

Date 16/02/2024

## File No: IA-J-11011/508/2022-IA-II(I) Government of India Ministry of Environment, Forest and Climate Change IA Division \*\*\*





To,

J K Saboo I G PETROCHEMICAL LTD T-2, MIDC Taloja, Tehsil Panvel, Dist. Raigad, Maharashtra , MIDC Taloja, RAIGAD, MAHARASHTRA, , 410208 sarode@aespl.co.in

Subject:

Grant of Environmental Clearance (EC) to the 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 provision of the EIA Notification 2006 regarding.

## Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND3/451579/2023 dated 01/05/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A2412MH5245863N
(ii) File No.	IA-J-11011/508/2022-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Proposed establishment of synthetic organic chemical (Plasticizer) manufacturing facility
(viii) Name of Company/Organization	I G PETROCHEMICAL LTD
(ix) Location of Project (District, State)	RAIGAD, MAHARASHTRA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	Yes

3. The Ministry of Environment, Forest and Climate Change has examined the proposal for expansion 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.

4. The project/activity is covered under Category 'B' of item 5(f), Synthetic organic chemicals industry of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended) but **due to applicability of general condition i.e. project site is located in a critically polluted area, the proposal is treated as Category 'A'** and the proposal requires appraisal at central level by the sectoral EAC in the MOEF&CC.

5. The **ToR** was issued by the Ministry, vide letter no. IA-J-11011/508/2022-IA-II(I) dated **1.5.2023**. The PP applied for Environment Clearance in the Common Application Form and submitted EIA/EMP Report and other documents. The PP in the Form reported that it is an **Expansion case**. The proposal is placed in this 73rd EAC meeting on 16th January, 2024, wherein the PP along with accredited Consultant, M/s Aditya Environmental Services Pvt Ltd, (NABET Accreditation No.: NABET/EIA/2225/RA 0262 dated 18th October 2022] made a detailed presentation on the salient features of the project. The information submitted by the PP is as follows:

6. The PP reported that the proposed **land area** is 17150 sq. m and no additional land will be acquired for proposed expansion, no R& R is involved in the Project. The details of products to be manufactured are as follows:

S.N.	Name of Product/ By Products	Existing Quantity (as per CTO)	Proposed Quantity(MTPA)	After Expansion Quantity (MTPA)		
	Product	21				
1	Retail <mark>repackaging of</mark> Phthalic Anhydri <mark>de (PA)*</mark>	120 No./day	- 45	120 No./day		
2	Plasticizers	A. 440	N QUI			
	Di- O <mark>ctyl Ph</mark> thalate (DOP)	5%	30809	<mark>308</mark> 09		
	Di- B <mark>utyl Phthalate (D</mark> BP)		5283	5 <mark>28</mark> 3		
	Di- I <mark>so Butyl Phthala</mark> te (DIBP)		12327	12 <mark>32</mark> 7		
	Di-Iso Nonyl Phthalate (DINP)		26331	26 <mark>33</mark> 1		
	Di-I <mark>so Octyl Phthalat</mark> e (DIOP)					
	Di-Iso Decyl Phthalate (DIDP)		3			
	Di- O <mark>ctyl Maleate (DO</mark> M)		E			
	Di- B <mark>utyl Maleate (DBM</mark> )	CP.	250	250		
	Di- Octyl Terephthalate (DOTP)	"Otects if	2.50	230		
	Tri-Octy <mark>l Trime</mark> llitate (TOTM)	C	5/	20 See		
	Di- Octyl Adipate (DOA)	2ºC CI	DEEN	5		
	Di- Isononyl Adipate (DIDA)			1 - C		
	Total (Plastici <mark>zers)</mark>		75000	75000		
	By Products		e-* )			
А	Monoester salt	e-D	2000	2000		

7. The PP reported that there is no violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 and no direction is issued under the E(P) Act/Air Act/Water Act.

8. The PP reported that Existing unit is for re-packing of Phthalic Anhydride (PA) which is exempted for Environmental clearance under EIA notification, 2006. Industry was manufacturing Retail repackaging of Phthalic Anhydride (PA)- 120 Nos./day with consent no. Format1.0/ RO/ UAN No.0000132493/ CR/ 2203001624 dated 30.03.2022 valid upto 31.03.2027. Certified Compliance of CTO is received from MPCB vide letter no. MPCB/SRO Taloja/TB/231012-FTS-0266 dated 12.10.2023. Sub Regional Office reported that majorly all consent conditions are complied.

