

  
**IG PETROCHEMICALS LIMITED**

Date: 1<sup>st</sup> Dec 2024

**The Director**  
**Ministry of Environment, Forest & Climate Change,**  
**Indira Paryavaran Bhavan, Aliganj, Jorbagh Road,**  
**New Delhi -110 003**

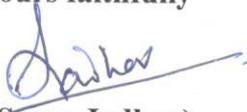
**Sub: Submission of Plasticizer project EC compliance report for the period APR 2024-  
SEPT 2024.**

**Ref.: Environmental clearances granted for expansion of petrochemical unit, by  
MoEF & CC vide file no. IA/MH/IND3/451579/2023 dated 01/05/2023 & EC  
Identification No. EC23A2412MH5245863N received on 16/02/2024.**

Dear Sir,

With reference to the above we are submitting herewith our half yearly compliance status report as per condition stipulated in Environmental Clearance for period of APR-2024 – SEPT 2024. We hope the above is to your satisfaction.

Thanking You,  
Yours faithfully

  
(Sagar Jadhav)  
Executive Director



CC to:

1. The CCF, Regional Office, Western Region, Ministry of Environment, Forests & Climate Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur-440001
2. The Member Secretary, Maharashtra Pollution Control Board, 3rd floor, Kalpataru Point, Sion, Mumbai -400 022.
3. Central Pollution Control Board, Parivesh Bhavan, Opp. VNC Ward office No. 10, Subhanpura, Vadodara-390023.

PLASTICIZER EC Compliance Report APRIL 2024 - SEPTEMBER 2024

<b>Ref</b>	<b>Plasticizer Project EC COMPLIANCE REPORT APR 2024 – SEPT 2024</b>  <b>EC Identification No. EC23A2412MH5245863N File No. IA-J-11011/508/2022-IA-II(I)</b> <b>Dated 16 February2024</b>
<b>To</b>	IG Petrochemicals Ltd, T-2 Part MIDC Talaja
<b>For</b>	Expansion of Petrochemical and synthetic organic chemicals manufacturing facility.
<b>Status</b>	<b>As on 30<sup>th</sup> September 2024 – Under detailed engineering &amp; construction</b>

<b>A.</b>	<b>Specific Conditions:</b>	
<b>i.</b>	Stack of 30 m height shall be provided to gas fired boiler of 850 Kg/hr and gas fired Thermic Fluid Heater (50 Lacs Kcals/hr) and 1000 KVA Generator set	Incorporated in plant detailed engineering
<b>ii.</b>	Total fresh water requirement from MIDC water supply shall not exceed 348KLD	Will be complied
<b>iii.</b>	NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from MIDC water supply. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission	Approval of building plan by MIDC received. <b>Annexure - I</b> Application for additional water requirement submitted to MIDC – <b>Annexure - II</b>
<b>iv.</b>	Total wastewater generation shall not exceed 71 m <sup>3</sup> /day (Trade effluent- 61, Domestic sewage- 10). Total wastewater shall be treated	Will be complied

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	<p>in the ETP comprising of Primary, Secondary and Tertiary treatment. Domestic sewage shall be treated in aeration tank of ETP. Final treated effluent shall be further treated in UF followed by RO. Permeate from RO shall be recycled within facility. RO reject (11 cmd) shall be sent to main plant at Plot T- 2 for treatment in existing MEEATFD which has spare capacity. Condensate from MEE shall be recycled to utilities in main plant plot T-2. Plot T-2 shall maintain. No effluent/treated water shall be discharged outside plant premises and ZLD concept shall be followed.</p>	
v.	<p>PP shall comply with condition stipulated in the No objection certificate for construction of retaining wall for the adjoining nalla at Plot No. T/2 Part, Taloja Industrial Area issued by the Executive Engineer, Raigad Irrigation Department Kolad vide letter dated 6.1.2018. PP shall ensure no effluent /treated effluent is discharged into nearby nalla.</p>	<p>Complied Irrigation department NOC attached <b>Annexure - III</b></p>
vi.	<p>The green belt of at least 10 m-15m width shall be developed over an area of 7314.82, sq. m (within plot- 1501.42 sq. m,, on adjacent OS-44 plot- 5813.40 sq. m.). mainly along the plant periphery. PP shall ensure that greenbelt is maintained on adjacent OS-44 plot and coordinates of the plot shall be provided to the regional office, MoEF&amp; CC. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be</p>	<p>Compliance in process -5813.4 sq. m green belt has been developed. Audited report for April 24-March- 25 will be submitted in the next six-monthly compliance report due on 1<sup>st</sup> June 2025. Project is in initiation stage. Land development is in progress. Budgetary provision for green belt development has been made.</p>

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	replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Greenbelt development shall be completed before commissioning of the plant. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF& CC before 1st July of every year for the activities carried out during previous year	
<b>vii.</b>	Harvested rainwater of 31 cmd shall be stored in raw water tanks and used during monsoon season.	Necessary provision has been made in the plant detailed engineering.
<b>viii</b>	All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either send to common incineration site or send for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet waste shall be converted into compost and	CTE has been obtained from Maharashtra Pollution Control Board & disposal of hazardous waste as per HWM Rules 2016 has been incorporated and will be complied. <b>Annexure - IV</b>

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	used as manure for greenbelt development	
<b>ix</b>	Monitoring of the compliance of EC conditions shall be submitted with third party audit every year.	Will be complied & submitted
<b>x</b>	As proposed, an amount of 190 Lakhs shall be allocated towards CER.	Amount has been provided in project budget
<b>xi</b>	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Environment officials. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Separate Environment Management Team under HoD – Health, Safety & Environment (Master in Environment Management -M.E.M from SIBER Institute. ADIS, CDM) has been formed. Separate Environment Laboratory for monitoring ETP performance has been established. Technical guidance shall be provided by President (Production & Technical Services). Necessary sampling & analysis is conducted by MoEF & CC approved laboratories.
<b>xii</b>	The company shall 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	Necessary budgetary provisions as given in EIA been made in project budget for capital cost and recurring expenses. <b>Annexure -V</b>

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	respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP [9.7Crore (Capital cost) and 88 Lakhs per Annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF & CC before 1st July of every year for the activities carried out during the previous year.	
<b>xiii</b>	No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard	Complied No banned chemicals are manufactured; no raw materials are used.
<b>xiv</b>	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF & CC in this regard.	Necessary system will be developed & annual report will be submitted. Green belt plantation is in progress.
<b>xv</b>	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency	Will be complied Onsite/offsite emergency plan will be prepared before plant commissioning & will be submitted to DISH.

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	<p>plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.</p>	<p>All requirements of Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 will be complied &amp; are incorporated in the plant design during detailed engineering</p>
<b>xvi</b>	<p>The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.</p>	<p>Required systems to control VOC emission have been incorporated in plant design. E.g. Chilled water , Vent condenser and Pump with mechanical seal etc.</p>
<b>xvi</b> <b>i</b>	<p>The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.</p>	<p>Will be complied and requisite statement of inventory plan will be submitted in due course.</p>
<b>xvi</b> <b>ii</b>	<p>The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers &amp; employees</p>	<p>Existing OHC services from T - 2 plot will be extended to T - 2 Part plot.</p>

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	shall be provided with required safety kits/mask for personal protection	
<b>xvi</b> <b>x</b>	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies	Regular training will be given to all employees
<b>xx</b>	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms	Will be complied. Fire NOC will be obtained from local body-MIDC
<b>xxi</b>	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	Requisite requirements have been incorporated in plant layout during detailed engineering
<b>xxi</b> <b>i</b>	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use	Requisite systems like closed system, Automated filling , venting through adequate heat transfer area/ chilled water vent condensers have been incorporated in the plant & process design

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	of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation	
<b>xxi ii</b>	The project proponent shall comply with the environment norms for 'synthetic organic chemicals' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.	Process and plant have been designed to meet specifications of GSR608(E)
<b>xxi v</b>	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places	Adequate provision has been made in the plant layout as per the rules.
<b>xxv</b>	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass/coal shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in	Requirements Incorporated in plant design during detailed engineering

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	case of operational failure of Air Pollution Control Equipment	
<b>xxv</b> <b>i</b>	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 12 <sup>th</sup> August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly	Project is in implementation phase, considered in plan and will be implemented before 31 <sup>st</sup> Mar 2025.
<b>xxv</b> <b>ii</b>	As proposed, PP shall comply with the following mitigation measures as Per Ministry's Office Memorandum 31 <sup>st</sup> October, 2019 regarding Projects located in Critically Polluted Area	Compliance report to OM have been submitted along with EC application. Attached as <b>Annexure -VI</b>

<b>B.</b>	<b>General Conditions:</b>	
<b>i.</b>	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures	Agreed and will be complied

**I. G. Petrochemicals Ltd. Plot T2/part**

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	required, if any.	
<b>ii.</b>	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Will be complied
<b>iii.</b>	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment	LED based lighting considered
<b>iv.</b>	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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic enclosure will be provided to power generator Set. Noise will be periodically monitored through MOEF approved laboratory
<b>v.</b>	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall	Company is involved in social project under CSR. Statement to be attached. <b>Annexure - VII</b>

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	undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment	
vi.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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	EMP budget will be prepared and funds earmarked will be utilized for environment management/ pollution control measures only.
vii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied EC copy submitted to Panvel Municipal Corporation on 23 <sup>rd</sup> February 2024 <b>Annexure - VIII</b>
viii.	The project proponent shall also upload/submit six monthly reports on PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF &CC, 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	Will be complied EC copy uploaded on web site <a href="https://www.igpetro.com/sustainability/">https://www.igpetro.com/sustainability/</a> <b>Annexure - IX</b>

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<p><b>ix.</b></p>	<p>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 Integrated Regional Office of MoEF&amp;CC by e-mail</p>	<p>Environmental statement is submitted in the month of September annually is incorporated in EC compliance report which is also uploaded in website. <b>Annexure - X</b></p>
<p><b>x.</b></p>	<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 and at <a href="https://parivesh.nic.in/">https://parivesh.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>The advertisement in English and Local language (Marathi) was published on 24<sup>th</sup> February I following news papers Free Press Journal- In English Daily Navshakti- In Marathi <b>Annexure - XI</b> Copy submitted to RO Nagpur. <b>Annexure - XII</b> Copy of EC was submitted to Maharashtra Pollution Control Board on 24<sup>th</sup> February <b>Annexure -XIII</b></p>
<p><b>xi.</b></p>	<p>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</p>	<p>The project start date is 23 March 2024 Project is in implementation phase.</p>

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<b>xii.</b>	This Environmental clearance is granted subject to final outcome of Hon’ble Supreme Court of India, Hon’ble High Court, Hon’ble NGT and any other Court of Law, if any, as may be applicable to this project.	Agreed
<b>xiii.</b>	Based on the recommendations made by EAC (Industry-3) in its 73rd EAC meeting held on 16-17th Jan 2024, Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for “Proposed addition of Synthetic Organic Chemical Manufacturing facility (by establishing new plasticizer manufacturing) with production capacity of 75000 MTPA located at Plot No. T-2/part, Taloja MIDC, Taluka- Panvel, District Raigad, Maharashtra by IG Petrochemicals Limited” under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at Annexure-1. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Agreed
<b>xiv.</b>	The project proponent shall prominently	Complied

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	advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.	The advertisement in English and Local language (Marathi) was published on 24th February following newspapers Free Press Journal- In English Daily Navshakti- In Marathi <b>Annexure -XI</b> Copy submitted to RO Nagpur <b>Annexure - XII</b>
xv.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied EC copy submitted to Panvel Municipal Corporation on 23rd February2024 <b>Annexure -VIII</b> Copy of EC was submitted to Maharashtra Pollution Control Board on 24th February <b>Annexure -XIII</b>
xvi.	The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions	IGPL environmental policy attached <b>Annexure -XIV</b>
xvii.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be	EMP as per EC conditions during Construction phase is attached as <b>Annexure -XV</b>

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	prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report	
<b>xviii</b>	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed
<b>xix</b>	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Agreed

## INDEX

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ANNEXURE-II	: APPLICATION FOR ADDITIONAL WATER REQUIREMENT
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ANNEXURE – IV	: CONSENT TO ESTABLISH
ANNEXURE – V	: CER BUDGET
ANNEXURE – VI	: COMPLIANCE OF OFFICE MEMORANDUM
ANNEXURE – VII	: CSR EXPOENSES
ANNEXURE - VIII	: EC SUBMITTED LETTER TO PMC
ANNEXURE - IX	: IGPL WEB SITE SNAPSHOT
ANNEXURE - X	: ENVIRONMENT STATEMENT FY-2023-2024
ANNEXURE – XI	: ADVERTISEMENT
ANNEXURE – XII	: EC COPY SUBMITTED TO NAGPUR
ANNEXURE – XIII	: EC COPY SUBMITTED TO MPCB
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ANNEXURE – XV	ENVIRONMENT MONITORING PLAN

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION  
(A Government of Maharashtra Undertaking)



No. DE/SPA/TLJ/T-2 Part / I / 75236 / of 2024,  
Office of the Deputy Engineer MIDC,  
Water Supply & SPA Sub Dn  
Taloja, Dist. Raigad  
Ph No 022-27402459  
E- mail: - [detalojaws@midcindia.org](mailto:detalojaws@midcindia.org)  
Date:- 09/09/2024

To,  
M/s. I. G. Petrochemicals Limited.  
MIDC, Plot No.T-2 (Part),  
Taloja Industrial Area, Tal :-Panvel, Dist :Raigad

**Sub.:- Taloja Industrial Area....**

Approval to Combined Building Plans and Drainage Plans for proposed Factory Building on Plot No T- 2 (Part) in Taloja Industrial Area for M/s I. G. Petrochemicals Limited.

