

**Status of Compliance of the stipulated conditions of the Environment Clearance
No. J 13012/36/2011-IA.II (T) Dt. October 21, 2011
Period from June, 2011 to Nov., 2011**

A. Specific Conditions

Condition No.	Description of Condition	Status of compliance
i)	In Case fuel for running the power plant is proposed to be changed from natural gas to other fuel (liquid or solid) the project proponent shall apply for such a change in environmental clearance along with necessary documents as required under EIA notification, 2006 (and its amendments). In such a case the necessity for holding public hearing again or otherwise will be determined by the ministry in consultation with the Expert Appraisal committee (Thermal Power).	Natural Gas/ RNLG shall be used as fuel for the power plant. (No change in fuel is envisaged)
ii)	Vision documents specifying prospective plan for the site shall be formulated and submitted to the Ministry within Six Month.	Included in EIA report as Annexure 1
iii)	Conservation and regeneration of mangroves in the area within 5.0 kms shall be initiated and implementation initiated during commencement of the proposed and completed before operation of the expansion project. The project proponent shall accordingly first prepare a common plan along with and in consultation and co-operation of other industries (including power producer) in the study area. The District Administration shall be accordingly approached for its effective implementation. The plan shall also include sustainable live hood options and social measures for fishermen community in the region.	Shall be taken up
iv)	A long study through a reputed institution assess the cumulative impact of the power plant on the AAQ of the area shall be undertaken. The study shall in particular assess the impact of gas emission on the chemistry of atmosphere and the impact on radiation budget. It shall be ensured that the study takes into account the worst seasonal atmospheric conditions.	Further long term study as desired parameters shall be undertaken.
v)	Mass Spectrometer based Helium detector to detect the gas leakage shall be installed.	Shall be installed before plant operation.
vi)	Scheme for harnessing solar power within the premises for the plant (Particularly at available roof tops) shall be critically examined and status of implementation shall be submitted.	Solar water heaters are installed in project office and canteen. Further, Administrative and canteen building that are under construction also would have provision for harnessing solar power
vii)	Concentration for photochemical oxidants shall be monitored along with NOx and permanent monitoring station shall be installed at appropriate location in consultation with the central / State pollution Control board.	Shall be complied
viii)	COC of 5.0 shall be adopted.	COC of 5.0 has been considered for the CCPP.
ix)	No ground water shall be extracted for the project work at any stage	No ground water is used for construction activities. Water is being supplied by Dahej SEZ

		Limited (DSL) through pipeline.
x)	It shall be ensured that the area drainage is not disturbed due to the proposed expansion.	Not applicable because the treated waste water shall be disposed into common effluent discharge system of GIDC.
xi)	Hydro-geological study of the area shall be reviewed annually to assess the sustainability of the source of water particularly in lean season. The review report duly vetted by the concerned Dept. in the state government shall be submitted to the ministry. In case adverse impact on ground and surface water is observed, immediate mitigating steps to contain the same shall be undertaken.	The project will not extract any ground water. River Narmada water will be supplied by DSL for the project.
xii)	The treated effluent conforming to the prescribed standard only shall be reused to the extent possible and excess discharged. Arrangements shall be made that effluent and storm water do not get mixed.	Part of treated effluent shall be used for watering greenbelt/ plantation. Excess treated effluent conforming PCB norms shall be discharged to the common effluent system of GIDC.
xiii)	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation. Continuous monitoring of effluent discharge shall be undertaken and it shall be ensured that when discharge enters the natural drain the temperature of effluent shall be at ambient.	Sewage Treatment Plant shall be installed. Treated water shall be used in greenbelt. Monitoring equipment shall be installed in guard pond.
xiv)	Monitoring of ground and surface water quality (if any nearby) shall be regularly conducted and records maintained. The monitored data shall be submitted to the ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Monitoring of quality of ground water is undertaken and records are maintained. Reports are being filed.
xv)	A well designed rainwater harvesting shall be put in place. Central groundwater authority/ board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date issue of clearance and details shall be furnished. Status of implementation shall be submitted to the regional office of the ministry.	Study on Rainwater harvesting scheme was done in and around DGEN site. The report has been submitted to CGWB for their evaluation and approval.
xvi)	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the ministry as well as to the regional office of the ministry.	Natural Gas/ RNLG will be received through pipeline and adequate protective/ risk preventive measures