9. The PP reported that **ESZ boundary of Matheran Eco-Sensitive Zone is about 3.15 km towards Northeast of the project site.** PP has submitted copy of letter no B/11/survey/4563/2023-24 dated 30.10.2023 issued by the Office of Deputy Conservator of Forest, Alibag mentioning distance shown on Survey of India toposheet no E 43B4, E43B4, E43H1, E43H5 from the project site to Matheran Eco sensitive zone is 3.15 Km. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Bava Malang River is ~1.7 km to West- Northwest direction, Kasadi River- ~2.6 km to SSE, Taloja nalla- ~4 km to SE, Lendi river- ~7 km to SE. *Panthera pardus, Varanus bengalensis* and *Pavo cristatus* are schedule I species present

within study area. Conservation plan for the Schedule-I species is submitted for approval. Taloja nala is passing adjacent to the plant boundary.

**10. Ambient air quality** monitoring was carried out at 11 locations during March to May 2021 and the baseline data indicates the ranges of concentrations of PM10 (30.5 to 75.4  $\mu$ g/m3), PM2.5 (20.7 to 36.8  $\mu$ g/m3), SO2 (8.3 to 26.5  $\mu$ g/m3), NOx (10.5 to 36.4  $\mu$ g/m3), CO (0.12 to 1.7 mg/m3), NH3 (10.2 to 49.2  $\mu$ g/m3), nMHC (BDL to 0.2 ppm). Concentration of O3, Pb, C6H6, BaP, As & Ni are below detectable limit.

11. The PP reported that the total **water requirement** is 408 cmd (fresh- 348, Recycle- 60). MIDC Raw water will be received at main plant- Plot no. T-2 and will be supplied to proposed project at Plot T-2/part by pipeline with due permission from MIDC. Total wastewater of 71 cmd (Trade effluent- 61, Domestic sewage- 10) will be treated in ETP comprising of Primary, Secondary and Tertiary treatment. Domestic sewage will be treated in aeration tank of ETP. Final treated effluent will be further treated in UF followed by RO. Permeate from RO will be recycled within facility. RO reject (11 cmd) will be sent to main plant at Plot T-2 for treatment in existing MEE- ATFD which has spare capacity. Condensate from MEE will be recycled to utilities in main plant plot T-2. No effluent/treated water will be discharged outside premises and Zero liquid discharge concept shall be followed.

12. **Power requirement** for proposed project will be 1200 KW and will be met from MSEDCL. Generator set of 1000 KVA capacity (Stack height 30 m) based on natural gas will be used only in case of emergency backup during power failure.

13. IGPL proposes to use excess steam available 1 MTPH from waste heat recovery boiler at main plant, Plot T-2 will be supplied to proposed project Plot T-2/part. The standby boiler 850 Kg/hr based on Natural gas will be at Plot T-2/part. IGPL proposes to install Natural gas fired 50 Lacs Kcals/hr Thermic Fluid Heater. IGPL proposes to transfer utilities through pipeline with due permission from MIDC.

#### 14. Details of Fuel:

No	Stack attached to	Fuel quantity
1	50 Lac <mark>s Kcals/hr Thermic</mark> Fluid Heater	Natural gas: 650 SCM/hr
2	850 Kg <mark>/hr Boiler</mark>	Natural gas: 70 SCM/hr
3	1000 KVA Generator set	Natu <mark>ral gas</mark> : 300 SCM/hr

**15. Details of Process emissions generation and its management:** There are no process stacks proposed as the entire process chemistry is liquid- liquid reactions and no gaseous component is involved

16. Details of Solid waste/ Hazardous waste generation and its management:

#### Non – Hazardous Waste

No	Type of waste	Unit	Quantity	Treatment & or Disposal
1	Garbage, Food waste	Kg/M	300	Vermicomposting and manure to use for green belt
2	0 11	Kg/M		To authorized disposal site for recycle
3	Biological sludge from wastewater treatment	MT/A	72	Used as manure for green belt/ as directed by MPCB
4	Insulation/ packing material, scrap material	MT/A	12	By sale / CHWTSDF
5	IT telecom/ Electrical, Electronic waste		1100	Sale to Authorized E waste recycler approved by MPCB
6	Battery waste		20	Sale to Authorized recycler approved by MPCB
7	Plastic waste	Kg/M	100	Sale to Authorized recycler approved by MPCB

Plot no. T-2/Part has valid Consent to Operate from MPCB for re-packing of Phthalic Anhydride (PA) vide latest consent no. Format1.0/ RO/ UAN No.0000132493/ CR/ 2203001624 dated 30.03.2022 valid upto 31.03.2027. Some of temporary sheds which are used for storage purpose will be demolished for setting up the proposed project. The demolition activity will be initiated in phase manner after grant of Environmental clearance. Below mentioned estimated quantities will be generated in phases and not in bulk.

