

F.No. J-11011/265/2013-IA-II (I)
Government of India
Ministry of Environment, Forest & Climate Change
IA-II Division

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi -3
Dated: 12th March, 2018

To

M/s Indofil Industries Ltd.,
Kalpataru Square, 4th Floor,
Kondivita Road, Off Andheri-Kurla Road,
Andheri East, **Mumbai** - 400059

Sub: Setting up Specialty Chemicals manufacturing unit by M/s Indofil Industries Limited at plot No. D-2/CH-12, GIDC, Industrial Estate, Village Dahej, Tehsil Vagra, District Bharuch (Gujarat) - Amendment in EC - reg.

Sir,

This refers to your online proposal No. IA/GJ/IND2/48107/2013 dated 13th September, 2017 for amendment in the environmental clearance granted by the Ministry vide letter dated 28th October, 2016 for the above project.

2. The proposal was considered by the Expert Appraisal Committee (Industry-2) in the Ministry in its 30th meeting held on 2-3 November, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under:-

(i) The Ministry has granted environmental clearance vide letter No. J-11011/265/2013-IA-II (I) dated 28th October, 2016 to the project 'Setting up specialty chemicals manufacturing unit' by M/s Indofil Industries Limited at plot No. D-2/CH-12, GIDC, Industrial Estate, Village Dahej, Tehsil Vagra, District Bharuch (Gujarat).

(ii) The amendments have been sought in the EC as per details below: -

Item in the EC	Matter as per EC	Amendment required
Para No. 3	The Committee suggested the project proponent to use Natural Gas as clean fuel. Stack of adequate height shall be provided to the gas fired boiler as per CPCB/SPCB guidelines. Bag Filter will be provided to spray dryer. Adequate stack Height will be provided to DG Set. Alkali scrubber will be provided to incinerator. Scrubber will be provided to control process emissions viz. HCl, HBr, NH ₃ , CS ₂ , H ₂ S etc. Total Water requirement will be 2711 m ³ /day, out of which total fresh water requirement from River Damanganga through GIDC Vapi will be 1500 m ³ /day and remaining water requirement 1311 m ³ /day will be met from treated effluent/recycled water. Effluent	The Committee suggested the project proponent to use Coal or Natural Gas as fuel. Stack of adequate height shall be provided to the gas or coal fired boiler as per CPCB/SPCB guidelines. Bag Filter shall be provided to spray dryer. Adequate stack Height shall be provided to DG Set. Alkali scrubber shall be provided to incinerator. Scrubber shall be provided to control process emissions viz. HCl, HBr, NH ₃ , CS ₂ , H ₂ S etc. Total fresh water requirement shall be 2811 m ³ /day (Industrial: 2711 m ³ /day + Domestic: 100 m ³ /day) from GIDC Water Supply. Effluent generation



	generation will be 1323 m ³ /day. Industrial wastewater will be segregated into High TDS/COD and Low TDS/COD effluent streams. High TDS/COD stream will be treated through steam stripper followed by multiple effect evaporator (MEE) and agitated thin film dryer (ATFD). Low TDS effluent stream will be treated in the effluent treatment plant (ETP) followed by reverse osmosis (RO). No effluent will be discharged outside the plant premises. Process Inorganic Residue, evaporation salts and ETP sludge will be sent to TSDF. Fly ash will be sent to brick manufacturers. Catalyst, waste oil and used batteries will be sent to authorized recyclers.	shall be 1361 m ³ /day (Industrial: 1311 m ³ /day + Domestic: 50 m ³ /day). Industrial wastewater shall be segregated into High TDS/COD and Low TDS/COD effluent streams. High TDS/COD stream shall be treated in multiple effect evaporator (MEE) & condensate goes to conventional ETP where it is mixed with Low TDS/COD effluent stream and ultimately the treated effluent i.e. 1361 m ³ /day (Industrial: 1311 m ³ /day + Domestic: 50 m ³ /day) shall be discharged to deep sea via GIDC's existing pipeline. Process Inorganic Residue, evaporation salts and ETP sludge shall be sent to TSDF. Fly ash shall be sent to brick manufacturers. Catalyst, waste oil and used batteries shall be sent to authorized recyclers.
Specific Condition (v)	Total fresh water requirement from Damanganga River shall not exceed 1500 m ³ /day	Total fresh water requirement shall not exceed 2811 m ³ /day (Industrial: 2711 m ³ /day + Domestic: 100 m ³ /day) from GIDC Water Supply.
Specific Condition (vi)	Effluent generation shall not exceed 1323 m ³ /day. Industrial wastewater will be segregated into High TDS/COD and Low TDS/COD effluent streams. High TDS/COD stream will be treated through steam stripper followed by multiple effect evaporator (MEE) and agitated thin film dryer (ATFD). Low TDS effluent stream will be treated in the effluent treatment plant (ETP) followed by reverse osmosis (RO). No effluent will be discharged outside the plant premises	Effluent generation shall be 1361 m ³ /day (Industrial: 1311 m ³ /day + Domestic: 50 m ³ /day). Industrial wastewater shall be segregated into High TDS/COD and Low TDS/COD effluent streams. High TDS/COD stream shall be treated in multiple effect evaporator (MEE) & condensate goes to conventional ETP where it is mixed with Low TDS/COD effluent stream and ultimately the treated effluent i.e. 1361 m ³ /day (Industrial: 1311 m ³ /day + Domestic: 50 m ³ /day) shall be discharged via GIDC's existing 10 km deep sea pipeline.

