



F. No. J-11011/73/2016-IA-II(I)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi-110 003

Dated: 6th October, 2022

To,

M/s. IG Petrochemicals Limited,
MIDC Taloja, Tehsil: Panvel,
Dist.: Raigad, Maharashtra.

Sub: Proposed expansion of Petrochemical manufacturing facility located at Plot No.: T-2, V-45, V-11 to V-14, T-2/1, T-1, MIDC Taloja, Tehsil: Panvel, Dist.: Raigad, Maharashtra by M/s. IG Petrochemicals Limited– Amendment in Environmental Clearance reg.

Sir,

This refers to your online proposal No. IA/MH/IND2/284398/2022 dated 10th August, 2022 for amendment in the environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has considered the above proposal for amendment in the environmental clearance granted by the Ministry vide EC Identification No. EC22A020MH142817 (File No. J-11011/73/2016-IA-II(I)) dated 14th March, 2022 for Proposed expansion of Petrochemical manufacturing facility located at plot No.: T-2, V-45, V-11 to V-14, T-2/1, T-1, MIDC Taloja, Tehsil Panvel, District Raigad, State Maharashtra by M/s. IG Petrochemicals Limited.

3. The project proponent has requested for amendment in the EC with the details are as under.

S. N.	Para of EC	Details as per EC dated 14 th March, 2022 (From)	To be revised (Read as)	Justification/ Reasons
1	Para- 17 and 22 (A) Specific condition i	Industry shall install solar power of at least 10% of its total power requirement within plant/ nearby villages as a part of EMP.	Industry shall install solar power of at least 16% of the power requirement of proposed expansion project within plant.	Power requirement for proposed expansion project is 2750 KW. Proposal for installing solar power unit on warehouse roof (4288 m ² area) which will generate approx. 400 KW. (16% of proposed expansion power requirement). Industry generates power from waste steam generated from exothermic heat of reaction (green power) and is self-sufficient in power requirement. The same will be applicable for expansion. No grid power required during normal plant operations.
2.	Para 22 (A) Specific Condition ii	The project proponent will treat and reuse the treated water within the factory	Industry shall restrict CETP discharge to existing 220 CMD and no additional effluent	The received EC is for proposed expansion (phase V) project. The 68 CMD effluent proposed to be generated in phase V expansion will be treated and recycled totally.

S. N.	Para of EC	Details as per EC dated 14 th March, 2022 (From)	To be revised (Read as)	Justification/ Reasons
		and no waste or treated water shall be discharged outside the premises.	shall be discharged from the proposed expansion project. Additional treated effluent from the proposed expansion shall be treated and recycled completely.	
3.	Specific Condition vii	Process organic residue and spent carbon, if any, shall be sent to cement industries.	Process organic residue (distillation residues from Phthalic Anhydride and Maleic Anhydride process) shall be used as fuel in Thermic Fluid Heaters. Spent carbon and process organic residue from tank cleaning, if any, shall be sent to CHWTSDF.	<p>Residue from Distillation: Existing (5467.8 MT/A) and Proposed (1316 MT/A) residue will be generated in Phthalic Anhydride and Maleic Anhydride distillation is utilized as fuel in thermic fluid heaters. The total saving of LSHS/ FO will be 3028 MT/year. Rule 9 (of Hazardous and Other Wastes (M and TM) Rules, 2016) exemption permission obtained from MOEFCC for use of distillation residue vide letter no. 23/47/2017-HSM dt. 19th September 2017. Residue use in thermic fluid heaters is approved by MPCB in the Consent to Operate granted to the unit for the last more than 30 years. Residue is handled (stored and consumed) under totally close system and has to be handled in hot condition (temperature- 150-170 deg C). Considering this, transportation of residue poses a major challenge. The nearest cement plant from the site is 600 km away. Hence, Residue from Distillation are proposed to be utilized as fuel in thermic fluid heaters. Details of residue generation and disposal submitted in EIA report and affidavit letter Ref. no. IGPL/JKS/2022/PA-V dated 11.02.2022.</p> <p>Solids from Residue, Wash Water Tank Cleaning and Spent Carbon Solids Generated from residue and wash water tanks cleaning. Estimated quantity post expansion is 190 MT/A. The generation is infrequent. Spent carbon generation is 93.7 MT/A which is very low. In</p>

S. N.	Para of EC	Details as per EC dated 14 th March, 2022 (From)	To be revised (Read as)	Justification/ Reasons
				existing facility, sent to CHWTSDF (Mumbai Waste Management Ltd.) which is located 4 km away. Disposal to CHWTSDF be allowed as per existing Consent to Operate granted by MPCB. Nearest cement plant is located 600 km away and it is not viable. Details of residue generation and disposal submitted in EIA report and affidavit letter Ref. no. IGPL/JKS/2022/PA-V dated 11.02.2022.
4.	Specific Condition xii	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc.	Industry will develop 26% (29064.63 m ²) of the total plot area as greenbelt within the plant premises and 10% additional green belt shall be developed outside plant premises adjacent to the plant within MIDC Industrial area.	The plant has been in existence since 1990-91. Existing green belt area within plot is 12% (13313.45 m ²). 6 m wide road around the plant is mandatory for safety purposes as per MIDC Development Control Rules and DISH requirements under Factories Act, 1941. With optimization within plot, PP proposes to increase green belt area within plot upto 26% (29064.63 m ²). Further optimization within plot is very difficult. Further, PP informed that to develop additional green belt area 10% (10218 m ²) adjacent to the plant within the MIDC Industrial Area. Agreement has been signed with MIDC for tree plantation. This will cover the plant with dense green belt on three sides. Total green belt area within and outside the plant (39282.63 m ²) i.e. 36% of total plot area will be developed.


4. The proposal was considered by the EAC (Meeting ID: IA/IND2/13327/01/09/2022) in its meeting held during 01st - 02nd September, 2022 in the Ministry. After detailed deliberations, EAC recommended the proposal for amendment in EC as proposed by the project proponent at para 3 above subject to the following additional conditions:

- (i) Industry shall obtain prior approval from SPCB for discharge of effluent to CETP. Industry shall discharge 220 KLPD of treated effluent to CETP after achieving the discharge norms specified by the SPCB. Online monitoring system shall be installed and connected to the CPCB and SPCB server.
- (ii) Air emissions from Thermic Fluid Heaters shall be monitored and emission levels shall not exceed the prescribed limit.
- (iii) For outside greenbelt development, PP shall take land for long term lease of 25 years and greenbelt shall be maintained properly.

- (iv) PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

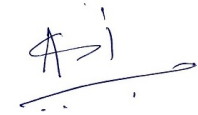
5. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendments in the environmental clearance dated 14th March, 2022 as stated at paras 3 and 4 above, for the project Proposed expansion of Petrochemical manufacturing facility located at Plot No.: T-2, V-45, V-11 to V-14, T-2/1, T-1, MIDC Taloja, Tehsil: Panvel, Dist.: Raigad, Maharashtra by M/s. IG Petrochemicals Limited. However, all other terms and conditions as mentioned in EC Identification No. EC22A020MH142817 (File No. J-11011/73/2016-IA-II(I)) dated 14th March, 2022 shall remain unchanged.

6. This issues with approval of the competent authority.


(A. N. Singh)
Scientist-'E'

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001 Maharashtra
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Raigad, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File


(A.N. Singh)
Scientist-'E'
E-mail: aditya.narayan@nic.in
Tel. No. 11-24642176