



भारत सरकार  
GOVERNMENT OF INDIA  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
MINISTRY OF ENVIRONMENT, FORESTS  
& CLIMATE CHANGE

Regional Office (WCZ)  
Ground Floor, East Wing  
New Secretariat Building  
Civil Lines, Nagpur - 440001  
E-mail: apccfcentral-ngp-mef@gov.in

F.No:EC-595/RON/2017-NGP/

Date: 04.05.2018

To,

**Scientist'E'**  
**Member Secretary**  
**IA Division (Industry-2)**  
**Ministry of Environment, Forest & Climate Change**  
**Indira Paryavaran Bhawan,**  
**Aliganj, Jorbagh Road,**  
**New Delhi-110003**

Sub: Environmental clearance granted for the expansion of petrochemical and synthetic organic chemicals manufacturing facility at MIDC Taloja, Tehsil Panvel, Raigad District, Maharashtra by M/s. IG Petrochemicals Limited

Ref:

1. MoEF&CC letter no. J-11011/73/2016-IA-II(I) dated 18.07.2017
2. MoEF&CC letter no. J-11011/73/2016-IA-II(I) dated 20.02.2018

Sir,

I am directed to invite your kind attention on the above subject and letter under reference. Monitoring report of compliance to conditions stipulated in Environmental clearance granted for the expansion of petrochemical and synthetic organic chemicals manufacturing facility at MIDC Taloja, Tehsil Panvel, Raigad District, Maharashtra by M/s. IG Petrochemicals Limited is enclosed herewith. Site inspection has been carried out on 07.04.2018.

Ministry granted environmental clearance vide letter dated 18.07.2017 for the expansion of petrochemicals and synthetic chemicals manufacturing facility in the premises of existing plant. PA informed that the basic engineering/design study of the project is in progress. PA submitted application to MPCB for the grant of consent to establish vide letter dated 08.03.2018. The same is pending with MPCB.

PA submitted that conditions stipulated in environmental clearance will be complied with during the construction/operation.

This issues with the approval of APCCF (Central), Regional Office, Nagpur.

*A. Suresh Kumar*  
04/05/18  
Suresh Kumar Adapa  
Scientist 'D'

Encl: as above

**Copy to:**

1. Director RO HQ, Ministry of Environment, Forest & Climate Change, Government of India, 1st Floor Agni Wing, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi-110 003
2. Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003
3. Mr. J. K. Saboo, Executive Director, Plot no. T-2, Taloja Industrial Area, MIDC, District Raigad, Navi Mumbai- 410208
4. Guard File

*A. Suresh Kumar*  
*09/05/16*  
Suresh Kumar Adapa  
Scientist 'D'

DATA SHEET

1.	Project type: River-valley/Mining/Industry/Thermal/Nuclear/ Other (Specify)	Industry
2.	Name of the Project	Expansion of Phthalic Anhydride, Maleic Anhydride and Benzoic Acid facility at Plot No.T-2, MIDC, Talaja.
3.	Clearance letter (s)/OM No. And Date	<b>F. No. J-11011/73/2016-IA II (I)</b> <b>Dated 18<sup>th</sup> July, 2017</b>
4.	Location: a) District (s) b) State (s) c) Location  d) Latitude/Longitude	Raigad Maharashtra Plot No. T-2, T-2/1, V-45, V-11, V-12, V-13 & V-14 Talaja Industrial area, MIDC Latitude: 19° 05'26.20"N Longitude: 73° 07'39.30"E
5.	Address for correspondence a) Address of the Concerned Project Chief Engineer (With Pin Code and telephone/telex/fax numbers)	Mr. J.K.Saboo Executive Director Plot no. T-2, Talaja Industrial Area, MIDC, District Raigad, Navi Mumbai 410208 91-2239289100 <a href="mailto:jksaboo@igpetro.com">jksaboo@igpetro.com</a>
6.	Salient features a) Of the project	Expansion of Phthalic Anhydride, Maleic Anhydride, Benzoic Acid and DEP/DMP manufacturing capacity.
	b) Of the Environmental management plans	a) Recovery of Maleic Anhydride and Benzoic Acid from Waste Streams of Phthalic Anhydride plant. b) Total recycle of effluents generated from expansion. c) Partial recycle of effluents from existing plants.
7.	Break up of the project area a) Submergence area forest and non-forest  b) Others	Not Applicable Project comes in approved MIDC Industrial Area Not Applicable
	a. Total plot area	1,13,282 M2