## **Construction and Demolition waste:**

Type of Waste	Quantity	UOM	Disposal
Concrete	~250	MT	designated/ authorized place in consultation of MIDC authority for landfilling
Steel	~100	MT	To be reused within site/ Sale to Authorized recycler
Tin sheet	~50	MT	To be reused for barricading the site during construction phase

C&D waste will be stored within site so that there is no littering and or nuisance and kept away from nalla. As can be seen from above table, 150 MT will be reused within the site and balance 250 MT of concrete will be disposed off as directed

by authority.

## **Hazardous Waste**

Sr. No.	Type of waste	Category	Quantity	UOM	Disposal
1	Discarded containers/ Barrels/ liners	33.1	1000	Nos./ A	Sale to authorized party
2	Discarded bags used for hazardous chemicals	33.1	2.5	MT/ A	Sale to authorized party
3	Spent Carbon	36.2	150	MT/ A	CHWTSDF
4	Used oil/ Spent oil	5.1	2	MT/ A	Sale to authorized party/ CHWTSDF
5	Chemical Sludge from ETP	35.3	25	MT/ A	CHWTSDF
6	Tank Bottom Sludge	3.3	5	MT/ A	CHWTSDF
7	Waste Oil	5.2	2	MT/ A	CHWTSDF

17. The Budget earmarked towards the **Environmental Management Plan** (EMP) is 9.70Crore (capital) and the Recurring Cost (operation and maintenance) will be about 88 Lakhs per annum. Industry proposes to allocate Rs. 1.90 Crores towards Corporate Environment Responsibility.

18. Industry will develop **greenbelt** in an area of 42% i.e., 7314.82 sq. m (within plot- 1501.42, on adjacent OS-44 plot-5813.40).

19. The PP reported that **the Public hearing is exempted** as per the Para 7.III. Stage (3) (i) (b) of the EIA Notification, 2006. Project located in Taloja MIDC, notified by Industries and Labour Department, Government of Maharashtra under Maharashtra Industrial Development Act, 1961 vide No.1065/13583(I) dated 11th March 1966

20. The PP proposed to set up an **Environment Management Cell** (EMC) by engaging Environment officials for the functioning of EMC.

21. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.

22. The total **project cost** is Rs. 179.7726 Cr including proposed investment of Rs. 170 Cr and existing investment of Rs. 9.7726 crores. Total Employment will be 140 persons direct & 300 persons indirect after expansion.

## 23. Deliberations by the EAC

During deliberations, EAC discussed the following issues:

PP informed that the No objection certificate for construction of retaining wall for the adjoining nalla at Plot No. T/2 Part, Taloja Industrial Area has been obtained by the Executive Engineer, Raigad Irrigation Department Kolad vide letter dated 6.1.2018 in which it is mentioned that the nalla adjacent to the above said plot is local and flows only during monsoon season. No construction can be permitted in the nalla. The applicant shall be solely responsible for ensuring that the flow of water in the nalla will not be obstructed in any way and the natural gradient will be maintained. The responsibility to ensure that no sewage or debris are dumped in nalla as also no encroachment happens during construction and the subsequent responsibility shall be solely on the applicant. Since survey for Flood line delineation has not been carried out. According to Urban Development Department directives you are directed to have your constructions maintaining distance of 9.00 meter from the edge of the nalla. The Assistant Engineer (Grade-1) of Irrigation Sub-Division, Karjat shall be kept informed at the time of construction work.