		shall be put in place.
xvii)	Noise levels emanating from turbines shall be controlled such that the noise in the work zone shall be limited to 75 dBA at 1m from the source of noise. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.	Noise levels shall be maintained as prescribed. Protective PPEs shall be provided to personnel working in noisy area
xviii)	NO _x emission from each gas turbine shall not exceed 50 ppm	Shall be complied.
xix)	Stacks of 70 m shall be provided with continuous online monitoring equipments. Exit velocity of flue gases shall not be less than 22 m/sec.	Stack shall be of 70 m height. Online NO _x monitoring instrument shall be provided on the stack. Exit velocity condition shall be complied.
xx)	Regular monitoring of ground level concentration of NO _x shall be carried out in the impact zone and records maintained. If at any stage the levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB Periodic reports shall be submitted to the regional office of this ministry. The data shall also be put on the website of the company.	Monitoring of Ambient Air Quality and Water Level are being carried out regularly and records are maintained.
xxi)	Local employable youth shall be trained in skill relevant to the project for eventual employment in the project itself. The action taken report and details therefore to this effect shall be submitted to the regional office of the Ministry and the state govt. Dept, concerned form time to time.	TEL has already identified employable young people from the surrounding villages. They are imparted training in collaboration with ITI and other technical institutes of the region. Later these young people will be employed in the project.
xxii)	An amount of RS 13.60 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs 2.70 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted to the regional office of the Ministry along with road map for implantation.	Under implementation.
xxiii)	CSR scheme shall be identified based on need based assessment in and around villages within 5 km of the site and in constant consultation with the village Panchayat and the district Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Income generating projects consistent with the traditional skills of the	Need based assessment has been done. Vocational training is being undertaken.

	people shall be undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and job shall be imparted to identify villagers free of cost.	
xxiv)	It shall be ensured that in – built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	Shall be complied
xxv)	Green belt consisting of 3 tiers of plantations around the plant with adequate tree density not less than 2500 per ha with survival rate not less than 80% shall be developed. The green belt developed shall not be less than 33 % of total area.	Greenbelt development is underway. More than 92,000 plants have been planted, till date.
xxvi)	The project proponent shall formulate a well laid corporate environment policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with conditions stipulated in this clearance latter and other applicable environmental laws and regulation.	Environmental cell is established and is functional.
B. General Conditions:		
i)	Storage facilities for auxiliary liquid fuel such as LDO and/HFO/LSHS (if any) shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel with not exceeds 0.5%. Disaster Management plane shall be prepared to meet any eventually in case of an accident taking place due to storage of oil.	Shall be complied
ii)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid facilities including Ambulance are provided at site. Rest facilities and toilets are made available at site for workers and drivers
iii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project	Labour colony with appropriate facilities is provided for the construction labourers at nearby area since DSL doesn't permit such facilities within the site.
iv)	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, information that the project has been accorded environmental clearance and copies of clearance letter are available with the state	Information regarding EC was published in local newspapers on 26 th October, 2011 (Gujarat Samachar, Divya Bhasker, Sandesh) as

	Pollution Control Board/Committee and may also seen at website of the Ministry of Environment and Forests at http://envfor.nic.in .	stipulated
v)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO if any, from whom suggestion/representation, if any, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Copies of EC was distributed to all authorities as stipulated
vi)	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the cell shall directly report to the head of the organization.	Environmental cell is established and is functional.
vii)	The proponent shall upload the status of compliance of the stipulated environmental clearance 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, the respective zonal office of CPCB and the SPCB	Has already been uploaded on the website of www.torrentpower.com
viii)	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 by e-mail) to the respective regional office of MOEF, the respective zonal office of CPCB and the SPCB.	Being submitted to MoEF Regional Office, Bhopal and copy to GPCB, Gandhinagar and CPCB Vadodara office.
ix)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the ministry of environment and forests, its regional office, central pollution control board and state pollution control board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the regional office, ministry of environment and forests.	Complied.
x)	Regional office of the ministry of environment & forests will monitor the implementation of the stipulated conditions. A complete set of document including environmental impact assessment report and environment management plan along with the additional information submitted from time to time shall be forwarded to the regional office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly bases. Criteria pollutants levels including NO _x (from stack & ambient air) shall be displayed at the main gate of the power plant and in public domain.	Complied. Critical pollutants levels including NO _x (from stack & ambient air) shall be displayed at the main gate of the power plant and in public domain at operation

		stage.
xi)	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the ministry.	Separate fund has been earmarked to utilize for the designated purpose
xii)	The project authorities shall inform the regional office as well as the ministry regarding the date of financial closure and final approval of the project by the concerned authorities and dates of start of land development work and commissioning of plant.	Financial closure: 21 st May, 2011 Land development: January, 2011 EC and Consent to Establish (CTE) are in place.
xiii)	Full cooperation shall be extended to the scientists / officers from the Ministry / Regional office of the ministry at Bangalore / CPCB / SPCB who would be monitoring the compliance of environmental status.	Shall be done.