- Ref.:-** 1)Tracking Id: SWC/13/521/20240720/996176  
2) Provisional Fire NOC issued by Chief Fire Officer & Fire Adviser, MIDC vide MIDC/Fire/I/74285 dt 03/09/2024.  
3) OC issued vide letter no.A24357 dt.15/05/2024.  
4) Demolish permission issued vide letter No.I/ 65956 dt.11/7/2024

Dear Sir,

You have submitted combined application for Approval Building Plan and Drainage Plan for proposed Factory Building. Above applications are examined and following approvals are hereby granted.

**A] Building Plan Approval**

Since you have paid following .....

Sr. No	Scrutiny Fees Rs.	Development charges Rs.	Labour Cess Rs.	Initial Fire protection fees	Compound wall Rs.	Total	Receipt No.
1	46461.32	1393811.28	0.00	0.00	295.00	1440567.60	GL25225255 Dt.16/08/2024
2	46460.14	854871.066	0.00	1709342.10	295.00	253451.12	GL23528109 Dt.23/01/2023

The set of plans, received from you vide SWC number cited above, is hereby approved subject to acceptance and follow up of following conditions by you.

- 1) You had submitted plans and drawings for 4434.599 m<sup>2</sup> of proposed plinth area for the plot area of **17150.00 m<sup>2</sup>.**, this office has approved plans for total upto date 11879.097 m<sup>2</sup>. of built up area. This office has approved **06 Nos.** of drawing details of which are mentioned on the accompanying statement.

**AVINASH  
TUKARAM  
GADHADE**

Digitally signed by AVINASH  
TUKARAM GADHADE  
DN: c=IN, o=Maharashtra Industrial  
Development Corporation, ou=SPA  
and WATER SUPPLY SUB DN  
TALOJA,  
2.5.4.20=eb300ad4c1de7256a306c  
bf1c6deba3bd6908d53155d1a13ea  
066bf847bbc238, st=Maharashtra,  
serialNumber=c8f0493b464119c31  
dde0290b0ee89810c9e8b48f07f553  
cac29117354345974, cn=AVINASH  
TUKARAM GADHADE  
Date: 2024.09.09 15:36:49 +05'30'

- 2) The BCC issued vide letter no I/ 65956 dt.11/07/2024 dated 02/03/2020 for Built Up Area 7565.89 m<sup>2</sup> , this office issue demolish permission vide letter no.I/65956 dt.11/07/2024 , area retained 4004.45 Sqm & this approval is treated as combined building plan approval.
- 3) In addition, to this approval the plot holder shall obtain approval for plans from other requisite authorities as per necessity, such as from :-
  - i) Directorate of Industrial Safety & Health.
  - ii) Any other Govt. authorities which may be mandatory.
- 4) You will have to obtain Environment Clearance Certificate before Commencement of any construction activities, if applicable to their project as per the notification issued by MoEF, Govt. of India vide Notification issued by MoEF, New Delhi dtd.14/09/2006 and its subsequent amendments'.
- 5) You are requested to submit certified copies of above approvals from the concerned authorities to this office, in triplicate before any work is started OR within three months from the date of issue of this letter whichever is earlier.
- 6) For the sanitary block, overhead water storage tank shall be provided at the rate of 500liter per W.C. or Urinal.
- 7) For necessary approach road to the plot from the edges of MIDC. Road, 900 mm dia CD works or a slab drain of required span and size shall be provided.
- 8) Temporary structures shall not be allowed except to during construction period (after obtaining prior approval from Deputy Engineer & SPA, W/s Sub Dn Taloja.) and the same shall be demolished immediately after building work is completed.
- 9) During the period of construction, stacking of materials shall be done only in the area of plot allotted. In no case, material be stacked along MIDC, road land width/open plot area.
- 10) The marks demarcating boundary of the plot shall be preserved properly and kept in good condition and shown to department staff as and when required.
- 11) No tube well, bore well or open well shall be dug.
- 12) Plans for any future additions, alterations or extensions will have to be got approved from this office, as well as from concerned competent authority.
- 13) The present approval to the plans does not pertain to approval to the structural design, RCC members, foundations etc. It is only locational approval to the layout of various structures & floors with reference to the plot, in accordance to MIDC DCR.
- 15). In case any power line is passing through the plot, the plot holder should approach MSEDCL and obtain their letter specifying the vertical and horizontal clearance to be left and plan his structures accordingly.
- 16). The compound wall gate should open inside the plot and if the plot is facing on two or more sides of the road then gate shall be located at least 15 m. away from the corner of junction or roads.

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- 17). Plot holders shall make his own arrangement for 24 hours of storage of water, as uninterrupted water supply cannot be guaranteed.
- 18) In case, water stream/ nalla is flowing through the allotted plot, the plot holder has to ensure that the maximum quantity of rain water that flows at the point of entry of stream is allowed to flow uninterruptedly through the plot and upto the point of out flow of the original stream. The points of entry and exit of the natural stream shall not be changed. The detailed plans section and design for allowing maximum expected discharge of rainwater through the plot have to be furnished to this office and no filling of plot and diversion of nalla is allowed unless a written permission is obtained from the Deputy Engineer & SPA, W/s Sub Dn Taloja.
- 19).This permission stands cancelled, if no construction work is started within twelve months from the date of issue of this letter. The date of starting construction work and date of completion shall be informed to the Deputy Engineer & SPA, W/s Sub Dn-Taloja In-charge immediately.
- 20).Breach of any rules stipulated will render the plot -holder liable for action as provided in MIDC., Act 1961 ( II of 1962 and regulations made there under) and also terms of lease agreement and schedule of penalties prescribed by the Corporation for this purpose.
- 21).This office is empowered to add, amend, vary or rescind any provisions of Building Rules & regulations from time to time as it may deem fit, and the plot-holder has to be abide by these rules and regulations.
- 22).As soon as the building work is completed, the plot-holder shall approach to the concerned Deputy Engineer (SPA), to get the work verified and building shall not be occupied unless building completion certificate and occupancy certificate is obtained from this office.
- 23).The plot-holder within a period of one year from the date of agreement to lease shall plant at least one tree per 100 Sq. m. of plot area along the periphery of the plot. In addition, he shall also plant one tree per 15 m. on the frontage of road or part thereof inside the plot and maintain the trees so planted in good condition throughout the period of agreement to lease.
- 24)The basement if provided is to be used only for storage purpose. No Manufacturing activates are allowed, similarly toilet is not allowed at the Basements.
- 25).The Name and plot number shall be displayed at main entrance of plot.
- 26).The plot holder shall construct ETP as per consent of MPCB & treat & dispose effluent as per MPCB Consent to establish & operate.
- 27). The plot holder shall ensure that, the foundation of the building / structure shall rest on the firm strata and not on made up / filled ground. The Architect and structural consultant appointed by the owner will be solely responsible for this condition

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28) MIDC issues permission for development of plots which are situated on river banks, adhering to the contents of the River Policy dt.13th July 2009 and as per category of Industries. PIL No. 17 of 2011 is filed against this policy at the Hon'ble High Court Bombay. It is clarified that, grant of any permission by the MIDC to any new industry in industrial estate situated on river banks will be subject to any further orders which may be passed by Hon'ble High Court, Bombay under PIL No. 17 of 2011.

29) Since you have consumed 0.69 of FSI as per the approved plan, you are requested to utilized remaining FSI as per agreement to lease.

This building plan approval is with respect to planning point of view and in accordance to MIDC's Development Control Rules, since MIDC is Special Planning Authority (SPA) for this Area.

### **B) Drainage Plan Approval (Internal Works)**

The set of plans in triplicate received along with the letter under reference for the above work is scrutinized the proposal is approved subject to condition as follows:

- 1) The work of internal and external water supply and sanitary fittings etc for the above building shall be carried out through the a licensed plumber registered at local authority or of Environmental Engineering Department, or Govt. of Maharashtra.
- 2) The work should be carried out as per specifications confirming to I.S.S. In case they are not covered under I.S.S. then standard practice allowed by Municipal Corporation / or Local Council shall be followed.
- 3) The wastewater from water closets and urinals shall be passed through a septic tank of standard design.
- 4) The present approval to the plans does not pertain to the design of septic tank, Effluent treatment plant etc. It is only location approval to these structures with reference to the plot.
- 5) You will be allowed to join your effluent to MIDC's common effluent collection System only after obtaining of necessary N.O.C. from M.P.C. Board and actual Commissioning of pretreatment activity the factory effluent will be allowed to connect to MIDC system.
- 6) Overhead water tank shall be provided at the rate of 500 Litters per W.C./ Urinal provided.
- 7) The waste water from the closets and Urinals shall be passed through the septic tanks, which is to be adequate to meet the requirements of the persons working in the factory and process waste if any, prior to septic tank in series with suitable size of 100mm dia sewer trap, inspection chamber with 80 mm dia vent pipe shall be provided.
- 8) All vent pipes shall be minimum 80 mm dia size.
- 9) All rain water down take pipes shall be minimum 100 mm dia and should be provided at the rate of 1 Nos. Per 25 Sq. m. of roof area.

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- 10) All S.W. pipes shall be minimum of 150 mm dia size.
- 11) It should be seen that no overflow of water from the soak pit or any process waste enters in to adjoining property or road.
- 12) Rain water pipes are not to be connected to underground effluent collection system. Separate drainage system shall be provided for collection of Industrial and Domestic wastes. Manholes shall be provided at the end of collection system with Arrangements for measurement of the flow.
- 13) In case any of the requirements, stated as above is violated by the plot holder then he is liable for disconnection of water supply and is liable for action provided under \ MIDC., Act and various regulations and as per provision in the lease agreement.
- 14) The completion of work as per above requirements, it shall be jointly, inspected by the concerned Deputy Engineer, of MIDC and your representative who has designed and executed work, without which drainage completion certificate will not be issued.
- 15) The waste water after treatment shall be soaked in a soak pit, if sewer line is not available for the plot, whereas if effluent collection system, of MIDC is functioning, then effluent shall be connected to the same after getting drainage plans approved from this office. The effluent shall be out letted only after pretreatment confirming to the standards stipulated by Maharashtra Pollution Control Board of Govt. of Maharashtra and after obtaining their consent under water Act 1974, Air Act 1981, & Hazardous waste Rules 2008 and subsequent amendments.

