I G PETROCHEMICALS LIMITED

Date: 1st Dec 2025

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

Sub: Submission of Six-Monthly Environmental Clearance Compliance Status Report.
Ref.: Environmental clearances granted for expansion of petrochemical unit, by MoEF & CC vides clearance no.

1.PA-I EXPANSION EC NO-I-11013/14/2007-IA 11 (I) dated: 12th June, 2007.
2.PA-II EC NO -)-11012/78/96-IA dated 20thTune 1997.
3.PA-III & BENZOIC ACID EC NO-I-11011/994/2007/I A (11) I, Dated: 03.12.2009.
4.MA-III EC NO -I-11011/986/2007-IA -11(I) dated 2nd April 2008.
5.PA-IV, MA-IV, BENZOIC ACID EXPANSION-PLASTICIZER EC NO-I-1011/73/
6.2016- IA-II (I), Dated: 18th July, 2017 & amendment in same is received on 20th February 2018.
7.PA-V F.NO-J-11011/73/2016-IA-II(I), Dated:14th March 2022 and Amendment EC F.NO. J-11011/73/2016-IA-II(I) dated 06th Oct 2022.

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- 2025 – SEPT 2025.** We hope the above is to your satisfaction.

Thanking You,
Yours faithfully

IG PETROCHEMICALS LIMITED TALOJA MIDC

(P M PANCHAKSHRIAH)
PRESIDENT – PRODUCTION & TECHNICAL SERVICES

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.

Ref	**PA-I EXPANSION EC COMPLIANCE REPORT APR 2025 - SEPT 2025** **EC No. J-11013/14/2007-IAII (I) dated 12.06.2007.**
To	I G Petrochemicals Ltd, T-2, MIDC Taloja
Status	PLANT EXPANSION COMPLETED IN THE YEAR 2008

It is noted that the proposal is for capacity addition of 26,110 MTA of Phthalic Anhydride to the existing 90,000 TPA by change in catalyst on 'No- Increase in Pollution Load' basis. The technology for the plant has been supplied by Lurgi of Germany. The unit PA – I was installed in 1992 with a capacity of 45,000 MTA and PA – II was set up in 1997 with the same capacity. PA – II was undertaken after the Environmental Clearance from the ministry. The expansion capacity is due the proposed use of a new generation catalyst supplied by BASF of Germany which will increase the yield of product. For this purpose, PA- I will need de-bottlenecking while PA- II will be in a position to handle the extra load. The Maharashtra Pollution Control Board has issued Consent to Establish for the project on 16.09.2006. The cost of the project is Rs. 04.68 Crores.

This Environmental Clearance was obtained for debottlenecking of plant for capacity 26110 TPA. Consolidated Consent to Operate for existing Plant PA –I, PA – II, PA – III, PA – IV & PA –V is obtained which is commissioned. Actual production details as per listed below:

Product	**As per Environmental Clearances**	**As per Consent to Operate (2023)**	**Actual Production**		**Remarks**
			APRIL 2024-MARCH 2025 full year	**APR 2025 - SEPT 2025**	
Phthalic Anhydride	PAI+PAII90000 MTPA PAI EXP 26110	275110 MT/A	204069 MT	10528.2 MT	• We are well within the

	MTPA PAIII 53000 MTPA PA IV 53000 MTPA PA V 53000 MTPA				prescribed limit of EC & Consent
Benzoic Acid	2000 MT/A	2000 MT/A	714 MT	414 MT	
Maleic Anhydride	9110 MT/A	9110 MT/A	6508 MT	3441.2 MT	
Di Ethyl Phthalate	12600 MT/A	12600 MT/A	6579 MT	3001.5 MT	
Power (Exported to Grid)	2.5 MW	2.5 MW	NIL	NIL	

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11013/14/2007-IAII (I) dated 12.06.2007 is complied.

The project activity is listed at 5 (f) in the Schedule of the EIA Notification, 2006 and is of 'B' Category being in the industrial area and shall not require Public Hearing. Based on the information provided by you, the Ministry of Environment and Forest hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and Generation condition

OK. Above condition is noted.

A.	**Specific Conditions:**	
i.	**Due to this proposed de-bottlenecking,**	We are regularly monitoring Air pollution

	there will be a reduction in the generation of pollutants. The air pollution load will be reducing from 375.6 kg/hr to 366.50 kg/hr for PA-I and from 398.3 kg/hr to 336.40 kg/hr for PA-II. This will reduce the TOC in the scrubber outlet as inlet load will be reduced. Total DM water usage will be reduced from 3816 m^3/hr to 3600 m^3/hr due to reduced organics levels in the off gases.	through MoEF recognized laboratory. TOC monitoring reports for **APR 2025 - SEPT 2025** are enclosed under **ANNEXURE –II.** We have also provided online monitoring system for stack emissions and effluent which is linked directly with CPCB /MPCB servers. **REFER ANNEXURE XVI FOR OCEMS DASHBOARD.**
ii.	**The DM makeup water will further be reduced to 2348 m^3/month from 2434 m^3/month. The total effluent generation from both the plants will reduce from 2304 m^3/month to 2088 m^3/month.**	Yes, Agreed. The total water consumption and effluent generation are under the consented quantities. Data on Actual Water Consumption & Waste Water Generation for **APR 2025 - SEPT 2025** period is enclosed as **ANNEXURE – III.**
iii.	**There will be no change in the quantity of distillate residue generated. It will be disposed off as per the authorization from MPCB.**	Yes, Agreed. Data on Residue Generation **APR 2025 - SEPT 2025** period is enclosed as **ANNEXURE –IV**.
iv.	**There will be no increase in Storage tanks.**	There was no additional storage tank installed for this project. Subsequently, new storage tanks have been installed with due permission from MoEF by getting subsequent EC's. **Fix roof tanks are converted to Internal Floating Roof. EC No.J.11012/78/96-IA-II Dated 20th June 1997 of PA – II Plant expansion. EC No. J-11011/994/2007/I A (II) I dated: 03.12.2009 of PA –III plant expansion.** **EC No. IA/MH/IND2/50347/2016. Dated**

		09.03.2017 PA-IV plant Expansion.
v.	**All other conditions prescribed by Ministry at the time of expansion of PA- II will be prevail.**	Yes, six monthly reports for all ECs are being submitted regularly **ANNEXURE –V.**
vi.	**Fugitive emissions, especially in the work zone shall be regularly monitored and records be maintained**	Yes, Noted. Work zone monitoring reports for **APR 2025 - SEPT 2025**period are enclosed under **ANNEXURE – II**
vii.	**Raw material will be stored in covered yards. Water sprinkling arrangement should be made in the raw material stock yard to control fugitive emissions.**	Major Raw Material is o-Xylene which is liquid in nature. Stored in Storage tanks with sprinklers arrangement. The installation is CCoE approved. **Fix roof tanks are converted to Internal Floating Roof tanks.** Photographs showing designated storage area for storage of raw material: O-xylene are enclosed as **ANNEXURE – VI.**
viii.	**Acoustic enclosure will be installed to limit the noise levels below 85 dBA.**	Yes, Enclosures have been provided at various Noise Generating locations. Maximum Noise Level measured is 73.7 dBA in the month of April 2025. Monitoring Reports for the period **APR 2025 - SEPT 2025** are enclosed as **ANNEXURE – II**
ix.	**The company shall strictly follow all the relevant guidelines of CPCB given from time to time.**	Complied.
x.	**25% of the total land area will developed as green belt.**	Adequate green belt has been developed .
xi.	**The company shall harvest surface as well**	Yes, we have installed rainwater harvesting

	as rainwater from the rooftops of the building proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	system and recovered **25576** m3 of rain water during **APR 2025 - SEPT 2025**.
xii.	**Occupational health surveillance program shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.**	Regular medical check-ups of all the employees are conducted. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer **ANNEXURE – VIII.** Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in Form-7. **ANNEXURE – VIII.**

B.	**General Conditions:**	
i.	**The project authority must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and State Government.**	Yes, agreed. We have received Consent to Operate from Maharashtra Pollution Control Board vide no. Format 1.0/CAC/UAN No. MPCB CONSENT - 0000170581/CO/2312001056 Dated: 09/12/2023, valid up to 31/08/2026. Copy of same is enclosed as **ANNEXURE – XV.**

ii.	**No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.**	Agreed. All subsequent expansions were carried out after obtaining Environmental Clearances from MOEF & CC.
iii.	**Regular Ambient Air Quality Monitoring shall be carried out. The monitoring stations will be set up in consultation with the SPCB. At least four Ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO_2 and NOx are anticipated in consultation with the SPCB. It will be ensured that at least one monitoring station is set up in up-wind & down-wind direction along with those in other directions. On-line data for air emissions shall be transferred to the CPCB and SPCB once in six months. The instruments used for ambient air quality monitoring shall be calibrated regularly.**	We are regularly monitoring Ambient Air Quality through MoEF & CC recognized laboratory. Ambient Air Quality monitoring stations are set up as per guidelines of SPCB. Same are undertaken at industry premises. Ambient Air Monitoring Reports for **APR 2025 - SEPT 2025** period is enclosed as **ANNEXURE – II.**
iv.	**Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the SPCB. Regular monitoring shall be carried out for relevant parameters.**	We are regularly monitoring effluent quality through MoEF recognized laboratory. Effluent monitored at intermediate stages of ETP. Inlet / Outlet of ETP monitoring Reports for the period **APR 2025 - SEPT 2025** are enclosed under **ANNEXURE – II** We have also provided online monitoring system for effluent which is linked directly with CPCB /MPCB server for effluent**. REFER ANNEXURE – XVI FOR OCEMS DASHBOARD.**
v.	**Industrial waste water shall be properly**	Analysis being done as per MPCB consent

	collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	norms and has been extended to cover all parameters as per GSR 422 (E). Reports for the period **APR 2025 - SEPT 2025** are enclosed under **ANNEXURE – II**
vi.	**The overall noise levels in and around the plant area shall be limited within the prescribed standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.**	Yes, above condition is complied with. We have provided enclosures, hood etc. to ensure noise level is under control. Regular ambient Nosie monitoring is carried out within the unit and at fence level. All high noise generating sources are enclosed. Regular Noise Level monitoring undertaken. Maximum Noise Level measured is **73.7** dBA in the month of April 2025. Reports for the period **APR 2025 - SEPT 2025** are enclosed as **ANNEXURE - II** showing compliance.
vii.	**Proper House Keeping and adequate occupational health programs shall be taken up. Regular Occupational Health Surveillance Programme for the employees and contract workers shall be carried as per the Factories Act and records shall be maintained properly for at least 30-40 years.**	Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in Form-7. **ANNEXURE – VIII.**
viii.	**A separate environment management cell with full fledge laboratory facilities to carry**	Separate Environment Management Team under HoD – Health, Safety & Environment

	out various management and monitoring functions shall be set up under the control of a Senior Executive.	(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.
ix.	**Separate funds will be earmarked for the environmental protection measures and shall be used judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.**	Yes, we have provided separate funds for Environmental Protection Measures and we affirm that same will not be diverted for any other purpose, Budget for Environment Protection is enclosed as **ANNEXURE - IX**
x.	**Concerned Regional Office of this Ministry / SPCB / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.**	Yes, we are regularly submitting six monthly compliance report to the ministry / SPCB / CPCB. Please refer **ANNEXURE – V** for last submitted six monthly compliance report.
xi.	**The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter**	Yes, we had advertised in two local newspapers in vernacular languages such as Marathi at Navshakti & in English at Free Press Journal. Copy of advertisement is enclosed as **ANNEXURE – X.**

	are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry and Forests at http;//envfor.nic.in. The advertisement should be made within 7 days from the date of issue of the clearance letter and copy of the same should be forwarded to the Ministry's Regional Office at Bhopal.	
xii.	**The project authority 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 land development work.**	Yes, complied. MPCB CTO No. BO/RO-NM/PCI-I/1208-08/0/CC-193 dated 22nd Dec 2008 is available. This was expansion project.
	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Yes, Agreed.
	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.	Yes. Noted.

Ref	**PA-II EC COMPLIANCE REPORT APR 2025 – SEPT 2025** **EC No.J.11012/78/96-IA-II Dated 20th June 1997**
To	IG Petrochemicals Ltd, T-2, MIDC Taloja
For	Manufacture of Products like Phthalic Anhydride, Benzoic Acid and Power.
Status	PA-II PROJECT WAS COMPLETED AND COMISSIONED IN YEAR 1998.

