



Government of India
Ministry of Environment, Forest and Climate Change
(IA Division)

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

Yogendra Pal Singh
Scientist 'D'

F. No. J-11011/73/2016-IA-II (I)

Telefax: 91-11-24695365
E-mail : yogendra78@nic.in
Dated: 18th July, 2017

To,

Shri J K Saboo
Executive Director
M/s I G Petrochemical Ltd.
Plot No. T-2, MIDC Taloja Industrial Area, Taloja,
Dist. Raigad, Maharashtra-410 208

Subject: Expansion of Petrochemical and synthetic organic chemicals manufacturing facility at Plot No. T-2, MIDC Taloja, Tehsil Panvel, District Raigad, Maharashtra by M/s I G Petrochemicals Ltd. (IGPL).- reg. Environmental Clearance.

Ref.: Your online proposal no. IA/MH/IND2/50347/2016; dated 9th March, 2017.

Sir,

This has reference to your online proposal IA/MH/IND2/50347/2016; dated 9th March, 2017 along with project documents including Form I, Terms of References, Pre-feasibility Report and EIA/EMP Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for expansion of petrochemical and synthetic organic chemicals manufacturing facility at Plot No. T-2, MIDC Taloja, Tehsil Panvel, District Raigad, Maharashtra by M/s I G Petrochemicals Ltd. (IGPL). Total land area is 113,282 m². Industry has already developed Greenbelt in an area of 10% i.e. 11,327.6 m² out of 113,282 m² of area of the project.

3.0 The estimated project cost is Rs. 350 Crores including existing investment of Rs. 664.99 Crores. Total capital cost earmarked towards environmental pollution measures is Rs. 825 Lakhs & the Recurring cost (operation & maintenance) will be about Rs. 225 Lakhs per annum. Total employment will be 30 No. of persons as direct & 150 No. of persons indirect after expansion. Industry proposes to allocate Rs. 60 Lakhs per annum towards Corporate Social Responsibility.

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4.0 Following is the list of existing and proposed products of M/s I G Petrochemicals Ltd. (IGPL):

Existing product list:

Sr. No.	Product	Existing Product Quantity, TPA
1.	Phthalic anhydride (PAN)	169,110
2.	Benzoic acid	1000
3.	Power (Export to grid)	2.5 MW
4.	Maleic Anhydride	6,500
	Sub Total (Products)	1,76,610

Proposed Additional capacities of Products

Sr. No.	Product	Proposed additional Capacity, TPA
	Products	
1.	Phthalic anhydride (PAN)	53,000
2.	Benzoic acid	500
	Maleic Anhydride	1,160
3.	Power (Export to grid)	--
4.	Di ethyl phthalate (DEP)	12,600
5.	Di methyl phthalate (DMP)	
	Sub Total (Products)	67260
	By Products	
1.	Sodium sulphate	900
2.	Phthalic acid	800
3.	Monoester salts	3000
	Sub Total (By Products)	4700
	Total (Product & By Product)	71960

5.0 It is reported that No national parks, wildlife sanctuaries, Biosphere Reserves etc., lies within 10 km distance from the project site. Matheran Eco sensitive area is lies within 5 km distance. Nallah is flowing near to plant from North to South direction.

6.0 Total fresh water requirement for expansion project is 1328 m³/day (Since IG Petrochemicals Ltd., and Mysore Petrochemicals Ltd., are integrated units hence water requirement is shown as combined) Fresh water will be sourced from existing facility, which draws water from MIDC.

Treated effluent of 686 m³/day will be treated through Effluent Treatment Plant. Additional effluent generated will be recycle within plant.

Power requirement for expansion will be 2200 KW. Existing power requirement is 4950 KW and will be met from captively generated/ supplied by MSEDCL. Existing unit has DG sets of 2000 KVA Capacity which used as standby during power failure. No additional DG set proposed for expansion project. Stack height is provided as per CPCB norms to the existing DG sets of 2000 KVA which will be used as standby during power failure.

Existing unit has 3 Nos. of 10 TPH Furnace oil based Fired boiler & 2 Nos of Hot oil heater. Cyclone separator with a stack of height of 55 m for Boiler & 31 m each for Hot oil heaters is provided for controlling the Particulate emissions (within statutory limit 150 mg/Nm³). For expansion project there will be 1 no. of Hot oil heater provided with 31 m of stack height & cyclone separator/ scrubber. Scrubbers will be used to control process emissions.

Biological sludge from waste water treatment will be sent for Landfilling. Debris during maintenance activities like insulation/packing material / scrap iron etc., will be sold/ sent to CHWTSDF. Still bottom from distillation will be used as fuel heater. Discarded containers /barrels/liners and Discarded bags used for hazardous chemicals will be washed and reused. Chemical sludge from waste water treatment, Flue Gas cleaning residue, Spent carbon and Discarded asbestos will be Sent to CHWTSDF. Spent catalyst and molecular sieve will be Sent back to CHWTSDF/to Manufacturer. Used oil / Spent oil will be sold to CPCB/MPCB authorized re-processor. Organic residue (Distillation back end residue) will be Used as fuel. Organic residue (from cleaning of wash water/residue storage tanks) will be sent to CHWTSDF Taloja.

7.0 Public hearing was exempted as per para 7(i) III stage (3) (i) (b) of EIA Notification, 2006 for preparation of EIA/EMP Report, being site is located in the Notified industrial area.

8.0 All Petrochemical based processing (processes other than cracking &) are listed at S.N. 5 (e) & all Synthetic organic chemicals industry are listed at S.N.5(f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'A' and category 'B' are appraised at Central Level by Expert Appraisal Committee (EAC).

9.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 21st EAC meeting held during 27th to 29th March, 2017. Project Proponent and the EIA Consultant namely M/s Aditya Environmental Services Pvt. Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

10.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. Specific Conditions:

- i) 5000 trees shall be planted in five years in nearby villages. Survival rate of plants shall be reported to RO, MoEF&CC in 6 monthly compliance report.
- ii) At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.
- iii) A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.
- iv) The unit shall adhere to Zero Liquid Discharge (ZLD).
- v) Continuous online (24 x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MEF&CC, CPCB and SPCB.
- vi) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- vii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii) The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess



the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

v. The overall noise levels in and around the plant area shall be kept well within the standards by providing 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.

vii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

viii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.

ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.

x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

xii. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with

the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

xiv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance 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 SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

xv. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.


xvii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

11.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

12.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.


13.0 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 Waste

(Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


18.7.2017
(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 400 032
2. The Additional Principal Chief Conservator of Forests, Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.


18.7.2017
(Yogendra Pal Singh)
Scientist 'D'