

Thiru.T.S.Srinivasamurthy, I.F.S.,
DIRECTOR OF ENVIRONMENT AND
MEMBER SECRETARY



**STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,**
4D, Panagal Building,
1 Jennis Road, Saidapet,
Chennai-15.

Lr.No.SEIAA/TN/EC/1(d)/ 009 /F- 186/2009 Dated: 26.10.2009

To
The Authorized Signatory,
M/s.Dhanalakshmi Srinivasan Sugars Pvt.Ltd
(Co-Generation Unit),
Thuraiyur Road, Perambalur,
Trichy District-621 212.

Sir,

Sub: SEIAA, Tamilnadu - M/s. Dhanalakshmi Srinivasan Sugars Private Limited (Co-generation Power Plant), S.No.- 393/2B, 451/1, 451/3, 451/4, 453/1, 453/2, 454/1A, 454/2, Udumbian Village, Veppanthattai Taluk, Perambalur District - Environmental Clearance - Regarding.

This has reference to your application No. Nil dated 15.12.2007 submitted to the MoEF, Delhi seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006. Subsequently the application was received by the SEIAA, Tamil Nadu from Govt. of India on 17.11.2008. The proposal has been appraised by the State Level Expert Appraisal Committee in its meeting held on 21st and 22nd May 2009 as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application Viz., the Application Form- I, EMP & EIA report based on the TORs prescribed by the MoEF, Delhi and other details furnished by the project proponent.

It is noted, interalia that the project proposal involves construction of Co-generation power plant of 23 MW using 110 TPH Boiler at Udumbian Village, Veppanthattai Taluk, Perambalur District. No ecologically sensitive area exists within 10 Km periphery of the project site. The project does not involve any Rehabilitation & Resettlement.

It is proposed to utilize 29,400 T of Bagasse per month (during season-270 days) and 25,550 T of Biomass per month (during off season-60 days) as raw material. The water requirement will be 725 KLD which will be met from Swetha Nadhi vide G.O.Ms.No. 87, dt.29.5.09, PWD. Trade effluent of 292.80 KLD will be generated from Boiler blow-down, R.O plant rejection and cooling tower bleed off and 4 KLD of sewage will be generated during operation. Sewage will be treated in

Septic Tank and disposed through dispersion trench arrangement. 208.8 KLD of RO Plant rejection will be used for green belt and cane field development after treatment with sugar mill effluent and 84.8 KLD of cooling tower bleed off and boiler blow down will be used for green belt development. Electrostatic Precipitator with stack of height 65 m will be provided to control the particulate matter emission from the boiler. The solid waste generation - ash has been projected as 450 T/month during season (bagasse ash) / 380 T/M during off season (biomass ash). The ash from the process will be used as manure in sugarcane fields. It is proposed to install backup DG Sets of 2 Nos. 1000 KVA capacity. The cost of the project is Rs.11, 993.75 Lakhs.

The project activity is listed at 1 (d) and falls under B1 Category included in the Schedule of EIA Notification, 2006. Public Hearing was conducted on 7.8.2008 at District Collector's office, Perambalur as required for the project.

Based on the information submitted by you, the SEAC after due consideration of the relevant documents and additional particulars submitted by the Project Proponent, has recommended the proposal to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project. The proposal was considered by SEIAA, Tamil Nadu in its meeting held on 09.10.2009 and the public consultation also carried out as required for the project, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 based on the recommendations of the SEAC, subject to the strict compliance of the following terms and conditions:

PART A- SPECIFIC CONDITIONS ENVIRONMENT MANAGEMENT MEASURES

- i) "Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.
- ii) Sewage shall be treated in Septic Tank and disposed through Dispersion trench.
- iii) RO reject shall be treated in the Effluent treatment plant of the sugar mill before using for green belt/cane field development as committed.
- iv) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored.
- v) Suitable Air Pollution Control System (ESP) and stacks of appropriate height as per the CPCB guidelines shall be provided to control emissions

from various sources and shall ensure emissions levels below the standards prescribed by the Tamil Nadu Pollution Control Board. Separate energy meters should be provided to the Air Pollution Control System and a separate log book maintained for the daily meter readings and monthly report submitted to Tamil Nadu Pollution Control Board.

- vi) All the conditions stipulated by Tamil Nadu Pollution Control Board in their consent for establishment shall be strictly implemented.
- vii) Water requirement of 725 KLD should be met from the River Swetha vide G.O.Ms.No.87, dt.29.5.09, PWD.
- viii) Noise level shall be limited to 55 dBA. For people working in high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- ix) The stack emissions from all the sources shall not exceed 50 mg/Nm³. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- x) The gaseous emissions (SO₂, NO_x) and particulate matter from Boilers, DG sets and other processes shall conform to the standards prescribed by the concerned authorities from time to time.
- xi) Regular monitoring of the air and water quality should be carried out in and around the power plant and records must be maintained. Six monthly reports shall be submitted to the Tamil Nadu Pollution Control Board and MOEF Regional Office, Bangalore.
- xii) A separate environment and safety management cell with qualified staff shall be set up before commission of construction activities and shall be maintained through out the lifetime of the industry, for implementation of the stipulated environmental safeguards.
- xiii) The unit shall provide on line continuous stack monitoring for SO_x, NO_x, CO, SPM for the proposed 110 TPH boiler.
- xiv) The unit shall provide adequate control measures for the CO emission during start up and shut down operations of the boiler.
- xv) The Ash, solid waste from the process and from the Air Pollution Control Equipments shall be used as manure in sugarcane fields as committed.
- xvi) The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the EIA report furnished by them.

- xvii) The Environmental Clearance is hereby accorded only for the power generation of 23 MW.
- xviii) It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance.
- xix) The proponent should make separate allocation of funds for the installation and maintenance of proper Pollution Control Measures and the Environmental Measures and earmark separate staff for operation and maintenance of the control system.

B. GENERAL CONDITIONS:

- i) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from other statutory and administrative authorities.
- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted for clearance, a fresh reference shall be made to the SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act, 1948.
- iv) Proper House keeping programmes shall be taken up.
- v) Usage of Personal Protective Equipments (PPEs) by all employees/workers shall be ensured.
- vi) The project proponent shall harvest surface as well as rainwater from the roof tops of the buildings proposed and storm water drains to recharge the ground water.
- vii) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EMP report.
- viii) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- ix) The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that
 - i) The project has been accorded Environmental Clearance.

- ii) Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.
- iii) Environmental Clearance may also be seen on the website of the SEIAA.

The advertisement should be issued within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.

- x) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xi) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- xii) The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- xiii) This Environmental Clearance is valid for five years from the date of issue.
- xiv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, Bengaluru, the Zonal Office of CPCB, Bengaluru and the TNPCB. This shall also be put on the website of the Company by the proponent.
- xv) The Environmental Statement for each financial year ending 31st March in Form-V as is mandated has to be submitted by the project proponent to the Tamil Nadu Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF, Bengaluru by e-mail.
- xvi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- xvii) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Veppanthattai Panchayat Union and the Local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

**Member Secretary,
State Level Environment Impact
Assessment Authority,
Tamil Nadu.**

Copy to: -

1. The Principal Secretary to Government, Environment & Forests Dept,
Govt.of Tamil Nadu, Fort St.George, Chennai-9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,
76 Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ),
Kendriya Sadan, IV floor, E&F wings, 17th Main Road,
Koramangala II Block, Bangalore - 560034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The Chief Engineer, WRO, PWD, Trichy Region, Trichy - 20.
7. The Commissioner, Veppanthattai Panchayat Union, Perambalur District.
8. Stock File.