	EC Condition	
		status
i.	**The project authorities must strictly adhere to the stipulations made by Maharashtra State Pollution Control Board and the state Government.**	Consent to Operate /Authorization from MPCB has been obtained. **Format1.0/CAC/UAN No. MPCB CONSENT_ AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. Copy of same is enclosed as **ANNEXURE – XV.**
ii.	**No expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.**	Yes, agreed. For further expansion (installation of new plants of Phthalic Anhydride/Maleic Anhydride/benzoic acid) we have received EC No J-11011/73/2016-IA-II(I) dated 14th Mar 2022.
iii.	The gaseous emission from the various process units should adhere to the air emission standards specified in Part D, Schedule VI of Environmental (Protection) Second amendment and Rules, 1993. For boiler stack the EPA norms as per Notification dated 27th February, 1996	Regular stack / vent monitoring is being carried out through MoEF recognized lab. Refer **Annexure – II.** We have also provided online monitoring system which is linked directly with CPCB /MPCB server for stack emissions as well as effluent. **REFER ANNEXURE XVI FOR OCEMS DASHBOARD**

	should be complied. In case the standards stipulated by SPCB are more stringent than the EPA norms, the industry should follow the above. At no time the emission should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit the respective unit should *be* immediately put out of operation and should not be restarted until the control measures are rectified to achieve the desired efficiency.	
iv.	Ambient- Air quality monitoring stations should be set up in the downwind direction as well as at location.- where maximum ground level concentrations are anticipated. These locations should be fixed in consultation with the State Pollution Control Board. The number of air quality monitoring stations and frequency of monitoring should be selected on the basis of mathematical modelling to represent short term ground level concentrations, - human settlements, sensitive targets etc. Stack emissions from the process and boilers and incinerator should be monitored for SO2, NOX and SPM and record maintained. It is observed that SO2 concentration in the ambient air is 64 micrograms per cubic meters. This along with emission form the plant is expected to exceed ambient air quality standards.	Yes, the ambient air quality monitoring is carried out regularly in existing plants and same practice will be continued in future. **REFER ANNEXURE II** Regular stack / vent monitoring is being carried out through MoEF recognized laboratory. **REFER ANNEXURE II** We have also provided online monitoring system which is linked directly with CPCB /MPCB server for stack emissions as well as effluent**. REFER ANNEXURE XVI FOR OCEMS DASHBOARD**

	In view of the above, project proponent should provide necessary enhancement/changes in stack design to ensure that S02 level in the ambient air. is maintained within the stipulated norms. Data on ambient air quality and stack emission from boiler should be submitted to this Ministry once in six months along with the statistical analysis and interpretation.	The ambient air quality data is submitted along with 6 monthly EC compliance report. **REFER ANNEXURE II**
v.	Storage of solvents should be in accordance with the prescribed safety norms. Fugitive emissions should be prescribed safety norms. Fugitive emissions should be controlled, regularly monitored and data recorded. The monitored data should be submitted to this Ministry once in 6 months for review	Major Raw Material is o-Xylene which is liquid in nature. Stored in Storage Tanks with sprinklers arrangement. **Fix roof tanks are converted to Internal Floating Roof.** The installation is approved by CCOE. Photographs showing designated storage area for storage of raw material o-Xylene are enclosed as **ANNEXURE – VI.** There was no additional storage tank installed for this project. Subsequently, new storage tanks have been installed with due permission from MoEF by getting subsequent EC's. EC No. J-11011/994/2007/I A (II) I dated: 03.12.2009 of PA –III plant expansion. **EC No. IA/MH/IND2/50347/2016. Dated 09.03.2017 PA-IV plant Expansion.** **Refer ANNEXURE – II – Fugitive emission monitoring.**
vi.	The existing ETP facilities should be upgraded by providing tertiary treatment facilities to	The ETP plant was revamped in the years 1998 (incorporating tertiary treatment) and

	ensure that the existing discharges meet the norms stipulated by the SPCB/MINAS. .Further, as indicated in the BMP, a new ETP should be provided to treat the additional effluent load after the expansion. The treated effluent should meet the norms prescribed norms under Gazette Notification dated 2.4.96 Specifically BOD (3 days at 27 C) shall be 30 mg/l if discharged directly to a freshwater body. Bioassay test must be carried out to meet 90% survival after 96 hrs. in 100% effluent. Test shall be carried out as per ist6582-l97i. in case the treated effluent is proposed to be disposed into the CETP proposed at MIDC, adequate treatment facility should be provided to meet the CETP norms notified under the Environment (Protection) Rules, 1986.	also subsequently in the year 2013 to treat the additional load from the expansion before commissioning the Phase III plant. Bioassay test is already carried out on our effluent through MOEF recognized third party. Company is already a Member of CETP. Effluent after treatment is disposed to CETP as per MPCB norms as specified in CTO. The note on revamping of ETP is enclosed as **ANNEXURE – XI.** Upgradation of ETP has been completed incorporating RO & MEE to recycle total effluent which will be generated from expansion. In addition, part of the effluent from existing plant will also be recycled. We have reduced effluent discharge from 686 m^3/day to 220 m^3/day as stipulated in expansion CTO. Attached are few photographs ETP, RO & MEE. **ANNEXURE - XXV**
vii.	Regular effluent quality monitoring should be carried out on a 24-hour log and record instrumentation system and the monitored data along with the statistical analysis and interpretation should be submitted to this Ministry once in six months and to the State Pollution Control Board once in 3 months.	We have online emission and effluent monitoring system connected to CPCB and MPCB servers. Ref **ANNEXURE XVI**.
viii	Guard ponds of sufficient holding capacity should be provided to cope with the effluent discharge -during the process disturbances. In the event of 'failure or nonfunctioning of the ETP, the respective units should be immediately put out of operation and should	Holding tanks with total capacity 880 m3 for incoming effluent and 400 m3 treated effluent are provided as buffer for any upstream/downstream disturbances. These tanks are RCC tanks(with lining of Acid/alkali proof tile for acidic effluents)

	not be restarted until the control measures are rectified to achieve the desired efficiency.	
ix	The guard pond should be provided with impervious. lining and stability of the ponds with respect to leakages/cracks and other factors should be ensured	These tanks are RCC tanks with lining of Acid/alkali proof tile lining. The lining is checked and pointing & other repairs if required is done as preventive maintenance.
x	Adequate number of influent and effluent. Quality monitoring stations should be set up in consultation with the State Pollution Control Board	We have online effluent monitoring system connected to CPCB and MPCB servers. **Ref ANNEXURE XVI**. Regular in plant analysis of various streams of ETP are done in the laboratory.
xii	The hazardous wastes should be handled as per the Hazardous Wastes (Management and Handling) rules of the environment (Protection) Act, 1989	We are complying the hazardous waste management rules.
xiii	Handling, manufacturing storage and transport of hazardous chemicals should be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989	Complied
xiv	On-site and off-site Emergency Plan as required under the Rules 13 and 14 of the Manufacture, Storage and Import of the Hazardous Chemicals Rules, 1989 should be prepared and approval from the competent authority should be obtained.	We have the onsite and off-site emergency plan which is submitted to DISH (factory inspectorate).
xvi	A green belt of adequate width and density should be raised all around the proposed unit and township. Native plant species should be selected for this purpose in consultation with the local DFO. A norm of about 1500-2000 plants per ha. may be followed.	Adequate green belt has been developed within the plot.

xvii	Periodical medical checkup of the workers should be done and records maintained as a measure to provide occupational health service to the workers.	Regular medical check-ups of all the employees are conducted. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in Form-7. **ANNEXURE – VIII.**
xviii	The project authorities should set up laboratory facilities for collection, analysis of samples under the supervision of competent technical personnel who will report to the Chief Executive.	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.
xix	A separate environment management cell with suitably qualified people to carry out various functions should be set up under the control of senior executive who will report directly to the Head of the Organization.	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.

xx	The funds earmarked for the environmental protection measures should not be diverted for any other purpose and year wise expenditure should be reported to this Ministry and to the State Pollution Control Board under the Rules prescribed for environmental audit.	Yes, we have provided separate funds for Environmental Protection Measures and we affirm that same will not be diverted for any other purpose, Budget for Environment Protection is enclosed as **ANNEXURE – IX.**

Ref	**PA III EC COMPLIANCE REPORT** APR 2025 – SEPT 2025 **EC No. J-11011/994/2007/I A (II) I dated: 03.12.2009**
To	I.G. Petrochemicals Ltd, T-2, MIDC Taloja
Status	Project completed in the year 2013.

It is noted that M/s. IG Petrochemicals Limited have proposed to increase the manufacturing capacity of existing petrochemicals complex. The unit is located at MIDC, Taloja in District Raigad in Maharashtra. It is proposed to set up Phthalic Anhydride plant with capacity of 53,000 TPA, recovery of 1000 TPA of benzoic acid and generation of 2.5 MW power for its own use and export to state Electricity Board Grid. The phthalic anhydride will be recovered in switch condensers. The existing area of the plant is 20,491 m2 and additional area of 2522 m2 is proposed for the expansion project. Cost of the project is Rs. 148 crores.
The project has been completed in the year 2013. Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11011/994/2007/I A dated 03.12.2009.
It is noted that water requirement will increases from 2615 m3/day to 4117 m3/day which will be met from the MIDC supply. About 651 m3/day of effluent will be generated. The effluent after primary, secondary and tertiary treatment will be discharged to CETP, Taloja. Process emissions in the form of HCL and TOC will be controlled through scrubbers. Stack height of 55m is provided for boilers for dispersion of gaseous emissions. Stack height of 31m is provided for heaters and 30m for the DG sets.
The water requirements and effluent generation are within stipulated limits. **REFER ANNEX III** for water consumption and effluent generated during period APR 2025 – SEPT 2025. The effluent after primary, secondary & tertiary treatment is discharged to CETP, Taloja. Scrubbers have been provided for process emissions. The stack emissions are being monitored through OCEMS which is connected to CPCB/MPCB servers. Requisite stack heights have been provided.

A.	**SPECIFIC CONDITIONS:**	
i)	**The Company shall install full-fledged ETP to treat the process effluent and treated effluent after primary, secondary and tertiary treatment and confirming to the prescribed standards shall be sent to CETP for further treatment. The company shall construct a guard pond for treated effluent and shall carry out the bioassay test by collecting the treated effluent into guard pond before discharging into CETP. The reports shall be submitted to CPCB and Ministry's Regional Office at Bhopal.**	The existing ETP plant was revamped in 2013 to treat the additional load from the expansion before commissioning the Phase III plant. Holding tanks with total capacity 880 m3 for incoming effluent and 400 m3 treated effluent are provided in ETP. Bioassay test is already carried out on our effluent through MoEF recognized third party. Company is already a Member of CETP and all effluents shall be disposed to CETP. The note on revamping of ETP is enclosed as **ANNEXURE – XI.** We have continuous online effluent monitoring system (BOD, COD, pH, TSS) connected to CPCB and MPCB servers. Ref **ANNEXURE XVI**. We have further upgraded ETP by incorporating RO and MEE to recycle total effluent generated from ongoing expansion and also recycling part of the existing effluent, thus bringing consented effluent discharge from 686 m^3/day to 220 m^3/day. Ref **ANNEXURE-XXV** for details of upgradation.
ii)	**Process emissions in the form of HCl and TOC shall be controlled by installation of scrubbers. The company shall provide**	Process emissions are controlled by three stage scrubbers**.** Provision for sampling port hole and monitoring is being done.

	the monitoring arrangements with stack and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal. The gaseous emissions from the DG sets shall be dispersed through stack of adequate height as per CPCB / state pollution Control Board standards.	Scrubber is installed for scrubbing HCL vapors from storage tanks and day tanks. DG sets are provided with stack height of 15 & 30 m above roof, which is as per the Consent granted to our unit**.** Regular monitoring is carried out through MoEF & CC recognized laboratory. All stacks emission parameters are connected via OCEMS to CPCB and MPCB servers. Refer **ANNEXURE XVI** for snapshots of OCEMS Dashboards.
iii)	**The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their Website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal office of CPCB and State Pollution Control Board. The Pollutant levels namely, SPM, RSPM, SO2, NOx & CO (ambient levels as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.**	We are uploading compliance reports on our company web site (http://www.igpetro.com/quality#main-content). We are submitting 6 monthly compliances to various authorities as stipulated. We are regularly monitoring ambient air quality and stack emissions from various stacks. Display Board as specified by Honorable Supreme Court is put up at our Gate. Please refer **ANNEXURE – XII & ANNEXURE XXII**.
iv)	**Fugitive emission in the work zone environment, product, raw material storage area shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.**	We monitor the fugitive emissions at work place/shop floor as desired. The monitoring of work zone is carried out regularly. Please refer **ANNEXURE – II.**

v)	**The company shall explore the possibility of sending the spent carbon and bio sludge to the cement plants or spent carbon should be incinerated.**	Spent carbon is generated from ETP tertiary treatment process & DEP Plant, thus unsuitable for burning in cement plants. There is no Cement plant in 500 km distance from our unit. Hence, we shall dispose this in CHWTSDF Taloja (As per CTO) which is located in 2 km distance from our unit. Copy of MWML Membership Certificate is enclosed as **ANNEXURE – XIII** & Copy of Hazardous Waste Return submitted in form – IV for 2024 – 2025 is enclosed as **ANNEXURE – XIV.**
vi)	**The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import if Hazardous Chemicals, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.**	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed authority under the MSIHC Rules. Consent to Operate / Authorization from MPCB for PA –I, PA – II, PA – III and PA – IV plant is obtained with vide No. **Format1.0/CAC/UAN No. MPCB CONSENT_AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. **(ANNEXURE – XV).** We shall abide by the conditions of the Authorization. All hazardous chemicals/wastes are transported as per MVA, 1989 and through approved transporters of MPCB.

vii)	**The project authority shall obtain the membership of TSDF for disposal of solid and hazardous waste and copy of the same shall be submitted to the Ministry and Ministry's Regional Office at Bhopal. The company shall maintain the valid membership.**	Yes, complied. We have membership with CHWTSDF at Taloja and regularly disposing off our hazardous waste. Copy of the membership certificate enclosed as **ANNEXURE – XIII.**
viii)	**The company shall develop in land area of 35685 sq. ft, as per the CPCB guidelines to mitigate the effect of fugitive emissions.**	Adequate green belt has been developed.
ix)	**Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.**	Regular medical check-ups of all the employees are conducted. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in Form-7. **Please refer ANNEXURE – VIII.**

x)	**The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.**	Complied- entire plant is covered by a hydrant system, which is provided with separate fire water reservoir and emergency pumps (diesel operated). Fire extinguishers are kept in various parts of the plant depending upon type of fire hazard likely.
xi)	**The company shall comply with the recommendations made in the EIA/EMP and Risk Assessment Report**	We are abiding by the recommendations in the EIA/EMP and Risk assessment study.
B.	**GENERAL CONDITIONS:**	
i)	**The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.**	Amalgamated Consent to Operate /Authorization from MPCB is obtained has been obtained with vide No. **Format1.0/CAC/UAN No. MPCB CONSENT_AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. (ANNEXURE - XV). We shall abide by the conditions of the Consent /Authorization and other stipulations.
ii)	**No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alternations in the project proposal from those submitted to this \Ministry for clearance, a fresh reference**	Yes, agreed.

	shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
iii)	**At no time, the emissions shall exceed the prescribed limits. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.**	Yes, agreed.
iv)	**The gaseous emissions (NOx, SO2 and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions level shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO2, NOx and SPM shall be carried.**	Regular stack / vent monitoring is being carried out through MoEF recognized laboratory. We have also installed Online Continuous Environment Monitoring System which is linked directly with CPCB /MPCB servers for stack emissions as well as effluent. **REFER ANNEXURE XVI FOR OCEMS DASHBOARD.**
iv)	**The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is**	Yes, the ambient air quality monitoring is carried out regularly & will be continued. **REFER ANNEXURE II**

	installed in the up wind and downwind directions as well as where maximum ground level concentrations are anticipated.	
v)	**The overall noise levels in and around the plant area shall kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989 viz. 75 dBA (day Time) and 70 dBA (night time).**	Ambient and work place Noise level monitoring is carried out regularly in plants and same practice will be continued in future. We have taken all control measures as stipulated to control noise. Maximum Noise Level measured is 73.7 dBA in the month of April 2025. **REFER ANNEXURE II**
vii)	**The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management & risk mitigation measures relating to the project shall be implemented.**	Yes agreed.
viii)	**The company will undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.**	Company is undertaking various community welfare measure for improvement of the environment as under: Refer **ANNEX XVIII** for details

ix)	**The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.**	Company is undertaking various community welfare measure for improvement of the environment as under: Refer **ANNEX XVII & XXVI** for details
x)	**A separate Environmental Management Cell equipped with full fledge laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.**	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.
xi)	**The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.**	Budget for Environment Protection as stipulated in the EIA has been used for environmental protection in expansion project**.**

xii)	**The implementation of the project vis-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB / CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the company.**	Yes- being done regularly. **Refer ANNEXURE - V**
xiii)	**A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local body and local NGO, if any from whom suggestions / representations, if any were received while processing the proposal.**	Yes –submitted to Ghot Gram panchayat & Municipal Corporation. **Refer ANNEXURE - XXIII.**
xiv)	**The project proponent shall also submit six monthly reports on the status of compliance of conditions stipulated E C conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and State Pollution Control Board.**	Yes, six monthly reports are being submitted regularly. For Last submitted report refer **ANNEXURE V**
xv)	**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 State Pollution Control Board / Committee and may also be seen**	Complied- advertisement was placed in media on obtaining the Environmental clearance. Refers **ANNEXURE X**

	at Website of the Ministry and Forests at http;//envfor.nic.in. This shall be advertise within seven days from the date of issue of the clearance letter, at least two local **Newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned and copy of the same should be forwarded to the Ministry's Regional Office of the Ministry.**	
xvi)	**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 construction.**	The implementation of Phase IV PA, MA & Benzoic plants are done. Benzoic acid recovery project which envisages recovery of benzoic acid from residue and waste water is installed and commissioned – Consent to Operate copy attached. **Format1.0/CAC/UAN No. MPCB CONSENT_AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. (**ANNEXURE - XV**).
7)	**The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory**	Yes, above condition is noted.
8)	**The Ministry reserves the right to stipulate additional conditions. If found**	Yes, above condition is noted.

	necessary. The company is a time bound manner implements these conditions.	
9)	**Any appeal against this environmental clearance shall lie with the National Appellate Authority, if proffered within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.**	Yes, Noted.
10)	**The above conditions will be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of pollution) Act, 1981, The Environment Protection Act 1986, Hazardous Waste (Management & Handling) Rules, 2003/2008 and Public Liability Insurance Act, 1991 along with their amendments and rules.**	Yes, Noted.

Ref	**EC COMPLIANCE FOR THE PERIOD APR 2025 – SEPT 2025** **Maleic Anhydride (REVAMPING OF EXISTING MA-I AND MA-II PLANTS)** **EC No. J-11011/986/2007-IAII (I) dated 02/04/2008**
	EC No. J-11011/986/2007-IA II (I) dated 02/04/2008 was obtained by Mysore Petrochemicals Ltd, T-1, MIDC Taloja for expansion of Maleic Anhydride plant capacity from 5400 TPA to 6500TPA. This unit of Mysore Petrochemicals was sold to sister company IG Petrochemicals Ltd ,T-2, MIDC ,Taloja with effect from April 2017 and is amalgamated with I G Petrochemicals .
Status	PLANT EXPANSION COMPLETED IN THE YEAR 2013.

This Environmental Clearance was obtained for enhancing of plant for capacity of Maleic Anhydride from 5400 TPA to 6500TPA. Consolidated Consent to Operate for the amalgamated unit (IG Petrochemicals Ltd has been obtained on 16/03/2020

Product	**As per Environmental Clearances**	**As per Consent to Operate (2023)**	**Actual Production**		**Remarks**
			APRIL 2024-MARCH 2025 full year	**APR 2025 – SEPT 2025 (6 months)**	
Maleic Anhydride	7660 TPA	9110 TPA	6508 MT	3441.2 MT	We are well within the prescribed

					limit of EC & Consent

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11011/986/2007-IAII (I) dated 02.04.2008 is complied.

A.	**Specific Conditions:**	
i.	Ambient air quality monitoring stations, SPM, SO2 and NOX) shall be set up in the petrochemical unit in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs. Data on VOC shall be monitored and submitted to the SPCB / Ministry's Regional Office. Monitoring of VOC shall be undertaken.	Yes, the ambient air quality monitoring is carried out regularly & will be continued. **REFER ANNEXURE II**
ii.	The effluent generated after recovery of Maleic Anhydride from Scrubber effluent of M/s IG Petrochemicals Limited (IGPL) shall be sent back to ETP of IGPL for further Treatment.	Complied. The effluent generated in Maleic Anhydride plant is sent to ETP for further treatment. After amalgamation of Mysore Petrochemicals MA plant with IGPL, this effluent transfer is internal transfer to ETP.
iii.	The hazardous waste generated in the form of distillation residues shall be used as *a* fuel in heater of M/s IG Petrochemical Limited.	Complied. Refer **ANNEXURE IV** for the quantities generated and used as fuel in thermic fluid heaters.

iv.	All the standards /Norms stipulated under Environment (Protection) Act, 1986/CPCB should be met. In addition all new standards/norms that would be notified in future for petrochemical units shall be applicable for the proposed expansion unit.	Agreed
v.	Project authority shall undertake rainwater harvesting measures to recharge water and also to minimize the water drawl from the reservoir and ground water.	Yes, we have installed rainwater harvesting system and recover **25576 m3** of rain water during **APR 2025 – SEPT 2025**.
vi.	Green belt shall be raised in 33% of the plant area to mitigate the fugitive emissions the plant. Selection of plant species shall be as per the Central Pollution Control Board guidelines.	Adequate green belt has been developed.
vii.	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in Form-7. **ANNEXURE – VIII.**

B.	**General Conditions:**	
i.	The project authorities must strictly adhere to the stipulations made by the Pollution Control Board and the State Government.	Agreed and complied
ii.	No further expansion or modernization in the plant shall-be carried out without prior approval of the Ministry of Environment and Forests.	Agreed .
iii.	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.	Agreed
iv.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Yes, Enclosures have been provided at various Noise Generating locations. Maximum Noise Level measured is 73.7 dBA in the month of April 2025. Monitoring Reports for the period **APR 2025 – SEPT 2025** is enclosed as **ANNEXURE – II.**
v.	The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed authority under the MSIHC Rules. Consent to Operate / Authorization from

	of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project.	MPCB has been obtained. **Format1.0/CAC/UAN No. MPCBCONSENT_ AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. Copy of same is enclosed as **ANNEXURE – XV.**
vi.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	Yes, complied. We have membership with CHWTSDF at Taloja and regularly disposing off our hazardous waste to CHWTSDF. Copy of the membership certificate & hazardous waste return are enclosed as **ANNEXURE – XIII & XIV.**
vii.	The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	Agreed and complied **ANNEXURE IX.**
viii.	The stipulated conditions will be monitored by the Regional Office of this Ministry at Bhopai/Central Pollution Control Board/State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.	Complied.

ix.	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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in. This should 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 should be forwarded to the Regional office.	Complied
x.	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 commencing the land development work.	**C**omplied.

Ref	**PA-IV EC COMPLIANCE REPORT APR 2025 – SEPT 2025** **EC No. J-11011/73/2016-IA-II (I), Dated: 18th July, 2017 & amendment in same dated 20th February 2018.**
To	IG Petrochemicals Ltd, T-2, MIDC Taloja
For	Expansion of Petrochemical and synthetic organic chemicals manufacturing facility.
Status	Phthalic Anhydride, Maleic Anhydride & Di Ethyl / Di Methyl Phthalic Plant Plants are commissioned.

Proposal is for expansion of petrochemical and synthetic organic chemicals manufacturing facility at Plot No. T-2, MIDC Taloja, Tehsil Panvel, District Raigad, Maharashtra by M/s I G Petrochemicals Ltd. (IGPL). Total land area is 1,13,282 m2. Industry has already developed green belt in an area of 10% i.e. 11,327.6 m2 out of 1,13,282 m2 of area of the project.

This Environmental Clearance were obtained for expansion of petrochemical and synthetic organic chemicals manufacturing facility with total proposed capacity of 72210 TPA.

Consolidated Consent to Operate for existing Plant PA –I, PA – II, PA – III, Benzoic Acid & Maleic Anhydride plants is obtained.

Production details of existing unit as per listed below:

Product	As per Environmental Clearances	As per Consent to Operate (2023)
Phthalic Anhydride	PAI+PAII90000 MTPA PAI+PA IIEXP 26110 MTPA PAIII 53000 MTPA PA IV 53000 MTPA PA V 53000 MTPA	**275110 MT/A**
Benzoic Acid	2250 MTPA	**2000 MT/A**
***Maleic Anhydride**	9110 MTPA	**9110 MTPA**
Di Ethyl Phthalate / Di Methyl Phthalate	12600 MTPA	**12600 MTPA**
Power (Exported to Grid)	2.5 MW	**2.5 MW**

*** Maleic Anhydride manufacturing facility of Mysore Petro Chemicals Ltd located at plot T-1 was bought over by I G Petro Chemicals Ltd w. e.f. 1st April 2017.**

Proposed Additional capacities of Products as per EC No. J-11011/73/2016-IA-II (I), Dated: 18th July, 2017 & amendment of the same was received on 20th February 2018

Product	As per Environmental Clearance (MT/A)
Phthalic anhydride (PAN) (PA4 plant)	**53,000**
Benzoic acid (capacity increase of existing plant)	**750**
Maleic Anhydride (MA4 plant)	**1160**
Power (Export to grid)	**--**
Di ethyl phthalate (DEP)	**12600**
Di methyl phthalate (DMP)	
By Products	
Sodium Sulphate	**900**
Phthalic acid	**800**
Monoester salts	**3000**

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11011/73/2016-IA-II (I), Dated: 18th July, 2017 & amendment in same is received on 20th February 2018 is as given below**.**

The project activity is listed at 5 (f) in the Schedule of the EIA Notification, 2006 and is of 'B' Category being in the industrial area and shall not require Public Hearing. Based on the information provided by you, the Ministry of Environment and Forest hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and Generation condition.

OK. Above condition is noted.

A.	**Specific Conditions:**	
i.	**5000 trees shall be planted in five years in nearby villages. Survival rate of plants shall be reported to RO, MoEF & CC in 6**	We have planted 2000 nos of trees at Ghot Camp located 1.0 km away from IGPL Plant in the year - 2019 monsoon. Also, we have

	monthly compliance report.	planted 3000 nos of trees near Nitlas village in Aug 2021. Total 5000 number of trees are planted. Survival report enclosed. Refer **ANNEXURE-XXVI.** 65 numbers of trees were replanted against non-living & damaged tress. Survival rate is 98.70 %. MIDC has been allocated Plot No. OS – 44 to M/s I G Petrochemicals Ltd. For tree plantation & beautification where 2134 no. s of trees are planted.
ii.	**At least 1.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC)based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.**	Yes, 0.75 % (fig revised as per MoEF & CC office memorandum F.No.22-65/2017-IA.III dated 1st May 2018) of the total cost of the project will be earmarked towards Enterprise Social Commitment. Sufficient budgetary provision will be made for health improvement, education, water and electricity supply etc. at nearby villages. Budgetary allocation made towards ESC /CER are enclosed as **ANNEXURE – XVIII**.
iii.	**A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.**	Appointed qualified staff with post-graduation in Environmental Science (Master in Environment Management -M.E.M from SIBER Institute.) Engineering is appointed for environmental management activities.
iv.	**The unit shall adhere to zero liquid discharge (ZLD) .** **As per EC amendment dated 20th Feb**	Yes, Agreed. Effluent generated from existing unit and expansion is being treated and recycled within the plant & remaining treated

	2018(ANNEXURE XIX) effluent discharge to CETP should be 220 m3/day.	effluent is restricted to 220 m3/day for final discharge to CETP. REFER. **ANNEXURE-XXV** for few photos of ETP upgradation.
v.	**Continuous online (24 x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MoEF & CC, CPCB and SPCB.**	Yes, we have installed continuous online (24*7) monitoring system measurement for stacks emission & effluent. We have connected online continuous emission monitoring system to CPCB / MPCB Server and data is uploaded on company's website regularly. Refer **ANNEXURE – XVI** for OCEMS dashboard. Same system has extended for expanded plants. We have provided link of OCEMS on our company web site (**http://www.igpetro.com/quality#main-content**) **Refer ANNEXURE XXII**
vi.	**The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.**	Yes, entire plant is covered by a hydrant system, which has provided with separate fire water pump and emergency pumps (diesel operated). Fire extinguishers are kept in various parts of the plant depending upon type of fire hazard likely. Total 7600 m3 hydrant tank is available along with 2 numbers of jockey pumps, one main pump (electrical driven) and 4 diesel driven pump.
vii.	**Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.**	Regular medical check-ups of all the employees are conducted. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer Company has well equipped Occupational

		Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in Form-7. **ANNEXURE – VIII**
viii.	**The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.**	We have already received amalgamated Consent to Operate from MPCB **(REF ANNEXURE-XV**) for the additional requirement from the expansion plants. We are member of **CHW-TSDF REF ANNEXURE XIII.**