**Status of Compliance of the stipulated conditions of the Environment Clearance
No. J 13012/105/2009-IA.II (T) Dt. October 12, 2010
Period from June, 2011 to Nov., 2011**

A. Specific Conditions

Condition No.	Description of Condition	Status of compliance
i)	In Case fuel for running the power plant is proposed to be changed from natural gas to other fuel (liquid or solid) the project proponent shall apply for such a change in environmental clearance along with necessary documents as required under EIA notification, 2006 (and its amendments). In such a case the necessity for holding public hearing again or otherwise will be determined by the ministry in consultation with the Appraisal committee (thermal power).	Natural Gas/ RNLG shall be used as fuel for the power plant. (No change in fuel is envisaged)
ii)	Land Requirement for the two units viz. 2x400 MW CCPP shall be restricted to 85 Ha shall be kept for future provision	Complied. The area earmarked for the future provision is proposed to be used for the 2x400 MW Expansion Project.
iii)	NO _x emission from each gas turbine shall not exceed 50 ppm	NO _x emission from each Gas Turbine shall be within 50 ppm.
iv)	Stacks of 70 m shall be provided with continuous online monitoring equipments. Exit velocity of flue gases shall not be less than 25 m/sec.	Stack shall be of 70 m height. Online NO _x monitoring instrument shall be provided on the stack. Exit velocity shall be kept at least 25 m/s.
v)	COC 5.0 shall be adopted.	COC of 5.0 has been considered for the CCPP.
vi)	No ground water shall be extracted for the project work at any stage.	No ground water is used for construction activities. Water is being supplied by Dahej SEZ Limited (DSL) through pipeline.
vii)	Minimum required environmental flow suggested by the competent authority of the state Govt. (if any) shall be maintained in the channel/ rivers (as applicable) even in lean season.	Not applicable because the treated waste water shall be disposed into common Effluent discharge system of GIDC.

viii)	Green belt consisting of 3 tiers of plantations around the plant of 100 m width and adequate tree density not less than 2500 per ha with survival rate not less than 75% shall be developed. In areas where 100 m width is not possible, green belt of not less than 50 m width shall be raised with adequate justification submitted to the regional office of the ministry.	More than 92,000 plants have been planted, till date.
ix)	The treated effluents conforming to the prescribed standard only shall be reused to the extent possible and excess discharged. Arrangements shall be made that effluents and storm water do not get mixed.	Part of treated effluent shall be used for watering greenbelt/ plantation. Excess water conforming to PCB norms shall be discharged to the common effluent system of GIDC.
x)	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation. Continuous monitoring of effluent discharge shall be undertaken and it shall be ensured that when discharge enters the natural drain the temperature of effluent shall be at ambient.	Sewage Treatment Plant shall be installed. Treated water shall be used in greenbelt. Monitoring equipment shall be installed in guard pond.
xi)	Monitoring of ground and surface water quality (if any nearby) shall be regularly conducted and records maintained. The monitored data shall be submitted to the ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Monitoring of quality of ground water is undertaken and records are maintained. Reports shall be filed.
xii)	A well designed rainwater harvesting shall be put in place. Central groundwater authority/ board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date issue of clearance and details shall be furnished. Status of implementation shall be submitted to the regional office of the ministry.	Study on Rainwater harvesting scheme was done in and around DGEN site. The report has been submitted to CGWB for their evaluation and approval.
xiii)	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the ministry as well as to the regional office of the ministry.	Natural Gas/ RNLG will be received through pipeline and adequate protective/ risk preventive measures shall be put in place.
xiv)	Noise levels emanating from turbines shall be controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers	Noise levels shall be maintained as prescribed. Protective PPEs shall be

	engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.	provided to personnel working in noisy area
xv)	Regular monitoring of ground level concentration of SO ₂ , NO _x , RSPM(PM ₁₀ & PM _{2.5}) etc. shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be submitted to the regional office of this ministry. The data shall also be put on the website of the company.	Monitoring of Ambient Air Quality and Water Level are being carried out regularly and records are maintained.
xvi)	Time bound action plan for implementation of issues raised in public hearing shall be submitted to the ministry within three months.	The project was exempted from Public Hearing since it is located within SEZ.
xvii)	An amount of RS 6.8 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs 1.4 crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with road map for implementation.	Under implementation.
xviii)	As part of CSR programme the company shall conduct need based assessment for the nearby villages to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the transitional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmers. This will be in addition to vocational training for individuals imparted to take up self employment and jobs.	Need based assessment has been done. Vocational training is being undertaken.
xix)	It shall be ensured that in – built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	Shall be complied

B. General Conditions:

i)	Storage facilities for auxiliary liquid fuel such as LDO and/HFO/LSHS (if any) shall Be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel with not exceeds 0.5%. Disaster Management plane shall be prepared to meet any eventually in case of an accident taking place due to storage of oil.	Shall be complied
ii)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid facilities including Ambulance are provided at site. Rest facilities and toilets are made available at site for

		workers and drivers
iii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project	Labour colony with appropriate facilities is provided for the construction labourers at nearby area since the DSL doesn't permit such facilities within the site.
iv)	The project proponent shall advertise in at least two local newspapers widely Circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned environmental clearance and copies of clearance letter are available with the state Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in .	Information regarding EC was published in local newspapers as stipulated
v)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, urban local Body and the Local NGO if any, from whom suggestion/representation, if any, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Copies of EC was distributed to all authorities as stipulated
vi)	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the cell shall directly report to the head of the organization.	Environmental cell is established and is functional.
vii)	The proponent shall upload the status of compliance of the stipulated environmental clearance 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, the respective zonal office of CPCB and the SPCB	Has already been uploaded on the website of www.torrentpower.com
viii)	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 respective regional office of MOEF, the respective zonal office of CPCB and the SPCB.	Being submitted to MoEF Regional Office, Bhopal and copy to GPCB, Gandhinagar.
ix)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the ministry of environment and forests, its regional office, central pollution control board and state pollution control board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the regional office, ministry of environment and forests.	Complied.
x)	Regional office of the ministry of environment & forests will monitor the implementation of the stipulated conditions. A complete set of documents including environmental impact	Complied.

	<p>assessment report and environment management plan along with the additional information submitted from time to time shall be forwarded to the regional office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis.</p> <p>Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant and in public domain.</p>	<p>Critical pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant and in public domain at operation stage.</p>
xi)	<p>Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the ministry.</p>	<p>Separate fund has been earmarked to utilize for the designated purpose</p>
xii)	<p>The project authorities shall inform the regional office as well as the ministry regarding the date of financial closure and final approval of the project by the concerned authorities and dates of start of land development work and commissioning of plant.</p>	<p>Financial closure: 21 May, 2011</p> <p>Land development: January, 2011</p> <p>EC and Consent to Establish (CTE) are in place.</p>
xiii)	<p>Full cooperation shall be extended to the scientists / officers from the ministry / regional office of the ministry at Bangalore / CPCB / SPCB who would be monitoring the compliance of environmental status.</p>	<p>Shall be done.</p>

**Status of Compliance of the stipulated conditions of the Environment Clearance
No. SEIAA/GUJ/EC/1(d)/136/2008 Dt. 13.10.2008
Period from June, 2011 to Nov., 2011**

A. SPECIFIC CONDITION

Condition No.	Description of Condition	Status of compliance
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.	Shall be complied
2	The natural gas facility will be equipped with an extensive array of gas detection and flame detection equipment.	Shall be complied
3	Methane gas detectors will be placed in any area where natural gas is being handled.	Shall be complied
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.	Shall be complied
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.	Agreed
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.	Shall be Complied
A.2	AIR :	
7	Natural gas shall be used as fuel in the power plant.	Natural Gas/ RNLG shall be used as fuel for the power plant.
8	Adequate stack height as per the GPCB norms shall be provided.	Stack shall be of 70 m height. Online NOx monitoring instrument shall be provided on the stack. Exit velocity shall be kept as prescribed by MOEF.
9	Gaseous emission at workplaces shall be controlled and kept below the limits prescribed by the factories act and Rules. Their records shall be	Shall be Complied

