



**State Level Environment Impact Assessment Authority (SEIAA)**  
**Andhra Pradesh**  
**Government of India**  
**Ministry of Environment & Forests**  
A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/GTR- 54/2012-

Dt: 10.07.2013

**Sub: SEIAA, A.P. – Proposed 30 MW Captive Power plant of M/s. Durga Cement Works (a unit of M/s. Andhra Cements Ltd.), Durgapuram (V), Dachepalli (M), Guntur District – Environmental Clearance (Expansion) - Issued - Reg.**

- I. This has reference to your application submitted vide Ir. dt. 12.05.2012 & subsequent Ir. dt. 01.03.2013 seeking Environmental Clearance for the proposed **Captive Power Plant** within the existing premises, in the name of **M/s. Durga Cement Works (a unit of M/s. Andhra Cements Ltd.), Durgapuram (V), Dachepalli (M), Guntur District**. It is noted that the nearest human habitation viz., Shrinagar (V) exists at a distance of 0.8 km from the project site. It is noted that several Reserve Forests exist within the study area of 10 km around the site. The total area of the proposed Captive Power plant is 3.0 Ha., within the existing site of Cement Plant of 141.57 Ha. The cost of the proposed project is 135.87 Crores and the generation capacity of the project is as following:

**Electricity: 1 x 30 MW.**

S.No.	Fuel	Requirement	Sulphur content
1.	Imported Coal	0.146 MTPA	0.6%

- II. In the process, HSD / FO are used as start up fuels. Subsequently, the coal is fed into the Atmospheric Fluidized Bed Combustion Boiler. The steam generated will be routed through a steam turbine. The steam turbine is connected to generator to generate electricity.
- III. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on 19.05.2012 & 24.04.2013. The public hearing was held on 30.01.2013 near Durga Temple, Durgapuram (V), Dachepalli (M), Guntur District. The proponent has submitted a copy of the MOU dt. 26.02.2013 between the proponent and M/s. Rawmett Commodities Pvt. Ltd., Kolkata, for supply of Imported coal. Based on the information furnished, presentation made by the proponent and the environmental consultant M/s. Vimta Labs, Hyderabad; copy of coal linkage document; minutes of the public hearing and representations received on establishment of the proposed project, the SEAC considered the project proposal and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 08.05.2013 examined the proposal and the recommendations of SEAC. It was decided to issue Environmental Clearance to the project. The SEIAA, A.P **hereby accords Environmental Clearance for Expansion of the project** as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following conditions/safeguards:

**A. Specific Conditions:**

**a) Air pollution:**

- i The particulate emissions from the stack of height 77 m, connected to the AFBC Boiler of capacity 132 TPH, shall not exceed 50 mg/Nm<sup>3</sup> as committed in the presentation & EIA report. Limestone shall be used as the bed material in the boiler to absorb Sulphur. ESP shall be provided to control particulate emissions.
- ii Provision shall be made to provide Flue Gas Desulphurization (FGD) unit, if required in future.

- iii On line monitors shall be provided to measure stack emissions and Ambient air quality. Separate energy meters shall be provided for all pollution control systems.
- iv Raw materials shall be transported in covered trucks. Raw materials shall be stored under sheds. All the belt conveyors shall be covered with G.I. sheets. Appropriate dust suppression system shall be provided all around the stockpiles and conveyor system. All the roads in the plant area shall be asphalted / concreted and water shall be sprinkled to suppress the dust.
- v In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials handlings etc. shall be provided. Further, adequate dust collection and extraction system such as bag filters shall be provided at all transfer points, raw material screen houses, hoppers, stock house, product house etc., Fugitive emissions shall be regularly monitored and records maintained.
- vi Ambient air quality including ambient noise levels must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by the MoE&F, GOI. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB and report submitted to the Board and to the Ministry's Regional Office at Bangalore half yearly.
- vii The proponent shall comply with the Office Memorandum dt. 05.02.2013 issued by the Ministry of Environment & Forests, Govt. of India, w.r.t. quality of imported coal, etc.,