- PP submitted the revised water balance considering monsoon and non monsoon period.
- Undertaking for sending RO reject to main plan at Plot T-2 from proposed project at Plot T-2/part "*RO reject (11 cmd)* from Plot T-2/part will be sent to the 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 main plant at Plot T-2. As per water balance provide for the proposed plant, there will be no discharge outside and ZLD will be maintained.
- PP submitted the following action plan w.r.t CPA compliance as per OM dated 31.10.2019

No	Environmental component	Mitigation measures	Compliance						
		i) Stack emission	IGPL proposes to use Natural gas for and Generator set. Adequate stack heigh						
1		levels should be stringent than the existing standards in	Stack attached to	Stack Ht., Fuel quantity					
		terms of the identified critical		Natural gas: 650 SCM/hr					
		pollutants.	850 Kg/hr Boiler 3	30 Natural gas: 70					

No	Environmental component	Mitigation measures	Compliance				
			SCM/hr 1000 KVA Generator set 30 SCM/hr				
		<ul> <li>ii) CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.</li> </ul>	IGPL proposes to use Natural gas. Hence monitoring will be provided as directed by MPCB.				
	K K	iii) Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	<ul><li>Pumps handling chemicals will be provided with mechanical seals.</li><li>Storage tanks storing alcohols will be provided with breather valve</li></ul>				
		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. 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).	50       Lacs       Kcals/hr       Thermic       Fluid Natural       gas:       650         Heater       SCM/hr         850       Kg/hr       Boiler       Natural       gas:       70       SCM/hr         1000       KVA power Generator set       Natural       gas:       300				
		vi) Best Available Technology may be used. (For example, usage of EAF/SAF/IF					

No	Environmental component	Mitigation measures	Compliance
		in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology).	<ul><li>efficient agitators for reactors across the plant.</li><li>Predictive and preventive maintenance programs to avoid equipment breakdown and ensure timely maintenance.</li></ul>
		belt cover by 40% of the total land area beyond the	Proposed project involves development of green belt area as follows- Green belt area within plot: 1501.42 sq. m, Green belt area adjacent on OS-44: 5813.40 sq. m 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 plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11th November 2020) is submitted.
		as avenue plantation,	IGPL proposes to plant saplings in additional area of 9396.6 sq. m within MIDC. In addition to this, IGPL also plant saplings under CER activity in consultation with District authority.
		on roads inside the industrial premises. If	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
2	Water	i) Reuse/ recycle of treated wastewater, wherever feasible	Trade effluent- 61 cmd, Domestic sewage- 10 cmd Final treated effluent from RO permeate of 60 cmd will be recycled for utilities in Plot T-2/part. RO reject (11 cmd) from Plot T-2/part will be sent to main plant at Plot T-2 and will be recycled to utilities in plot T-2. There is no increase in CETP discharge of 220 cmd from Plot T-2.
			Flow meter will be installed to RO reject outlet along with web camera and connected to MPCB/ CPCB server as per MoEF&CC guidelines.
		<li>iii) A detailed water harvesting plan may be submitted by the project proponent.</li>	Averagerainfall( <i>asperCGWBreport</i> ) 3016mm(3.016m)

No	Environmental component	Mitigation measures	Compliance				
			Assuming120daysrainfall x0.8=3780m3 potential				
			Harvested rainwater of 31 cmd will be stored in raw water tanks and used during monsoon season.				
		iv) 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.				
		<ul> <li>v) In case, domestic waste water generation is more than 10 KLD, the industry may install STP.</li> </ul>	Domestic sewage (10 cmd) will be treated in aeration tank of ETP.				
3	Land	<ul> <li>i) Increase of green Proposed project involves development of green belt area as follows- belt cover by 40% of Green belt area within plot: 1501.42 sq. m, the total land area Green belt area adjacent on plot OS-44: 5813.40 sq. m</li> <li>beyond the 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 requirement of 33%, on plot OS-44, copy of agreement and possession letter (Possession letter no. wherever, feasible for MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11th November 2020) is new projects.</li> </ul>					
		ii) Stipulation of greenbelt outside the project premises such as avenue plantation,	IGPL proposes to plant saplings in additional area of 9396.6 sq. m within MIDC. In addition to this, IGPL also plant saplings under CER activity in consultation with District authority.				
		niance .	There will not be any dumping of waste. No use of coal, hence fly ash will not be generated. Below are waste & its disposal- Hazardous waste				
		iii) Dumping of	Sr. No. Type of waste Category Quantity UOM Disposal				
		waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations	DiscardedNos./Saleto1containers/33.11000AauthorizedBarrels/ linerspartyauthorized				
		approved by SPCBs/ PCCs.	2 Discarded bags used for 33.1 2.5 MT/ A Sale to authorized party				
			3 Spent Carbon 36.2 150 $\frac{\text{MT}}{\text{A}}$ CHWTSDF				
			4 Used oil/ Spent 5.1 2 MT/ Sale to				

