



SANJIV TYAGI
MEMBER SECRETARY
SEIAA, GUJARAT

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY**
Paryavaran Bhavan
Sector-10 A, Gandhinagar-382 010, GUJARAT
Phone : (079) 232-32152
Fax : (079) 232-22784
E-mail : seiaaguj@yahoo.com
www.seiaa.gujarat.gov.in

No. SEIAA/GUJ/EC/ 1(d)/ /2008

Date:

Time Limit

To,
M/s. Torrent Energy Ltd.,
Plot no. Z/9, Dahej SEZ,
Tal Vagra,
Dist Bharuch.

Sub: Environment Clearance for Power Plant at Plot no. Z/9, Dahej SEZ, Tal Vagra, Dist Bharuch by M/s. Torrent Energy Ltd.... in Category 1(d) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application made along with Application Form 1 and Environmental Impact Assessment Report submitted to SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for natural gas based combined cycle power plant of capacity 400 MW by M/s. Torrent Energy Ltd., Plot no. Z/9, Dahej SEZ, Tal Vagra, Dist Bharuch. Total plot area of the company is 105 hectares. This unit is located in SEZ of Dahej, Bharuch. The total cost of the project would be Rs.1400 Crore.

The project activity is covered in 1 (d) and is of 'B' Category. Since the proposed project is located in Special Economic Zone, it does not need Public Consultation as per Para 7(i) III. Stage (3) (b) – Public Consultation of EIA Notification, 2006.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The proposal was considered by SEIAA, Gujarat in its meeting held on 22.09.2008 at Gandhinagar. Since the EIA/ EMP Report was found to be adequate and complete and the public consultation is not required for the project, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following Specific and General conditions.:

A. SPECIFIC CONDITIONS:

1. Hydrocarbon leak detection system, automatic shut down valve, critical switches and alarm, regular pipeline inspection and fire fighting facilities will be installed to enhance the safe handling of natural gas.
2. The Natural Gas facility will be equipped with an extensive array of gas detection and flame detection equipment.
3. Methane gas detectors will be placed in any area where Natural Gas is being handled.

4. Risk mitigation measures including hydrogen flame detectors, adequate local ventilation in the hydrogen storage area, safe handling and operating procedures and adequate fire fighting facilities shall be provided to attend any emergency due to accidental release of hydrogen.

A.1 WATER:

5. No ground water shall be used for the project. Water supply for the project shall be sourced from Dahej SEZ Ltd.
6. The treated wastewater shall be utilized for green belt within the premises to the maximum extent possible and the balance quantity shall be discharged into the Dahej SEZ underground drainage pipeline.

A.2 AIR:

7. Natural Gas shall be used as fuel in the power plant.
8. Adequate stack height as per the GPCB norms shall be provided.
9. Gaseous emission at workplaces shall be controlled and kept below the limits prescribed by the Factories Act and Rules. Their records shall be maintained.
10. The gaseous emissions and particulate matter from various process units shall conform to the standards prescribed by GPCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the prescribed standards.

A.3 SOLID WASTE:

11. The exhausted resin shall be disposed off in to nearest TSDF after necessary permission from the GPCB.
12. Used oil / waste oil shall be sent only to the authorized / registered recycler as per the permission of the GPCB and shall comply to the provisions of the Hazardous Waste (M&H) Rules, 1989, as amended from time to time.
13. The company must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules 2003. Authorization from the GPCB must be obtained for collection / treatment /storage /disposal of hazardous wastes.

A.4 SAFETY:

14. Adequate fire fighting facilities will be provided at the proposed power plant.
15. Flameproof fittings shall be provided in the manufacturing plant.
16. Proper ventilation shall be provided in the work area.
17. Storage and use of toxic chemicals shall be minimized to the extent possible.
18. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic waste and storm water drain.
19. Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.
20. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity at all the times.
21. Training shall be given to all workers on safety and health aspects of handling chemicals.

22. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act and Rules. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.

A.5 NOISE:

23. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

A.6 GREEN BELT AND OTHER PLANTATION:

24. The project proponent will carryout tree plantation of 10,000 trees in the surrounding areas in consultation with nearby school, Gram panchayat, etc. as Corporate Social Responsibility, and shall ensure their survival over a period of five years.

B. GENERAL CONDITIONS:

25. The applicant shall provide flame detectors, and adequate local ventilation in the hydrogen storage area for emergency and safety measures.
26. The company shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to GPCB within three months of receipt of the EC.
27. The project management shall also comply with all the environment protection measures and risk mitigation measures/safeguards proposed by them.
28. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be undertaken and the same water shall be used for the various activities of the projects to conserve fresh waster.
29. 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.
30. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
31. The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
32. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
33. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well

as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

34. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
35. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
36. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
37. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
38. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
39. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. 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 and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
40. This Environmental Clearance is valid for five years from the date of issue.

With regards,
Yours sincerely,

(SANJIV TYAGI)
Member Secretary,
State Level Environment Impact Assessment Authority
Gujarat

Copy to:-

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
2. The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382 010.
6. Select File.