  |
| <b>12</b> | <b>Reserves</b>                           | : |  |
|           | A. Total Geological Reserves              |   | 116.00 MT  |
|           | B. Total Extractable Reserves             |   | 107.46 MT  |
|           | C. Reserves already Extracted             |   | 32.35 MT   |
|           | D. Balance Reserves                       |   | 1.20 MT  |
|           | E. Coal production during last six months |   | 75.11 MT   |
| <b>13</b> | <b>Over Burden</b>                        | : |  |
|           | A. Total OB                               |   | 830.68 M.Cu.m  |
|           | B. OB extracted since inception           |   | 293.791 M.Cu.m   |
|           | C. OB removed in last six months          |   | 10.361 M.Cu.m.   |
|           | D. Balance Reserves                       |   | 536.889 M.Cu.m.  |
|           | E. Stripping Ratio                        |   | 9.08 Cu.m/ T   |
| <b>14</b> | <b>Top soil</b>                           | : |  |
|           | A. Total Topsoil                          |   | 116.90 L.Cu.m.   |
|           | B. Topsoil extracted since inception      |   | 62.68L.Cu.m.   |
|           | C. Topsoil preserved                      |   | 54.02 L.Cu.m   |
|           | D. Topsoil removed in last six months     |   | 0.60 L.Cu.m  |
| <b>15</b> | <b>Land Requirement</b>                   | : |  |
|           | A. Total Requirement                      |   | 2255.90 Ha.  |
|           | B. Forestland Involved                    |   | 333.48 Ha  |
|           | C. Non-forestland                         |   | 1922.42 Ha   |
| <b>16</b> | <b>Activity wise Land Requirement</b>     | : | <b>As per EMP (in Ha)</b> <b>Present Status (in Ha)</b>              |
|           | A. Quarry Area                            |   | 610.59      452.01Ha   |
|           | B. External OB Dumps                      |   | 1162.61      Spreader dump- 193.55<br>Adriyala Dump - 465.55         |
|           | C. Infrastructures                        |   | 26.98      82.19   |
|           | D. Others                                 |   | 455.72      400.51   |
|           | E. Total                                  |   | 2255.90      1593.81   |
| <b>17</b> | <b>Statutory Clearances</b>               | : |  |
|           | A. Ground Water Clearance                 |   | Vide Lr.No.Memo No.6031/Hg.II(2)/07, dt. 11.04.2008.                 |
|           | B. Consent for Establishment              |   | Vide Order .No.72/PCB/CFE/RO/RGM/HO/2010/689, Dt. 30.09.2010         |
|           | C. Consent for Operation                  |   | Consent Order No.220523671818, Dt.04.08.2022, valid upto 31.03.2027. |
|           | D. Forest Clearance                       |   | 1) Letter No. F.No.8-109/2005-FC (VOL)                               |

|    |                     |   |
|----|---------------------|---|
|    |                     | Dt.01-08-2013<br>2)G.O. Ms.No.79 Dated:21.09.2013,  |
|    | E. Mining Lease     | Project Area falls in South Godavari Mining Lease and Pandulapalli Mining lease.<br>1. South Godavari mining lease (Part) valid up to 31-12-2034.<br>2.Pandulapalli mining lease (Part) upto 18-07-2041 |
|    | F. Others (Specify) | --  |
| 18 | R & R Involved      | : R& R identified development works is in progress.   |