B.	**General Conditions:**	
i.	**The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.**	Amalgamated Consent to Operate /Authorization from MPCB is obtained. **Format1.0/CAC/UAN No. MPCBCONSENT_ AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. Copy of same is enclosed as **ANNEXURE – XV.**
ii.	**No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of**	Yes, agreed. No further expansion or modification in the plant will be carried out without prior approval from MoEF & CC

	conditions imposed and to add additional environmental protection measures required, if any.	
iii.	**The locations of ambient air quality monitoring stations shall be decided consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.**	We are regularly monitoring Ambient Air Quality Monitoring through MoEF & CC recognized laboratory. Ambient Air Quality monitoring stations are set up as per guidelines of SPCB. Ambient Air Monitoring Reports for last six months are enclosed as **ANNEXURE – II.**
iv.	**The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed**	Yes, Agreed. **Refer ANNEXURE – II.**
v.	**The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).**	Yes, we have provided enclosures, hood etc. to ensure noise level is under control. Regular ambient Noise monitoring is carried out within the unit and at fence level. All high noise generating sources are enclosed. Regular Noise Level monitoring undertaken. Maximum Noise Level measured is **73.7 dBA** in the month of April 2025. Reports for **APR 2025 – SEPT 2025** period are enclosed under **ANNEXURE - II** showing compliance.
vi.	**The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh**	Yes, we have installed rainwater harvesting system and recover **25576 m3** of rain water during **APR 2025 – SEPT 2025**.

	water.	
vii.	**Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.**	Yes, periodical Training is carried out of all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for regular basis. **Refer ANNEXURE - XX.**
viii.	**The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA & EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.**	Yes, agreed. Complied.
ix.	**The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.**	Yes, the company contributes to nearby Ashram / local village Gram panchayat. **Refer ANNEXURE – XVIII.**
x.	**The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.**	Company is undertaking various community welfare measures for improvement of the environment. refer **ANNEXURE XXVI & ANNEXURE – XVIII.**

xi.	**A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.**	Separate Environment Management Team under HoD – Health, Safety & Environment (Master in Environment Management -M.E.M from SIBER Institute.) 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.
xii.	**The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.**	Yes, Budget for Environment Protection as stipulated in the EIA has been used for environmental protection in proposed expansion project.
xiii.	**A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.**	Yes, we have submitted EC copy to Panvel Municipal Corporation which is local body. **REF ANNEXURE XXIII**
xiv.	**The project proponent shall also submit six monthly reports on the status of**	Yes, it is carried out regularly for all EC s. Refer **ANNEXURE V** for Ack. Copy of last six-

	compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	monthly compliance report submitted
xv.	**The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by email.**	Yes, it is carried out regularly in existing plants and same practice will be adopted in expansion plant. **REFER ANNEXURE –XXI.**
xvi.	**The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at Website of the Ministry at http://moef.nic.in.This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall**	Complied- advertisement was placed in media on obtaining the Environmental clearance. Copy of Advertisement published in local newspaper is enclosed herewith as **ANNEXURE– X.**

	be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
xvii.	**The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.**	Yes, Agreed. Project is completed Phthalic, Maleic Anhydride and DEP/DMP. Consent to Operate /Authorization from MPCB is obtained. **Format1.0/CAC/UAN No. MPCBCONSENT_AMMENDMENT-0000013771/CO/2505000359** Dated: 29/05/2025, valid up to 31/08/2026. Copy of same is enclosed as **ANNEXURE – XV.**
xviii	**The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory**	Yes, Noted.
xix	**The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.**	Yes, Agreed.
xx.	**The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention &. Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.**	Yes, Noted.

Ref	**PA-V EC COMPLIANCE REPORT APR 2025 - SEPT 2025** **ECNo. J-11011/73/2016-IA-II(I) Dated: 14th Mar, 2022.** **EC AMENDMENT F. No. J-11011/73/2016-IA-II(I) Dated -6th October, 2022**
To	I G Petrochemicals Ltd, Plot No. T-2, V- 45, V-11 to V-14, T-2/1, T-1MIDC Taloja, Tehsil Panvel, District Raigad, Maharashtra
For	Proposed expansion of Petrochemical based product manufacturing facility.
Status	Plant was commissioned on 12th Feb 2024.

This Environmental Clearance (and its subsequent amendment) is obtained for expansion of petrochemical-based product manufacturing facility with total proposed capacity of 54950 TPA.

Consolidated Consent to Operate for the expansion project PA – V along with existing plants PA –I, PA – II, PA – III, PA-IV, Benzoic Acid, Maleic Anhydride & DEP/DMP capacity from Maharashtra Pollution Control Board is obtained vide Format1.0/CAC/UAN No. MPCBCONSENT_AMMENDMENT-0000013771/CO/2505000359 Dated: 29/05/2025, valid up to 31/08/2026

Production details of existing unit as per listed below:

Product	As per Environmental Clearances	As per Consent to Operate (2023)
Phthalic Anhydride	PAI+PAII90000 MTPA PAI+PA IIEXP 26110 MTPAPAIII 53000 MTPA PA IV 53000 MTPA PA V 53000 MTPA	**275110 MT/A**
Benzoic Acid	2250 MT/A	**2000 MT/A**
Power (Exported to Grid)	2.5 MW	**2.5 MW**
Maleic Anhydride	9110 MTPA	**9110 MTPA**
Di ethyl phthalate (DEP) / Di methyl phthalate (DMP)	12,600 MTPA	**12600 MTPA**

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter EC No. J-11011/73/2016-IA-II(I) Dated: 14th Mar,

2022 & EC AMENDMENT F. No. J-11011/73/2016-IA-II(I) Dated -6th October, 2022 are given below.

The project activity is listed at 5 (f) in the Schedule of the EIA Notification, 2006 and is of 'B' Category being in the industrial area and shall not require Public Hearing. Based on the information provided by you, the Ministry of Environment and Forest hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and Generation condition

The project/activities are covered under category B of item 5 (e) Petroleum products and petrochemical based processing such as production of carbon black and electrode grade graphite (processes other than cracking & reformation and not covered under the complexes). Due to applicability of General Condition i. e. location of Matheran ESZ at a distance of 3.15 km, the project is appraised at Central Level by Expert Appraisal Committee (EAC).

A.	**Specific Conditions:**	
		COMPLIANCE
i.	**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. Industry shall install solar power of at least 10% of its total power requirement within plant/nearby villages as a part of EMP.** **As per the EC amendment F. No. J- 11011/73/2016-IA-II(I) Dated -6th** **October, 2022, the condition is amended as** **Industry shall install solar power of atleast 16% of the power requirement of proposed expansion project withinplant.**	The power required for the expansion is2750 KW. Installation of 400 KW solar power generation unit is completed & is operational from December 2022. Generated power is being utilized in-house. Photos of unit attached **ANNEXURE-XXVII.**

ii.	**Net fresh water requirement shall not exceed 5734 m3/day will be met from MIDC Taloja. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.** **As per the EC amendment F. No. J-11011/73/2016-IA-II(I) Dated -6th October, 2022, the condition is amended as**	Water consumption post expansion is within 5734 m3/day. Existing CTO permitted effluent discharge to CETP is 220 cmd. The same is maintained post expansion. The effluent generated from expansion is treated in ETP and recycled.
	Industry shall restrict CETP discharge to existing 220 CMD and no additional effluent shall be discharged from the proposed expansion project. **Additional treated effluent from the proposed expansion shall be treated and recycled completely.**	
iii.	**For use of furnace oil as fuel for Hot oil heater, CPCB guideline shall be followed coupled with adequate measures such as installation of Cyclone Dust Separator and alkali Scrubber with adequate stack height shall be taken to mitigate emissions.**	Complied. Existing heaters have been provided with alkali scrubber and cyclone separator. The same is provided in new plant. Fuel used in boilers & thermic fluid heaters has been changed to LSHS / NG instead of Furnace oil.
iv.	**Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme.**	Water audit has been completed in Nov 2024 Audit recommendations are implemented Audit copy attached as **ANNEXURE-XXXII**.

v.	**Process effluent/any wastewater shall not be allowed to mix with storm water. Storm waterdrain shall be passed through guard pond.**	Complied
vi.	**Hazardous chemicals shall be stored in tanks,tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.**	Complied
vii.	**Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.** **As per the EC amendment F. No. J- 11011/73/2016-IA-II(I) Dated -6th** **October, 2022, the condition is amended as Process organic residue (distillation residues from Phthalic Anhydride andMaleic Anhydride process) shall be used as fuel in Thermic Fluid Heaters. Spent carbon and process organic residue from tank cleaning, if any, shall be sent to, CHWTSDF**	Complied as per the amendment received on 6th Oct 2022 and as per consent conditions.
viii.	**Regular VOC monitoring shall be done at vulnerable points.**	Complied. **Annexure-XXXV.**
ix	**The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.**	Not applicable
x	**Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage**	Complied

	system inside the factory premises.	
xi	**The company shall undertake waste minimization measures as below:** **(a) Metering and control of quantities ofactive ingredients to minimize waste.** **(b) Reuse of by-products from the process asraw 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 etc. to reduce wastewatergeneration.**	The existing plant has adequate systems installed. The same are incorporated in expansion plant.
xii	**The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant speciesshall be as per the CPCB guidelines in consultation with the State Forest Department.** **As per the EC amendment F. No. J- 11011/73/2016-IA-II(I) Dated -6th** **October, 2022, the condition is amended as** **Industry will develop 26% (29064.63 m2) of the total plot area as greenbelt within the plant premises and 10% additional green belt shall be developed outside plant premises adjacent to the plant within MIDC Industrial area.**	The green belt inside and outside of the plant premises is developed. The photos are attached as **ANNEXURE-XXVI**.

xiii	**PP proposed to allocate Rs. 3.0 Crores which shall be equally spent on improving infrastructure of public schools and installation of solar power in nearby villages in consultation with District Magistrate. All the proposed activities under CER shall be completed before commencement of operations of the plant.**	The project has been completed in the month of May – 2023 and cost incurred is Rs 3 crores as per the EC condition. Details attached as per **ANNEXURE-XXVIII.**
xiv	**The project proponent shall set up a skill development center /provide skill development training to village people.**	We have conducted the 'Skill Development camp for Villagers' at Village Ghot Camp, Taloja on 30th April 2023. Photos of the same are attached as **ANNEXURE-XXXIV.**
xv	**A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratoryfacilities shall be set up to carry out the Environmental Management and Monitoring functions.**	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.

Xvi	**The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.**	Yes, complied with- entire plant is covered by a hydrant system, which is provided with separate fire water pump and emergency pumps (Electrical & diesel operated pumps). Fire extinguishers are kept in various parts of the plant depending upon type of fire hazard likely.
Xvii	**Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.**	Complied. **Annexure – 12**
xviii	**PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. 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.**	Yes, Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Company has well equipped Occupational Health center (OHC) with one bed located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in form-7 as per factories act.

xix	**The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.**	Complied. It is part of CTO issued by SPCB.
xx	**Recommendations of mitigation measures from possible accident shall be implemented based on advanced risk Assessment studies conducted for worst case scenarios using latest techniques.**	Hazop has been conducted during detailed engineering and its recommendations have been incorporated in the plant design.

B.	**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.**	Agreed
ii.	**The energy source for lighting purpose shall be preferably LED based, or advanced havingpreference in energy conservation and environment betterment.**	LED lighting has been provided.
iii.	**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).**	Yes, Enclosures have been provided at various Noise Generating locations. Maximum Noise Level measured is **73.7** dBA in the month of April 2025. Monitoring Reports for the period **APR 2025 - SEPT 2025** are enclosed as **ANNEXURE – II**

iv.	**The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.**	Company is undertaking various community welfare measure for improvement of the environment. CER activity has been completed as given in **ANNEXURE-XXVIII.**
v.	**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 StateGovernment along with the implementation schedule for all the conditions stipulatedherein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.**	The company has annual EMP budget for various activities and the same is been utilized for every year. **ANNEXURE -IX.**
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.**	Yes, we have submitted EC copy to Panvel Municipal Corporation which is local body. Copy of the same is attached **ANNEXURE-XXIX.**

vii.	**The project proponent shall also submit six monthly reports on the status of complianceof the stipulated Environmental Clearance conditions including results of monitored data (Both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&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.**	Complied as per existing compliances for earlier ECs
viii.	**The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.**	Yes, it is submitted regularly.

ix.	**The project proponent shall inform the publicthat 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 beseen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date ofissue 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 concernedRegional Office of the Ministry.**	Advertise has been published in local newspaper Navshakti & Free Press Journal dated 16th March -2022 **ANNEXURE-XXX.**
x.	**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.**	Industry has received consent to operate on dated 09th Dec 2023 and Plant is commissioned on dated 12th Feb 2024. Financial closure report is submitted on dated 25.06.2024. **ANNEXURE-XXXVI.**
xi.	**This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'bleNGT and any other Court of Law, if any, as may be applicable to this project.**	Agreed
	ADDITIONAL CONDITIONS GIVEN IN EC AMENDMENT	

i	**Industry shall obtain prior approval from SPCB for discharge of effluent to CETP. Industry shall discharge 220 KLPD of treated effluent to CETP after achieving the dischargenorms specified by the SPCB. Online monitoring system shall be installed and connected to the CPCB and SPCB server**	Complied The amalgamated CTO (existing + expansion) is obtained from Maharashtra Pollution Control Board (CTO No - Format1.0/CAC/UAN No. MPCBCONSENT_AMMENDMENT-0000013771/CO/2505000359 Dated: 29/05/2025, valid up to 31/08/2026 which specifies the permitted 220 cmd treated effluent discharge to CETP. OCEMS and RTDMS is installed & is connected to CPCB and MPCB servers.
ii	**Air emissions from Thermic Fluid Heaters shall be monitored and emission levels shall not exceed the prescribed limit**	Thermic fluid heaters are provided with cyclone separators followed by wet scrubber (alkali scrubber). The stack is connected to OCEMS. In addition, the stack emissions are monitored by periodical analysis by MOEF & CC approved laboratory. The emission levels are maintained well within the prescribed limits.
iii	**For outside greenbelt development, PP shall take land for long term lease of 25 years and greenbelt shall be maintainedproperly.**	Communication in this respect is done with MIDC. **ANNEXURE-XXIX.**
iv	**PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12thAugust, 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.**	The awareness program was conducted on 26th February 2023 in three nearby villages Pale, Kolwadi & Vallap. The details are attached as**ANNEXURE-XXXIII.**

INDEX

ANNEXURE-XVII	:	CSR Details
ANNEXURE-XVIII	:	CER Budget & Expenditure
ANNEXURE-IXX	:	EC Amendment
ANNEXURE-XX	:	Chemical Handling
ANNEXURE-XXI	:	Environmental Statement 2023 – 2024
ANNEXURE-XXII	:	IGPL web site snapshot
ANNEXURE-XXIII	:	EC copy submission to Panvel Municipal Corporation.
ANNEXURE-XXIV	:	Photos of ongoing expansion project
ANNEXURE-XXV	:	ETP Upgradation Photos
ANNEXURE-XXVI	:	Tree Plantation Survival Report
ANNEXURE-XXVII	:	Solar Unit
ANNEXURE-XXVIII	:	CER Status Report
ANNEXURE –XXIX	:	Submission of EC to PMC
ANNEXURE – XXX	:	Copy of Advertisement
ANNEXURE – XXXI	:	Letter to MIDC For Development of Green Belt
ANNEXURE - XXXII	:	Water Audit Report
ANNEXURE - XXXIII	:	Elimination of Single Use Plastics
ANNEXURE – XXXIV	:	Skill Development Program for Villagers
ANNEXURE – XXXV	:	Emission Monitoring of Tank Farm
ANNEXURE – XXXVI	:	Financial Closure Report

ANNEXURE I

F.No.22-65/2017-IA.III

Government of India

Ministry of Environment, Forest and Climate Change

Impact Assessment Division

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Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi – 110003

Dated: 1st May, 2018

Office Memorandum

Sub: Corporate Environment Responsibility (CER) – reg.

