



(By R. P. A. D.)

Ref. No. ENV-10.2004-120-P

**GOVERNMENT OF GUJARAT**  
Forests & Environment Department  
Block No. 14/8, Sachivalaya  
Gandhinagar-382 010  
Gujarat, INDIA

J.K. VYAS  
Director (Environment)



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Date: June 03, 2005

To,  
Shri P. R. Mehta,  
Chief General Manager (Projects),  
Gujarat State Electricity Corporation Ltd.,  
Vidyut Bhavan, Race Course,  
Vadodara - 390 007.

**Sub:** 300 ± 10 % MW Natural Gas (NG) / Re-gasified Liquefied Natural Gas (RLNG) based Combined Cycle Power Plant (CCPP) - Unit-2 at Vill. Utran, Ta Choryasi, Dist. Surat of M/s Gujarat State Electricity Corporation Ltd. / Environmental clearance req.

Sir,

This has reference to your communications dated 28-9-2004, 21-12-2004, 5-2-2004 and 7-3-2005 seeking environmental clearance under the EIA notification 1994 and its amendments issued from time to time for your proposed 300 ± 10 % MW Natural Gas (NG) / Re-gasified Liquefied Natural Gas (RLNG) based Combined Cycle Power Plant (CCPP) - Unit-2 at Utran, Dist. Surat.

2. The Department has examined your application along with EIA/EMP and other documents/ reports pertaining to the proposed project as mentioned above. The project would be set up on area of 7.6 hectores earmarked for the project within the existing premises of Utran Gas Based Power Station at Vill. Utran, Ta Choryasi, Dist. Surat. Any additional land would not be required for the project. The project does not involve forest land and displacement of people. Capital cost of the project shall be Rs. 1100.00 Crores, which includes Rs. 74.43 Crores for environmental protection measures.

3. Based on information submitted by the project proponent from time to time and consideration by the State Level Expert Committee for environmental clearances to thermal power projects, The Government of Gujarat in Forests & Environment Department, hereby accords environmental clearance to the above project, under the provisions of the EIA Notification dated 27th January, 1994 as amended from time to time, subject to strict compliance of the following terms and conditions:

**A. SPECIFIC CONDITIONS**

- (i) All the conditions stipulated by the Gujarat Pollution Control Board (GPCB) in its No objection Certificate (NOC) dated 10-11-2004 issued for the project shall be strictly implemented.
- (ii) Treated industrial effluent from the Effluent Treatment Plant shall be used for Greenbelt development, floor washings and the excess shall be sent to the River

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- Tapi through existing station drain for the disposal as per the conditions laid down by the GPCB in the NOC dated 10-11-2004.
- (iii) The gaseous emissions ( $SO_2$ ,  $NO_x$  & CO) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time.
  - (iv) Ambient Air Quality Monitoring Stations shall be set up in the downwind direction as well as where maximum ground level concentration of gaseous pollutants are anticipated in consultation with the Gujarat Pollution Control Board.
  - (v) The Hazardous Wastes shall be transferred / disposed off only in a manner as authorized by the GPCB. The project proponent shall obtain authorization from the GPCB under the Hazardous Wastes (Management & Handling) Rules, 2000.
  - (vi) Adequate precautions shall be taken to ensure that the overall noise level in and around the plant area shall be kept well within the prescribed standards, by providing adequate noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
  - (vii) Workers working in the high noise area will be provided with ear protection devices and their use by the workers shall be ensured. Noise barriers at appropriate places shall be constructed.
  - (viii) Green belt of adequate width and density with suitably selected indigenous species shall be developed around the periphery of the project area to mitigate the effects of fugitive emission all around the project area. Development of the Green Belt shall be as per the guidelines published by the Central Pollution Control Board.
  - (ix) Massive afforestation programme shall be taken up in the neighborhood of the project over a period of time.
  - (x) Comprehensive EIA Report shall be prepared and submitted within one year to the GPCB as well as to this Department. All the suggestions / recommendations for the purpose of environmental protection to be mentioned in the comprehensive EIA shall have to be implemented.
  - (xi) A separate Environment Cell with suitably qualified persons shall be set up for implementation of the stipulated environmental safeguards.
  - (xii) All the commitments with respect to various suggestions / recommendations made during the Environmental Public Hearing especially with those related to socio-economic upliftment activities must be complied with.
  - (xiii) Necessary amenities including sanitation and fuel shall be provided to the labours during construction period.
  - (xiv) The unit shall obtain the ISO-14001 certificate at the earliest, preferably within the next two years.
  - (xv) Local population shall have to be given priority for employment as per the prevailing State Government Rules.
  - (xvi) The Unit shall prepare On-site & Off-site emergency plans / Disaster Management Plan, as per the extant rules in this regard.
  - (xvii) The project proponent shall inform the public that the project has been accorded environmental clearance by the State Government in Forests & Environment Department and copies of letter are available with the Gujarat Pollution Control Board and may also be seen at website of the Department at <http://gujenvfor.gswan.gov.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers, one Gujarati and one English, that are widely circulated in the region and a copy of the same shall be forwarded to this Department as well as to the GPCB.