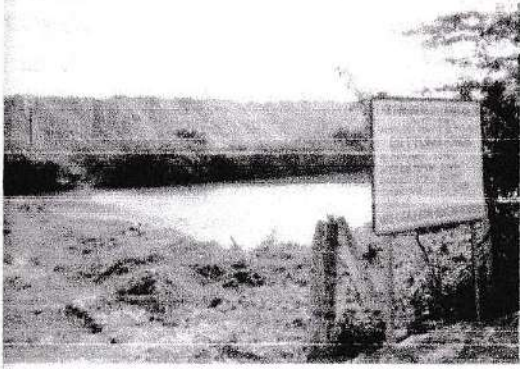
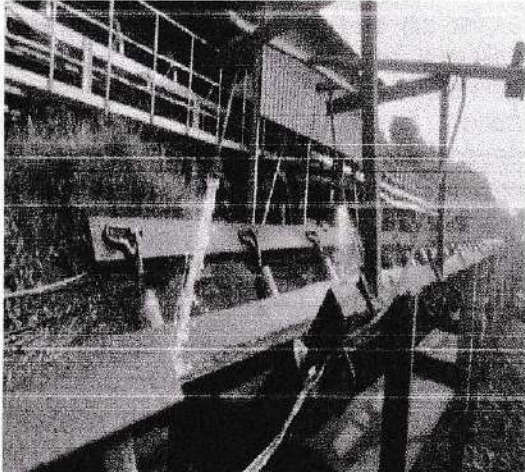
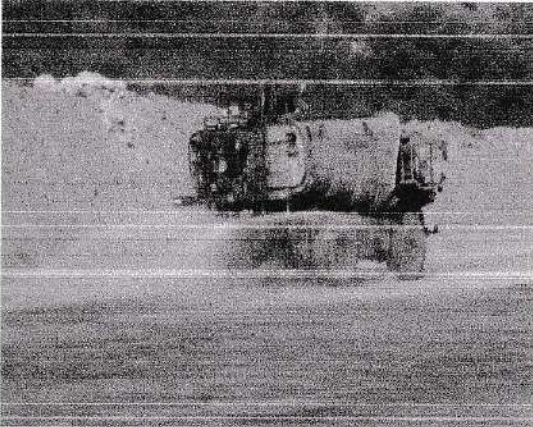
**B. STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS AND ITS IMPLEMENTATION STATUS AS ON 30.09.2024.**


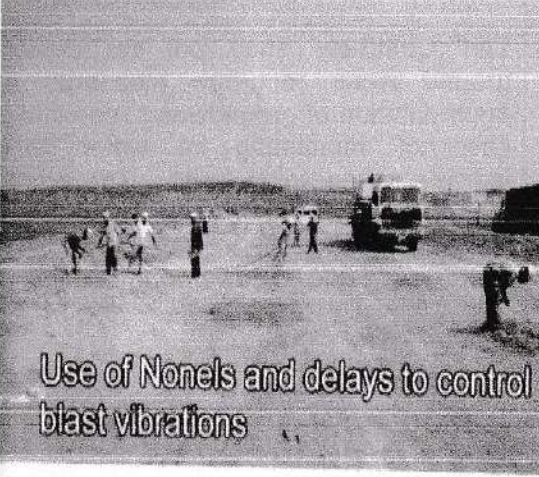
Environment Clearance No.J-11015/355/2007-IA.II (M) Dt.27.04.2010