You are hereby requested to go through above approvals carefully along with the terms & conditions in respect of each approval and take necessary actions accordingly in complying the same scrupulously.

Thanking you.

Yours faithfully,

- DA:-1. One Statement showing details of drawings and built up area approved.  
2. Copy of approved drawings/plans.

**AVINASH  
TUKARAM  
GADHADE**

Deputy Engineer &  
Special Planning Authority  
MIDC, W/s Sub Division Taloja.

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1. Copy submitted to the Executive Engineer, MIDC Division Dombivali for favour of information please.
2. Copy submitted to the Regional Officer, MIDC Regional office Panvel for favour of information please.
3. Copy f.w.c.'s to Architect Mr. Madhav Rajaram Kashelkar, 410412, 4<sup>th</sup> Floor, Globe Arcade, Besides MIDC Ganesh Mandir, Dombivli, MIDC, Dombivli ( East)- 421203 for information.
4. Copy to Guard file.

**AREA STATEMENT FOR REVISED PLAN APPROVAL**

This statement is accompanied to letter No. SDTLJ-WS /T-2 Part / I/75236 / 2024 , dated **09/ 09 / 2024** , issued by the Deputy Engineer, MIDC, Water Supply & SPA Sub Division, Talaja addressed to. M/s. I. G. Petrochemical Limited , for **Plot No.T-2 Part** , in Talaja Industrial Area., **ALLOTTEE'S NAME:- M/s. I G Petrochemical Limited** for the **Plot No.T-2 Part**, in Talaja Industrial Area., **Plot Area: 17150.00 sqmt**  
**Tracking I.D : SWC/13/521/20240720/996176.**

Sr. No.	Drawing no Date	Description	Ground Floor	First Floor	Addi. height 50 % Extra	Mezza. Floor	Second floor	Third floor	Total built up Area
1.		BCC issued vide letter no MIDC/DE/SPA/TLJ/ A-82012/2020 dated 02/03/2020	1596.41	1587.63	854.71	0.00	0.00	0.00	4038.75
2		Demolition proposed in this approval.	-34.30	0.00	0.00	0.00	0.00	0.00	-34.30
(A)		Area Retained from BCC/ Occupancy issued	1562.11	1587.63	854.71	0.00	0.00	0.00	4004.45
3		Previously Approved plan vide letter no A 31861 dt. 25/01/2023.				0.00	0.00	0.00	
		1) A-1( Onshore Shed )	366.00	0.00	183.00	0.00	0.00	0.00	549.00
		2) B-1 ( Peb Shed )	2008.30	0.00	1004.15	0.00	0.00	0.00	3012.44
		Total Update date approval ( 3)	2374.30	0.00	1187.15	0.00	0.00	0.00	3561.44
4.		OC issued vide letter no.A24357 dt.15/05/2024.	1562.11	1587.63	854.71	0.00	0.00	0.00	4004.45
			2374.30	0.00	1187.15	0.00	0.00	0.00	3561.44
		Total Update Area for OC	3936.41	1587.63	2041.86	0.00	0.00	0.00	7565.89
5.		Demolish permission granted vide letter no. I/65956 dt.11/07/2024.	(-) 2374.30	0.00	(-) 1187.15	0.00	0.00	0.00	(-) 3561.44
6.		Area retained after demolish ( 6)	1562.11	1587.63	854.71	0.00	0.00	0.00	4004.45
7.		Area Proposed							
		Building (A)	1614.622	1243.359	0.00	267.846	1191.519	737.319	5054.67
		Building ( B)	2819.977	0.00	0.00	0.00	0.00	0.00	2819.977
		Total Proposed area (7)	4434.599	1243.359	0.00	267.846	1191.519	737.319	7874.647
8.		<b>Total Update Built Up Area.(6+7)</b>	<b>5996.709</b>	<b>2830.989</b>	<b>854.71</b>	<b>267.846</b>	<b>1191.519</b>	<b>737.319</b>	<b>11879.097</b>

Area of the Plot. = 17150.00 Sq.mt.  
 Ground plinth Area. = 5996.709 Sq.mt.  
 Total Built Up area. = 11879.097 Sq.mt.  
 FSI Consumed. = 11879.097 /17150.00 = 0.69 < 1.00 Ok

**AVINASH  
TUKARAM  
GADHADE**

Deputy Engineer & Special Planning Authority  
 MIDC, W s Sub Division Talaja

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# IG PETROCHEMICALS LIMITED

Ref : IGPL/SJ/2024/PLZ

Date : 29.07.2024

The Dy. Engineer  
Maharashtra Industrial Development Corporation  
MIDC, SPA & W/S Sub-Division  
Taloja, Dist. Raigad

Dear Sir,

Ref : Our letter No.IGPL/SJ/2024/PLZ dtd. 23.02.2024 &  
Our letter No.IGPL/SJ/2024/PLZ dtd. 18.06.2024

With reference to the above letters, this is to inform your good office that we are in the process to initiate the activities of Plasticizer Project at our Plot No.T-2/Part. Presently, we have the water connection of 15 mm pipeline and are receiving the MIDC water to the tune of 06 M<sup>3</sup> as per our previous Consent to Operate for the Repackaging Unit.

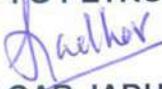
Now as per Consent to Establish No.Format1.0/CAC/UAN 0000187615/CE/2403001659 dtd. 17.03.2024 issued by Maharashtra Pollution Control Board, Mumbai, (copy enclosed), the water requirement for the project is **385.50 M<sup>3</sup>/per day** and therefore, we request you to kindly enhance capacity of pipe from 15 mm to higher size enabling us to receive the requisite water for the above mentioned project.

We are also enclosing herewith the previous Water Agreement for your ready reference.

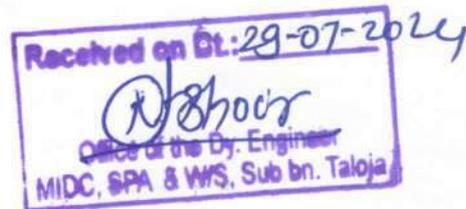
Kindly let us know the applicable charges to be paid for increase in the pipe line size enabling us to pay it in advance.

Thanking you,

Yours faithfully,  
For IG PETROCHEMICALS LIMITED

  
(SAGAR JADHAV)  
EXECUTIVE DIRECTOR

Encl : As above





o/c

# IG PETROCHEMICALS LIMITED

Ref : IGPL/SJ/2024/PLZ

Date : 14.08.2024

The Dy. Engineer  
Maharashtra Industrial Development Corporation  
MIDC, SPA & W/S Sub-Division  
Taloja, Dist. Raigad

Dear Sir,

**Sub : Your letter No.DE/TLJ/SPA/II/70224/ of 2024 dtd. 09.08.2024.**

**Ref : Our letter No.IGPL/SJ/2024/PLZ dtd. 23.02.2024 & 29.07.2024.**

We are in receipt of your letter as mentioned above. We are herewith submitting the details required herein as under :

We would like to intimate to your good office that the Environment Clearance from Ministry of Environment, Forest & Climate Change (MoEFCC), New Delhi vide File No. IA-J-11011/508/2022-IA-II(I) dtd. 16.02.2024 for our proposed addition of Synthetic Organic Chemical Manufacturing facility (by establishing new Plasticizer manufacturing) project named as Plasticizer at Plot No.T-2/Part, MIDC, Taloja has been submitted to your good office on 01.03.2024 (copy enclosed). As per the Environmental Clearance granted to us, we bring to your kind attention to page No.7 of 20, environmental component Sl.No.2 of 4.

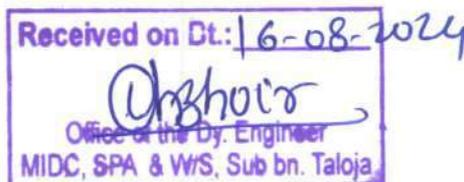
Quote .....

4. **ZERO Liquid Discharge wherever techno-economically feasible.**

Permeate from RO (60 CMD) will be recycled within facility. No discharge to CETP from Plot T-2/part.

RO reject (11 CMD) will be sent to main plant at Plot T-2 and will be treated in existing MEE- ATFD which has spare capacity. Condensate from MEE will be recycled to utilities in plot T-2.

....Unquote.



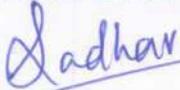
: 2 :

Therefore, in light of the above, there will be ZERO discharge to CETP from plot No. T-2/part and so the membership of CETP specifically for plot No.T-2/Part is not applicable.

Also we are enclosing herewith the Article of Association for ready reference and records.

Thanking you,

Yours faithfully,  
**For I G PETROCHEMICALS LIMITED**



**(SAGAR JADHAV)  
EXECUTIVE DIRECTOR**

Encl : As above



## कार्यकारी अभियंता,

रायगड पाटबंधारे विभाग, कोलाड, ता.रोहा, जि.रायगड. पिन नं.४०२ ३०४.

दूरध्वनी क्र.०२१९४ - २५०८५७, Email ID:- eerid28@gmail.com

कृपया जलसंपदा विभागाच्या संकेत स्थळास भेट द्या ➔ <http://wrd.Maharashtra.gov.in>

जा.क्र.रापावि/ प्रशा-२/ एन.ए./ २१२८ / सन २०२४.

दिनांक. १० / ०६ / २०२४.

प्रति,

मे. आय. जी. पी. एल.,  
मौजे. तळोजा,  
ता. पनवेल, जि. रायगड.

**विषय:-** Permission to lay utilities through nallah across the road from Plot No. T-२ to Plot No. T-२/Part for our upcoming Plasticizer Project.

**संदर्भ:-** १. आपला दि.०१/०६/२०२४. रोजीचा अर्ज.  
२. पाटबंधारे उपविभाग, कर्जत कार्यालयाचे पत्र जा.क्र. पाउवि/ प्रशा/७९३ / सन २०२४, दि.०७/०६/२०२४.

उपरोक्त संदर्भिय विषयान्वये मौजे तळोजा (MIDC), ता. पनवेल, जि. रायगड येथील प्लॉट नं. T-१, T-२, T-२/१, V-११, V-१२, V-१३, V-१४ आणि V-या मिळकतीमध्ये कंपनी आहे. सदर कंपनीचे T-२/Part मध्ये नवीन Plasticizer Product तयार करण्याचे नियोजन आहे. परंतु त्यासाठी आवश्यक Raw Water, DM water, Fire Water, Steam, Condensate, RO Reject, Spare Raw Water, Spare Steam Line या प्रकारचे पाणी हे T-२ प्लॉट मध्ये उपलब्ध आहे. परंतु प्लॉट T-२ ते T-२/Part हा MIDC च्या रस्त्याने दुभागलेला आहे. त्यामुळे सदर प्लॉट लागुन असलेल्या नैसर्गिक नाल्यातुन सदर पाईप लाईन टाकण्याकरीता परवानगी मिळणेबाबतचे पत्र संदर्भिय पत्र क्र. १ नुसार प्राप्त झाले आहे.

याबाबत संदर्भिय पत्र क्र. २ अन्वये उपविभागाने प्रत्यक्ष क्षेत्रिय स्थळ पाहणीकरुन अहवाल सादर केलेला आहे. त्याअनुशंगाने शासन निर्णय विचारात घेऊन या कार्यालयाचा अभिप्राय खालीलप्रमाणे कळविण्यात येत आहे.

१. सदरील प्रस्तावित जागा या विभागांतर्गत असलेल्या कोणत्याही योजनेच्या लाभक्षेत्रामध्ये येत नाही व भविष्यकालीन योजनेत समाविष्ट नाही.
२. मौजे तळोजा, ता. पनवेल, जि. रायगड येथील प्लॉट नं. T-१, T-२, T-२/१, V-११, V-१२, V-१३, V-१४ आणि V-४५ क्षेत्राचे अक्षांक- १९° ०५' २५.४०"N, रेखांक- ७३° ०७' ३२.५"E आणि अक्षांक- १९° ०५' १८.५"N, रेखांक- ७३° ०७' ३२.५"E असे आहेत.
३. प्रस्तावित क्षेत्र हे MIDC तळोजा यांच्या अंतर्गत आहे.

