



State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Government of India

Ministry of Environment & Forests

A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.

Order No. SEIAA/AP/NLG-16/2008- 3190

Dt: 05.03.2011

*Recd/11
for us 11
4/13*
Sub: SEIAA, A.P. - M/s. Theja Energy Ltd. Mellacheruvu (V), Nalgonda District - Change of name of the proponent in favour of M/s. MY HOME Industries Ltd., - Amendment to Environmental Clearance - Issued - Reg.

Ref: 1. T.O.Order No. SEIAA/AP/NLG-16/2008-1296, 19.08.2009.
2. Your lr.dt. 02.09.2010.

In the reference 1st cited, EC order was issued to M/s. Theja Energy Ltd., Mellacheruvu (V), Nalgonda District for generation of electricity-60 MW in an area Ac.103. Human habitation viz., Mellacheruvu exists at a distance of about 1.40km from the site. Public hearing was held on 29.05.2009.

The project proponent vide reference 2nd cited requested for the following amendments to the EC order issued vide reference 1st cited:

1. To transfer the EC in the name of M/s. My Home Industries ltd., enclosing a copy of the Hon'ble High Court Order dt.30.04.2010 allowing the sanction of amalgamation of above two industries.
2. To change the location of the thermal power project from Sy.No. 1057 & 1171/P (extended boundary of M/s. MY HOME Industries Ltd., to Sy. No: 1069, 1070, 1072 with in the premises of MHIL (existing cement plant), at a distance of about 1km from the earlier site for which EC order dt. 19.08.2009 was accorded by the SEIAA.
3. The following advantages were noted with respect to change in the location of the project:
 - > The distance between the human habitation becomes more than the earlier location.
 - > There is no change in fuel configuration, capacity of the plant, water balance and other parameters.
 - > The ash generated from the power plant will be utilized for cement manufacturing with in the same premises of MHIL (cement plant). This eliminates fugitive dust emission.

The proposal was examined in the meeting of the State Expert Appraisal Committee (SEAC) held on 05.01.2011. It was noted that earlier, the project proponent had submitted BIA taking into consideration the cumulative impacts of the existing cement plant and proposed thermal power plant. Based on that the SEAC had recommended for issue of prior EC. The SEIAA issued EC order dt. 19.08.2009 in the name of M/s. Theja Energy Ltd., for generation of electricity - 60 MW. Since, the proposed project site is being shifted nearer to the existing cement plant, the dust generated due to transportation of fly ash will be reduced. Further, fuel configuration capacity of the plant, water balance and other parameters remain as earlier. As the project site is being shifted by only 1 km from the earlier site, the change in impacts is marginal. Hence, the BIA report submitted earlier holds good. Hence, the amendments regarding the change in the name, locations etc., as requested by the project proponent were recommended.

The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 27.01.2011 examined the proposal and the recommendations of SEAC. The SEIAA approved for issue of the amendments to the EC order issued vide reference 1st cited. The amendments are read as following:

- a. The EC order issued in the name of M/s. Theja Energy Ltd., is transferred in the name of M/s. My Home Industries Ltd.,

b. The location of the industry is shifted to Sy.No: 1069, 1070, 1072 within the existing premises of M/s. MHIL (existing cement plant)

c. All other conditions stipulated in the reference 1st cited remain the same.

Sd/-
MEMBER SECRETARY
SEIAA, A.P.

Sd/-
MEMBER
SEIAA, A.P.

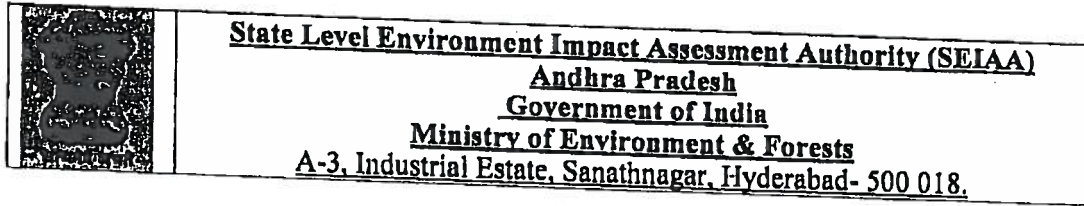
Sd/-
CHAIRMAN,
SEIAA, A.P.

To

Sri V.S. Narang, Director (Tech),
M/s My Home Industries Limited,
9th Floor, 3rd Block,
My Home Hub, Opp. to NIFT,
Madhapur, Hyderabad

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

^{R/S} JOINT CHIEF ENVIRONMENTAL ENGINEER (CPE)



REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/NLG -16 /2008-

1296

Dt:19-08-2009.

Sub: SEIAA, A.P. - M/s. Theja Energy Limited, Mellacheruvu (V & M), Nalgonda District - Coal based power plant - Environmental Clearance - Issued - Reg.