The Environment Impact Assessment (EIA) Notification, 2006, issued under the Environment (Protection) Act, 1986, as amended from time to time, prescribes the process for granting prior environment clearance (EC) in respect of certain development projects/activities listed out in the Schedule to the Notification.

2. Sustainable development has many important facets/components like social, economic, environmental, etc. All these components are closely inter-related and mutually re-enforcing. Therefore, the general structure of EIA document, under Appendix-III to the notification, prescribes inter-alia public consultation, social impact assessment and R&R action plan besides environment management plan (EMP).

3. Section 135 of the Companies Act, 2013 deals with Corporate Social Responsibility (CSR) and Schedule-VII of the Act lists out the activities which may be included by companies in their CSR Policies. The concept of CSR as provided for in the Companies Act, 2013 and covered under the Companies (Corporate Social Responsibility Policy) Rules, 2014 comes into effect only in case of companies having operating projects and making net profit as also subject to other stipulations contained in the aforesaid Act and Rules. The environment clearance given to a project may involve a situation where the concerned company is yet to make any net profit and\or is not covered under the purview of the aforesaid Act and Rules. In such cases, the provisions of aforesaid act and Rules will not apply.

4. In the past, it has been observed that different Expert Appraisal Committees / State Expert Appraisal Committees (EACs/SEACs) have been prescribing different formulation of the Corporate Environment Responsibility (CER) and no common principles are followed. Several suggestions have also been received in this regard which inter-alia states that Greenfield projects and Brownfield projects should be treated differently; no CER should be prescribed whereas there is no increase in air pollution load, R&R, etc., besides streamlining percentage of CER.

5. The Ministry has carried out a detailed stakeholder consultation which inter-alia included meeting with Ministry of Petroleum & Natural Gas, Ministry of Power, Chairmen EACs, FICCI, ASSOCHAM, Gujarat Chamber of Commerce and Industry amongst others.

6. In order to have transparency and uniformity while recommending CER by Expert Appraisal Committee (EAC) / State level Expert Appraisal Committee (SEAC) / District level Expert Appraisal Committee (DEAC), the following guidelines are issued:

(I) The cost of CER is to be in addition to the cost envisaged for the implementation of the EIA/EMP which includes the measures for the pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV and Compensatory Aforestation, required, if any, and any other activities, to be derived as part of the EIA process.

(II) The fund allocation for the CER shall be deliberated in the EAC or SEAC or DEAC, as the case may be, with a due diligence subject to **maximum percentage** as prescribed below for different cases:

S.No	Capital Investment / Additional Capital Investment (in Rs)	Greenfield Project – % of Capital Investment	Brownfield Project – % of Additional Capital Investment
I	II	III	IV
1.	≤ 100 crores	2.0%	1.0%
2.	> 100 crores to ≤ 500 crores	1.5%	0.75%
3.	> 500 crores to ≤ 1000 crores	1.0%	0.50%
4.	> From 1000 crores to ≤10000 crores	0.5%	0.25%
5.	> 10000 crores	0.25%	0.125%

(III) The activities proposed under CER shall be worked out based on the issues raised during the public hearing, social need assessment, R&R plan, EMP, etc.

(IV) The proposed activities shall be restricted to the affected area around the project.

(V) Some of the activities which can be carried out in 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.

(VI) The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half-yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

(VII) The District Collector may add or delete the activities as per the requirement of the District.

(VIII) The EAC can vary the above percentage of CER subject to proper diligence, quantification and justification. The EAC based on appraisal, should clearly suggest the activities to be carried out under CER.

(IX) This CER is not applicable in name change, transfer and amendment involving no additional project investment. In case of amendment in EC involving additional expenditure, CER will be applicable only on the additional expenditure as per column-IV of the table given in para 6(II) above.

7. This issues in supersession of all earlier OMs and guidelines issued in this regard.

8. This issues with the approval of competent authority.

1/5/18

(Sharath Kumar Pallerla)
Director (IA-III-Policy)

1. Chairman, CPCB
2. Chairmen of all the Expert Appraisal Committees
3. Chairperson/Member Secretaries of all the SEIAA/SEACs
4. Chairpersons/Member Secretaries of all SPCBs/UTPCCs
5. All the officers of IA Division

Copy for information to:

1. PS to Minister for Environment, Forest and Climate Change
2. PS to MoS (EF&CC)
3. PPS to Secretary (EF&CC)
4. PPS to AS(Ad.)) / AS(Adm)
5. PPS to JS(GB) / JS(JT)
6. Website, MoEF&CC
7. Guard File

ANNEXURE II

DRINKING WATER ANALYSIS

Drinking Water Analysis Report										
Sr. No	Location	April-25			May-25			June-25		
		Coliform Count/ 100 ml	E.coli (Limit: Absent)	Remark	Coliform Count/ 100 ml	E.coli (Limit: Absent)	Remark	Coliform Count/ 100 ml	E.coli (Limit: Absent)	Remark
1	Canteen-1 (Main Canteen)	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
2	Canteen-2 (Contract Canteen)	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
3	PA Control room	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
4	Workshop	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
5	Instrumentation	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
6	Admin	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
7	Laboratory	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
8	MA Control Room	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
9	PA Bagging Section	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable

Drinking Water Analysis Report										
Sr. No	Location	July-25			Aug-25			Sept-25		
		Coliform Count/ 100 ml	E.coli (Limit: Absent)	Remark	Coliform Count/ 100 ml	E.coli (Limit: Absent)	Remark	Coliform Count/ 100 ml	E.coli (Limit: Absent)	Remark
1	Canteen-1 (Main Canteen)	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
2	Canteen-2 (Contract Canteen)	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
3	PA Control room	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
4	Workshop	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
5	Instrumentation	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
6	Admin	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
7	Laboratory	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
8	MA Control Room	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable
9	PA Bagging Section	Absent	Absent	Potable	Absent	Absent	Potable	Absent	Absent	Potable

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.

ANNEXURE II

WORK PLACE FUGATIVE EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result April – 2025 02-04-2025			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.1	-	0.25 ppm
2	Phthalic Anhydride	<0.5	<0.5	-	1.0 ppm
3	Ortho Xylene	<1.0	<1.0	-	100 ppm
4	Benzoic Acid	<0.5	<0.5	-	25 ppm
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m^3
6	Phthalic Anhydride	-	-	<0.5	1 ppm
7	Benzene	-	-	<0.5	1 ppm

WORK PLACE FUGATIVE EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result May-2025 13-05-2025			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.1	-	0.25 ppm
2	Phthalic Anhydride	<0.5	<0.5	-	1.0 ppm
3	Ortho Xylene	<1.0	<1.0	-	100 ppm
4	Benzoic Acid	<0.5	<0.5	-	25 ppm
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m^3
6	Phthalic Anhydride	-	-	<0.5	1 ppm
7	Benzene	-	-	<0.5	1 ppm

ANNEXURE II

WORK PLACE FUGATIVE EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result June – 2025 04-06-2025			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<01	-	0.25 ppm
2	Phthalic Anhydride	<0.5	<0.5	-	1.0 ppm
3	Ortho Xylene	<1.0	<1.0	-	100 ppm
4	Benzoic Acid	<0.5	<0.5	-	25 ppm
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m^3
6	Phthalic Anhydride	-	-	<0.5	1 ppm
7	Benzene	-	-	<0.5	1 ppm

WORK PLACE FUGATIVE EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result July-2025 23-07-2025			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.1	-	0.25 ppm
2	Phthalic Anhydride	<0.5	<0.5	-	1.0 ppm
3	Ortho Xylene	<1.0	<1.0	-	100 ppm
4	Benzoic Acid	<0.5	<0.5	-	25 ppm
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m^3
6	Phthalic Anhydride	-	-	<0.5	1 ppm
7	Benzene	-	-	<0.5	1 ppm

ANNEXURE II

WORK PLACE FUGATIVE EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result			Limiting Standard
		Aug-2025			
		18-08-2025			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.1	-	0.25 ppm
2	Phthalic Anhydride	<0.5	<0.5	-	1.0 ppm
3	Ortho Xylene	<1.0	<1.0	-	100 ppm
4	Benzoic Acid	<0.5	<0.5	-	25 ppm
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m^3
6	Phthalic Anhydride	-	-	<0.5	1 ppm
7	Benzene	-	-	<0.5	1 ppm

WORK PLACE FUGATIVE EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result			Limiting Standard
		Sep – 2025			
		18-09-2025			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.1	-	0.25 ppm
2	Phthalic Anhydride	<0.5	<0.5	-	1.0 ppm
3	Ortho Xylene	<1.0	<1.0	-	100 ppm
4	Benzoic Acid	<0.5	<0.5	-	25 ppm
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m^3
6	Phthalic Anhydride	-	-	<0.5	1 ppm
7	Benzene	-	-	<0.5	1 ppm

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.

ANNEXURE II

WORK ROOM AIR MONITORING REPORTS

Work Room Air Monitoring				
Location	Apr -2025			
	03-04-2025			
	PA	SO2	NOx	SPM
	ppm	mg/m3	mg/m3	mg/m³
Phthalic Anhydride Ware House	<0.25	0.014	0.028	0.230
Limiting Standards	1	13	9	15
NIOSH				
TLV(TWA)	--	2	--	--
STEL	--	5	1	--
ACGIH				
TLV(TWA)	--	2	3	10
STEL	--	5	5	--

Work Room Air Monitoring				
Location	May -2025			
	15-05-2025			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.010	0.018	0.196
Limiting Standards	1	13	9	15
NIOSH				
TLV(TWA)	--	2	--	--
STEL	--	5	1	--
ACGIH				
TLV(TWA)	--	2	3	10
STEL	--	5	5	--

Work Room Air Monitoring				
	June-2025			
Location	05-06-2025			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.010	0.018	0.196
Limiting Standards	1	13	9	15
NIOSH				
TLV(TWA)	--	2	--	--
STEL	--	5	1	--
ACGIH				
TLV(TWA)	--	2	3	10
STEL	--	5	5	--

Work Room Air Monitoring				
	July-2025			
Location	23-07-2025			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.010	0.014	0.182
Limiting Standards	1	13	9	15
NIOSH				
TLV(TWA)	--	2	--	--
STEL	--	5	1	--
ACGIH				
TLV(TWA)	--	2	3	10
STEL	--	5	5	--

Work Room Air Monitoring				
	Aug-2025			
Location	18-08-2025			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.011	0.016	0.186
Limiting Standards	1	13	9	15
NIOSH				
TLV(TWA)	--	2	--	--
STEL	--	5	1	--
ACGIH				
TLV(TWA)	--	2	3	10
STEL	--	5	5	--

Work Room Air Monitoring				
	Sep-2025			
Location	18-09-2025			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.013	0.015	0.162
Limiting Standards	1	13	9	15
NIOSH				
TLV(TWA)	--	2	--	--
STEL	--	5	1	--
ACGIH				
TLV(TWA)	--	2	3	10
STEL	--	5	5	--

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.