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	b. Built up area with expansion project	Existing : 34043 + Expansion : 8000 = 42043 M <sup>2</sup>
	c. Open space available	71239 M <sup>2</sup>
	d. Green belt area	11,328 M <sup>2</sup>
8.	Break up of the project affected population with enumeration of those losing house/dwelling units only agricultural land only. Both dwelling units and agricultural land and landless laborers/artisans: SC, ST/Adivasi	Not applicable
9.	Financial details: a) Project cost as originally planned and subsequent revised estimates and the year of price reference:  b) Allocation made for environmental management plans with item wise and year wise break-up.:  c) Benefit cost ratio/Internal rate of return and the year of assessment:  d) Whether (c) includes the cost of environmental management as shown in the above  e) Actual expenditure incurred on the project so far  f) Actual expenditure incurred on the environmental management plans so far	Rs. 350 Crores (Estimated) in Year 2017.  Rs.30 Crores towards upgradation of ETP and on line monitoring system etc.  Project IRR 18% per annum.  Yes  Rs.13.73 Crores till October, 2017.  Not applicable, as project is at basic engineering stage.



10.	<p>Forest land requirement:</p> <p>a) The status of approval for diversion of forest land for non-forestry use</p> <p>b) The status of cleaning felling</p> <p>c) The status of compensatory afforestation, if any</p> <p>d) Comments on the viability and sustainability of compensatory afforestation programme in the light of actual field experience.</p>	<p>Not Applicable as project comes under MIDC industrial area</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p>
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	Not Applicable
12.	<p>Status of construction</p> <p>a) Date of commencement (Actual and/or planned)</p> <p>b) Date of completion (Actual and/or planned)</p>	<p>Currently the project is under basic engineering stage. The CTE is uploaded on MPCB portal on 08.03.2018.</p> <p>November 2019 (planned)</p>
13.	Reason for the delay of the project is yet to start	Not Applicable
14.	Dates of site visits	Nil
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	--
	(b) Date of site visit for this monitoring report	Nil
15.	<p>Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits. (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.)</p>	<p>Basic Engineering orders of</p> <ol style="list-style-type: none"> <li>1. M/s PA Constultants GmbH</li> <li>2. M/s Aker Power Gas Pvt. Ltd</li> <li>3. M/s Aditya Environmental Services P. Ltd</li> <li>4. M/s Miura Engineering Services are attached herewith.</li> </ol>



**Compliance status of conditions stipulated in environmental clearance granted for the expansion of petrochemical and synthetic organic chemicals manufacturing facility at MIDC Taloja, Tehsil Panvel, Raigad District, Maharashtra by M/s. IG Petrochemicals Limited granted by MoEF&CC vide letter no. J-11011/73/2016-IA-II(I) dated 18.07.2017**

**Specific Conditions:**

<b>S.No.</b>	<b>Condition</b>	<b>Compliance Status</b>
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.	<b>PA agreed to comply with.</b>
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.	MoEF&CC, New Delhi granted amendment (vide dated 20.02.2018) in the condition and the revised budget for Enterprise Social Commitment (ESC) will be 2.5% of the total cost. PA submitted that action plan is under preparation and the same will be submitted to Ministry.
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.	<b>Complied.</b> Environment Department is headed for Manager (Environment) having qualification in environment. PA submitted that, in addition to this, one more Environmental Engineer has been appointed for ETP management.
iv.	The unit shall adhere to Zero Liquid Discharge (ZLD).	MoEF&CC, New Delhi granted amendment (vide dated 20.02.2018) in the condition and the discharge for CETP shall be 220 m <sup>3</sup> /day as per the amendment. PA submitted that the ETP is under up gradation for the proposed project and it