No	Environmental component	Mitigation measures	Compliance	
			oil A authorized party/ CHWTSDF	
			Chemical 5 Sludge from 35.3 25 MT/ ETP A CHWTSDF	
			$6  \frac{\text{Tank}}{\text{Sludge}}  \begin{array}{c} \text{Bottom} \\ \text{3.3} \\ \end{array}  \begin{array}{c} 5 \\ \text{A} \end{array}  \begin{array}{c} \text{MT/} \\ \text{A} \\ \end{array}  \begin{array}{c} \text{CHWTSDF} \\ \end{array}$	
			7 Waste Oil 5.2 2 MT/ A CHWTSDF	
			Non- Hazardous waste quantities and its disposal	
		6	No         Type of waste         Unit         Quantity         Treatment & or Disposal	
			1 Garbage, Food Kg/M 300 Vermicomposting and manure to use for green belt	
			Other glass 2 waste, paper Kg/M 500 waste To authorized disposal site for recycle	
	2		Biological sludge Used as manure for from wastewater MT/A 72 green belt/ as directed by treatment MPCB Insulation/	
			4 packing material, MT/A 12 By sale / CHWTSDF scrap material	
	a a		ITtelecom/Sale to Authorized E5Electrical,Kg/M 100waste recycler approvedElectronic wasteby MPCB	
			Onno,	6 Battery waste Kg/M 20 Sale to Authorized MPCB
		in nee	7 Plastic waste Kg/M 100 Sale to Authorized MPCB	
			en	
			Demolition waste quantities and its disposal Type of Waste Quantity UOM Disposal	
			Waste designated/ authorized place in Concrete ~250 MT consultation of MIDC authority for landfilling	
			Steel ~100 MT To be reused within site/ Sale to Authorized recycler	
			Tin sheet ~50 MT To be reused for barricading the site during construction phase	
		norms for	Management of hazardous waste is and will be carried out as per Ha and Other Wastes (Management and Transboundary Movement) Rul and subsequent amendments. Details are given in above point no. iii.	

No	Environmental component	Mitigation measures		Com	pliance			
		hazardous waste. The waste generated should be preferably utilized in co- processing.						
4	Other Condition (Additional)	i) Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Not applicable. Applying for	first Envi	ronmental c	elearance.		
		e	Proposed project cost is Rs. As per OM dated 01.05.201 >Rs. 100 Cr to Rs. 500 Cr, C Since, the project is located 01.05.2018. CER budget of Rs. 1.9 Crore	8, for bro ER budge in SPA, s is propo	wnfield pro at is 0.75% of CER is 1.5 sed. e allocation	of capital inv times of sla of Fund (I	estment. ab given	
		ii) The % of the CER	Proposed Activity	1stYr	Lak 2ndYr	3rdYr	Total	-
		may be at least 1.5 times the slabs given	Solar panel	10	( <b>April - N</b> 17	20	47	
		in the OM dated 01.05.2018 for SPA	Drinking Water facility	15	15	20	50	
		and 2 times for CPA in case of Environmental	Watershed management	7	12	16	35	
		Clearance.	Tree plantation within MIDC	8	10	15	33	-
			Wildlife conservation	7	8	10	25	-
		i anco	Total Note: Amounts in CE the investment in the Above activities ma District authority. The CER plan is prepared an	project pr y change	ogresses. subject to	suggestion.	s from	ral.