४. प्रस्तावित क्षेत्र हे नैसर्गिक स्थानिक नाल्याच्या डाव्या बाजूला लागुन आहे.
५. प्रस्तावित पाईपलाईन ही नाल्यावरील अस्थित्वातील पुलाखालुन २० मी. व नाल्याच्या लगत असलेल्या संरक्षण भिंतीवरुन १६० मी. खालीलप्रमाणे ८ पाईपलाईन टाकण्याचे नियोजन आहे.
  - Raw Water- ४” (१००NB)
  - DM water- १ ½” (४०NB)
  - Fire Water- १२” (३००NB)
  - Steam -४” (१००NB)
  - Condensate – ३” (८०NB)
  - RO Reject – २”
  - Spare Raw Water – ४”
  - Spare Steam Line – ४”
६. अर्जदाराने मालकी क्षेत्र हद्द निश्चितीसाठी प्रत्यक्ष क्षेत्रावर संबंधित भूमी अभिलेख कार्यालयाकडून करुन घेण्यात यावी.  
जलसंपदा विभागाने पुररेशा आखुन देण्याच्या दृष्टीने संबंधीतांना लाल व निळी रेषा संदर्भात अभिप्राय खालीलप्रमाणे देण्यात येत आहे.
१. ज्या ठिकाणी कंपनीची प्रस्तावित पाईपलाईन स्थानिक नैसर्गिक नाला ओलांडते त्या ठिकाणची स्थापत्य कामे कंपनी स्वतःच्या खर्चाने करेल व नाला पुर्ववत करुन देणे कंपनीस बंधनकारक राहिल.
२. सदरची प्रस्तावित पाईपलाईन ही नैसर्गिक स्थानिक नाल्यातुन टाकायची असले कारणाने नाला प्रदूषण होणार नाही वा नुकसान होणार नाही, याची सर्वस्वी जबाबदारी कंपनीची राहिल.
३. अचानक प्रस्तावित पाईपलाईनमधून गळती/तुटफूट झाली व त्यामुळे तिच्या दुरुस्तीसाठी नुकसान टाळणेसाठी नाला बंद झाल्यास व त्यामुळे शेतकऱ्यांचे सिंचन/बिगरसिंचन पाणीवापर संस्थेचे काही नुकसान झालेस याची संपूर्ण जबाबदारी कंपनीची राहिल.
४. भविष्यात नैसर्गिक स्थानिक नाल्याची दुरुस्ती करावी लागली किंवा वाढ विस्तारत्यासाठी प्रस्तावित पाईपलाईन बंद ठेवावी लागेल/काढावी, बदलावी लागेल.
५. नाल्याच्या पात्राचे किनाऱ्यास व लगतच्या नाल्याच्या पात्राच्या किंवा खाजगी क्षेत्रास, कोणत्याही प्रकारची बाधा/अडथळा होता कामा नये.
६. अकृषिक केल्यास बिगर सिंचन मागणीसाठी हक्क सांगता येणार नाही अथवा मागणी केल्यास ती मान्य करणे जलसंपदा विभागास बंधनकारक असणार नाही.
७. प्रस्तावित क्षेत्रालगतच्या नैसर्गिक नाल्यांचा प्रवाह बदलता येणार नाही. तसेच त्यात कुठल्याही प्रकारचा कचरा, सांडपाणी, रासायनिक द्रव्ये मैला इत्यादी टाकता येणार नाही. तसेच कुठल्याही प्रकारचा अडथळा, भराव करता येणार नाही.

८. नैसर्गिक नदीच्या/ नाल्याच्या/ ओढ्याच्या बाजूस सरकारी हद्द सोडून खाजगी मालकीच्या क्षेत्रात कुंपण करण्यात यावे.
९. सरकारी मालमत्तेची कुठल्याही प्रकारे नुकसान होणार नाही याची काळजी घेण्यात यावी.
१०. तसेच सदरील क्षेत्रासाठी इतर कोणत्याही शासकीय यंत्रणेची जागा/मालकी असल्यास संबंधित विभागाची परवानगी घेण्यात यावी.
११. भविष्यात सदरच्या क्षेत्रातील विकास कामे किंवा प्रकल्पाचे कुठलेही सांडपाणी, इतर जमिनीमध्ये, तलावामध्ये तसेच स्थानिक नाल्यामध्ये सोडून पाणी प्रदुषित होणार नाही, याची संबंधित अर्जदाराने खबरदारी घ्यावयाची आहे.
१२. पाणी वापरासाठी रेनवॉटर हार्वेस्टिंग तसेच सांडपाण्यावर प्रक्रिया करून त्याचा पुनर्वापर करणे किंवा महाराष्ट्र प्रदुषण नियंत्रण महामंडळाने दिलेल्या विहित निकाषापर्यंत त्यांचे शुध्दीकरण करून योग्य विल्हेवाट लावण्यात यावी. त्याची संपूर्ण जबाबदारी संबंधित अर्जदाराची/ मालकाची राहिल.
१३. संबंधितांनी सादर केलेल्या ७/१२ उतारे, ८अ, मालमत्ता पत्रक, मोजणी नकाशा, गांव नकाशा प्रमाणे सदरील अभिप्राय सादर करण्यात येत आहे. सदरील कागदपत्रे अवैध आढळल्यास सदरील अभिप्राय रद्द समजण्यात यावे.
१४. शासनाने वेळोवेळी लागू केलेल्या सुधारीत अटी लागू राहतील, अटी व शर्तीचा भंग झाल्यास योग्यती कायदेशीर कारवाई करण्याचे व अभिप्राय/ परवानगी रद्द करण्याचे अधिकार या विभागास राहतील.
१५. तसेच शासनाने वेळोवेळी या संदर्भात निर्गमित केलेले आदेश/ परिपत्रक लागू राहतील. वरील सदर अटी अर्जदाराला मान्य असल्याबाबत लेखी हमी पत्र या विभागीय कार्यालयास सादर करणे अनिवार्य आहे. वरील सर्व अटींच्या अधिन राहून या विभागाची ना हरकत कळविण्यात येत आहे.

  
 ( इंजि. मिलींद पवार )  
 कार्यकारी अभियंता,  
 रायगड पाटबंधारे विभाग,  
 कोलाड.

प्रत:- उपविभागीय अभियंता, पाटबंधारे उपविभाग, कर्जत यांना माहितीसाठी रवाना.

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd, 3rd  
and 4th floor, Opp. Cine  
Planet Cinema, Near Sion  
Circle, Sion (E),  
Mumbai-400022

RED/L.S.I (R22)  
No:- Format1.0/CAC/UAN  
No.0000187615/CE/2403002479

Date: 23/03/2024

To,  
I G Petrochemicals Ltd.,  
Plot No T-2/part,Taloja Industrial Area, MIDC,Taloja,  
Tal. & Dist Raigad-410208.



**Sub: Consent to Establish for expansion to manufacturing of Plasticizers (Synthetic Organic Chemical), under RED category.**

- Ref:**
1. Earlier Renewal of Consent to Operate vide No:- Format1.0//UAN No.0000132493/CR/CR/2203001624 dated 30.03.2022 valid up to 31.03.2027.
  2. Environmental Clearance granted vide letter EC23A2412MH5245863N dtd. 16/02/2024.
  3. Minutes of 21st CAC meeting held on 07.02.2024.

Your application No.MPCB-CONSENT-0000187615 Dated 13.11.2023

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.171 Crs. (As per undertaking submitted by pp Existing-Rs. 9.7726 Crs. + Expansion/Increase in C.I. - Rs. 171 Crs.)**
3. **Consent is valid for the manufacture of:**

<b>Sr No</b>	<b>Product</b>	<b>Maximum Quantity</b>	<b>UOM</b>
Products			
1	Di- Octyl Phthalate (DOP)	30809	MT/A
2	Di- Butyl Phthalate (DBP)	5283	MT/A
3	Di- Iso Butyl Phthalate (DIBP)	12327	MT/A
4	Di-Iso Nonyl Phthalate (DINP)	26331	MT/A
5	Di-Iso Octyl Phthalate (DIOP)/ Di-Iso Decyl Phthalate (DIDP)/ Di- Octyl Maleate (DOM)/ Di- Butyl Maleate (DBM)/ Di- Octyl Terephthalate (DOTP)/ Tri-Octyl Trimellitate (TOTM)/ DI- Octyl Adipate (DOA)/ Di- Isononyl Adipate (DIDA)	250	MT/A



Sr No	Product	Maximum Quantity	UOM
By Products			
6	Monoester Salt (By-product)	2000	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	61	As per Schedule-I	Treated in ETP & RO. RO permeate (60 cmd) to be recycled within proposed plot T-2 part. RO reject (11 cmd) will be sent to MEE in IGPL unit in - Plot T2. MEE condensate will be fully recycled in Plot T2. Overall unit will be Zero Liquid Discharge
2.	Domestic effluent	9.8	As per Schedule-I	To be treated in ETP

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	1	Thermic Fluid Heater 50LKcal/hr	1	As per Schedule -II
2	2	D. G Set. (1000 kVA)	1	As per Schedule -II
3	3	Stand by boiler 850 kg/hr	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Debris generated during structure demolition	100	MT	NA	To allocated site by MIDC
2	Civil Debris generate during civil excavation	400	MT	NA	To allocated site by MIDC
3	Biological sludge from ETP	72	MT/A	NA	Landfill
4	Debris during maintenance	12	MT/A	NA	Sale

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.2 Wastes or residues containing oil	2	MT/A	Incineration	CHWTSDF
2	5.1 Used or spent oil	2	MT/A	Incineration/ Recycle	Sale to authorised party / CHWTSDF

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
3	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2.5	MT/A	Incineration/ Recycle	Sale to authorised party / CHWTSDF
4	36.2 Spent carbon or filter medium	150	MT/A	NA	CHWTSDF
5	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1000	Nos./Y	Incineration/ Recycle	Sale to authorised party / CHWTSDF
6	35.3 Chemical sludge from waste water treatment	25	MT/A	Landfill	CHWTSDF
7	3.3 Sludge and filters contaminated with oil	5	MT/A	Incineration	CHWTSDF

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	Battery waste	10.00	Kg/M	Sale to Authorized recycler.

**Specific Conditions for used Batteries:**

- i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
- ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Conditions under Plastic Waste Management Rules, 2016 (Notification dtd. 18/03/2016):**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	Plastic waste	100.00	Kg/M	Sale to Authorized recycler.

10. **Conditions under E-Waste Management:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	IT telecom/ Electrical, Electronic waste	100.00	Kg/M	Sale to Authorized recycler.

11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
13. This consent is issued pursuant to the decision of the 21st Consent Appraisal Committee Meeting held on 07/02/2024.

14. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter EC23A2412MH5245863N dtd. 16/02/2024.
15. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
16. The applicant shall ensure disposal of by-products to Actual user having permission under Rule 9 of Hazardous and Other Wastes(Management & Transboundary Movement) Rules 2016.
17. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)
18. Industry shall submit bank guarantee of Rs. 25 lakh towards compliance of Environment Clearance and consent conditions.

**Received Consent fee of -**

<b>Sr.No</b>	<b>Amount(Rs.)</b>	<b>Transaction/DR.No.</b>	<b>Date</b>	<b>Transaction Type</b>
1	342000.00	MPCB-DR-22800	29/11/2023	NEFT

**Copy to:**

1. Regional Officer, MPCB, Navi Mumbai and Sub-Regional Officer, MPCB, Taloja  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC updating.

## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity 100 CMD consisting of Primary, Secondary, Tertiary treatment followed by UF,RO, for the treatment of 71 CMD industrial effluent
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

<b>Sr.No</b>	<b>Parameters</b>	<b>Limiting concentration not to exceed in mg/l, except for pH</b>
(1)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	30
(3)	COD	250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	Ammonical Nitrogen	100
(7)	Bio - Assay Test**	90% Survival of Fish after first 96 hours in 100% effluent

- C] C] The 60 CMD RO permeate (including 10 CMD domestic sewage) shall be recycled into process, for cooling tower make up, fire-fighting, utility purposes etc. and RO reject 11 CMD shall be sent for evaporation to MEE-ATFD in IGPL, Plot T-2 unit (through UG pipeline). MEE Condensate shall be totally recycled for cooling tower make up in Plot T-2. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly. Discharge quantity from T-2 to be maintained at existing levels of 220 CMD.
  - D] Industry shall ensure that the RTDMS with flow meter with camera is installed on RO reject transfer line and monitoring data is connected to MPCB & CPCB Servers.
2. A] As per your application, primary treated sewage connected to Effluent Treatment Plant for further treatment & disposal.
  - B] Industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1 B & C of schedule I.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
  4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	345.00
2.	Domestic purpose	10.50
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	30.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	20

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

#### **SCHEDULE-II**

##### **Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

<b>Stack No.</b>	<b>Source</b>	<b>APC System provided/proposed</b>	<b>Stack Height(in mtr)</b>	<b>Type of Fuel</b>	<b>Sulphur Content(in %)</b>	<b>Pollutant</b>	<b>Standard</b>
1	Thermic Fluid Heater	Stack	30.00	Natural Gas 500 Kg/Hr	-	Other	-
2	Power Generator (1000 KVA)	Stack	30.00	Natural Gas 230 Ltr/Hr	-	Other	-
3	Stand by boiler	Stack	30.00	Natural Gas 54 Kg/Hr	-	Other	-

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Solvent Management shall be carried out as follows:
- Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
  - Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.

- c. The condensers shall be provided with adequate Heat transfer area (HTA) and residence time so as to achieve more than 97% overall recovery
- d. Solvents shall be stored in a separate space specified with all safety measures.
- e. Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.
- f. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
- g. All the solvent storage tanks shall be connected with vent condensers with Water / chilled water / Brine circulation.
- h. Fugitive emissions shall be controlled at 99.95% with effective chillers.
- i. Solvent transfer shall be through pump.
- j. Metering and control of quantities of active ingredients to minimize wastes.
- k. Use of automatic filling to minimize spillage.
- l. Use of close feed system into batch reactors.
- m. Venting equipment through vapour recovery system.

### SCHEDULE-III

#### Details of Bank Guarantees:

Sr. No	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E (Exp.)	2500000	15 days/extend	Towards compliance of consent conditions.	upto C to1stO	upto C to1stO

#### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

#### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

**SCHEDULE-IV**  
**General Conditions:**

1. The waste generator shall.-
  - a) take steps to minimize generation of plastic waste and segregate plastic waste at source in accordance with the Plastic Waste Management Rules, 2016 or as amended from time to time.
  - b) not litter the plastic waste and ensure segregated storage of waste at source and handover segregated waste to urban local body or gram panchayat or agencies appointed by them or registered waste pickers', registered recyclers or waste collection agencies;
2. All institutional generators of plastic waste, shall segregate and store the waste generated by them in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time and handover segregated wastes to authorized waste processing or disposal facilities or deposition centers either on its own or through the authorized waste collection agency.
3. All waste generators shall pay such user fee or charge as may be specified in the byelaws of the local bodies for plastic waste management such as waste collection or operation of the facility thereof, etc.;
4. Every person responsible for organizing an event in open space, which involves service of food stuff in plastic or multilayered packaging shall segregate and manage the waste generated during such events in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time.
5. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
6. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
7. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
8. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
9. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
  1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.  
**Storage for disassembled parts:** The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.

2. **Storage for other components and residues:** Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.
3. **Balances :** WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
6. CFCs should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
10. The Energy source for lighting purpose shall preferably be LED based
11. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
12. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.

- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
13. The applicant shall maintain good housekeeping.
14. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
15. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
16. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
17. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
18. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
19. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
20. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
21. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
22. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
23. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
24. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
25. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.

26. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
27. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
28. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
29. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
30. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
31. The industry should not cause any nuisance in surrounding area.
32. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
33. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.
34. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
35. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
36. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
37. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
38. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.

39. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
40. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
41. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
42. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
43. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
44. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
45. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.
46. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

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This certificate is digitally & electronically signed.

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## **ANNEXURE – V EMP BUDGET**

### **Corporate Environment Responsibility (CER)**

As per OM F. No. 22-65/2017-IA. III issued by MoEF & CC on 1st May 2018 on Corporate Environment Responsibility (CER), some of the activities which can be carried out under CER, are infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, etc.

The fund allocation for CER is based on criteria such as % of capital investment for green field / brown field projects. For brown field project, Fund allocation is 0.75% of project capital investment (for Investment >Rs. 100 crores to <Rs. 500 crores).

The proposed project is brown field, IGPL is allocating Rs. 1.27 Crores (0.75% of project investment of Rs. 170 Crores) for CER activities as per MoEFCC OM 1st May 2018. Since the project is located in SPA, CER is 1.5 times of slab given in OM 01.05.2018 (as per letter No. Q-16017/38/2018-CPA dated 24th October 2019). Hence, the total CER budget will be Rs. 1.90 Crores.

CER Plan proposal for improvement in nearby vicinity will include creation of infrastructural facilities which are lacking with special emphasis on infrastructure, health, education & skill development, water. Some of the activities are listed below –

<b>Health/ Medical facility</b>
<ul style="list-style-type: none"><li>- Upgradation of local medical institution i.e. PHS or PHC with equipment's &amp; infrastructure</li><li>- Providing PPE in nearby PHC/ Rural hospital</li><li>- Medical camps/ health check-up camps based on demand</li></ul>
<b>Educational</b>
<ul style="list-style-type: none"><li>- Upgradation of local educational institutions by constructing classrooms/ school building, playground, toilets facility etc.,</li><li>- E- learning facility setup</li><li>- Other teaching aids for schools</li><li>- Skill set training programs for teachers</li></ul>
<b>Drinking Water Facility</b>
<ul style="list-style-type: none"><li>- Repairing of drinking water pipeline,</li><li>- Construction/ maintenance of water tank</li><li>- Disinfection facilities for drinking water sources</li><li>- Water conservation awareness programs</li></ul>
<b>Infrastructural Facilities</b>
<ul style="list-style-type: none"><li>- Construction/ Repairing of drains &amp; toilets</li><li>- Constructions of internal village roads/ Extension of paved road</li><li>- Repairing work of temple</li><li>- Repairing of building &amp; instruments for gym</li><li>- Sitting arrangements for senior citizens at community places</li></ul>

## ANNEXURE – V EMP BUDGET

### **Livelihood Development Activities**

- Job oriented skill training courses/ Project related training courses
- Conduct Farmers training program for advance/ improve technique
- Vocational courses

The budgetary allocation of Rs. 1.9 Crores will be spread out over 5 years – project implementation period tentative plan as given below:

### **Budgetary Allocation for CER**

Proposed Activity	Year wise allocation of Fund (INR In Lakh)					
	1st yr	2nd yr	3rd yr	4th yr	5th yr	6th yr
	(April - March)					
Infrastructure Facilities	5	0	7	15	20	47
Drinking Water facility	5	5	5	15	20	50
Educational	5	5	5	10	10	35
Health/ Medical facility	3	4	6	10	10	33
Wildlife conservation	5	5	5	5	5	25
Total	23	19	28	55	65	190
Note: Amounts in CER fund mentioned above will be spent as the investment in the project progresses.						

**Compliance of Hon'ble NGT order dated 19.08.2019 (published on 23.08.2019) in O.A. No. 1038 2018 - reg.  
Office memorandum Dated 31.10.2019**

No	Environmental component	Mitigation measures	Compliance		
1	Air	i) Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	IGPL proposes to use Natural gas for proposed Boiler, Thermic fluid heater and DG set. Adequate stack height will be provided.		
			<b>Stack attached to</b>	<b>Stack Ht., m</b>	<b>Fuel quantity</b>
			50 Lacs Kcals/hr Thermic Fluid Heater	30	Natural gas: 650 SCM/hr
			850 Kg/hr Boiler	30	Natural gas: 70 SCM/hr
			1000 KVA power Generator set	30	Natural gas: 300 SCM/hr
		ii) CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	IGPL proposes to use Natural gas, hence not applicable.		
		iii) Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Fugitive emission control measures will be adopted as below, Packaging as well as charging of solid material will be in closed system. <ul style="list-style-type: none"> <li>• VOC emission control               <ul style="list-style-type: none"> <li>- Knockout tank will be provided for closed vent systems.</li> <li>- Local exhausts force ventilation and roof top ventilators will be provided at process areas.</li> <li>- Pumps handling chemicals will be provided with mechanical seals.</li> <li>- Storage tanks storing alcohols will be provided with breather valve assembly (conservative vent system).</li> <li>- Spillages will be prevented by providing drip pans, proper handling equipment, Spill control procedures. Housekeeping teams will be available to deal with the situation promptly.</li> <li>- Fixed VOC monitors will be installed in storage area and portable VOC monitor will be used for area monitoring.</li> <li>- Workplace monitoring through external approved lab.</li> <li>- Transportation will be through tankers, Iso containers and drums. Open transportation will be totally avoided.</li> </ul> </li> </ul>		

No	Environmental component	Mitigation measures	Compliance								
		iv) Transportation of materials by rail/conveyor belt, wherever feasible.	Main raw material molten Phthalic anhydride will be supplied from main plant Plot T-2 through pipeline. Other Raw materials and products will be transported in low quantities. Site is well connected by road. Hence, transportation of materials by rail/conveyor belt, is not feasible.								
		v) Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).	<p>IGPL proposes to use Natural gas for proposed Boiler, Thermic fluid heater and DG set.</p> <table border="1" data-bbox="1066 545 1959 678"> <thead> <tr> <th data-bbox="1066 545 1625 586">Stack attached to</th> <th data-bbox="1625 545 1959 586">Fuel quantity</th> </tr> </thead> <tbody> <tr> <td data-bbox="1066 586 1625 618">50 Lacs Kcals/hr Thermic Fluid Heater</td> <td data-bbox="1625 586 1959 618">Natural gas: 650 SCM/hr</td> </tr> <tr> <td data-bbox="1066 618 1625 651">850 Kg/hr Boiler</td> <td data-bbox="1625 618 1959 651">Natural gas: 70 SCM/hr</td> </tr> <tr> <td data-bbox="1066 651 1625 678">1000 KVA power Generator set</td> <td data-bbox="1625 651 1959 678">Natural gas: 300 SCM/hr</td> </tr> </tbody> </table>	Stack attached to	Fuel quantity	50 Lacs Kcals/hr Thermic Fluid Heater	Natural gas: 650 SCM/hr	850 Kg/hr Boiler	Natural gas: 70 SCM/hr	1000 KVA power Generator set	Natural gas: 300 SCM/hr
Stack attached to	Fuel quantity										
50 Lacs Kcals/hr Thermic Fluid Heater	Natural gas: 650 SCM/hr										
850 Kg/hr Boiler	Natural gas: 70 SCM/hr										
1000 KVA power Generator set	Natural gas: 300 SCM/hr										
		vi) Best Available Technology may be used. <i>(For example, usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology).</i>	<ul style="list-style-type: none"> <li>- Close system and automated charging of reactants in all the processes.</li> <li>- DCS/ PLC systems with minimum human intervention.</li> <li>- Energy efficient motors with variable frequency drives (VFDs). Energy efficient agitators for reactors across the plant.</li> <li>- Predictive and preventive maintenance programs to avoid equipment breakdown and ensure timely maintenance.</li> </ul>								
		vii) Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.	<p>Proposed project involves development of green belt area as follows- Green belt area within plot: 1501.42 sq. m, Green belt area outside plot on OS-44: 5813.40 sq. m (adjacent to site) Total Green belt area: 7314.82 sq. m (42.6% of total plot area 17150 sq. m.) IGPL has an agreement with MIDC for developing and maintaining green belt on Open space plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11<sup>th</sup> November 2020) is enclosed as <b>Annexure 2.2</b> of EIA report.</p>								
		viii) Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	<p>Proposed to develop Green belt area outside plot on Plot OS-44: 5813.40 sq. m (adjacent to site). IGPL has an agreement with MIDC for developing and maintaining green belt on Open space plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11<sup>th</sup> November 2020) is enclosed as <b>Annexure 2.2</b> of EIA report.</p>								

