

**Tata Chemicals Limited Mithapur**

**Compliance status report of Environmental Clearance (Ministry's letter No. no J 13011/20/2006. IA-II (T) dated May 22, 2006  
Amendment vide letter No. J 13011 /20 / 2006. IA-II (T) dated May 30, 2007**

Sr No	Environment clearance conditions	Compliance Status (July 2019 to December 2019)
(i)	The conditions stipulated by Gujarat Pollution Control Board vide their letter No.PC/CCA-JMN-51(3)/33488 dated 28 <sup>th</sup> November, 2005 shall be strictly implemented.	The conditions stipulated by Gujarat Pollution Control Board vide letter No. PC/CCA-JMN-51(3)/33488 dated 28 <sup>th</sup> November, 2005 have been implemented. Compliance report of CCA has been submitted to the Ministry.
(ii)	The Lignite and Petcoke to be used as fuel for the project shall have an average Sulphur content of 2% and 6% respectively	Coal and Petcoke are used as fuel for the project having average sulphur content of 2% and 6% respectively.
(iii)	Ground water shall not be extracted for any purpose (domestic or industrial or any other), after 15 months of issuance of this environmental clearance. An undertaking in this regard shall be submitted to the Ministry within 30 days of this issue of this clearance letter.	Ground water was not extracted for any purpose (domestic or industrial or any other), after 15 months of issuance of this environmental clearance. An undertaking in this regard was submitted to the Ministry.
(iv)	No activity relating to the project shall be undertaken in the marine sanctuary / marine national park.	Project site is within existing complex. No activity related to the project was undertaken in the Marine sanctuary/Marine National park.
(v)	No effluents shall be discharged in the marine sanctuary / marine national park.	There is no effluent generation from the expansion project; thus there is no discharge.
(vi)	No activity relating to the project shall be carried out in the CRZ area without obtaining specific approval from the competent authority under the provisions of the CRZ Notification, 1991 as may be applicable to such activities.	Project location is within existing complex. No project related activity was carried out in CRZ area.
(vii)	All the effluents from the proposed plant, after proper treatment, shall be utilised within the plant and shall not be mixed with existing effluents at the waste water channel.	There is no effluent generation from the expansion project. However, Treated waste water from the existing complex is discharged into Sea through a single outlet as per GPCB Consent order.
(viii)	Ambient air quality monitoring shall be carried out both in terms of SO <sub>2</sub> and NO <sub>x</sub> levels till the high pressure boiler-4 (HPB4) is commissioned and demonstrate that existing background concentration are below the norms for sensitive areas. A report shall be submitted to the Regional Office of this ministry at Bhopal in this regard.	Ambient air quality monitoring was carried out for both in terms of SO <sub>2</sub> and NO <sub>2</sub> levels till the high pressure boiler-4 (HPB4) is commissioned which concludes that existing background concentration are below the norms for sensitive areas. In this regard, a report was submitted to the Regional Office, Bhopal vide TCL letter No. dated A/WG/1245/2010 dated November 16, 2010
(ix)	A log book of stack-wise, SO <sub>2</sub> emission load, existing as well as after commissioning of high pressure boiler-4 (HPB4) shall be maintained for any future reference.	A logbook of stack-wise, SO <sub>2</sub> emission load is being maintained for existing as well as after commissioning of high pressure boiler-4 (HPB-4).
(x)	Limestone injection technology shall be adopted to control SO <sub>2</sub> emissions and it shall be ensured that SO <sub>2</sub> levels do not exceed 30 ug/m <sup>3</sup> in the ambient air of the area.	Limestone injection technology is being adopted to control SO <sub>2</sub> emissions and it is ensured that SO <sub>2</sub> levels do not exceed 30 ug/m <sup>3</sup> in the ambient air of the area.
(xi)	A single stack of 101 m height shall be provided with continuous online monitoring system. During outage of one boiler, the exit velocity of 10.6 m/sec and when both the boilers are working, the exit velocity of 21.2 m/sec shall be maintained.	A single stack of 101 m height is provided with continuous online monitoring system. During outage of one boiler, the exit velocity of 10.6 m/sec and when both the boilers are working, the exit velocity of 21.2 m/sec is maintained.