| A   | Specific Conditions   | Compliance Status   |
|-----|---|---|
| i   | No mining operations shall be undertaken in 147.42 ha of forestland until prior forestry clearance has been obtained under the provisions of FC ACT,1980  | 1) Vide letter No. F.No.8-109/2005-FC (VOL) Dt.01-08-2013, Ministry of Environment and Forests (FC Division), Govt. of India has granted final approval for diversion of 147.42 Ha of Forest land in favor of SCCL.<br>2) Vide G.O. Ms.No.79 Dated: 21.09.2013, Govt. of Andhra Pradesh issued orders for diversion of 147.42 Ha of Forest land in favor of SCCL.<br>Complied.  |
| ii  | Adequate safety distance/barrier shall be maintained from the drainage along the ML boundary. Diversion tributary of river and SRSP irrigation canal flowing across the lease involving an area of 9.60 ha and its realignment at the boundary of the lease shall be carried out in consultation with the State Flood and irrigation Department. The embankment of 6.28 Ha to be constructed along the river shall be based on peak flow data and shall be at least 3m above the HFL. The slope of the embankment shall at least 2:1 towards the ML compacted and stone pitching done towards the river and shall be stabilized with plantation. Materials such as OB shall be tested for strength before using for construction of embankment. | a) Opencast workings are being maintained 40 m distance from SRSP (L6) irrigation canal.<br>b) Approval was accorded by Govt. of AP for diversion of SRSP canal (Memo No.25756/M&MI(T-II)/A2/2011 Dt:03.06.2013). Diversion of canal was completed.<br>c)The existing embankment along the Bokkalavagu is constructed 3 m. above the HFL<br><br> <p align="center">Bokkala vagu<br/>Greenary both sides of stream</p> |
| iii | Topsoil shall be stacked properly with proper slope at earmarked site(s) and shall not be kept active and shall be used for reclamation and development of green belt   | Top soil of 54.02 L. Cu.M was stacked properly at earmarked site(s) for future reclamation purpose.<br><br>   |
| iv  | Necessary permission shall be obtained from DGMS based on the detailed investigation report of the pit slope and dump slope stability and monitoring.   | A scientific study was conducted dump slope stability CIMFR Dhanbad and the guidelines of the study are being implemented in the project. Complied.   |
| v   | Overall angle of slope of the external dump of a combined 520m depth shall be kept within 28 degrees.   | Overall angle of slope of the external dump is being maintained at 28 degrees. Being complied.  |
| vi  | OB shall be stacked at earmarked four external OB dumpsites of 479.51 ha  | a) Total OB removed is 293.79 M.Cu.m. At present the dump height is 90m (spreader)  |

|                   |  |   |
|-------------------|--|---|
|                   | <p>within ML area and shall not exceed a maximum height of 120m consisting of 4 benches of 30m each. An additional 364.29 Mm<sup>3</sup> of OB shall be also re handled from quarry C from GDK-10 and backfilled into the void and the final void at the post mining stage would be reduced to 35 m depth over an area of 470 ha. The ultimate slope of the dump shall not exceed 28 degrees. A 30m safe berm width shall be maintained for every bench of 30 m height in the external OB dump of a max height of 90m to 120 m and each bench shall be properly compacted and stabilized and also biologically reclaimed. Slope stability studies shall be carried out and stability of the dumps continuously monitored and particularly during monsoon and post monsoon seasons to ascertain its stability. Monitoring and management of existing reclaimed dump sites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment and Forests and its Regional Office located at Bangalore on an yearly basis.</p> | <p>&amp; 75m (Adriyala). Maximum dump height will be maintained at 120 m.</p> <p>b) Ultimate dump slope will be maintained at 28 degrees.</p> <p>c) Height of the each deck is being Maintained at 30 meters. .</p> <p>d) Re handling of the OB and back filling in to the quarry at post mining stage will be taken up at an appropriate stage.</p> <p>e) Slope stability study was conducted by CIMFR.</p> <p>f) Monitoring of the dump slope stability is being done during the Monsoon and post monsoon seasons.<br/>Being complied.</p>  |
| <p>vi<br/>(a)</p> | <p>Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development, etc. The drains shall be regularly de-silted and maintained properly.</p> <p>Garland drains of suitable size, gradient and length and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide for adequate retention period to allow proper settling of silt material.</p>   | <p>a) 7.0 Kms Deck Drains are constructed all along the decks and also 10.8 kms garland drain was provided around the quarry and being maintained.</p> <p>b) 12 nos. of settling ponds (20mx20mx 3m) are constructed and being maintained. The water so collected is utilizing for watering the mine area, roads, green belt development and agriculture in nearby cultivation lands.</p> <p>Garland drains and deck drains gradient and length and sump capacity was designed to 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity also maintaining to provide for adequate retention period to allow proper settling of silt material.<br/>Being complied.</p> |