		will be completed by June 2019.
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 MoEF&CC, CPCB and SPCB.	<b>PA agreed to comply with.</b>  PA submitted that continuous emission monitoring stations will be followed in the proposed project.
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.	<b>PA agreed to comply with.</b>  PA submitted that fire fighting system as approved by MIDC will be provided.
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<b>PA agreed to comply with.</b>
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>PA agreed to comply with.</b>  PA submitted that authorisation will be obtained from MPCB for hazardous waste handling.  PA submitted application for the consent to establish vide letter dated 08.03.2018. The same is pending with MPCB.

**General Conditions:**

<b>S.No.</b>	<b>Condition</b>	<b>Compliance Status</b>
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.	<b>PA agreed to comply with.</b>
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.	<b>PA agreed to comply with.</b>
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 station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<b>PA agreed to comply with.</b> PA submitted that ambient air quality will be monitored in the proposed plant in consultation with MPCB.
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.	<b>PA agreed to comply with.</b>
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,	<b>PA agreed to comply with.</b>



	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.	<b>PA agreed to comply with.</b> PA submitted that rain water collection tanks will be provided in the proposed plant premises for collection of rain 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.	<b>PA agreed to comply with.</b>
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.	<b>PA agreed to comply with.</b> PA submitted that following protection measures will be implemented: <ol style="list-style-type: none"> <li>1. ETP will be upgraded for the treatment of effluent from the proposed plant.</li> <li>2. Continuous emission monitoring system will be provided.</li> </ol>
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.	<b>PA agreed to comply with.</b> PA submitted that CSR activities, eco-development works will be carried out.

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.	<b>Complied.</b> Environmental management cell has been established.
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.	<b>PA agreed to comply with.</b> As per the information provided, Rs. 825 Lakhs and Rs. 225 Lakhs have been earmarked for capital and recurring expenditure for environment protection measures.
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<b>Complied.</b> As per the information provided, copy of the EC has been submitted to MIDC, Taloja.
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	<b>Complying with.</b> PA vide letter dated 27.11.2017 submitted the status of work progress during April to September 2017 pertaining to EC granted by Ministry dated 18.07.2017. Same has been uploaded to company website.

	<p>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.</p>	
xv.	<p>The environmental statement for each financial year ending 31<sup>st</sup> 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 email.</p>	<p><b>PA agreed to comply with.</b></p>
xvi.	<p>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 <a href="http://moef.nic.in">http://moef.nic.in</a>. 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.</p>	<p>MoEF&amp;CC, New Delhi granted environmental clearance for the project vide letter dated 18.07.2017. PA submitted application to the Ministry for amendment of conditions related to (i) Benzoic Acid capacity (ii) Enterprise Social Commitment (ESC) (iii) zero discharge. Ministry granted the amendment vide letter dated 20.02.2018. Advertisement has been made on 02.03.2018. Copy of the advertisement is enclosed as <b>Annexure-1</b>.</p>

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.	<b>PA agreed to comply with.</b> PA submitted that the details will be informed to Regional Office.
11.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<b>PA agreed to comply with.</b>
12.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.	<b>PA agreed to comply with.</b>
13.	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, Handling and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<b>PA agreed to comply with.</b>

  
**Scientist 'D'**  
 JURESH KUMAR ADAPA  
 वैज्ञानिक 'डी'  
 SCIENTIST 'D'  
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
 Ministry of Environment, Forest & Climate Change  
 क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)  
 Regional Office (WCZ)  
 नागपुर/Nagpur-440001

## Summary Note

### 1. Implementation of Conditions:

Site inspection of the project has been carried out on 07.04.2018. Ministry granted environmental clearance vide letter dated 18.07.2017 for the expansion of petrochemicals and synthetic chemicals manufacturing facility in the premises of existing plant. PA informed that the basic engineering/design study of the project is in progress. PA submitted application to MPCB for the grant of consent to establish vide letter dated 08.03.2018. The same is pending with MPCB.