(xii)	High efficiency Electrostatic Precipitators (ESPs) / Bag filters having efficiency of 99.9% shall be installed to ensure that SPM emissions do not exceed 50 mg/Nm <sup>3</sup> . Automatic system to shut down the unit in the event of non-functioning of ESPs / Bag filters shall be provided.	Upgradation of ESPs as per TCL letter dated 24.05.18 in compliance of CPCB directions dated 16.04.18 for emission norms for captive power plants. Complied with emission norms prescribed in consent order.
(xiii)	Ash shall be collected in dry form only. 100% ash utilisation shall be ensured in Cement industry, land reclamation, and other such uses from the date of commissioning of the plant.	Ash is being collected in dry form only. Ash is utilised in cement plant, land reclamation, Bund making and other such uses (Supply to Brick manufacturers).
(xiv)	Rain water harvesting shall be adopted. Central Groundwater Authority / Board shall be consulted for finalisation of appropriate water harvesting technology within a period of three months from the date of clearance.	Rain water harvesting has been adopted. Details have been submitted to the Ministry.
(xv)	Regular monitoring of water quality including heavy metals shall be undertaken around ash dyke and the project area to ascertain the change in the water quality, if any, due to leaching of contaminants from ash disposal area.	Ground water quality monitoring is being carried out around the project area. Since, ash is being collected in dry form only; thus, there is no ash dyke and no leaching of contaminants into the ground.
(xvi)	Noise level shall be limited to 75 dB (A). For people working in the high noise area, personal protection devices such as earplug etc. shall be provided.	Ambient Noise level monitoring is being carried out in and around the plant site. Results are found below 75 dB(A). PPEs are mandatory in workplace as per safety norms.
(xvii)	Greenbelt shall be developed in an area of 15 acres.	Greenbelt has been developed in plant periphery.
(xviii)	A copy of the list of flora and fauna within 10 Km radius duly authenticated by government agencies or by any institute of repute / university shall be submitted to the Ministry within three months of issuance of this letter. Based on the same, conservation measures, if any required, shall be taken.	List of flora and fauna within 10 Km radius of the plant site, was submitted to the Ministry vide TCL letter No. A/WG/240/2006 dated February 09, 2006 within three months of issuance of this letter.
(xix)	Regular monitoring of the air quality shall be carried out in and around the power plant and records be maintained. Six monthly reports shall be submitted to this Ministry.	Regular monitoring of air quality is being carried out in and around the power plant and records are maintained. Six monthly reports are enclosed as <b>Annexure-1</b> .
(xx)	For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant shall be ensured.	Regular sprinkling of water is being done in raw material handling area, ash storage yard etc. for controlling fugitive dust.
(xxi)	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Company had informed the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with Gujarat Pollution Control Board and can also be seen at website of Ministry and Forest at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> by advertising the same in local newspapers in English and Gujarati language.
(xxii)	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environment monitoring cell with suitable qualified staff has been setup for implementation of the stipulated environmental safeguards.
(xxiii)	Half yearly reports on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry / Regional Office / CPCB / SPCB.	Half Yearly compliance status reports for duration July 2019 to December 2019 is being submitted the Ministry (Regional office, Bhopal)/ CPCB/ GPCB.

(xxiv)	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Management Plan should be forwarded to the Regional Office for their use during monitoring.	Noted. Complete set of Environmental Impact Assessment Report and Management Plan has been submitted to the Regional Office, Bhopal.
(xxv)	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures and these cost included as part of the project cost. The funds earmarked for the environment protection measures not diverted for other purposes and year-wise expenditure are reported to the Ministry and GPCB as a part of Environment Statement.
(xxvi)	Full co-operation should be extended to the Scientists / Officers from the Ministry / Regional Office of the Ministry at Bhopal / the CPCB / the SPCB who would be monitoring the compliance of environmental status.	Noted.