	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.	Shall be Complied
A.3	SOLID WASTE:	
11	The exhausted resin shall be disposed off in to nearest TSDF after necessary permission from the GPCB.	Shall be Complied
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.	Shall be Complied
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.	Shall be Complied
A.4	SAFETY :	
14	Adequate fire fighting facilities will be provided at the proposed power plant.	Shall be Complied
15	Flameproof fittings shall be provided in the manufacturing plant.	Shall be Complied
16	Proper ventilation shall be provided in the work area.	Shall be Complied
17	Storage and use of toxic chemicals shall be minimized to the extent possible.	Shall be Complied
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.	Shall be Complied
19	Personal protective equipment shall be provided to workers and its usage shall be ensured and supervised.	Complied

20	First aid box and required antidotes for the chemicals used in the unit shall be readily available in adequate quantity at all the times.	Complied
21	Training shall be given to all workers on safety and health aspects of handling chemicals.	Complied
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.	Complied
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 measure including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules.	Noise level shall be complied as prescribed. Monitoring reports are attached
A.6	GREEN BELT AND OTHER PLANTATION :	
24	The project will carry out will tree plantation of 10,000 trees in the surrounding areas in consultation with nearby school, Gram Panchayat, etc. as Corporate Social Responsibility, and ensure their survival over a period of five years.	Shall be Complied
B.	GENERAL CONDITIONS :	
25	The applicable shall provide flame detectors, and adequate local ventilation in the hydrogen storage area for emergency and safety measures.	Shall be Complied
26	The company shall undertake eco-developmental measure including community welfare program most useful in the project area for the overall improvement. The eco-development plan shall be submitted to GPCB within three months of receipt of the EC.	Various environmental initiatives have already been undertaken.
27	The project management shall also comply with all environment protection measure and risk mitigation measure/safeguards proposed by them.	Complied

28	The company shall develop rain water harvesting structures to harvest the runoff 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 water.	A study on rainwater harvesting has been conducted and the report has been submitted to Central Ground Water Board (CGWB), Ahmedabad for their review and approval
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 describe efficiency has been achieved.	Shall be complied.
30	The project management shall also comply with all the environment protection measures, risk mitigation measure and safeguards recommended in the EIA/EMP report as well as other proposals made by them.	Complied
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.	Shall be Complied
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 measure required, if any.	Shall be Complied
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.	Separate fund has been earmarked to utilize for the designated 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	Complied

	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 1 st June and 1 st December of each calendar year.	Complied
36	The project authorities shall also adhere to the stipulations made by the GPCB.	Complied
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.	Financial closure: 21 May, 2011 Land development: January, 2011 EC and Consent to Establish (CTE) are in place.
38	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
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.	Shall be complied

**Status of Compliance of the stipulated conditions of the Environment Clearance
No. 21.-1084/2007-IA.III (GIDC for Dahej SEZ) Dt. March 17, 2010
Period from June, 2011 to Nov., 2011**

PART A – SPECIFIC CONDITIONS

Construction Phase

Condition No.	Description of Condition	Status of compliance
(i)	"Consent for establishment" shall be obtained from Gujarat Pollution Control Board under Air and Water Act and a copy shall be submitted to the ministry before start of any construction work at the site.	Complied
(ii)	The area falling under CRZ shall be kept open and no activity shall be carried out. A separate clearance shall be obtained from MoEF under the provisions of CRZ Notification, 1991 as amended from time by Govt. of India prior to any development / construction activity at site	Not Applicable
(iii)	All the commitments made during the meeting held on 25 th – 28 th February 2008, 16 th – 18 th July, 2008, 29 th – 30 th September, 2008 23 rd – 24 th November, 2009 and 27 th – 29 th January, 2010 and the details submitted vide letters dated 13.06.2008, 04.09.2008, 26.09.2008, 13.10.2008, 14.10.2008, 12.11.2008, 23.04.2009, 01.05.2009, 26.05.2009, 03.07.2009, 16.07.2009, 31.07.2009, 27.10.2009, 11.11.2009, 11.01.2010, 20.01.2010, 28.01.2010 and 30.01.2010 shall be strictly complied with.	Not Applicable
(iv)	The project proponent shall exclude the portion of the plot area allotted to units which fall under CRZ area and no approval shall be them without obtaining prior CRZ / Environmental Clearance.	Not Applicable
(v)	Fresh demarcation of HTL / LTL lines and CRZ area shall be undertaken through one of the authorized agencies identified by the MoEF shall be undertaken.	Not Applicable
(vi)	Separate CRZ Clearance shall be obtained by M/s. Dahej SEZ Ltd. For the area falling under CRZ.	Not Applicable
(vii)	M/s. Dahej SEZ Ltd. Shall issue directions to all the allottees, whose plots are affected partly under CRZ Notification to obtain necessary clearance after getting the recommendation from the state coastal Zone management Authority.	Not Applicable
(viii)	Necessary permission / NOC shall be obtained from competent authority for the disposal of treated effluent into deep sea.	Statutory NOC obtained by Dahej, SEZ.
(ix)	Treated waste water shall be used for flushing of toilets, horticulture and HVAC purposes, in that order.	Shall be Complied
(x)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Complied
(xi)	A first Aid Room will be provided in the project both during construction and operation of the project.	First Aid facilities including Ambulance are provided at site.
(xii)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the	Complied