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|------|--|---|
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| vii  | <p>Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.</p>  | <p>1.8 Km length of toe wall has been constructed along the OB dump. 2.00 Kms toe wall constructed at 3<sup>rd</sup> deck. Dimension of the retaining wall at the toe of the dumps and OB benches within the mine was designed to check the run-off and siltation, based on the rainfall data.</p> <p>Being Complied</p>  |
| viii | <p>In- pit crushers shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, haulage roads and transfer points. Transfer of coal from the pit to surface shall be by closed conveyors only. No mineral transportation shall be by road.</p> | <p>a) Sufficient water spraying system was arranged at crushers, haulage Roads and transfer points of conveyer belts to arrest fugitive emissions.</p> <p>b) Mineral transportation is being done by closed Belt conveyors only.</p> <p>c) No mineral is transported by road.</p>   |
| ix   | <p>Drills shall be wet operated only</p>   | <p>Drills are being operated with wet drilling arrangement only.</p>  |

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|------------|--|---|
|            |  |   |
| <p>x</p>   | <p>Controlled blasting shall be practiced only during daytime with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.</p>  | <p>Controlled blasting is being practiced using NONELS and being carried during daytime to control ground vibrations and to arrest fly rocks. Regular monitoring of ground vibrations and the fly rock is being maintained.</p>  |
| <p>xi</p>  | <p>Mine discharge water of 3810 m<sup>3</sup> /d and 18,340 m<sup>3</sup>/d during peak monsoon shall be treated in a three stage sedimentation tank along with coagulants, if required and shall meet standards prescribed especially with respect to pH, As, F and Total Suspended Solids (TSS) before discharge into natural water courses/agriculture.</p> | <p>Mine discharge water is being sent to the natural course through the settling ponds and some quantity through sedimentation tanks.<br/>Discharge water is being tested once in fortnight and found that the values are within the limits.</p>  |
| <p>xii</p> | <p>No ground water shall be used for the mining/project activities. Additional water required, if any, shall be met by recycling/reuse of the water from the existing activities and from rainwater harvesting measures.</p>   | <p>No ground water is being used for mining activities at this mine. ETP recycled water is being used for HEMM washing and plantation. Rainwater is also being used for green belt and other activities. Being complied.</p>  |

|             |  |  |
|-------------|--|--|
| <p>xiii</p> | <p>Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new peizometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment &amp; Forests and to the Central Pollution Control Board quarterly within one month of monitoring.</p> | <p>a) Ground water levels are being monitored &amp; recorded regularly by SCCL exploration Dept., four times a year and found that there is no decrease in the ground water level.</p> <p>b) Data collected from monitoring activities is being submitted to the MoEF&amp;CC, Telangana State Ground Water Department, Peddapalli &amp; CPCB, New Delhi.</p> <div data-bbox="893 448 1244 828" style="text-align: center;"> </div>   |
| <p>xiv</p>  | <p>The Company shall put up artificial ground water recharge measures for augmentation of groundwater resource in case of monitoring of water table indicates a declining trend. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.</p>   | <p>a) One summer water storage tank is constructed in front of GM's office and water is being stored for ground water recharging. The details of the summer storage tank is :</p> <p>Length = 444m, Avg. width=130m,<br/>Avg. depth=10m,<br/>Capacity=126.98 million gallons</p> <p style="text-align: center;"><b>Summer storage tank</b></p> <div data-bbox="853 1243 1356 1579" style="text-align: center;"> </div>   |
| <p>xv</p>   | <p>Besides carrying out regular periodic health check up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any, through an agency such as NIOH, Ahmedabad within a period of one year and the results reported to this Ministry and to DGMS.</p>   | <p>SCCL is also conducting regular health camps in villages located in the vicinity of project to study the health status of the people and is providing free treatment in SCCL hospitals.</p> <p>In addition, SCCL established eleven Initial Medical Examination (IME) /Periodical Medical Examination (PME) centres in the company, i.e., at Kothagudem, Manuguru, Yellandu, Godavarikhani, Sector - III Colony(Godavarikhani), Bellampalli, Ramakrishnapur, Mandamarri, Srirampur, Bhupalapally and Sathupalli for conducting IME/PME of the employees</p> |

including contract employees.

All the PME Centres are equipped with necessary infrastructure for carrying out IME/PME and maintenance of data base.