• PP submitted the coordinates of green belt area on OS-44 plot

Point	Latitude	Longitude
1	19° 5'21.03"N	73° 7'32.46"E
2	19° 5'13.06"N	73° 7'34.96"E
3	19° 5'12.78"N	73° 7'35.92"E
4	19° 5'13.68"N	73° 7'39.12"E
5	19° 5'12.91"N	73° 7'39.36"E
6	19° 5'11.92"N	73° 7'34.92"E
7	19° 5'20.93"N	73° 7'32.15"E

- PP submitted storm water drain plan and ensure that it will be discharged to MIDC main storm water drain( storm water drains considering plinth area of proposed project. All storm water drain gradients will be designed in a way that will lead to MIDC main drainage located to north of site along the MIDC road)
- Revised CER details

Year wise allocation of Fund (INR In Lakh)							
1stYr	1stYr 2ndYr 3rdYr						
	(April - March)						
10	17	20	47				
15	15	20	50				
7	12	16	35				
8	10	15	33				
7	8	10	25				
47	62	81	190				
	1stYr           10           15           7           8           7	1stYr         2ndYr           (Apri           10         17           15         15           7         12           8         10           7         8	1stYr         2ndYr         3rdYr           (April - March)           10         17         20           15         15         20           7         12         16           8         10         15           7         8         10				

**Note:** Amounts in CER fund mentioned above will be spent as the investment in the project progresses Above activities may change subject to your guidance

## Carbon sequestration study

	Name of Produ <mark>ct</mark>		MA used	Emission for melting kg CO2equ.	transportation kg	0 0 0	extra kg	production	Ton CO2equivalent /Annum
11	DIOP- DOP	381.08	<mark>0.00</mark>	26.07	3.41	4.87	34.35	308 <mark>09</mark>	1058
2	DINP	354.61	<mark>0.00</mark>	24.26	3.17	4.53	31.96	263 <mark>31</mark>	842
13 1	DIBP- DBP	532.00	0.00	36.39	4.76	6.80	47.95	17 <mark>61</mark> 0	844
4	DIDP	334.00	0.00	22.85	2.99	4.26	30.1	<mark>25</mark> 0	8
5	DBM	0.00	430.31	<mark>29.</mark> 44	3.85	8.22	41.51	250	10
6	DOM	0.00	288.76	<mark>19.75</mark>	2.58	5.51	27.84	250	7
	Total		- 24		C C C	REF		5	2769

PP informed that Greenbelt area will be 7314.82 sq. m (42% of plot area) [within plot: 1501.42 sq. m & adjacent plot OS-44: 5813.40 sq. m]. IGPL has agreement with MIDC and received MIDC possession receipt dt. 24.11.2020 for plot OS-44. 1830 nos. of trees will be developed (As per TOR condition 14(xiii)- Green belt development with 2500/ha Number of saplings). Budget of Rs. 25 lakhs for green belt development, Rs. 5 lakhs per year for maintenance.

The committee was satisfied with the response provided by PP on above information.

The EAC constituted under the provisions of the EIA Notification, 2006 comprising Expert Members / domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the COI/ NABET on behalf of the PP.

The EAC noted that the PP has given an undertaking to the effect that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the PP.

The EAC noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The EAC deliberated the Onsite and Offsite Emergency plans and also the various mitigation measures proposed during

the implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as amended from time to time.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for the grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

# 24. The EAC, after detailed deliberations, recommended the expansion project for the grant of environmental clearance, subject to the compliance of the terms and conditions as under, and general terms and conditions :

- 1. 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.
- 2. Total fresh water requirement from MIDC water supply shall not exceed 348KLD.
- 3. 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.
- 4. Total wastewater generation shall not exceed 71m3/day (Trade effluent- 61, Domestic sewage- 10). Total wastewater shall be treated 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 MEE-ATFD 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.
- 5. PP shal 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 nala.
- 6. The green belt of at least 10 m-15m width shall be developed over an area of7314.82, sq. m (within plot- 1501.42sq. m,, on adjacent OS-44 plot- 5813.40sq. 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&CC. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be 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.
- 7. Harvested rainwater of 31 cmd shall be stored in raw water tanks and used during monsoon season.
- 8. 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 used as manure for greenbelt development
- 9. Monitoring of the compliance of EC conditions shall be submitted with third party audit every year.
- 10. As proposed, an amount of 190 Lakhs shall be allocated towards CER.
- 11. 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 Environmet 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.

- 12. 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 respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP [9.7 Crore (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.
- 13. 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.
- 14. 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.
- 15. 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 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.
- 16. 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.
- 17. 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.
- 18. 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 & employees shall be provided with required safety kits/mask for personal protection.
- 19. 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.
- 20. 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.
- 21. 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.
- 22. 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 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.
- 23. 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.
- 24. 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.
- 25. 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 case of operational failure of Air Pollution Control Equipment.