ANNEXURE II

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		Apr-2025				
		01-04-2025				
		Phthalic Anhydride Plant -I	Phthalic Anhydride Plant -II	Phthalic Anhydride Plant –III	Phthalic Anhydride Plant - IV	
1	Ortho Xylene	<1.0	<1.0	<1.0	-	100 ppm
2	Phthalic Anhydride	<0.5	<0.5	<0.5	-	1 ppm
3	Benzene	-	-	-	-	1 ppm

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		May-2025				
		13-05-2025				
		Phthalic Anhydride Plant -I	Phthalic Anhydride Plant -II	Phthalic Anhydride Plant –III	Phthalic Anhydride Plant - IV	
1	Ortho Xylene	<1.0	<1.0	<1.0	<0.5	100 ppm
2	Phthalic Anhydride	<0.5	<0.5	<0.5	<0.5	1 ppm
3	Benzene	-	-	-	<0.5	1 ppm

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		June-2025				
		05-06-2025				
		Phthalic Anhydride Plant -I	Phthalic Anhydride Plant -II	Phthalic Anhydride Plant –III	Phthalic Anhydride Plant - IV	
1	Ortho Xylene	<1.0	<1.0	<1.0	<0.5	100 ppm
2	Phthalic Anhydride	<0.5	<0.5	<0.5	<0.5	1 ppm
3	Benzene	-	-	-	<0.5	1 ppm

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		July-2025				
		22-07-2025				
		Phthalic Anhydride Plant -I	Phthalic Anhydride Plant -II	Phthalic Anhydride Plant –III	Phthalic Anhydride Plant - IV	
1	Ortho Xylene	<1.0	<1.0	<1.0	<0.5	100 ppm
2	Phthalic Anhydride	<0.5	<0.5	<0.5	<0.5	1 ppm
3	Benzene	-	-	-	<0.5	1 ppm

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		Aug-2025				
		18-08-2025				
		Phthalic Anhydride Plant -I	Phthalic Anhydride Plant -II	Phthalic Anhydride Plant –III	Phthalic Anhydride Plant - IV	
1	Ortho Xylene	<1.0	<1.0	<1.0	<0.5	100 ppm
2	Phthalic Anhydride	<0.5	<0.5	<0.5	<0.5	1 ppm
3	Benzene	-	-	-	<0.5	1 ppm

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		Sep-2025				
		20-09-2025				
		Phthalic Anhydride Plant -I	Phthalic Anhydride Plant -II	Phthalic Anhydride Plant –III	Phthalic Anhydride Plant - IV	
1	Ortho Xylene	<1.0	<1.0	<1.0	<0.5	100 ppm
2	Phthalic Anhydride	<0.5	<0.5	<0.5	<0.5	1 ppm
3	Benzene	-	-	-	<0.5	1 ppm

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.

ANNEXURE II

AMBIENT AIR MONITORING

Ambient air monitoring- ETP							
Parameters	**Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**July 2025**	**Aug 2025**	**Sep 2025**
SO2	80 ug/m3	25.9	22.3	21.9	21.4	21.5	19.8
Nox	80 ug/m3	38.2	34.0	32.2	34.7	35.3	30.4
PM 10	100 ug/m3	84.1	80.3	80.3	67.7	67.3	59.1
PM 2.5	60 ug/m3	28.4	25.4	28.6	21.4	22.1	21.2
OZONE	180 ug/m3	18.7	17.6	15.5	12.8	11.7	12.5
Lead	1 ug/m3	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20
CO	4 mg/m3	0.7	0.6	0.6	0.6	0.7	0.6
Benzene	5 ug/m3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzopyrene	1 ug/m3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Arsenic	6 ug/m3	<5.00	<5.00	<0.20	<0.20	<0.20	<0.20
Nickel	20 ug/m3	<5.00	<5.00	<0.20	<0.20	<0.20	<0.20
NH3	400 ug/m3	25.5	26.3	18.9	22.7	25.1	23.9

Ambient air monitoring- Near PA 4							
Parameters	**Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**July 2025**	**Aug 2025**	**Sep 2025**
SO2	80 ug/m3	24.6	25.3	21.0	19.1	18.4	16.5
Nox	80 ug/m3	41.3	39.2	33.1	29.5	29.3	28.0
PM 10	100 ug/m3	84.6	75.9	74.1	54.8	56.5	54.9
PM 2.5	60 ug/m3	30.1	23.6	25.8	23.3	20.0	22.6
OZONE	180 ug/m3	17.3	16.3	15.3	15.1	12.4	12.7
Lead	1 ug/m3	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20
CO	4 mg/m3	0.50	0.60	0.60	0.60	0.50	0.60
Benzene	5 ug/m3	<0.20	0.20	0.20	0.20	0.20	0.20
Benzopyrene	1 ug/m3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Arsenic	6 ug/m3	<5.00	<5.00	<0.20	<0.20	<0.20	<0.20
Nickel	20 ug/m3	<5.00	<5.00	<0.20	<0.20	<0.20	<0.20
NH3	400 ug/m3	27.1	21.9	20.9	20.0	22.5	22.9

Ambient air monitoring- Main Gate							
Parameters	**Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**July 2025**	**Aug 2025**	**Sep 2025**
SO2	80 ug/m3	29.3	28.9	28.8	20.8	18.3	18.5
Nox	80 ug/m3	42.2	38.2	36.9	34.4	32.4	31.0
PM 10	100 ug/m3	89.8	84.8	75.0	64.1	51.9	58.1
PM 2.5	60 ug/m3	32.6	28.8	25.4	20.6	22.2	25.9
OZONE	180 ug/m3	20.5	17.9	18.2	15.4	13.7	12.7
Lead	1 ug/m3	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20
CO	4 mg/m3	0.8	0.8	0.7	0.7	0.6	0.6
Benzene	5 ug/m3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzopyrene	1 ug/m3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Arsenic	6 ug/m3	<5.00	<5.00	<0.20	<0.20	<0.20	<0.20
Nickel	20 ug/m3	<5.00	<5.00	<0.20	<0.20	<0.20	<0.20
NH3	400 ug/m3	28.7	27.5	23.0	24.3	24.4	23.1
Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.							

ANNEXURE II

EFFLUENT ANALYSIS REPORT

TREATED EFFLUENT ANALYSIS REPORT							
Month	**April 2025**	**May 2025**	**June 2025**	**July 2025**	**August 2025**	**September 2025**	**Limiting Standard (*)**
Date	**04.04.25**	**13.05.25**	**03.06.25**	**25.07.25**	**22.08.25**	**16.09.25**	
pH	**7.3**	**7.4**	**8.0**	**6.9**	**7.4**	**7.4**	**5.5-9.0**
COD	**40**	**60**	**50**	**40**	**50**	**60**	**250 mg/L**
BOD	**12**	**18**	**14**	**12**	**14**	**22**	**100 mg/L**
TDS	**1060**	**1270**	**1260**	**1950**	**1370**	**580**	**2100 mg/L**
Chloride	**190**	**135**	**234**	**335**	**260**	**96**	**600 mg/L**
TSS	**8**	**8**	**8**	**8**	**8**	**8**	**100 mg/L**
Sulphate	**87**	**115**	**198**	**83**	**67**	**65**	**1000 mg/L**
TAN	**< 0.56**	**< 0.56**	**< 0.56**	**< 0.56**	**< 0.56**	**< 0.56**	**50 mg/L**
O & G	**< 2.0**	**< 2.0**	**< 2.0**	**< 2.0**	**< 2.0**	**< 2.0**	**10 mg/L**
Bio-assay	100 % survival of fish after 96 hr in 100% effluent	100 % survival of fish after 96 hr in 100% effluent	100 % survival of fish after 96 hr in 100% effluent	100 % survival of fish after 96 hr in 100% effluent	100 % survival of fish after 96 hr in 100% effluent	100 % survival of fish after 96 hr in 100% effluent	90%survival of fish after 96 hr in 100 % effluent
(*) Standard for discharge in Public Sewers							
All parameters and limits except pH are in mg / lit.							
BOD is expressed in the terms of 3 days and @ 27^{O}C.							
Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.							

ANNEXURE II

AMBIENT NOISE LEVEL MONITORING REPORT

Ambient Noise Level Monitoring Report												
Month	**April 2025**		**May 2025**		**June 2025**		**July 2025**		**August 2025**		**September 2025**	
Date	03.04.2025		14.05.2025		04.06.2025		22.07.2025		21.08.2025		18.09.2025	
Location	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)
At Factory Boundary:												
L1	69.3	66.8	66.4	64.3	66.8	64.4	61.8	58.9	64.8	62.3	66.9	64.2
L2	65.4	64.7	67.2	65.4	65.2	63.8	64.2	61.8	63.9	61.8	64.2	62.0
L3	67.9	65.5	65.4	62.3	59.8	57.3	65.8	63.6	59.2	57.6	59.9	57.5
L4	58.0	57.2	56.2	54.6	58.7	56.5	63.2	61.2	58.9	57.0	58.8	56.3
L5	65.3	63.9	69.4	67.2	69.9	67.8	66.9	64.8	67.6	65.8	70.3	68.1
L6	71.4	69.8	70.2	68.3	65.8	63.1	65.8	64.0	62.5	60.3	65.8	63.3
L7	73.7	72.6	69.8	68.2	71.2	69.9	67.3	63.2	69.2	67.9	69.3	66.9
Standard	75 (*)	70 (*)	75 (*)	70 (*)	75 (*)	70 (*)	75 (*)	70 (*)	75 (*)	70 (*)	75 (*)	70 (*)

ANNEXURE II

STACK EMISSION MONITORING

A

Heater Stack Emission Monitoring - PA I							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		34 m	32 m	32 m	31 m	31 m	31 m
Inside Diameter (m)		0.59 m	0.5 m	0.5 m	0.5 m	0.5 m	0.5 m
Stack Area (m^2)		0.274 m^2	0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2
Flue Gas Temperature (°C)		68 °C	89 °C	65 °C	68 °C	58 °C	62 °C
Velocity m/sec		7.5 m/sec	7.6 m/sec	6.5 m/sec	7.2 m/sec	6.8 m/sec	7.2 m/sec
Flow m3/hr.		4268 m^3/hr.	4173 m^3/hr.	3800 m^3/hr.	4158 m^3/hr.	4054 m^3/hr.	10858 m^3/hr.
Fuel Quantity		4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD
Fuel Used		LSHS + Residue	LSHS + Residue	LSHS + Residue	LSHS + Residue	LSHS + Residue	LSHS + Residue
PA I Heater	**Limiting Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		02-04-2025	**13-05-2025**	**04-06-2025**	**22-07-2025**	**20-08-2025**	**17-09-2025**
TPM (mg/Nm3)	**150**	51.7	43.7	49.8	38.2	30.9	41.5
SO2 (Kg/Day)	**1700**	3.5	3.0	3.0	2.8	3.4	9.0
Nox (mg/Nm3)	**450**	58.6	49.2	64.3	52.8	48.8	60.8
CO (ppm)	**200**	<0.2	<0.2	<0.2	<0.2	0.5	<0.2
Acid Mist (mg/Nm3)	**35**	4.6	6.2	5.6	3.08	3.1	4.6

ANNEXURE II

STACK EMISSION MONITORING

B

Heater Stack Emission Monitoring - PA II

Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		34 m	31 m	31 m	31 m	31 m	31 m
Inside Diameter (m)		0.59 m	0.56 m	0.56 m	0.56 m	0.59 m	0.59 m
Stack Area (m^2)		0.274 m2	0.274 m2	0.274 m2	0.274 m2	0.274 m2	0.274 m2
Flue Gas Temperature (°C)		65 °C	82 °C	89 °C	65 °C	60 °C	62 °C
Velocity m/sec		6.9 m/sec	7.2 m/sec	7.5 m/sec	7.3 m/sec	7.0 m/sec	8.4 m/sec
Flow m3/hr.		5688 m^3/hr.	5701 m^3/hr.	5887 m^3/hr.	4236 m^3/hr.	5004 m^3/hr.	6870 m^3/hr.
Fuel Used		LSHS + Residue	LSHS + Residue	LSHS + Residue	LSHS + Residue	LSHS + Residue	LSHS + Residue
Fuel Quantity		4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD
PA II Heater	**Limiting Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		02-04-2025	**13-05-2025**	**03-06-2025**	**22-07-2025**	**21-08-2025**	**18-09-2025**
TPM (mg/Nm3)	**150**	41.0	43.8	45.6	43.6	41.1	39
SO2 (Kg/day)	**360**	4.4	4.5	4.4	3.1	3.4	4.4
Nox (mg/Nm3)	**450**	55.0	56.7	59.8	61.4	57.9	53
CO ppm	**200**	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Acid mist (mg/Nm3)	**35**	8.4	9.2	7.7	6.17	7.7	9.2

ANNEXURE II

STACK EMISSION MONITORING

C

Heater Stack Emission Monitoring - PA IV							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		31 m	31 m	31 m	31 m	31 m	31 m
Inside Diameter (m)		0.80 m	0.80 m	0.80 m	0.80 m	0.80 m	0.8 m
Stack Area (m^2)		0.503 m2	0.503 m2	0.503 m2	0.503 m2	0.503 m2	0.503 m2
Flue Gas Temperature (°C)		-	152 °C	-	150 °C	152 °C	160 °C
Velocity m/sec		-	8.8	-	7.2 m/sec	8.3 m/sec	7.5 m/sec
Flow m3/hr.		-	10757	-	5987 m^3/hr.	6255 m^3/hr.	9075 m^3/hr.
Fuel Used		HSD + Residue	HSD + Residue	HSD + Residue	HSD + Residue	HSD + Residue	HSD + Residue
Fuel Quantity		4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD	4 MTPD + 7 MTPD
PA IV Heater	**Limiting Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		-	**13-05-2025**	**-**	**12-07-2025**	**21-08-2025**	**19-09-2025**
TPM (mg/Nm3)	**100**		51.2		46.3	39.9	40.1
SO2 (Kg/day)	**360**		6.3		4.1	3.9	4.5
Nox (mg/Nm3)	**450**		51.2		54.0	50.9	51.3
CO ppm	**200**		<0.2		<0.2	0.2	<0.2
Acid mist (mg/Nm3)	**35**		7.7		11.5	9.3	12.3

ANNEXURE II

STACK EMISSION MONITORING

D

Boiler Stack Emission Monitoring							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		55 m	55 m	55 m	55 m	55 m	55 m
Inside Diameter (m)		2.60 m	2.60 m	2.60 m	2.60 m	2.60 m	2.60 m
Stack Area (m^2)		5.311 m^2	5.311 m^2	5.311 m^2	5.311 m^2	5.311 m^2	5.311 m^2
Flue Gas Temperature (°C)		162 °C	139 °C	142 °C	150 °C	165 °C	169 °C
Velocity m/sec		4.1 m/sec	4.1 m/sec	4.1 m/sec	3.5 m/sec	4.3 m/sec	4.2 m/sec
Flow m3/hr.		51958 m^3/hr.	55973 m^3/hr.	54457 m^3/hr.	25964 m^3/hr.	25014 m^3/hr.	53500 m^3/hr.
Fuel Used		Furnace Oil	Furnace Oil	Furnace Oil	Furnace Oil	Furnace Oil	Furnace Oil
Fuel Quantity		28 MTPD (maximum)	27 MTPD (maximum)	27 MTPD (maximum)	27 MTPD (maximum)	27 MTPD (maximum)	27 MTPD (maximum)
Boiler	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		01-04-2025	**12-05-2025**	**02-06-2025**	**21-07-2025**	**20-08-2025**	**17-09-2025**
TPM(mg/Nm3)	100	57.6	54.1	67.2	56.1	49.7	53.18
Nox Conc (mg/Nm3)	450	74.3	71.4	79.1	68.5	55.9	72.3
SO2 (Kg/Day)	2430	82.5	79.6	72.6	28	20.6	59.4
CO mg/Nm3	200	9.3	8.8	9.7	8.4	9.2	8.6