Every PME centre is provided with the facility for chest radiographs as per ILO guidelines with a set of ILO standard chest radiographs on Pneumoconiosis, lung function tests with computerized Spirometres of RMS make, and facilities for Audiometry with pure tone Audiometry equipment.

All the Chest radiographs of the Initial and Periodical Medical examinations are being classified for detection, diagnosis and documentation of Pneumoconiosis in accordance with the ILO classification for Pneumoconiosis according to DGMS guidelines.

All the PME Doctors employed except gynecologists, pediatricians, surgeons and ortho surgeons are trained to read PME X-rays in accordance with ILO classification of Pneumoconiosis.

Out of a total of 209 Doctors on roll as on date, 123 Doctors are trained in reading the chest radiographs as per the ILO guidelines. SCCL has one Occupational Diseases Board


(Pneumoconiosis Board) in existence since 1965. Chief of Medical Services, Radiologist constituted the Occupational Diseases Board, Physician and Occupational Health Physician together.

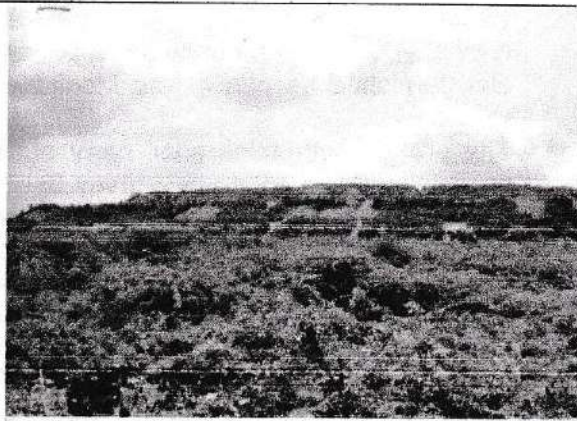
In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.

Eye refraction test is being done for vehicle drivers and HEMM operators at an interval of once in a year.


The PME details are being submitted to the Ministry and to the DGMS at regular intervals. In SCCL, Every employee above 45 years age is examined at an interval of once in three years and employees of below 45 years age are examined once in five years under PME. If, on examination his health status is found to be normal, he will be reviewed after completion of 5/3 years period.

Eye refraction test is being done for vehicle drivers and HEMM operators at an interval

|      |   |   |
|------|---|---|
|      |   | <p>of once in a year.</p> <p>The PME details are being submitted to the Ministry and to the DGMS at regular intervals.</p> <p>132 Persons of the workforce is identified for health checkup for occupational diseases and hearing impairment.</p> <p>114 persons were medically examined from April 2024 to September 2024, and the checkup is being continued to cover the 10% of the work force engaged in active mining operations.</p> <p>IME/PME report is attached<br/>Being complied.</p>                    |
| xvi  | ETP shall also be provided for workshop and CHP wastewater. Mine discharge water shall be treated to prescribed standards before discharge into any natural water course.   | <p>ETP is provided at Base workshop. It is working in good condition, the details of the ETP are Capacity of settling chamber =285cu.m,<br/>Capacity of oil chamber =25cu.m, Ave. flow water /day = 60 KLD, Oil removing per month =8 to 10 litres<br/>Grease removal per month =1 kgs,<br/>Construction of ETP cost 8.5 Lakhs.<br/>Complied.</p>   |
| xvii | Afforestation shall cover a total area of not less than 1615.44 ha which includes reclaimed external OB dump (1132.59 ha) reclaimed topsoil dump (30.02 ha) backfilled quarry area (140.59 ha) along ML boundary, along roads and along service buildings and CHP, and in areas within the lease (312.24 ha) by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha. | <p>a) From April 2024 to September 2024, plantation was done is 90.00 Ha<br/>b) Cumulative plantation done in the mine covering 526.94 Ha.<br/>As per EMP in 12<sup>th</sup> year 2020-2026 -461 Ha</p> <p>b) Plantation is done every year covering the total mining activities completed areas.<br/>c) Special attention is paid towards plantation over dump slopes and efforts are being made to use suitable species for planting under the guidance of Singareni Forestry Department.<br/>Being complied.</p> |