	project site.	
(xiii)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Complied
(xiv)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Complied Monitoring reports are attached
(xv)	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Complied
(xvi)	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat Pollution Control Board.	Shall be complied
(xvii)	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) rules prescribed for air and noise emission standards.	Complied
(xviii)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from chief controller of explosives shall be taken.	Shall be Complied
(xix)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Complied
(xx)	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / Gujarat PCB.	Complied
(xxi)	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).	Not Applicable
(xxii)	Ready mixed concrete must be used in building construction.	Complied
(xxiii)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Shall be Complied
(xxiv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complied
(xxv)	Permission to draw ground water shall be obtained from the competent Authority prior to construction / operation of the project.	Ground water is not used
(xxvi)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Shall be Complied
(xxvii)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based	Complied

	control.	
(xxviii)	Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Shall be Complied
(xxix)	Roof should meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.	Shall be Complied
(xxx)	Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air-conditioned spaces which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Shall be Complied
(xxxi)	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National building code including protection measures from lightening etc.	Shall be complied
(xxxii)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Complied
(xxiii)	Under the provisions of Environment (protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Noted
II. OPERATION PHASE:		
(i)	The installation of the Effluent Treatment Plant (ETP) / Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled /reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated shall conform to the norms and standards of the Gujarat Pollution Control Board. Necessary measures should be made to mitigate the odor problem from STP	Shall be Complied
(ii)	Necessary permission / NOC shall be obtained from competent authority for the disposal of treated effluent into deep sea	Shall be Complied
(iii)	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. The hazardous wastes shall ne disposed at authorized TSDF site	Shall be Complied
(iv)	Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Gujarat Pollution Control Board	Shall be Complied

(v)	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	Shall be Complied
(vi)	the green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise	Under compliance
(vii)	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period	Complied
(viii)	Rain water harvesting for roof run - off and surface run - off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table	Shall be Complied
(ix)	The ground water level and its quantity should be monitored regularly in consultation with Central ground Water Authority	Complied
(x)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized	Complied
(xi)	A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials and technology, R & U Factors etc and submit to the Ministry in three months time	Shall be Complied
(xii)	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off / sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible	Shall be Complied
(xiii)	Adequate measures should be taken to prevent odor problem from solid waste processing plant and STP	Shall be Complied
(xiv)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation	Shall be Complied

PART – B. GENERAL CONDITIONS

I	The environmental safeguards contained in the EIA report should be implemented in letter and spirit.	Complied
II	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 respective Regional office of MoEF, the respective Zonal office of CPCB and the SPCB.	Shall be Complied
4	Officials from the regional office of MoEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF,	Shall be Complied

	Regional office of MoEF, Bhopal.	
5	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this ministry.	Complied
6	The ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
7	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Shall be Complied
8	These stipulations would be enforced among other under the provisions of water (Prevention ND Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the environment (Protection) Act, 1986, the Public liability (Insurance) Act, 1991 and EIA Notification, 2006.	Shall be complied
9	The project proponent should advertise in at least two local Newspapers Widely Circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Gujarat Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the regional office of this Ministry at Bhopal.	Complied
10	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Noted
11	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.	Noted
12	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body 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.	Complied
13	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, the respective Zonal Office of CPCB and the SPCB. The 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.	Complied
14	The environmental statement for each financial year ending 31 st	Shall be Complied

	<p>March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, 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 respective Regional offices of MoEF by e-mail.</p>	
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