- I. This has reference to your letter No. Ir.No. TEL/SEIAA/001/2008-09, Dt. 12.12.2008 and subsequent Ir.dt. 09.06.2009, 26.06.2009 seeking Environmental Clearance for the proposed Coal based Thermal Power Plant in the name of M/s. Theja Energy Limited, Mellacheruvu (V & M), Nalgonda District. The proposal has been examined and processed in accordance with EIA Notification, 2006. There are no Archaeologically & Historically important sites within the study area of 10 km around the proposed site. The nearest human habitation viz., Mellachervu (V) exists at a distance of 1.40 km from the existing premises. The total area of the existing site is Ac.103.0; Green belt is Ac. 40.0. The total cost of the project is 273.0 Crores. It is noted that the production capacity of the project, for which Environmental clearance has been considered are as follows:

Electricity: (1 x 60 MW)

| Fuel | Quantity (TPA) | Source | Method of Transportation |
|------|----------------|--|----------------------------------|
| Coal | 3,50,000 | i) M/s. Singareni Collieries ii) M/s. Imported Coal (partly) from Indonesia with Sulphur content 0.42%. | By Rail* / Road (Covered Trucks) |

* It is reported that a new railway line is being laid between Jaggayyapet and Vishnupuram connecting main line Hyderabad-Guntur- Vijayawada. It is expected to be completed with in 18 months. A spur line will be provided upto the site to transport the coal.

- II. In the process, Light Diesel Oil/ High Speed Diesel are used as start up fuels. Subsequently, the coal is fed into the Circulating Fluidized Bed Combustion Boilers of capacity 1 x 242 TPH. The steam generated will be routed through a steam turbine. The steam turbine generator to generate electricity. It is proposed to add Blended Coal (70 % Indigenous Coal & 30% Imported Coal) the stack emissions.
- III. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on 30.12.2008 & 27.06.2009. Public Hearing was conducted on 29.05.2009, at project site. The Committee considered the project and recommended for issue of

Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 21.07.2009 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 to the project** as mentioned at Para no. 1 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 At no time the particulate emissions from the common stack of height 100m connected to the CFBC Boiler of capacity 1 x 242 TPH, should exceed 100 mg/Nm³. ESP shall be provided to control emissions. Appropriate control systems such as bag filters shall be provided at all transfer points, Raw material screen houses, etc.,
- ii Provision shall be made to provide Flue Gas Desulphurization (FGD) unit, if required in future.
- iii On line Ambient air quality Monitoring Stations shall be installed. Energy meters shall be installed for all pollution control systems.
- iv The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points.
- v 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, product house etc., Fugitive emissions shall be regularly monitored and records maintained.
- vii Raw materials shall be transported in covered trucks. All the belt conveyors shall be covered with G.I. sheets.
- viii Ambient air quality including ambient noise levels must not exceed the standards stipulated under EPA or by the State authorities. 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.
- ix The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. Bag filters are to be provided at Raw material hoppers Raw grinding ball mill, Raw meal Storage silos. Bag filters shall be provided for raw material and cement storage silos, packing machines. The dust collected from the pollution control equipment shall be recycled back into the process.

- x Storage of raw material shall be in closed roof sheds. Water spray system shall be provided all around the coal stockpiles and dust suppression system around the coal conveyor system. All the roads in the plant area shall be asphalted / concreted and water sprayed to reduce the fugitive dust emissions.

b) Water Pollution:

- i The source of water is River Krishna, flowing at a distance of 15km from the site and existing lime stone mine pit. The total water requirement shall not exceed 5,496 Cum/day. Out of that, fresh water requirement is 5352 Cum/day and 144 cum/day is recycled water. Quantity of water used for Cooling tower makeup is 4,032 Cum/day ; Demineralised water for boiler make-up is 168 Cum/day; 1,152 Cum/day is used for DM Plant regeneration and Nano Filter back wash; 144 Cum/day is used for Service Water & Potable Water purposes.
- ii The total waste water generated is 2,228 Cum/day. Out of that, 912 Cum/day is from cooling tower blow down; 144 Cum/day from Boiler blow down; 24 Cum/day from DM regeneration; 1,128 Cum/day from Nano Filter backwash; 20 Cum/day from Sanitary waste Water.
- 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 a CMB along with cooling tower blow down and other waste water streams for dilution. 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 in the mines belongs to the proponent, ash handling plant, coal handling plant, cooling purposes; development of greenbelt, ash quenching, floor washings, development of green belt etc., and the domestic waste water of 20 KLD shall be disposed into the septic tank followed by soak pit.
- iv The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.
- v Green belt of width 20m around the plant, in an area of 40 Ac., 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 (1,08,000 TPA) from the plan is to be utilized for manufacture of cement in the plant belongs to group company M/s. My Home Industries Ltd., exists adjacent to the site as mentioned during the presentation. The bottom ash shall be used in the cement plant and rejects shall be used for filling in the mines of the group company.
- ii. Waste oils, used oils generated from the industry shall be disposed as per the Hazardous wastes (Management and Handling) rules 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 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 1st June and 1st 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, SO₂, 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.**
- vi. **Data on ambient air quality (RPM, SPM, SO₂, Nox, CO and VOC) 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.**
- 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 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.**
- xi. **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.**
- 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. 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.
- xvii. The company shall undertake eco-development measures including community welfare measures in the project area.
- xviii. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.
- xix. The proponent shall obtain all other mandatory clearances from respective departments.
- xx. 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
M/s. Theja Energy Limited,
IV Floor, My Home Jupally,
Ameerpet, Hyderabad - 500 016

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

P. R. Srinivas
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)
22/8/09