



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

Adm/Sorkemid  
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REGD.POST WITH ACK.DUE

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17/10/2015

Order No. SEIAA/AP/W.G.- /2013-

Dt:09-10-2015.

Sub: SEIAA, A.P. – M/s. The Andhra Sugars Ltd., (Power Division) Coal Based Power Plant, Sy.No. 81, 82, 84, 85, 86 (Part) & 87, Saggonda (V), Gopalapuram (M), West Godavari District - Environmental Clearance - Issued - Reg.

I. This has reference to your application dt. 05.07.2013 & 21.11.2014 and subsequent letter dt. 08.09.2015 in this regard, seeking Environmental Clearance for the proposed Imported Coal based Thermal Power Plant in the name of M/s. The Andhra Sugars Ltd., at Sy.No. 81, 82, 84, 85, 86 (Part) & 87, Saggonda (V), Gopalapuram (M), West Godavari District. The nearest human habitation viz., Gopavaram (V) exist at a distance of 1.55 km from the proposed site. The total area of the site is about 40.0 Acres and green belt area is 14.0 Acres. Project cost is Rs.191.0 Crores. It is noted that the production capacity of the project, for which Environmental clearance has been considered is as follows:

**Electricity: 36 MW (1 x 36 MW)**

- II. It is noted that the project proponent propose to use 100% imported coal (654TPD) sourced from Indonesia and Australia. Total consumption of water is 660 KLD and quantity of waste water generation is 287 KLD. The proponent proposes to adopt ZLD concept and proposed use treated effluents for ash conditioning, dust suppression and greenbelt development. Total ash generation is 52 TPD. The proponent propose to provide ESP to the 160 TPH boiler to achieve SPM levels of less than 50 mg/Nm<sup>3</sup>.
- III. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on 31.07.2013 & 04.01.2015. The Committee considered the project proposal and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 13.01.2015 & 24.09.2015 examined the proposal and the recommendations of SEAC and It was decided to issue prior Environmental Clearance to the project. The SEIAA, A.P hereby accords Environmental Clearance to 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:**

**1.The Proponent**

- Shall provide air pollution control equipment to meet the SPM limit of 50.0 mg/m<sup>3</sup>.
- Shall provide online stack monitoring to monitor SPM concentration.
- Shall stored Fly ash in closed silo and to dispose for the cement plants and for brick manufacturing units.
- Shall implement the recommendations made in the EIA report.
- Shall to take into consideration the incubation period of the coal while feeding the same to the boiler.
- Shall stock coal in covered shed with proper dust control system.

**a) Air pollution:**

- Particulate emissions from the 160 TPH boiler shall not exceed 50 mg/Nm<sup>3</sup>. Stack f 75 mts and ESP
- Provision shall be made to provide Flue Gas Desulphurization (FGD) unit, if required in future.
- On line monitoring devices with continuous recording facility shall be provided to monitor the stack emissions. Energy meters shall be installed for all pollution control systems.

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- iv The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points.
- v The coal shall be transported from Coal yard to the industry's premises by covered trucks. Storage of raw material shall be in closed roof sheds. 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.
- vi In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials handlings etc. shall be provided. Further, appropriate control system such as bag filters shall be provided at all transfer points, raw material screen houses, stock house, etc., Fugitive emissions shall be regularly monitored and records maintained.
- vii 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 Chennai half yearly.

**b) Water Pollution:**

- i The total water requirement shall not exceed 660 KLD. Out of that, quantity of water used for: Cooling tower makeup is 232 KLD; boiler make-up is 244 KLD; R.O. rejects is 104 KLD; Clarifier blow down is 60 KLD and domestic purpose is 20.0 KLD.
- ii The total waste water generated is 287 KLD. Out of that, quantity of waste water generated from: Cooling tower blow down is 46 KLD; Boiler blow down is 61 KLD; R.O. rejects is 104 KLD; Clarifier blow down is 60 KLD and Sanitary waste is 16 KLD.
- iii No effluent shall be discharged outside the factory premises and concept of 'zero' discharge shall be adopted. . The treated waste water is to be used for ash conditioning, dust suppression and greenbelt development.. The treated waste water generated from the domestic section is to be used for development of greenbelt. The treated waste water from all sections shall conform to on land for irrigation standards prescribed by the MoE&F, GOI.
- iv The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.
- v Green belt of width 15m around the plant, in an area of atleast Ac 14.0, shall be developed along the boundary as per the CPCB guidelines in consultation with the local DFO. The density of the trees should be around 600 plants per Ac.

**c) Solid Waste :**

- i. The Ash generated (52TPD) from the plant is to be disposed for manufacture of cement/brick manufacturers / construction of roads, flyover embankments/reclamation of low-laying areas etc., 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. An action plan to that effect shall be submitted to the CPCB, APPCB, Regional office of MoEF& CC, GOI, Chennai with in 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 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. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P.
- iv. 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 on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- v. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> 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.
- vi. Data on ambient air quality (RPM, SPM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- vii. 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.
- viii. 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.
- ix. 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.
- x. The funds earmarked for environmental protection measures (Rs. 12.25 crores) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Chennai .
- xi. The Regional Office of MOE&F located at Chennai 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.
- xii. A copy of clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- xiii. State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center and Collector's Office /Tehsildar's Office for 30 days.
- 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.
- xv. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

- xvi. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.
- xvii. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
- xviii. The proponent shall undertake eco-development measures including community welfare measures in the project area.
- xix. The proponent shall obtain all other mandatory clearances from respective departments.
- xx. 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.
- xxi. 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.
- xxii. 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

Sri P. Narendranath Chowdary, M.D,  
M/s. The Andhra Sugars Ltd.,  
Kovvur-534350.  
Ph: 08813-231597/231598.

//T.C.F.B.O//

*P. Murali Rao*  
SENIOR ENVIRONMENTAL ENGINEER (EC)  
UH-III

Copy given to  
2 copies to CCE on 28/01/2016  
1 copy to Lab. Incharge, SAG.

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