## B. GENERAL CONDITIONS

- (i) The project authorities shall strictly adhere to the stipulations made by the GPCB from time to time.
- (ii) At no time, the discharge / emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system/s adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the specified standards.
- (iii) Regular Monitoring of the waste water, stack emission, ambient air, noise, and hazardous wastes shall be carried out. Periodical monitoring of ground water (around the project site) and estuary (around disposal point) shall also be carried out. The sampling points, parameters and frequency of sampling shall be decided in consultation with the GPCB. The reports of the monitoring as above shall be submitted to the GPCB.
- (iv) You shall provide financial support for strengthening of the Green Corps Scheme being implemented in Gujarat State by the GEER Foundation in consultation with this Department.
- (v) The unit shall develop rainwater harvesting structures to harvest the run-off water for recharge of ground water, in consultation with the experts. The rain water harvested shall be monitored and report thereof shall be submitted to this Department.
- (vi) The project proponent shall comply with all the environmental protection measures, safeguards and suggestions as recommended in the EIA, EMP and Risk Assessment reports as well as those given by the Forests & Environment Department, Government of Gujarat from time to time.
- (vii) The project proponent shall constitute a monitoring Committee for reviewing the compliance to various environmental safeguards measures by involving GPCB, Institutions, Experts in the field, Forests & Environment Department, etc.
- (viii) The project authorities shall provide for adequate separate funds, both recurring and non-recurring, along with item wise breakup, to implement the conditions stipulated by the Forests and Environment Department as well as the GPCB. The funds so provided shall not be diverted for any other purpose.
- (ix) The project authorities shall take up socio-economic activities in the region in consultation with the District Collector / District Development Officer. A separate fund in this regard shall be earmarked every year.
- (x) The implementation of the project vis-à-vis environmental action plans shall be monitored by the GPCB regularly.
- (xi) Necessary permissions shall be taken from all the concerned authorities.
- (xii) Programmes for the improvement of skills of the villagers of the neighboring villages shall be taken up.
- (xiii) A half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Department.
- (xiv) The project authorities shall contribute financially for any common study or facility for the purpose of environmental protection and improvement that may be proposed by this Department for this region.
- (xv) The project authorities shall bear the cost of the supervision / monitoring by the external agency that may be appointed by this Department to oversee / monitor the activities during construction / operation phases.
- (xvi) Any other conditions that may be stipulated from time to time by the F. & E. Dept.

4. The Department reserves the right to revoke the clearance, if any of the conditions stipulated herein above is not implemented to the satisfaction of the Department.
5. This clearance is valid for a period of five years from the date of issue of this letter for construction/operation of the power plant.
7. The Department reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will have to implement these conditions.
8. No further expansion or modification in the CCPP shall be carried out without prior approval of the F. & E. Dept. In case of deviations or alterations in the project proposal from those submitted to this Department for clearance, a fresh reference shall be made to the Department to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others 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 rules there under, The Hazardous Wastes (management and Handling) Rules, 1989 and its amendments, and the Public Liability Insurance Act, 1991 and its amendments, the Environment Impact Assessment Notification of January, 1994 and its amendments.



(J. K. Vyas)

Copy to:

- (i) The Secretary, Ministry of Forests & Environment, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.--110 003 ..... for kind information.
- (ii) The Principal Secretary, Energy and Petrochemicals Department Block No. -5/5, Sachivalaya, Gandhinagar ..... for kind information.
- (iii) The Chairman, Gujarat Pollution Control Board, Sector -10-A, Gandhinagar, ..... with a request to have displayed a copy of the clearance letter at the concerned Regional Office of the GPCB, District Industries Centre and Collector's office for 30 days. It is also requested to have monitored the conditions stipulated in this clearance letter on a regular basis and submit a report thereof to this Department.
- (iv) The Chairman, Gujarat Electricity Board, Sardar Patel Vidhyut Bhavan, Race Course, Vadodara--390 007 ..... for kind information.
- (v) The Regional Officer, Gujarat Pollution Control Board, Belgium Square, Surat, ..... for necessary action and with a request to monitor the compliance of the conditions stipulated in this clearance letter.
- (vi) Select File