No	Environmental component	Mitigation measures	Compliance
		ix) Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	MIDC main road is 61 m width and internal roads are 18 to 30 m width. Detailed assessment of carrying capacity of transportation load on MIDC roads is carried out. As per the IRC: 106-1990, PCUs for MIDC road are well within recommended design service and is under "Very Good" category (V/C ratio- 0.3).
2	<b>Water</b>	i) Reuse/ recycle of treated wastewater, wherever feasible.	Trade effluent- 61 cmd, Domestic sewage- 10 cmd The effluent will be treated in ETP comprising of Primary, Secondary and Tertiary treatment. Domestic sewage will be treated in aeration tank of ETP. The final treated ETP outlet will be further treated in UF followed by RO. Permeate from RO (60 cmd) will be recycled within facility and RO reject (11 cmd) will be sent to main plant at Plot T-2. At plot T-2, RO reject will be treated in existing MEE- ATFD which utilized low pressure vent out steam. Condensate from MEE will be recycled to utilities in plot T-2. Wastewater will be completely treated and recycled. No discharge to any CETP.
		ii) Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting).	pH, Conductivity meter will be installed to ETP outlet along with web camera and connected to MPCB/ CPCB server as per MoEF&CC guidelines.
		iii) A detailed water harvesting plan may be submitted by the project proponent.	Rainwater from rooftop area will be collected in water tank during monsoon season.
		iv) Zero- liquid-discharge- wherever-techno economically feasible.	RO permeate from Plot T-2/part will be completely recycled and RO reject will be sent to main plant at Plot T-2 for further treatment. RO reject will be treated in existing MEE- ATFD of Plot T-2. Condensate from MEE will be recycled to utilities in plot T-2. No discharge to any CETP.
		v) In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Domestic sewage (10 cmd) will be treated in aeration tank of ETP and recycle back within facility
3	<b>Land</b>	i) Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	Proposed project involves development of green belt area as follows- Green belt area within plot: 1501.42 sq. m, Green belt area outside plot on OS-44: 5813.40 sq. m (adjacent to site) Total Green belt area: 7314.82 sq. m (42.6% of total plot area 17150 sq. m.)

No	Environmental component	Mitigation measures	Compliance
			IGPL has an agreement with MIDC for developing and maintaining green belt on Open space plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11 <sup>th</sup> November 2020) is enclosed as <b>Annexure 2.2</b> of EIA report.
		ii) Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Proposed to develop Green belt area outside plot on Plot OS-44: 5813.40 sq. m (adjacent to site). IGPL has an agreement with MIDC for developing and maintaining green belt on Open space plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11 <sup>th</sup> November 2020) is enclosed as <b>Annexure 2.2</b> of EIA report.
		iii) Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.	There will not be any dumping of waste. Hazardous waste will be sent to CHWTSDF & approved authorized party. IGPL has obtained CHWTSDF membership. No use of coal, hence fly ash will not be generated.
		iv) More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	Management of hazardous waste is and will be carried out as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and subsequent amendments.
4	<b>Other Condition (Additional)</b>	i) Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Not applicable. Applying for first Environmental clearance.
		ii) The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Proposed project cost is Rs. 170 Crores. As per OM dated 01.05.2018, for brownfield project with capital investment >Rs. 100 Cr to Rs. 500 Cr, CER budget is 0.75% of capital investment. Since, the project is located in SPA, CER is 1.5 times of slab given in OM 01.05.2018. CER budget of Rs. 1.9 Crores is proposed. The CER plan is prepared and submitted to District collector for approval. Detailed CER plan is submitted in Section 4.5.9.3, Chapter 4 of EIA report.

**I G PETROCHEMICALS LIMITED**  
**DETAILS OF EXPENDITURE ON CORPORATE SOCIAL RESPONSIBILITY**  
**PERIOD 01.04.2024 TO 30.09.2024**

SR. NO.	PAID TO	AMOUNT	RS
<b>A</b>	<b><u>BOMBAY OFFICE</u></b>		
1	<b>INTERNATION SOCIETY FOR KRISHNA CONSCIOUSNESS</b> SERVICES RELATED TO GAU MATA	10,00,000.00	10,00,000.00
2	<b><u>WOMEN EMPOWERMENT</u></b>		
a	<b>ARYA FOUNDATION</b> ARYA FOUNDATION-CSR FOR IMPROVEMENT LIFE STANDARD OF WOMEN & HELPING POOR CHILDREN DEVELOPING AS WELL AS PROVIDING GRAINS & OULSES TO POOR	4,25,478.60	
ii	ARYA FOUNDATION-SERVICES RELATED TO IMPROVEMENT LIFE STANDARD OF WOMEN.	74,521.40	5,00,000.00
b	<b><u>IGPL CHARITABLE FOUNDATION</u></b>		
i	Saraswati shishu mandir Trust- For Education	50,00,000.00	
ii	ANGANWADI KOYANA VILLAGE- RENOVATION ANGANWADI PROJECT-50% PAYMENT	16,73,781.00	66,73,781.00
	<b>Total - (A)</b>	<b>81,73,781.00</b>	<b>81,73,781.00</b>
<b>B</b>	<b><u>TALOJA FACTORY</u></b>		
1	<b><u>Param Shantidham Vridhashram</u></b> Taloja MIDC , Opposite -Tecnova Co, Post - Koyalnaweale, Taluka-Panvel PAN:- AAATP 3007C , DIT ( E ) /MC/80G/2930/2009-10 ( Registration No 12962 Income Tax Act 1961 U/S 80G )	30,000.00 30,000.00 30,000.00 30,000.00 30,000.00 30,000.00	1,80,000.00
	<b>Total - (B)</b>	<b>1,80,000.00</b>	<b>1,80,000.00</b>
	<b>TOTAL</b>	<b>83,53,781.00</b>	<b>83,53,781.00</b>



# I G PETROCHEMICALS LIMITED

Ref : IGPL/SJ/2024/PLZ

Date : 23.02.2024

Panvel Municipal Corporation,  
Panvel,  
Dist. Raigad : 410206

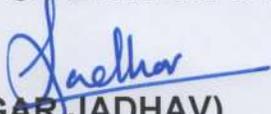
Dear Sir,

We have received the Environment Clearance from Ministry of Environment, Forest & Climate Change (MoEFCC), New Delhi vide File No. IA-J-11011/508/2022-IA-II(I) dtd. 16.02.2024 for our proposed addition of Synthetic Organic Chemical Manufacturing facility (by establishing new Plasticizer manufacturing) project named as Plasticizer at Plot No.T-2/Part, MIDC, Taloja and as directed by them, we are enclosing herewith copy of the same for your information and record.

Please acknowledge having received the same.

Thanking you,

Yours faithfully,  
For I G PETROCHEMICALS LIMITED

  
(SAGAR JADHAV)  
CHIEF MANUFACTURING OPERATIONS

Encl : As above

फॉर्म 1  
9/2/24  
लेखनिक  
आवक - जावक  
पानवेल शहर महानगरपालिका,  
पानवेल - रायगाड.

# Annexure - IX - IGPL Website Snapshots

The screenshot displays the IGPL website interface. At the top, a navigation menu includes links for [ABOUT US](#), [PRODUCTS](#), [SUSTAINABILITY](#), [INVESTORS](#), [CSR](#), [CAREERS](#), and [CONTACT US](#). The IGPL logo, featuring a stylized flame above the letters 'IGPL', is positioned in the upper right corner. The main content area is dominated by a large, high-resolution photograph of an industrial refinery or chemical plant. The image shows a complex network of tall distillation columns, pipes, and structural steel, set against a bright sky with a sun flare on the left side. Below the image, a text snippet reads: "IG PETROCHEMICALS LIMITED (IGPL) is an established market leader in Phthalic Anhydride". The browser's address bar shows the URL "https://www.igpetro.com". The Windows taskbar at the bottom indicates the system time as 15:13 on 19-10-2024, with the language set to ENG.

**IG PETROCHEMICALS LIMITED (IGPL)** is an established market leader in Phthalic Anhydride (PAN) with strong recognition and excellent plant facilities of international standards.

## About Us

IGPL commenced production in the year 1992 with a view to become one of the leading players in the petrochemicals industry. Today, we are the largest producer of PAN in India. Our dynamic spirit to go beyond the normal realms of success and our relentless will to be the market leader have been the hallmarks of our pursuit of excellence.



### Products

IGPL is one of the largest single location producers of Phthalic Anhydride (PAN) of international standards.



### Quality

IGPL continuously strives to achieve the highest standards of quality in its business unit's practices and operations without



### Investors

An investor is a person that allocates capital with the expectation of a future financial return.



### CSR

The Company is committed to contribute towards the society at large by monetary as well as non-monetary.





# Sustainability

## Quality Management Systems

The primary goal of IGPL is to achieve the highest standards of quality in our business unit's practices and operations without compromise. Quality performance is one of the cornerstones of our Company's culture and is considered a personal responsibility of all employees. IGPL is an ISO accredited Company in respect of the following standards:





## Health, Safety and Environment Security

IGPL is committed to providing a safe and healthy workplace for all our Employees, Contractors Employees, visitors and member of Public. We are committed to compliance with any and all governmental agencies, regulations, industry best practices and use audits to measure, share and improve our Health and Safety programs.

To achieve this we shall :

- Eliminate or minimize Hazards and Risk to Health and Safety as far as practicable.
- Conduct frequent Audits, Risks Assessment and Mock Drill Etc. and implement suggestion given to improve work environment.
- Educate Employees for their general responsibility and other people towards Health and Safety while working in the plant.
- Provide appropriate Safety equipment and personnel protective equipment.
- Provide information, instruction and training to enable all

## Environmental Policy

We are in the business of manufacturing Phthalic Anhydride, Maleic Anhydride and Benzoic Acid. We understand the profound influence of industrialization on environment and recognize the importance of restoring and maintaining the same.

In our effort to keep to our commitment for a pollution free environment, we shall strive to :

- Prevent and control pollution and maintain ecofriendly environment.
- Dispose off inevitable wastes in an environmentally friendly manner.
- Enhance environmental awareness amongst all our staff, workmen, suppliers, visitors and other interested parties.
- Continually improve our Environmental performance. Conserve key resources like Water, Energy, Fuel by optimizing their use. Maximize reuse/recycle wastes.
- We shall comply with all applicable environmental legislations and other requirements.