E

Scrubber Stack Emission Monitoring - PA I

ANNEXURE II

STACK EMISSION MONITORING

Physical Data:		Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025
Stack Height (m)		50 m	50 m	50 m	50 m	50 m	50 m
Inside Diameter (m)		1.69 m	1.69 m	1.99 m	1.99 m	1.99 m	1.99 m
Stack Area (m^2)		2.244 m^2	2.244 m^2	3.11 m^2	3.112 m^2	3.112 m^2	3.112 m^2
Flue Gas Temperature (°C)		46 °C	45 °C	48 °C	40 °C	48 °C	47 °C
Velocity m/sec		8.4 m/sec	7.9 m/sec	8.5 m/sec	7.2 m/sec	8.3 m/sec	8.0 m/sec
Flow m3/hr.		80306 m^3/hr	73993 m^3/hr	77372 m^3/hr	71485 m^3/hr	77519 m^3/hr	75331 m^3/hr
PA I Scrubber	Limiting Standard	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025
		02-04-2025	13-05-2025	04-06-2025	21-07-2025	20-08-2025	17-09-2025
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
SO2 (mg/Nm3)	850	<5.0	<5.0	<5.0	<5.0	2.5	4.01
TPM (mg/Nm3)	50	21.4	12.4	15.6	19.4	17	19.7
NOX (mg/Nm3)	350	<9.0	<9.0	<9.0	<9.0	5.8	6.7
Acid mist (mg/Nm3)	35	10.7	9.2	10.8	12.3	12.3	13.8
ND - NOT DETECTED							

Scrubber Stack Emission Monitoring - PA II

F

ANNEXURE II

STACK EMISSION MONITORING

Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		50 m	50 m	50 m	50 m	50 m	50 m
Inside Diameter (m)		1.69 m	1.69 m	1.69 m	1.69 m	1.69 m	1.69 m
Stack Area (m^2)		2.244 m^3	2.244 m^2	2.244 m^2	2.244 m^2	2.244 m^2	2.24 m^2
Flue Gas Temperature (°C)		48 °C	47 °C	45 °C	42 °C	48 °C	45 °C
Velocity m/sec		7.7 m/sec	7.6 m/sec	7.7 m/sec	7.5 m/sec	7.9 m/sec	7.8 m/sec
Flow m3/hr.		51992 m^3/hr	52686 m^3/hr	53319 m^3/hr	52899 m^3/hr	52689 m^3/hr	53329 m^3/hr
PA - II Scrubber	**Limiting Standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		03-10-2024	**13-05-2025**	**03-06-2025**	**22-07-2025**	**21-08-2025**	**18-09-2025**
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
SO_2 (ppm)	1700	<5.0	<5.0	<5.0	<5.0	3.5	<5.0
TPM (mg/Nm3)	100	23.61	17.5	18.7	21.6	25	23.7
Nox (mg/Nm3)	450	<9.0	<9.0	<9.0	<9.0	5.8	<9.0
Acid mist (mg/Nm3)	35	15.39	10.7	13.8	15.4	13.8	10.7
ND - NOT DETECTED							

ANNEXURE II

STACK EMISSION MONITORING

G

Scrubber Stack Emission Monitoring - PA III							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		50 m	50 m	50 m	50 m	50 m	50 m
Inside Diameter (m)		1.69 m	1.69 m	1.69 m	1.69 m	1.69 m	1.69 m
Stack Area (m^2)		2.244 m^3	2.24 m^2	2.244 m^2	2.244 m^2	2.244 m^2	2.244 m^2
Flue Gas Temperature (°C)		44 °C	48 °C	47 °C	40 °C	46 °C	46 °C
Velocity m/sec		8.3 m/sec	7.6 m/sec	7.51 m/sec	7.5 m/sec	7.7 m/sec	7.6 m/sec
Flow m3/hr.		58065 m^3/hr	50756 m^3/hr	50163 m^3/hr	53366 m^3/hr	52917 m^3/hr	52739 m^3/hr
PA III Scrubber	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		01-04-2025	**12-05-2025**	**03-06-2025**	**22-07-2025**	**21-08-2025**	**18-09-2025**
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
SO_2 (ppm)	1700	<5.0	<5.0	<5.0	<5.0	3.8	3.5
TPM (mg/Nm3)	100	18.4	15.6	22.4	24.3	19.4	17.8
Nox (mg/Nm3)	450	<9.0	<9.0	<9.0	<9.0	7.7	5.7
Acid mist (mg/Nm3)	35	13.8	12.3	10.7	9.24	10.8	12.3
ND - NOT DETECTED							

ANNEXURE II

STACK EMISSION MONITORING

H

Scrubber Stack Emission Monitoring - PA IV							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		50 m	50 m	50 m	50 m	50 m	50 m
Inside Diameter (m)		1.69 m	1.69 m	1.69 m	1.69 m	1.69 m	1.69 m
Stack Area (m^2)		2.244 m^2	2.244 m^2	2.244 m^2	2.244 m^2	2.244 m^2	2.244 m^2
Flue Gas Temperature (°C)		-	45 °C	46 °C	42 °C	44 °C	47 °C
Velocity m/sec		-	7.6 m/sec	7.9 m/sec	7.5 m/sec	7.5 m/sec	8.0 m/sec
Flow m3/hr.		-	53379 m^3/hr	54744 m^3/hr	53414 m^3/hr	52190 m^3/hr	55093 m^3/hr
PA IV Scrubber	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		-	**14-05-2025**	**04-06-2025**	**23-07-2025**	**21-08-2025**	**19-09-2025**
TOC (mg/Nm3)	150		1.6	1.6	1.6	1.6	1.6
SO_2 (ppm)	850		<5.0	<5.0	<5.0	4.0	<5.0
TPM	50		23.7	26.7	22.8	24.9	25.4
Nox	350		<9.0	<9.0	<9.0	7.7	<9.0
Acid mist (mg/Nm3)	35		6.2	7.6	10.7	9.22	9.2
ND- Not Detected							

ANNEXURE II

STACK EMISSION MONITORING

I

Stack Emission Monitoring - PA Dedusting 1							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		12 m	12 m	12 m	12 m	12 m	12 m
Inside Diameter (m)		0.35 m	0.35 m	0.35 m	0.35 m	0.35 m	0.35 m
Stack Area (m^2)		0.106 m^2	0.106 m^2	0.096 m^2	0.1 m^2	0.1 m^2	0.1 m^2
Flue Gas Temperature (°C)		42 °C	44 °C	40 °C	38 °C	38 °C	38 °C
Velocity m/sec		10.8 m/sec	10.9 m/sec	7.6 m/sec	8.0 m/sec	10.7 m/sec	10.2 m/sec
Flow m3/hr.		3468 m3/hr	3472 m^3/hr	2439 m^3/hr	2612 m^3/hr	3451 m^3/hr	3309 m^3/hr
PA Dedusting 1	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		03-04-2025	**15-05-2025**	**05-06-2025**	**23-07-2025**	**18-08-2025**	**15-09-2025**
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
TPM (mg/Nm3)	150	11.7	9.1	5.6	7.1	6.8	8.6
Acid mist (mg/Nm3)	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

J

Stack Emission Monitoring - PA Dedusting 2						
Physical Data:	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)	12 m	12 m	12 m	12 m	12 m	12 m
Inside Diameter (m)	0.35 m	0.35 m	0.35 m	0.35 m	0.35 m	0.35 m
Stack Area (m^2)	0.106 m^2	0.106 m^2	0.096 m^2	0.1 m^2	0.1 m^2	0.096 m^2

ANNEXURE II

STACK EMISSION MONITORING

Flue Gas Temperature (°C)		46 °C	48 °C	40 °C	39 °C	40 °C	39 °C
Velocity m/sec		11.2 m/sec	10.8 m/sec	8.3 m/sec	8.3 m/sec	8.3 m/sec	9.2 m/sec
Flow m3/hr.		3567 m^3/hr	3376 m^3/hr	2695 m^3/hr	2694 m^3/hr	2681 m^3/hr	2971 m^3/hr
PA Dedusting 2	Limiting standard	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025
		03-04-2025	15-05-2025	05-06-2025	23-07-2025	18-08-2025	04-03-2025
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
TPM (mg/Nm3)	150	9.5	10.1	8.5	7.8	7.1	6.3
Acid mist (mg/Nm3)	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

K

Scrubber Stack Emission Monitoring - PA Dedusting 3							
Physical Data:		Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025
Stack Height (m)		12 m	12 m	12 m	12 m	12 m	12 m
Inside Diameter (m)		0.35 m	0.35 m	0.35 m	0.35 m	0.35 m	0.35 m
Stack Area (m^2)		0.126 m2	0.126 m2	0.126 m2	0.13 m2	0.13 m2	0.126 m2
Flue Gas Temperature (°C)		44 °C	44 °C	48 °C	38 °C	38 °C	42 °C
Velocity m/sec		12.36 m/sec	11.2 m/sec	11.9 m/sec	9.8 m/sec	9.8 m/sec	12.5 m/sec
Flow m3/hr.		5175 m^3/hr	3547 m^3/hr	4878 m^3/hr	4180 m^3/hr	4180 m^3/hr	5292 m^3/hr
PA Dedusting 3	Limiting standard	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025
		03-04-2025	15-05-2025	05-06-2025	23-07-2025	04-02-2025	07-03-2025
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
TPM (mg/Nm3)	150	8.7	7.9	7.4	6.2	6.2	7.2
Acid mist (mg/Nm3)	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

ANNEXURE II

STACK EMISSION MONITORING

L

Stack Emission Monitoring - PA Dedusting 4							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		12 m	12 m	12 m	12 m	12 m	12 m
Inside Diameter (m)		0.35 m	0.35 m	0.35 m	0.35 m	0.35 m	0.35 m
Stack Area (m^2)		0.126 m2	0.126 m2	0.126 m2	0.126 m2	0.13 m2	0.126 m2
Flue Gas Temperature (°C)		42 °C	48 °C	44 °C	38 °C	38 °C	45 °C
Velocity m/sec		10.1 m/sec	11.32 m/sec	10.2 m/sec	9.8 m/sec	9.8 m/sec	12.3 m/sec
Flow m3/hr.		4245 m^3/hr	4667 m^3/hr	4237 m^3/hr	4180 m^3/hr	4180 m^3/hr	5150 m^3/hr
PA Dedusting 4	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		03-04-2025	**15-05-2025**	**05-06-2025**	**24-07-2025**	**18-08-2025**	**15-09-2025**
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
TPM (mg/Nm3)	150	13.9	12.1	10.9	6.2	6.2	9.7
Acid mist (mg/Nm3)	25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

M

Scrubber Stack Emission Monitoring - MA Bagging							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		30 m	30 m	30 m	30 m	30 m	30 m
Inside Diameter (m)		0.264 m	0.264 m	0.264 m	0.5 m	0.5 m	0.5 m
Stack Area (m^2)		0.065 m^2	0.065 m^2	0.055 m^2	0.2 m^2	0.2 m^2	0.2 m^2
Flue Gas Temperature (°C)		46 °C	43 °C	40 °C	43 °C	40 °C	41 °C
Velocity m/sec		8.3 m/sec	7.7 m/sec	7.9 m/sec	6.7 m/sec	7.3 m/sec	8.3 m/sec
Flow m3/hr.		1501 m^3/hr	1402 m^3/hr	1459 m^3/hr	7227 m^3/hr	7351 m^3/hr	1528 m^3/hr
MA bagging	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		04-04-2025	**16-05-2025**	**06-06-2025**	**24-07-2025**	**19-08-2025**	**16-09-2025**
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
TPM (mg/Nm3)	150	12.7	13.6	12.3	13.5	12.5	14.5

ANNEXURE II

STACK EMISSION MONITORING

Acid Mist (mg/Nm3)	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

N

Scrubber Stack Emission Monitoring - MA Flaker							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		30 m	30 m	30 m	30 m	30 m	30 m
Inside Diameter (m)		0.264 m	0.264 m	0.264 m	0.264 m	0.264 m	0.264 m
Stack Area (m^2)		0.065 m2	0.065 m2	0.055 m2	0.055 m2	0.1 m2	0.1 m2
Flue Gas Temperature (°C)		42 °C	40 °C	42 °C	42 °C	39 °C	43 °C
Velocity m/sec		11.3 m/sec	11.2 m/sec	11.8 m/sec	5.6 m/sec	9.4 m/sec	11.1 m/sec
Flow m3/hr.		2067 m^3/hr	2069 m^3/hr	2167 m^3/hr	4125 m^3/hr	4739 m^3/hr	2032 m^3/hr
MA flaker	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		04-04-2025	**16-05-2025**	**06-06-2025**	**24-07-2025**	**19-08-2025**	**16-09-2025**
TOC (mg/Nm3)	150	1.6	1.6	1.6	1.6	1.6	1.6
TPM (mg/Nm3)	150	8.2	7.9	9.1	10.6	9.3	8.7
Acid mist (mg/Nm3)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