|       |   |  |
|-------|---|--|
|       |   |    |
| xviii | A mine closure plan shall be implemented by reclamation of quarry area which shall be backfilled from 1 <sup>st</sup> year of mining and backfill the void of an area of 140.59 ha which shall be afforested by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.   | <p>a) Progressive Mine closure plan is prepared and it is under implementation.</p> <p>b) Plantation with native species is being taken up by SCCL Forestry Dept.</p> <p>c) The density of the trees is being maintained around 2500 plants per ha. Being complied.</p>  |
| xix   | For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series) and the report submitted to MoEF and its Regional Office at Bangalore. | <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out during 2022 in 1:50,000 scale for monitoring land use pattern by Greencindia Consulting Private Limited and report is submitted to MoEF&amp;CC/ Regional Office (RO) at Hyderabad.</p> <p>The details of the land use study of core and buffer zone is furnished<br/>Being complied.</p>                      |
| xx    | A Final mine closure plan along with details of corpus fund shall be submitted to the Ministry of Environment and forests 5 years in advance of final mine closure for approval   | <p>The project will be amalgamated in the proposed Ramagundam Coal Mine for which Mining Plan and including Mine Closure Plan is approved by MoC, Govt vide Lr.No.55026/1/2020-CPAM, dt.18.08.2020.</p> <p>The final Mine Closure Plan along with details of Corpus Fund will be submitted to the Ministry of Environment &amp; Forests 5 years in advance of final mine closure for approval.<br/>Agreed to Comply.</p> |
| xxi   | The costs for implementation of a project specific R&R plan of Akkapalli, Siddapalli and Rajapur for the 1007 PAFs of the 3 villages which includes 296 land losers shall not be less than Rs.19.10 crores  | <p>R&amp;R plan is being implemented as per G.O.no.68 of Government of Telangana and the progress of R&amp;R implementation is furnished.<br/>Being complied.</p>  |
| xxii  | An amount not less than a capital expenditure of Rs.27.52 crores and a revenue expenditure of Rs 584.21 lakhs shall be earmarked and utilized for environmental protection measures, the  | <p>The compliance reports in HYMR along with the expenditure details are being uploaded in SCCL website.</p>   |