PA submitted that conditions stipulated in environmental clearance will be complied with during the construction/operation.

### 2. Review w.r.t to MOEFs letter dated 30.5.2012:

The above mentioned report is prepared after site visit on 07.04.2018 for the establishment of synthetic organic chemical (plasticizer) manufacturing facility at Plot no.T-2 (part), MIDC Taloja, Tehsil Panvel, District Raigad, Maharashtra

### 3. Court Cases and show cause/closure notices:

PA submitted undertakings that

- a. There are no court cases pending against the project
- b. No show cause notices issued by MPCB are pending against the project.

PA submitted application to MPCB for the grant of consent to establish vide letter dated 08.03.2018.

### 4. Uploading of compliance on web site:

PA uploaded the copies of environmental clearance, six monthly compliance report and environment statement to their website.

A. Suresh Kumar  
04/07/18  
SURESH KUMAR ADAPA  
SCIENTIST 'D'  
SCIENTIST 'D'  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest & Climate Change  
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)  
Regional Office (WCZ)  
नागपुर/Nagpur-440001

**PUBLIC ANNOUNCEMENT**

The Proposed 'Expansion of Petrochemicals and synthetic organic chemicals manufacturing facility at Plot No. T-2, Talaja Industrial Area, MIDC, Talaja, Dist. Raigad by I G Petrochemicals Ltd. has been accorded Environmental Clearance by the Ministry of Environment, Forest & Climate Change vide letter no. J-11011/73/2016-IA-II (I) dated 20th February 2018. Copy of the said environment clearance is available with Maharashtra Pollution Control Board & on website of the MoEF & CC at <http://environmentclearance.nic.in/onlineearchmodi.aspx?pid=ECAmendgrant>

I G Petrochemicals Ltd.  
Authorized Signatory

**वृत्तचि**

मुंबई, शनिवार, ३ मार्च २०१८

**जाहीर नोटीस**

सर्व संबंधितांना माहिती देण्यात येते की, प्लॉट क्रमांक टी-२, तळोजा एम.आय.डी.सी., जिल्हा रायगड, महाराष्ट्र येथील आय. जी. पेट्रोकेमिकलस लि. द्वारा प्रस्तावित प्रकल्प, कृत्रिम सेंद्रिय रासायनिक उत्पादन सुविधेच्या संबंधित असून या प्रकल्पाला पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार (MoEF & CC) समितीने समती सदर अक्षर क्र. J-11011/73/2016-IA-II (I), दिनांक २० फेब्रुवारी २०१८ प्रमाणे दिली आहे. सदर पर्यावरणीय समती पत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे तसेच मंत्रालयाच्या पर्यावरणीय विभागाच्या <http://environmentclearance.nic.in/onlineearchmodi.aspx?pid=ECAmendgrant> या संकेत स्थळावर उपलब्ध आहे.

आय.जी.पेट्रोकेमिकलस लि.  
अधिकृत सहीधारक



# IG PETROCHEMICALS LIMITED

Ref No. IGPL/JKS/2018

Date: 07.04.2018

## TO WHOMSOEVER IT MAY CONCERN

On behalf of M/s. IG Petrochemicals Limited, the undersigned has agreed to comply with all the conditions of Environmental Clearance granted for expansion of petrochemical and synthetic organic chemical manufacturing facility at plot no. T-2, MIDC Taloja, Tehsil Panvel, District Raigad, Maharashtra by MoEF&CC vide letter no. J-11011/73/2016-IA-II(I) dated 18.07.2017.

This is to certify that:

- There are no court cases pending against the project till date.
- There are no show cause notices issued by MPCB or pending against the project till date.

For IG PETROCHEMICALS LIMITED

(JK SABOO)  
EXECUTIVE DIRECTOR



15/15