## Environment Clearances & Compliance Report

- PA-2 EC 1997
- PA-1 EXP EC 2007
- MA-3 EC 2008,
- PA-1 EXP EC-2007
- PA4 MA4 DEP DMP-ECDTD.18.07.2017
- PA4 EC AMEND 2018
- PA5 EC 14.03.2022
- PA5 EC AMENDMENT 06.10.2022
- 1EC COMPL REPORT DEC16-MAY17
- 2EC COMP REPORT APR17-SEP17
- 3EC COMP REPORT OCT17-MARCH18
- 4EC COMPL REPORT APR18-SEP18
- 5EC COMPLIANCE OCT18-MAR19
- 6EC COMP REPORT APR2019-SEPT2019
- 7EC-COM-REPORT-OCT-2019-MAR-2020
- 7EC-COM-REPORT-OCT-2019-MAR-2020-08062020
- EC COMPLIANCE REPORT OCT-2022 TO MAR-2023
- Combine PA V EC COMPLIANCE APR 2023 - SEPT 2023
- ENVIRONMENTAL CLEARANCE 16.02.2024 FOR PLASTICIZER PROJECT
- 8EC-COMPLIANCE-APR-2020-TO-SEPT-2020-01122020
- 8EC-COMPLIANCE-APR-2020-TO-SEPT-2020
- 9EC-COMP-REPORT-OCT-2020-TO-MAR-2021-01062020
- 9EC-COMP-REPORT-OCT-2020-TO-MAR-2021
- POST-EC-MOEF-MON-REPORT-SEPT18
- POST-EC-MOEF-MON-REPORT-SEPT18-04052018



MAR-2023

- Combine PA V EC COMPLIANCE APR 2023 - SEPT 2023
- ENVIRONMENTAL CLEARANCE 16.02.2024 FOR PLASTICIZER PROJECT

### Business Responsibility and Sustainability Report

- 2023-24

LIVE OCEMS

IT SECURITY POLICY

QEOHS POLICY

#### Investors

- Annual Report
- Business Reports
- Investor Information
- Corporate Governance
- Corporate Announcement
- Subsidiary's Financial Statements

#### Quick Links

- About Us
- Products
- Sustainability
- CSR
- Careers

#### Registered Office

T-10, 3rd Floor, Jairam Complex,  
Mala, Neugi Nagar, Panaji, Goa -  
403 001

0832 2970973



#### Corporate Office

401-404, Raheja Centre, 214,  
Nariman Point, Mumbai - 400021  
Fax No : 022-22040747

+91 22 4058 6100

igpl@igpetro.com

CIN : L51496GA1988PLC000915



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000074112

### Submitted Date

30-09-2024

## PART A

### Company Information

#### Company Name

I. G. Petrochemicals Ltd.

#### Application UAN number

0000132493

#### Address

I G Petrochemicals Ltd, Plot No T-2/part,  
Taloja Industrial Area, MIDC Taloja,  
TalukaPanvel, Dist: Raigad - 410 208

#### Plot no

Plot No. T-2/part

#### Taluka

Panvel

#### Village

Taloja Industrial Area

#### Capital Investment (In lakhs)

977.26

#### Scale

Large Scale Industry (LSI)

#### City

Panvel

#### Pincode

410208

#### Person Name

Mr. Sagar Jadhav

#### Designation

Executive Director

#### Telephone Number

2268479103

#### Fax Number

2227410192

#### Email

sjadhav@igpetro.com

#### Region

SRO-Taloja

#### Industry Category

Red

#### Industry Type

R57 Petrochemicals Manufacturing (including processing of Emulsions of oil and water )

#### Last Environmental statement submitted online

yes

#### Consent Number

Format1.0/RO/UAN  
No.0000132493/CR/2203001624

#### Consent Issue Date

2022-03-30

#### Consent Valid Upto

2027-03-31

#### Establishment Year

2020

#### Date of last environment statement submitted

Sep 27 2023 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

Retail repackaging of Phthalic Anhydride (PA)

#### Consent Quantity

120

#### Actual Quantity

0

#### UOM

Cases/Day

### By-product Information

#### By Product Name

0

#### Consent Quantity

0

#### Actual Quantity

0

#### UOM

MT/A

## Part-B (Water & Raw Material Consumption)

### 1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	0.00	0.00
Domestic	3.50	0.76
All others	2.50	1.00
<b>Total</b>	<b>6.00</b>	<b>1.76</b>

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of trade effluent from the factory	0	0	CMD
Daily Quantity of sewage from the factory	0.2	0.15	CMD

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Retail repackaging of Phthalic Anhydride (PA)	0	0	CMD

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
0	0	0	MT/A

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
0	0	0	MT/A

## Part-C

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Suspended Solids	0.003	21	0	100 mg/L	NA
BOD	0.002	16	0	30 mg/L	NA

#### [B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
0	0	0	0	0	0

## Part-D

### HAZARDOUS WASTES

### 1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0	0	MT/A

### 2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

## Part-E

### SOLID WASTES

#### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

#### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

#### 3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

## Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

#### 1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	0	MT/A	0

#### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
0	0	MT/A	0

## Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
0	0	0	0	0	0	0

## Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

**Detail of measures for Environmental Protection****Environmental Protection Measures****Capital Investment (Lacks)**

0

0

0

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**[B] Investment Proposed for next Year****Detail of measures for Environmental Protection****Environmental Protection Measures****Capital Investment (Lacks)**

0

0

0

**Part-I**

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**Any other particulars for improving the quality of the environment.****Particulars**

NA

**Name & Designation**

Mr. Sagar Jadhav Executive Director

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000074112

**Submitted On:**

30-09-2024



Get prediction sitting at home with Palm Print. Love, romance, sex, family relations, job, wealth, home happiness, health, education, marriage, children, luck, work, honor, sorrow, illness, etc.

R. R. Mishra Astrologer, Palmist, Numerologist, Vastu & Gems Specialist, Former TV & Press. Whatsapp & Mobile 9820113194

अस्वीकृती. I HAVE CHANGED MY NAME FROM BHAVESH (OLD NAME) TO BHAVIK AMRUTHAJI PATEL (NEW NAME) AS PER AFFIDAVIT NO. 844A 568128 DATED: 01 FEB 2024.

CHANGE OF NAME NOTE. Collect the full copy of Newspaper for the submission in passport office.

I HAVE CHANGED MY NAME FROM JENCY JOSHUA NADAR TO JENCY JEBAS NADAR AS PER MAHARASHTRA GAZETTE NO (M-23252082) CL-399

I HAVE CHANGED MY NAME FROM SAHAY SHABUDDIN TO SHABUDDIN MAINUDDIN SAYED AS PER DOCUMENTS CL-400

I, KARKALPULKERI PRAKASH PRABHU RESIDING AT G-2, GIJURIMATHI CHS LTD, J.P. THAKUR ROAD, NEAR POST OFFICE, BHAYANDER WEST, THANE HAVE CHANGED MY NAME TO PRAKASH SUBRAYA PRABHU AS PER MAHARASHTRA GAZETTE COPY NO. (M- 23319478) DATED FEBRUARY 15-21, 2024. CL-433

I HAVE CHANGED MY NAME FROM SAKSHI JAIN TO SAKSHI VIRAL SURAVA AS PER DOCUMENTS. CL-582

I HAVE CHANGED MY NAME FROM RENUKA ZALKI TO RENUKA PANDURANG JANWALKAR AS PER AADHAR CARD NO. 834638170187. CL-654

MRS ANJALI KASHINATH BREED SPOUSE OF NO JCI58847K. HONY. CAPT BRID KASHINATH RAJARAM RESIDENT OF VILLAGE MASRANG, TAL-SANGAMESHWAR, DIST-RAJNAGIRI. HAVE CHANGED MY DATE OF BIRTH 23/03/1959 TO 01/04/1957 VIDE AFFIDAVIT DATED 22/02/2024 BEFORE EXECUTIVE MAGISTRATE, CHIPLUN. CL-777

I HAVE CHANGED MY NAME FROM AMRUTIBEN (OLD NAME) TO ARUNA AMRUTHAJI PATEL (NEW NAME) AS PER AFFIDAVIT NO. 844A 568128 DATED: 01 FEB 2024. CL-783 A

I, MOHAMMED SHAFIQUE, HOLDER OF INDIAN PASSPORT NO. 52425958 HAVING PERMANENT ADDRESS KHAJAMIYA CHL BANDRA PLOT NR, MAHIFIE MOHAMMADI JAGHESHWARI, MUMBAI, PIN - 400060, MAH. INDIA, RESIDING IN KUWAIT AT PRESENT, HEREBY DECLARE THAT HENCEFORTH MY NAME WILL BE READ AS UNDER: GIVEN NAME MOHAMMED SHAFIQUE AND SURNAME SHAIKH. CL-790 A

I HAVE CHANGED MY NAME FROM HARIODASHEEN JAYANTIBAI PATEL TO HARIDA ASHISH BHANSALI AS PER GOVT. OF MAHARASHTRA GAZETTE NO.(M- 23235214). CL-880 B

I HAVE CHANGED MY NAME FROM KAMALAKANT SITARAM TIWARI TO KAMLAKANT SITARAM TIWARI AS PER DOCUMENTS. CL-880 C

I HAVE CHANGED MY NAME FROM ANJANI DEVI MALLAH TO ANJANI DINANATH MALLAH AS PER DOCUMENTS. CL-880 D

I HAVE CHANGED MY NAME FROM JENCY JOSHUA NADAR TO JENCY JEBAS NADAR AS PER MAHARASHTRA GAZETTE NO (M-23252082) CL-399

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प्रत्यक्ष कच्चा सूचना. गणराज्यपालक: आपसीआयसीआय बैंक लि., कार्यालय इमारत २०१-बी, २रा मजला, वीट क्र. १, एफ. ३-बी, वाकपथ आर्टी गॅलरी, जम्मू रोड/दिल्ली रोड, उणे, महाराष्ट्र-४०००६८.

गृहम हाऊसिंग फायनान्स लिमिटेड. (पूर्वी पुरायमान हाऊसिंग फायनान्स लिमिटेड). निधीमूळ कर्जाचे दर: ६.२२, एच.एच.ए. वीट नं. २०१/१, पोस्टी, मुंबई-४०००२६.

Table with 4 columns: अ.क्र., कर्जाचे प्रकार, वारंवार वसुलीची तारीख, वसुलीची रक्कम. Lists various loan types and their repayment schedules.

सुखी घरातील मनुष्य. निधीमूळ कर्जाचे दर: ६.२२, एच.एच.ए. वीट नं. २०१/१, पोस्टी, मुंबई-४०००२६.

डोबिवली नागरी सहकारी बँक लि. DNB BANK (मल्टी-स्टेट शेक्व्हल बँक). आर्थाला विश्वास मिळे अन् विश्वासाला अर्थ मिळे!

जाहीर लिलाव नोटीस. घरातील मनुष्य कर्जाचे दर: ६.२२, एच.एच.ए. वीट नं. २०१/१, पोस्टी, मुंबई-४०००२६.

Table with 4 columns: अ.क्र., कर्जाचे प्रकार, वसुलीची तारीख, वसुलीची रक्कम. Lists loan details for DNB Bank.

Table with 2 columns: अ.क्र., मालकीचा तपसिला. Lists property details for the bank.

जाहीर नोटीस. सर्व लोकांना कळविण्यात येते की, गणराज्यपालक आपसीआयसीआय बँक लि. कार्यालय इमारत २०१-बी, २रा मजला, वीट क्र. १, एफ. ३-बी, वाकपथ आर्टी गॅलरी, जम्मू रोड/दिल्ली रोड, उणे, महाराष्ट्र-४०००६८.

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SBI State Bank of India. स्टेट बँक ऑफ इंडिया वीट नं. २०१-२२, २रा मजला, वीट क्र. २२२, एच.एच.ए. वीट नं. २०१/१, पोस्टी, मुंबई-४०००२६.

ADITYA BIRLA CAPITAL. आदित्य बिरला हाऊसिंग फायनान्स लिमिटेड. निधीमूळ कर्जाचे दर: ६.२२, एच.एच.ए. वीट नं. २०१/१, पोस्टी, मुंबई-४०००२६.

जाहीर नोटीस. सर्व लोकांना कळविण्यात येते की, गणराज्यपालक आपसीआयसीआय बँक लि. कार्यालय इमारत २०१-बी, २रा मजला, वीट क्र. १, एफ. ३-बी, वाकपथ आर्टी गॅलरी, जम्मू रोड/दिल्ली रोड, उणे, महाराष्ट्र-४०००६८.

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Table with 4 columns: अ.क्र., मालकीचा तपसिला, मालकीचा मालक, मालकीचा मूल्य. Lists property details for the bank.

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# IG PETROCHEMICALS LIMITED

Date: 28<sup>th</sup> May 2024

The Director  
Ministry of Environment, Forest & Climate Change,  
Indira Paryavaran Bhavan, Aliganj, Jorbagh Road,  
New Delhi -110 003

**Sub: Submission of Plasticizer project EC compliance report for the period Oct 2023- March 2024.**

**Ref.: Environmental clearances granted for expansion of petrochemical unit, by MoEF & CC vide file no. IA/MH/IND3/451579/2023 dated 01/05/2023 & EC Identification No. EC23A2412MH5245863N received on 16/02/2024.**

Dear Sir

We have received above referred environmental clearance on 16<sup>th</sup> February 2024 & are submitting its compliance for the period of 17<sup>th</sup> February to 31<sup>st</sup> March 2024.