|   |   |   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
|---|---|---|------------|-----------------|--|--|--|--|------------|--|--|--|--|--|----------------------------------|----------------|--|--|--|--|---|--------------|--|--|--|--|------------------------------|--------------|----------------------|------------|---------------|--|-----------------------|--------|---------|----|-----------------|--|-----------------------|--------|---------|----|-----------------|--|--|--------|--------|----|----------------|--|
|   | status of which shall be uploaded regularly on the company website and also furnished as part of the Monitoring report.   | Being complied.   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| xxiii                                   | The project authorities shall carry out a pre-mining socio economic survey based on the UNDP human development report and monitor the Socio-economic status of the adjoining villages once every three years and maintain records thereof and report in their Annual report, the socio-economic impact of R&R and CSR activities. The yearly activities undertaken and progress made on R&R and on CSR for the villages identified under this project shall be uploaded on the company's website and updated at least once in six months. | The Socio-economic status of the adjoining villages is being carried out once every three years on impact of R&R and CSR activities, and records being maintained. A study on evaluation of impact of R&R and CSR activities was conducted through EPTRI; Hyderabad for the period from April 2023 to September 2023.<br>The yearly R&R and CSR activities under taken for the villages are being uploaded on the company's website along with the half yearly monitoring reports.<br>Being complied.   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| <b>A</b>                                | <b>General Conditions</b>   | <b>Compliance Status</b>  |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| (i)                                     | No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.  | There is no change in mining methodology as envisaged in the EMP.<br>Being complied.  |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| (ii)                                    | No change in the calendar plan including excavation, quantum of mineral coal and waste shall be made.   | Year wise coal production and OB removal details are given.<br><table border="1" data-bbox="810 958 1362 1742"> <tr> <td>Total</td> <td colspan="5">830.68 M.Cu.m</td> </tr> <tr> <td>Overburden</td> <td colspan="5"></td> </tr> <tr> <td>Total OB removed since inception</td> <td colspan="5">283.43 M.Cu.m.</td> </tr> <tr> <td>Total OB removed during last six months</td> <td colspan="5">14.61 M.Cu.m</td> </tr> <tr> <td>Details of External OB dumps</td> <td>Area (in Ha)</td> <td>Quantity in (M.Cu.m)</td> <td>Height (m)</td> <td colspan="2">Overall slope</td> </tr> <tr> <td>Dump-1(Spreader dump)</td> <td>193.55</td> <td>1185.42</td> <td>90</td> <td colspan="2">17<sup>o</sup></td> </tr> <tr> <td>Dump-2(Adriyala dump)</td> <td>465.55</td> <td>2659.95</td> <td>75</td> <td colspan="2">18<sup>o</sup></td> </tr> <tr> <td>Details of Internal dump (Backfilling)</td> <td>171.09</td> <td>603.11</td> <td>60</td> <td colspan="2">9<sup>o</sup></td> </tr> </table><br>Being complied | Total      | 830.68 M.Cu.m   |  |  |  |  | Overburden |  |  |  |  |  | Total OB removed since inception | 283.43 M.Cu.m. |  |  |  |  | Total OB removed during last six months | 14.61 M.Cu.m |  |  |  |  | Details of External OB dumps | Area (in Ha) | Quantity in (M.Cu.m) | Height (m) | Overall slope |  | Dump-1(Spreader dump) | 193.55 | 1185.42 | 90 | 17 <sup>o</sup> |  | Dump-2(Adriyala dump) | 465.55 | 2659.95 | 75 | 18 <sup>o</sup> |  | Details of Internal dump (Backfilling) | 171.09 | 603.11 | 60 | 9 <sup>o</sup> |  |
| Total                                   | 830.68 M.Cu.m   |   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Overburden                              |   |   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Total OB removed since inception        | 283.43 M.Cu.m.  |   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Total OB removed during last six months | 14.61 M.Cu.m  |   |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Details of External OB dumps            | Area (in Ha)  | Quantity in (M.Cu.m)  | Height (m) | Overall slope   |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Dump-1(Spreader dump)                   | 193.55  | 1185.42   | 90         | 17 <sup>o</sup> |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Dump-2(Adriyala dump)                   | 465.55  | 2659.95   | 75         | 18 <sup>o</sup> |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| Details of Internal dump (Backfilling)  | 171.09  | 603.11  | 60         | 9 <sup>o</sup>  |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |
| (iii)                                   | Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.   | Eight ambient air quality monitoring stations were established in the core zone as well as in the buffer zone in consultation with the TSPCB.<br><br>Complied.  |            |                 |  |  |  |  |            |  |  |  |  |  |                                  |                |  |  |  |  |   |              |  |  |  |  |                              |              |                      |            |               |  |                       |        |         |    |                 |  |                       |        |         |    |                 |  |  |        |        |    |                |  |