**b) Water Pollution:**

- i The source of water is rain water collected in mines pits. The total water requirement shall not exceed 550 KLD. Out of that, quantity of water used for Boiler feed water makeup considering D.M. Plant is 449.4 KLD; Ventilation system is 6.1 KLD; Potable water in plant is 17.6 KLD; Washings & Sanitation is 30.8 KLD; Gardening & Landscaping is 14.3 KLD; Water treatment losses is 31.9 KLD.
- ii The total waste water generated is 275.4 KLD. Out of that, 233.4 KLD is from Boiler blow down; 1.2 KLD is from Ventilation system; 14.2 KLD is from Potable water in plant; 26.6 KLD is from Washings & Sanitation.
- iii No effluent shall be discharged outside the factory premises and 'zero' discharge shall be adopted. The DM plant regeneration water shall be subjected to neutralization. It shall be routed to Guard pond along with effluent generated from Ventilation system. The treated waste water shall conform to on land for irrigation standards prescribed by the MoE&F, GOI. The treated industrial waste water is to be used for dust suppression, bottom ash handling and development of greenbelt. The domestic waste water shall be treated in STP and sent to Guard pond.
- iv The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.
- v The area of the greenbelt shall not be less than 33% of the total area of the site of the proposed power plant. Greenbelt with tall growing trees shall be developed along the boundary of the site.

**c) Solid Waste :**

- i. The Ash generated (0.0175 MTPA) from the plant i.e., Fly Ash (0.0140 MTPA) and Bottom Ash (0.0035 MTPA) shall be utilized in the Cement Plant.

The proponent shall comply with the provisions laid under notification S.O. 2804 (E), dt. 03.11.2009 with respect to utilization of Ash generated from the power plant. The proponent shall utilize 100% of fly ash generated in the plant, within four years from the date of commissioning. An action plan to that effect shall be submitted to the CPCB, APPCB, Regional office of MoE&F, GOI, Bangalore within a period of four months.



- ii. Annual implementation report (for the period from 1st April to 31<sup>st</sup> March) providing information about the compliance of provisions in the above mentioned notification shall be submitted by the 30<sup>th</sup> day of April, every year to the CPCB, APPCB, Regional office of MoE&F, GOI, Bangalore and also be made part of the annual report of the thermal power plant.
- iii. Waste oils, used oils, hazardous waste generated from the industry shall be disposed as per the Hazardous Wastes (Management, Handling, and transboundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by APPCB.

**B. General Conditions:**

- i. **This order is valid for a period of 5 years.**
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.
- iii. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- iv. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.
- v. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional office of MoE&F, GoI, Bangalore on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- vi. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for 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.
- vii. Data on ambient air quality 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.
- viii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- ix. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- x. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xi. The funds earmarked for environmental protection measures (Capital cost of Rs 16.3 crores & Recurring cost of Rs. 5.1 crores /annum) and Corporate Social Responsibility (CSR) activities (Capital cost of Rs 54.0 crores & Recurring cost of Rs. 10.8 crores /annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bangalore.
- xii. The Regional Office of MOE&F located at Bangalore 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.

- xiii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xiv. 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 is available with the State Pollution Control Board and SEIAA, A.P. This order shall be displayed in the website of the project proponent.
- xv. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.
- xvi. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xvii. The company shall undertake eco-development measures including community welfare measures in the project area.
- xviii. The proponent shall obtain all other mandatory clearances from respective departments.
- xix. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xx. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxi. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-  
MEMBER SECRETARY  
SEIAA, A.P.

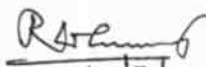
Sd/-  
MEMBER  
SEIAA, A.P.

Sd/-  
CHAIRMAN,  
SEIAA, A.P.

To

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12/7/13

Jt. Chief Environmental Engineer  
(UH-I)