The project is at the stage of design, basic and detailed engineering & no execution activity has been initiated at site. All the requirements as stipulated in EC are being incorporated during the design stage. Hence, we will be submitting clause wise compliance report in the next six-monthly compliance report due on 1<sup>st</sup> December for the period of 1<sup>st</sup> April to 31<sup>st</sup> October 2024.

Following compliance are done till 31<sup>st</sup> March 2024

General condition	Description	Compliance
vi	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	EC letter submitted to Panvel Municipal Corporation 23 <sup>rd</sup> February 2024. Acknowledgement letter copy attached as Annexure 1
x	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 and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance	1)The advertisement in English and local language(Marathi) was published ON 24 <sup>th</sup> February 2024 in following papers Free Press Journal- In English Nav Shakti --- in Marathi Copy attached as Annexure 2

	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.	2) The copy of EC was submitted to Maharashtra Pollution Control Board via email dated 24 <sup>th</sup> Feb 2024 and copy is attached as Annexure 3
26	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC /SEIAA website where it is displayed	Compliance given as above Copy of advertisement attached.
27	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	EC letter submitted to local authorities. Acknowledgement letter copy attached.

Thanking You,  
Yours faithfully



(Sagar Jadhav)  
Executive Director



CC to:

1. The CCF, Regional Office, Western Region, Ministry of Environment, Forests & Climate Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur-440001
2. The Member Secretary, Maharashtra Pollution Control Board, 3rd floor, Kalpataru Point, Sion, Mumbai -400 022.
3. Central Pollution Control Board, Parivesh Bhavan, Opp. VNC Ward office No. 10, Subhanpura, Vadodara-390023.

## Ramesh Rayate

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**From:** Dhairyasheel Shinde  
**Sent:** Saturday, May 25, 2024 12:49 PM  
**To:** Ramesh Rayate  
**Subject:** FW: Environmental Clearance of Plasticizer Plant at T - 2 Part plot.  
**Attachments:** ENVIRONMENTAL CLEARANCE DTD. 16.02.2024 FOR PLASTICIZER PROJECT.pdf

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**From:** Dhairyasheel Shinde  
**Sent:** 24 February 2024 16:12  
**To:** ronavimumbai@mpcb.gov.in; srotaloja@mpcb.gov.in; rajaram.injulkar@mpcb.gov.in  
**Cc:** ms@mpcb.gov.in; J K Saboo <jksaboo@igpetro.com>; Sagar Jadhav <sjadhav@igpetro.com>; Panchi Pungnoor <panchi@igpetro.com>  
**Subject:** Environmental Clearance of Plasticizer Plant at T - 2 Part plot.

Kind Attn.: Regional Officer,  
Maharashtra Pollution Control Board,  
7<sup>th</sup> Floor, Raigad Bhavan, CBD Belapur.

Dear Sir,

Pls find attached herewith Environmental Clearance obtained from MoEF & CC for our Plasticizer Plant at T - 2 Part plot, Taloja MIDC.

This is for your kind information.

Thanks

Dhairyasheel Shinde  
Sr. Dy. General Manager - HSSEQ



T2-MIDC, Taloja Industrial Area, Dist. Raigad, Panvel-410 208  
Tel.: 022 - 3928 9100, Fax : 022 - 2741 0192  
Mobile : 9975785696

**This e-mail message is only to be used by intended recipients and all others may kindly delete it and notify the sender. Unless expressly authorized by IGPL, the views expressed and the message itself is that of the individual sender and recipients are cautioned to check messages/attachments for any viruses before use. Users acknowledge that messages may contain confidential, proprietary or privileged information and that IGPL neither assures nor guarantees integrity or content of messages. The Website address of IGPL is [www.igpetro.com](http://www.igpetro.com)**



## **IGPL Health, Safety, Environment, and Quality Policy**

IGPL is a manufacturer of Phthalic Anhydride, Benzoic Acid, Maleic Anhydride, and Diethyl Phthalate committed for providing a safe, healthy, and environmentally responsible workplace for our employees, contractors, visitors, and the community. We are dedicated to complying with all applicable governmental regulations, industry standards, and best practices. We will continuously monitor our performance through audits. We shall understand the changing customer / stakeholder requirements and strive for continual improvement in our systems, services, occupational health, safety, and environmental programs. We prioritize customer satisfaction and system enhancement through the implementation of ISO 9001:2015 and 14001:2015 standards.

Recognizing the environmental impact of industrial operations, we are committed to optimizing the resources and restoring ecological balance.

### **To achieve our goals, IGPL will:**

- ❖ Understand and fulfill customer needs through timely delivery of consistent, high-quality products.
- ❖ Establish and achieve environmental, occupational health, safety and quality system objectives and targets through effective communication, stakeholder engagement, participation and human resource management.
- ❖ Promote environment, occupational health, safety and quality awareness among employees, contractor and relevant stakeholders through trainings / communications. Equip employees with necessary safety equipment and personal protective gear.
- ❖ Conduct regular audits, risk assessments, and emergency drills to identify and implement improvements.
- ❖ Thoroughly investigate all incidents, including near misses, and implement corrective actions.
- ❖ Prioritize hazard prevention and risk mitigation to create a zero-incident workplace.
- ❖ Assess the impact on environment, occupational health, safety, and quality and foster a culture of continuous improvement supported by adequate resources.
- ❖ Integrate occupational health and safety performance into assessments and management of change.
- ❖ Prevent and control pollution within legal limits, minimize environmental impact, and dispose of waste responsibly.
- ❖ Optimize resource utilization and maximize waste reduction, reuse, and recycling.
- ❖ Openly communicate this policy to all stakeholders and encourage feedback for improvement.

By adhering to these principles, IGPL aims to create a sustainable future for our business, employees, stakeholders and the environment.

1<sup>st</sup> Aug 2024

  
Sagar Jadhav  
Executive Director

# ANTICIPATED ENVIRONMENTAL IMPACTS & MITIGATION MEASURES

## Introduction

Synthetic organic chemicals manufacturing activity has various impacts during construction phase, operation phase and at end of project life on environmental parameters like land environment, water quality, air quality of surrounding area and due to generation of solid and hazardous wastes. Scale of impacts is different since manufacturing facility has typically very high through puts.

## Identification of Impacts

Environmental impact identification is based on stage of project and the type, scale and location of proposed project activity. Environmental components that may be affected negatively and positively due to proposed activity are identified for construction and operation phase and presented below:

### Environmental Aspects and Impacts the Project

Sr. No.	Step/Activity	Environmental Aspect	Impact	
			Type	Severity
1.0	Construction of buildings and Erection of Plant	Emission to air (dust)	Air Pollution	Temporary
		Use of water, energy and materials	Natural resources, conservation	Temporary
		Use of manpower	Employment	Temporary
		Hazardous and nonhazardous Waste Disposal on land	Land pollution	Permanent
2.0	Commissioning	Use of water, energy and materials	Air Pollution	Temporary
		Use and storage of hazardous chemicals	Safety, Occupational Hazards	Temporary
		Waste Water discharge	Water Pollution	Temporary
		Hazardous and nonhazardous Waste Disposal on land	Land Pollution	Temporary
3.0	Operation	Use of Water	Natural resources/ conservation	Permanent
		Wastewater discharge	Water Pollution	Permanent
		Hazardous and nonhazardous waste for disposal	Land Pollution	Permanent
		Use of manpower	Employment	Permanent
		Use of material, energy and resources	Air Pollution	Permanent
		Use and storage of materials	Safety, Occupational Hazards	Permanent
		Production of goods	Revenue Generation	Permanent

Sr. No.	Step/Activity	Environmental Aspect	Impact	
			Type	Severity
		Operation of Plant and machinery	Noise Pollution	Permanent
4.0	Closure and Decommissioning	Stoppage of New product	Revenue and employment loss	Permanent
		Decommissioning	Land pollution	Permanent

## Prediction of Impacts during Construction Phase and Mitigation Measures

### Land Environment

#### Anticipated Impacts

Plant erection involves demolition of temporary structures. Solid waste generated will include demolition rubble, broken concrete and scrap iron pieces. Improper waste disposal will lead to unhygienic conditions and hazards to nearby populace.

Construction material (concrete, iron sheets, plant and machinery etc) transport will lead to increase in number of vehicles plying on MIDC roads by about 10-12 nos./ day. However existing MIDC road is 2 + 2 lane concrete with divider and hence no traffic congestion will be occurred.

#### Mitigation Measures

- Separate area will be earmarked for storage of solid and hazardous wastes.
- Substratum removed during foundation, broken pieces of concrete, bricks will be given for leveling of nearby plots as directed by MIDC.
- Wastes like broken glass, plastic drum/ bags /iron scrap etc will be sold to scrap dealers for recycle.
- Waste paint cans, brushes and filters, glass wool material and asbestos packing will be stored separately and disposed off to CHWTSDF Taloja.
- A parking area will be provided for construction trucks within site. No trucks will be parked on MIDC road.

### Water Environment

#### Anticipated Impacts

Additional water (10-15 cmd) required will be supplied from existing plant facility during construction phase. About ~50-100 workers from nearby area will be employed. Additional Sewage generation will be ~2 cmd which will be properly treated and disposed.

#### Mitigation Measures

- Temporary arrangement of drinking water will be provided for workers.
- Mobile toilets will be provided and connected to septic tanks.

## **Air Environment**

### **Anticipated Impacts**

Impact on air environment will be due to dust generation and will be localized and confined to plant boundaries. Impact is expected to be localized and temporary in nature.

Particulate emissions may cause occupational health like respiratory problems i.e. allergic asthma and watering of eyes etc.

### **Mitigation Measures**

- The construction area will be covered by green curtains. Water sprinkling will be carried out at the construction area.
- Vehicles carrying construction materials will be covered while transporting material. Vehicle speed will be maintained.
- Equipment used will be washed periodically. Provision of dust masks, goggles for onsite workers.

## **Ecological & Biological Environment**

### **Anticipated Impacts**

There is considerable agricultural area and few reserve forests patches in study area. The proposed industry is part of notified industrial area.

Construction phase involves leveling, removal of bushes and minor vegetation within plot, building construction and vehicular movement will generate particulate matter, temporarily.

Particulate emissions during construction will have some impact on trees located near construction site. However, since the particulate are non-toxic in nature and emission is temporary thus no serious impacts are considered.

There was no nesting observed during site visit, owing to loss of existing vegetation there will be insignificant adverse impact on fauna also.

### **Mitigation Measures**

- Water sprinkling will be carried out at the construction area. Construction area will be covered by curtains.
- Tree plantation for green belt development will be initiated at the construction phase only.

## **Noise & Vibration Environment**

### **Anticipated Impacts**

Noise and vibrations will be generated in construction phase. As the phase of construction and plant erection will be of temporary nature, noise pollution will be confined to plant boundaries only.

### **Mitigation Measures**

- Adequate barrier will be provided to construction area.
- Heavy noise generating equipment will be covered with enclosures/ barriers.
- Regular maintenance will be carried out for heavy machinery.
- Adequate PPE ( earmuffs/ ear plugs) for construction workers.
- Only Trained workers will be allowed to use machinery/ equipment's.
- Green belt along periphery will be developed at the time of construction activity only.

### **Socio-economic Environment**

Impacts on socio-economic environment due to proposed project during construction phase are envisaged due to direct and indirect employment which will be beneficial.

### **Anticipated Impacts**

There will be temporary employment for about 100 persons over about 9 - 12 months. It will create business opportunities to suppliers of construction material, fabricators, manpower suppliers, civil contractors etc Local labors will be employed during construction phase.

### **Mitigation Measures**

- Drinking water facility, portable toilet/ mobile restroom will be provided for workers. Temporary shed will be constructed for workers.
- Only trained workers will be assigned for dedicated work.
- Adequate provision of PPE (helmets, safety shoes, harness, ear plugs/ muffs, dust masks) for construction workers.
- Insurance for construction workers and extending existing medical facilities to them.
- Periodic health checkup will be carried out.