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| (iv)   | Fugitive dust emissions (PM 10 and PM 2.5) from all the sources shall be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, and dump trucks (loading and unloading) points shall be provided and properly maintained. | PM <sub>10</sub> and PM <sub>2.5</sub> monitoring is being done by EPTRI, Hyderabad. Water spraying is being done regularly on haul roads, coal unloading points and along the belt conveyor to control the dust emissions. The details of air pollution control measures being taken at the project. Being complied.   |
| (v)    | Data on ambient air quality (PM10, PM2.5, SO2 and NOx) shall be regularly submitted to the Ministry including its Regional Office at Bangalore and to the State Pollution Control Board and the Central Pollution Control Board once in six months.                                    | The report is being submitted to the Sub-Office, MoEF&CC, Hyderabad and to the Telangana State Pollution Control Board once in six months. The ambient air quality data of the last six months period. Being complied.  |
| (vi)   | Adequate measures shall be taken for control of noise levels below 85 dB (A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.  | All the HEMM cabins are covered and made sound proof by providing AC cabins. Workers are exposed in blasting and drilling operations are being provided with ear plugs/muffs, the details of noise monitoring. The details of noise monitoring. Being complied.   |
| (viii) | Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.   | <p><u>Vehicular emissions</u> are being kept under control and they are regularly monitored. The latest vehicular emissions test for HEMM <u>Vehicular emissions</u> test was conducted during the period from 21.08.2024 to 27.08.2024. All the vehicles engaged in mining and allied activities are being operated after obtaining 'PUC' certificate from the authorized pollution testing center. Being complied.</p>  |
| (ix)   | Environmental laboratory shall be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.   | Monitoring is being done by M/s EPTRI Hyderabad regularly as per the schedule. EPTRI field lab was established at RG-I Area, Godavarikhani on 20-5-2013 for testing of critical parameters in the field. Complied.  |
| (x)    | Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate   | Persons working in dusty areas are being provided with dust masks.  |



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|        | <p>training and information on safety and health aspects.</p> <p>Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof.</p> | <p>Men On Roll-878</p> <p>Occupational health checkup surveillance Program is being conducted periodically.</p> <p>114 No. of workmen underwent Periodical medical Examination.</p> <p>Complied.</p>  |
| (xi)   | <p>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 Company.</p>  | <p>M/S SCCL is having an Environmental Department with qualified Environmental Officers under the control of General Manager to monitor the environmental safeguards. Apart from this, Environmental Management committee is formulated at the project level with multi-disciplinary team under the control of Project Officer. The details of environmental management committee.</p> <p>Being complied.</p> |
| (xii)  | <p>The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bangalore.</p>   | <p>The funds earmarked for environmental protection measures are being spent on environmental protection works only and are not being diverted for other purpose.</p> <p>Being complied.</p>  |
| (Xiii) | <p>The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p>  | <p>Project authorities are being extended full co-operation during the visits of the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p> <p>Being complied.</p>  |
| (xiv)  | <p>A copy of EC will be marked to concerned Panchayat / local NGO, if any, from whom any suggestion / representation on has been received while processing the proposal.</p>   | <p>This condition was compiled immediately after receiving EC from MoEF&amp;CC, New Delhi.</p> <p>The copies of the environmental clearance were submitted to heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government and for displayed the same for 30 days from the date of submission.</p> <p>Being complied.</p>                                     |
| (xv)   | <p>State Pollution Control Board shall display of the clearance letter at the Regional Office, District Industry Centre and Collectors Office / Tehsildar's Office for 30 days.</p>  | <p>Environmental clearance letters send to EE, RO, Ramagundam, District Industries Centre, Karimnagar, Collector office, Karimnagar and local MRO Office, Kamanpur, for displaying at their office premises.</p> <p>Being complied.</p>   |
| (xvi)  | <p>The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded</p>      | <p>Complied.</p> <p>The advertisement regarding grant of Environmental Clearance to this Project was published in two local news papers.</p> <p>A copy of the Environmental clearance was</p>   |

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|        | <p>environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at the website of the ministry of Environment &amp; Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p>  | <p>also displayed in the SCCL's website permanently.</p> <p>A copy of the Environmental clearance was submitted to Telangana State Pollution Control.</p> <p>Complied.</p>   |
| (xvii) | <p>As per MoEF &amp; CC O.M.No.22-34/2018-IA.III Dated:16.01.2020 "The mining lease holders shall, after ceasing mining operations undertake regressing the mining area and other which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc"</p> | <p>At the end of mining operations, the mining areas and other areas were disturbed due to mining will be regress restored to the land to condition which is fit for grown of fodder, flora, fauna etc"</p> <p>Agreed to Comply.</p> |

  
 Project Officer,  
 RG OC-II, RG-III.