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

27. As proposed, PP shall comply with the following mitigation measures as Per Ministry's Office Memorandum 31st
October, 2019 regarding Projects located in Critically Polluted Area

No	Environmental component	Mitigation measures	Compliance					
1	Air	i) Stack emission levels should be stringent than the	Stackattachedto     Stack HL., Fuel quantity       50 Lacs Kcals/hr Thermic Fluid     30       Heater     Natural       SCM/hr					
		(air polluting) and connected to SPCB and CPCB server. iii) Effective fugitive emission control	<ul> <li>IGPL proposes to use Natural gas. Hence monitoring will be provided as directed by MPCB.</li> <li>Fugitive emission control measures will be adopted as below, Packaging as well as charging of solid material will be in closed system.</li> <li>VOC emission control</li> <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</li> </ul>					
		-	<ul> <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> <li>Main raw material molten Phthalic anhydride will be supplied from main plant Plot T-2 through pipeline.</li> </ul>					

No	Environmental component	Mitigation measures	Compliance					
		wherever feasible.	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. 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.					
			IGPL proposes to use Natural gas for proposed Boiler, Thermic fluid heater and Generator set.					
		v) Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).	Stack attachedto       Fuel quantity         50       Lacs       Kcals/hr       Thermic       Fluid Natural       gas:       650         Heater       SCM/hr       SCM/hr       Natural gas:       70 SCM/hr         1000 KVA power Generator set       Natural       gas:       300         SCM/hr       SCM/hr       SCM/hr       SCM/hr					
	Kba	vi) Best Available Technology may be used. (For example, usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology).	<ul> <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</li> </ul>					
		belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible	Proposed project involves development of green belt area as follows- Green belt area within plot: 1501.42 sq. m, Green belt area adjacent on OS-44: 5813.40 sq. m 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 plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11th November 2020) is mentioned as <b>Annexure 2.2</b> of EIA report.					
		as avenue plantation,	IGPL proposes to plant saplings in additional area of 9396.6 sq. m within MIDC. In addition to this, IGPL also plant saplings under CER activity in consultation with District authority.					
		ix) Assessment of carrying capacity of transportation load on roads inside the industrial premises. If	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					
2	Water	· ·	Trade effluent- 61 cmd, Domestic sewage- 10 cmd Final treated effluent from RO permeate of 60 cmd will be recycled for					

No	Environmental component	Mitigation measures	Compliance
			utilities in Plot T-2/part. RO reject (11 cmd) from Plot T-2/part will be sent to main plant at Plot T-2 and will be recycled to utilities in plot T-2.
			Flow meter will be installed to RO reject 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.	Waterrunoffcoefficient 0.8
		discharge- wherever-	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. There is no increase in CETP discharge of 220 cmd from Plot T-2.
		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.
3	Land	belt cover by 40% of the total land area beyond the permissible requirement of 33%,	Proposed project involves development of green belt area as follows- Green belt area within plot: 1501.42 sq. m, Green belt area adjacent on plot OS-44: 5813.40 sq. m 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 plot OS-44, copy of agreement and possession letter (Possession letter no. MIDC/ROMHP/TLJ/OS-44/T-2/2158 dated 11th November 2020) is submitted.
		as avenue plantation,	

No	component     7       b     b	Mitigation measures	Compliance																									
		There w be gener	There will not be any dumping of waste. No use of coal, hence fly ash will r be generated. Below are waste & its disposal-																									
			 	Hazardous waste																								
				Sr.	Type of w		Catego	orv Ouant	tity UOM	Disposal	]																	
				<b>No.</b> 1	Discarded containers/ Barrels/ lin		33.1	1000	Nos./ A	Sale authorized party	to																	
				2	Discarded used hazardous chemicals	bags for	33.1	2.5	MT/ A	Sale authorized party	to																	
		iii) Dumping of	3	3	Spent Carb	on	36.2	150	MT/ A	CHWTSDF																		
				1	Used oil/ s oil	Spent	5.1	2	MT/ A	Sale authorized party/ CHWTSDF	to																	
			ii) Dumping of	iii) Dumping of	iii) Dumping of		5	ETP	from		25	MT/ A	CHWTSDF															
		waste (fly ash, slag, red mud, etc.) may be		5	Tank Bo Sludge	ottom	3.3	5	MT/ A	CHWTSDF																		
		permitted only at designated locations		7	Waste Oil		5.2	2	MT/ A	CHWTSDF																		
		approved by SPCBs/ PCCs.		Non- Hazardous waste quantities and its disposal							_																	
				No. Type of waste Unit Quantity Treatment &																								
			C/		Garbage, waste	Food	l Kg/M	300	Vermico		and een																	
				e-	e	e	e													2	2 1	Other waste, waste	glass paper	Kg/M	500	To auth site for re	orized dispo ecycle	osal
																			3 1 1	Biological s from waste treatment	-		72		s manure lt/ as directed	for by		
															4 1	Insulation/ packing ma scrap materi		, MT/A	12	By sale /	CHWTSDF							
							5 1	IT tele Electrical, Electronic w	ecom/ /aste	′ Kg/M	100	waste re by MPCI		ved														
			6	5 ]	Battery was	te	Kg/M	20	Sale t recycler MPCB	o Authoriz approved																		
			7	7]	Plastic wast	e	Kg/M	100		o Authoriz	zed																	