3. The EAC, after deliberations, recommended for the proposed amendments in the environmental clearance dated 28th October, 2016, in respect of para 3 and specific conditions (v) & (vi) as under:

(a) The Para 3 of the said EC to be replaced with, and now read as under: -

The Committee suggested the project proponent to use Coal or Natural Gas as fuel. Stack of adequate height shall be provided to the gas or coal fired boiler as per CPCB/SPCB guidelines. Bag Filter shall be provided to spray dryer. Adequate stack height shall be provided to DG Set. Alkali scrubber shall be provided to incinerator. Scrubber shall be provided to control



process emissions viz. HCl, HBr, NH₃, CS₂, H₂S etc. Total fresh water requirement shall be 2811 m³/day (industrial: 2711 m³/day + domestic: 100 m³/day) from GIDC water supply. Effluent generation shall be 1361 m³/day (industrial: 1311 m³/day + domestic: 50 m³/day). Industrial wastewater shall be segregated into high TDS/COD and low TDS/COD effluent streams. High TDS/COD stream shall be treated in multiple effect evaporator (MEE) & condensate goes to conventional ETP where it is mixed with low TDS/COD effluent stream and ultimately the treated effluent i.e. 1361 m³/day (industrial: 1311 m³/day + domestic: 50 m³/day) shall be discharged to deep sea via GIDC's existing pipeline. Process Inorganic Residue, evaporation salts and ETP sludge shall be sent to TSDF. Fly ash shall be sent to brick manufacturers. Catalyst, waste oil and used batteries shall be sent to authorized recyclers.


(b) Specific Conditions (v) & (vi) to be read as under: -

(v) Total fresh water requirement shall not exceed 2811 m³/day (industrial: 2711 m³/day + domestic: 100 m³/day) from GIDC water supply.

(vi) Effluent generation shall be 1361 m³/day (industrial: 1311 m³/day + domestic: 50 m³/day). Industrial wastewater shall be segregated into high TDS/COD and low TDS/COD effluent streams. High TDS/COD stream shall be treated in multiple effect evaporator (MEE) & condensate goes to conventional ETP where it is mixed with low TDS/COD effluent stream and ultimately the treated effluent i.e. 1361 m³/day (industrial: 1311 m³/day + domestic: 50 m³/day) shall be discharged via GIDC's existing 10 km deep sea pipeline.


4. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendments in the environmental clearance dated 28th October, 2016 for 'Setting up Specialty Chemicals Manufacturing unit' by M/s Indofil Industries Limited (Unit-3) at plot No. D-2/CH-12, GIDC, Industrial Estate, village Dahej, Tehsil Vagra, District Bharuch (Gujarat), as stated in para 3 above.

5. All other terms and conditions stipulated in the environmental clearance dated 28th October, 2016 shall remain unchanged.


12/3/2018
(S. K. Srivastava)
Scientist E

Copy to: -

1. The Secretary, Forests & Environment department, Government of Gujarat, Sachivalaya, 8th Floor, **Gandhi Nagar** (Gujarat)
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, **Bhopal** – 462016 (Madhya Pradesh)
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, **Delhi** - 32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10 A, **Gandhi Nagar**- 382 043 (Gujarat)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, **New Delhi**
6. Guard File/Monitoring File/Record File


12/3/2018
(S. K. Srivastava)
Scientist E