No	Environmental component	Mitigation measures	Compliance							
			Non- Hazardous waste quantities and its disposal							
			NoType of wasteUnitQuantityTreatment & or Disposal							
			recycler approved by MPCB							
			Demolition waste quantities and its disposal							
			Type of Waste Quantity UOM Disposal							
			Concrete ~250 MT consultation of MIDC authority for landfilling							
		<sup>ر</sup> ۲	Steel ~100 MT To be reused within site/ Sale to Authorized recycler							
			Tin sheet ~50 MT To be reused for barricading the site during construction phase							
		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 Hazardo and Other Wastes (Management and Transboundary Movement) Rules, 20 and subsequent amendments. Details are given in above point no. iii.							
4	Other Condition (Additional)	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	Proposed project cost is Rs. 170 Crores. As per OM dated 01.05.2018, for brownfield project with capital investme >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 C 01.05.2018. CER budget of Rs. 1.9 Crores is proposed.							
		may be at least 1.5 times the slabs given	Year wise allocation of Fund (INR In Lakh)							
		in the OM dated 01.05.2018 for SPA	Proposed Activity 1stYr 2ndYr 3rdYr Total							
		and 2 times for CPA	(April - March)							
		in case of Environmental	Solar panel 10 17 20 47 installations							
		Clearance.	Drinking Water 15 15 20 50 facility							
			Watershed 7 12 16 <b>35</b> management							
			Tree         plantation 8         10         15         33							

No	Environmental component	Mitigation measures	Compliance						
					Year wise allocation of Fund (INR In Lakh)				
				Proposed Activity	1stYr	2ndYr	3rdYr	Total	
						(April - March)			
				within MIDC	•				
				Wildlife conservation	7	8	10	25	
				Total	47	62	81	190	
		6.		<b>Note:</b> Amounts in C. the investment in the Above activities ma District authority. ER plan is prepared ar	project pr ay chang	rogresses. e subject	to suggest	ions from	

#### General Conditions:

i. 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 required, if any.

ii. 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.

iii. The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

iv. 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).

v. 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 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.

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.

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.

ix. 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&CC by e-mail.

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 **https://parivesh.nic.in**/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

xi. 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.

xii. 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.

25. 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.** 

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.

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.

28. 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.

29. 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 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.

30. 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.

31. 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.

32. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

33. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein

This issues with the approval of the Competent Authority.

## <u>Copy To</u>

Copy to

- 1. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
- 2. The Secretary, Environment and Climate Change Department, Govt. of Maharashtra, New Administrative Bhavan, 15th Floor, Madame Kama Road, Mantralaya, MUMBAI 400032, Maharashtra, India.
- 3. The Office of the Principal Chief Conservator of Forests (Head of Forests Force) M.S. Nagpur, 3rd Floor Van Bhavan

Ramgiri Road Civil Lines Nagpur 440 001.

- 4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
- 5. The Member, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi 110011.
- 6. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
- 7. The District Collector, District Collector Office, Near Hirakot Lake, Tahasil-Alibag, District-Raigad, Pin 402201 (Maharashtra)
- 8. Guard File/Record File/Monitoring File / MoEF&CC Website.

## Additional EC Conditions

## Annexure 1

PP shall comply with all the conditions stipulated in the NOC dated 6.1.2018 issued by the Executive Engineer, Raigad Irrigation Department Kolad. *PP shall also ensure that no sewage or debris are dumped into nalla*.