O

Stack Emission Monitoring DG 2250 KVA							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		30 m	30 m	30 m	15 m	15 m	15 m
Inside Diameter (m)		0.5 m	0.5 m	0.5 m	0.5 m	0.5 m	0.5 m
Stack Area (m^2)		0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2
Flue Gas Temperature (°C)		148 °C	137 °C	146 °C	139 °C	138 °C	139 °C
Velocity m/sec		7.1 m/sec	6.8 m/sec	7.0 m/sec	7.0 m/sec	7.1 m/sec	7.1 m/sec
Flow m3/hr.		3505 m^3/hr.	3448 m^3/hr.	3473 m^3/hr.	3505 m^3/hr.	3561 m3/hr.	3529 m^3/hr.
Fuel Used		HSD	HSD	HSD	HSD	HSD	HSD
DG 2250 KVA		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**

ANNEXURE II

STACK EMISSION MONITORING

	Limiting standard	01-04-2025	12-05-2025	02-06-2025	21-07-2025	20-08-2025	17-09-2025
TPM(mg/Nm3)	100	46.2	39.9	41.3	33.1	26.7	31.0
Nox conc (mg/Nm3)	450	61.7	50.1	53	46.1	43.4	47.2
SO2 (mg/Nm3)	1700	33.4	25.1	30.5	27.8	30.1	25.1
CO (mg/Nm3)	200	<0.2	0.14	<0.2	<0.05	0.40	<0.2

P

Stack Emission Monitoring DG 2000 KVA							
Physical Data:		**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
Stack Height (m)		30 m	30 m	30 m	15 m	30 m	15 m
Inside Diameter (m)		0.5 m	0.5 m	0.5 m	0.5 m	0.5 m	0.5 m
Stack Area (m^2)		0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2	0.196 m^2
Flue Gas Temperature (°C)		143 °C	140 °C	134 °C	135 °C	140 °C	138 °C
Velocity m/sec		7.1 m/sec	6.9 m/sec	7.0 m/sec	6.8 m/sec	7.2 m/sec	7.2 m/sec
Flow m3/hr.		3518 m^3/hr.	3447 m^3/hr.	3528 m^3/hr.	3415 m^3/hr.	3588 m^3/hr.	3605 m^3/hr.
Fuel Used		HSD	HSD	HSD	HSD	HSD	HSD
DG 2000 KVA	**Limiting standard**	**Apr 2025**	**May 2025**	**Jun 2025**	**Jul 2025**	**Aug 2025**	**Sep 2025**
		01-04-2025	**12-05-2025**	**02-06-2025**	**21-07-2025**		**17-09-2025**
TPM(mg/Nm3)	100	40.5	43.5	53.1	45.3		44.2
Nox conc (mg/Nm3)	450	55.9	58.6	61.7	58.6		62.7
SO2 (mg/Nm3)	1700	28.4	30.1	36.8	30.2		31.8
CO (mg/Nm3)	200	<0.2	<0.2	<0.2	<0.18		<0.2

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd

ANNEXURE III

A) DATA ON WATER CONSUMPTION

PERIOD: April 2025 TO September 2025

MIDC Raw water receipt (April 2025 TO September 2025)		
Month	**Raw water per month**	**Raw water per day**
April 2025	73010	2434
May 2025	54490	1758
June 2025	98280	3276
July 2025	86830	2801
August 2025	89050	2873
September 2025	91000	3033
Average	**82110**	**2696**

B) DATA ON EFFLUENT GENERATION

PERIOD: April 2025 TO September 2025

CONSENTED EFFLUENT DISCHARGE TO CETP- 220 M3/DAY

Effluent discharged to CETP (April 2025 TO September 2025)		
Month	**Effluent per month (m3)**	**Effluent per day (m3)**
April 2025	2423	81
May 2025	2503	81
June 2025	1990	66
July 2025	1893	61
August 2025	1871	60
September 2025	1777	59
Average	**2076**	**68**

ANNEXURE – IV

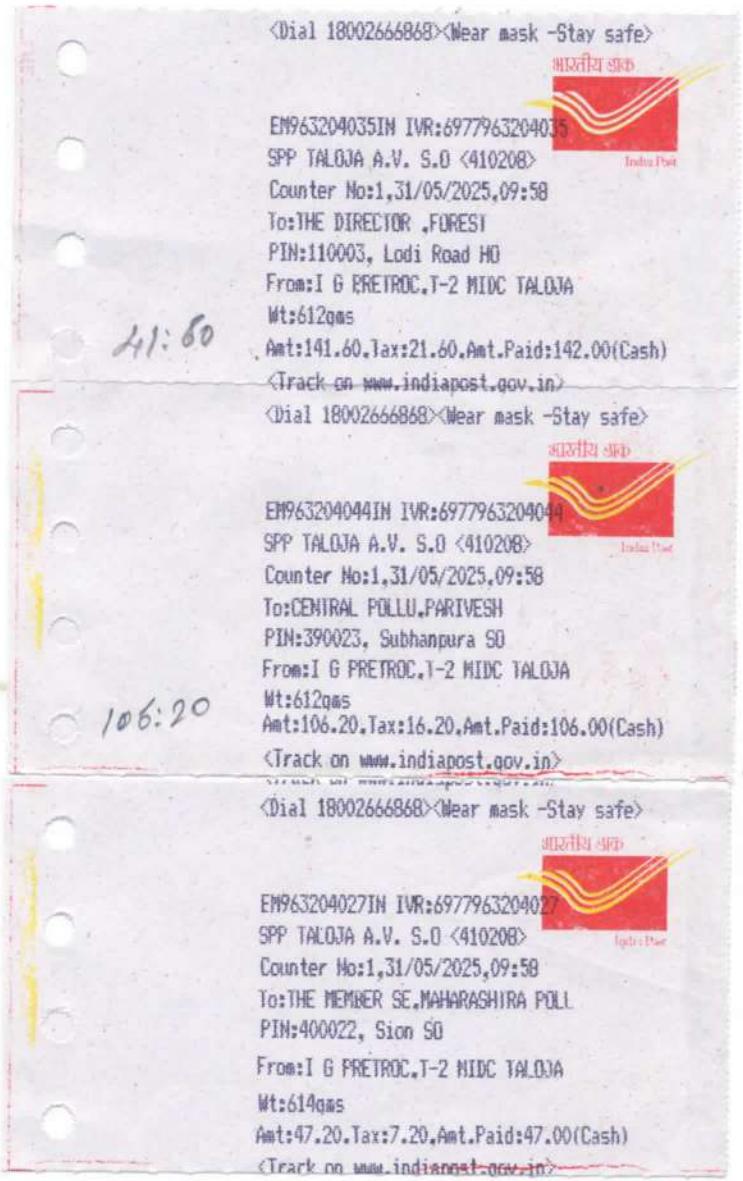
RESIDUE GENERATION DATA

PERIOD – April 2025 TO September 2025

MPCB Limit – 565.32 MT/M

Month	Residue Generation (MT)
April 2025	**228.35**
May 2025	**232.73**
June 2025	**234.24**
July 2025	**322.75**
August 2025	**273.62**
September 2025	**283.63**
Average	**262.55**

ANNEXURE V



<Dial 18002666868><Wear mask -Stay safe>

भारतीय डाक

EM963204035IN IVR:6977963204035
SPP TALOJA A.V. S.O <410208>
Counter No:1,31/05/2025,09:58
To:THE DIRECTOR ,FORESI
PIN:110003, Lodi Road HO
From:I G PRETROC,T-2 MIDC TALOJA
Wt:612gms
Amt:141.60,Tax:21.60,Amt.Paid:142.00(Cash)
<Track on www.indiapost.gov.in>

141.60

<Dial 18002666868><Wear mask -Stay safe>

भारतीय डाक

EM963204044IN IVR:6977963204044
SPP TALOJA A.V. S.O <410208>
Counter No:1,31/05/2025,09:58
To:CENTRAL POLLU.PARIVESH
PIN:390023, Subhanpura SO
From:I G PRETROC,T-2 MIDC TALOJA
Wt:612gms
Amt:106.20,Tax:16.20,Amt.Paid:106.00(Cash)
<Track on www.indiapost.gov.in>

106.20

<Dial 18002666868><Wear mask -Stay safe>

भारतीय डाक

EM963204027IN IVR:6977963204027
SPP TALOJA A.V. S.O <410208>
Counter No:1,31/05/2025,09:58
To:THE MEMBER SE.MAHARASHTRA POLL
PIN:400022, Sion SO
From:I G PRETROC,T-2 MIDC TALOJA
Wt:614gms
Amt:47.20,Tax:7.20,Amt.Paid:47.00(Cash)
<Track on www.indiapost.gov.in>

<Dial 18002666868><Wear mask -Stay safe>

EM963204058IN IVR:6977963204058
SP TALOJA A.V. S.O <410208>
Counter No:1,31/05/2025,09:58
To:THE MEMBER SE,MAHARASHTRA POLL
PIN:400022, Sion SO
From:I G PRETROC,T-2 MIDC TALOJA
Wt:370gms
Amt:35.40,Tax:5.40,Amt.Paid:35.00(Cash)
<Track on www.indiapost.gov.in>

35:40

<Dial 18002666868><Wear mask -Stay safe>

EM963204061IN IVR:6977963204061
SP TALOJA A.V. S.O <410208>
Counter No:1,31/05/2025,09:58
To:THE DIRECTOR ,MINISTRY OF ENVI
PIN:110003, Lodi Road HO
From:I G PRETROC,T-2 MIDC TALOJA
Wt:368gms
Amt:94.40,Tax:14.40,Amt.Paid:94.00(Cash)
<Track on www.indiapost.gov.in>

94:40

<Dial 18002666868><Wear mask -Stay safe>

EM963204146IN IVR:6977963204146
SP TALOJA A.V. S.O <410208>
Counter No:1,31/05/2025,09:58
To:CENTRAL POLLU,PARIVESH
PIN:390023, Subhanpura SO
From:I G PRETROC,T-2 MIDC TALOJA
Wt:330gms
Amt:70.80,Tax:10.80,Amt.Paid:71.00(Cash)
<Track on www.indiapost.gov.in>

ANNEXURE - VI

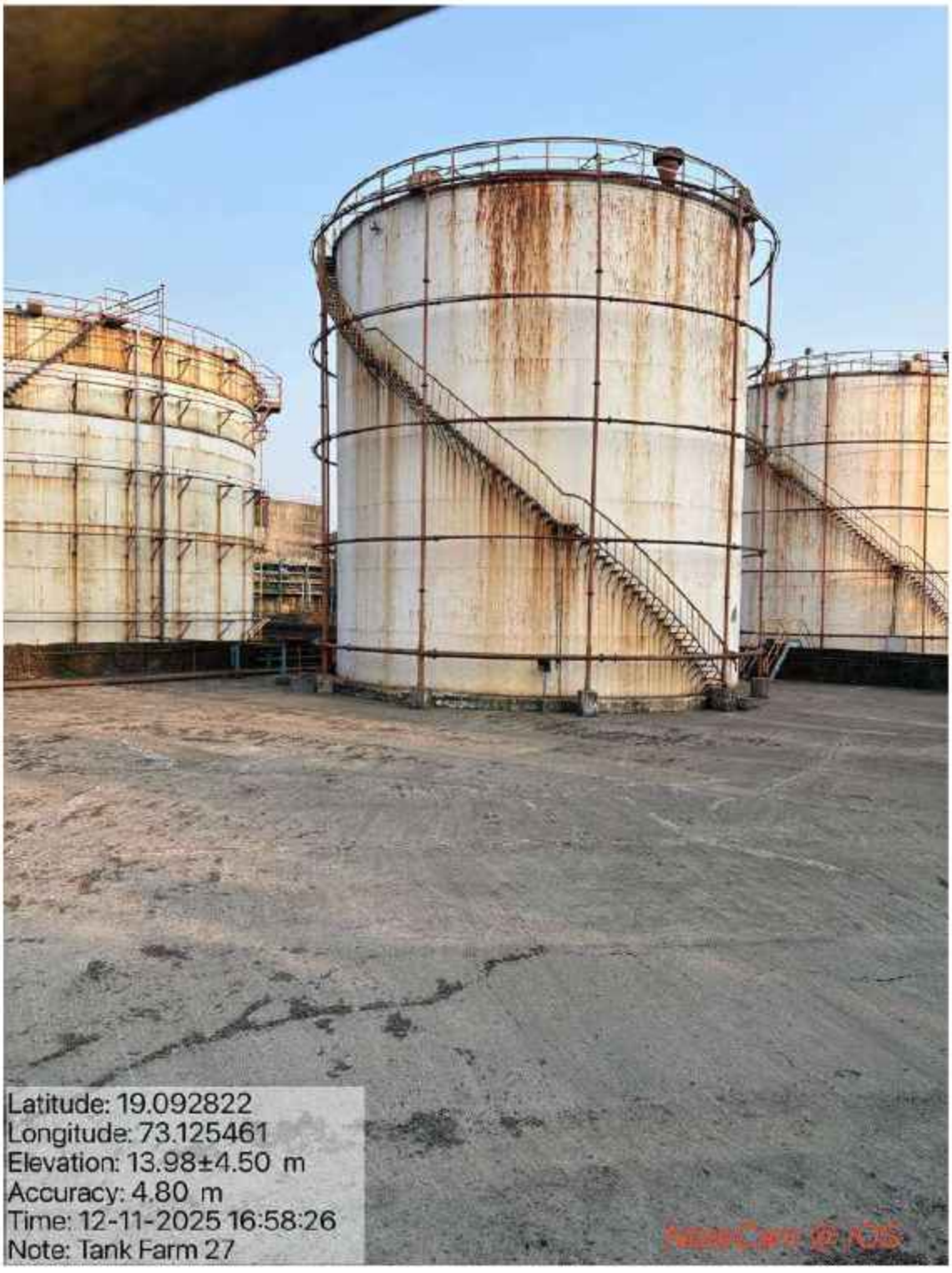
Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage



ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VII

KEY PLAN

EXISITING GREEN BELT AREA

PROPOSED GREEN BELT AREA

EXISTING NALLA

20.00 METER WIDE ROAD

PROPOSED GREEN BELT

EXISTING NALLA

EXISTING NALLA

25.00 METER WIDE ROAD

EXISTING NALLA

61.00 METER WIDE MIDC ROAD

6M WIDE ROAD

4M WIDE ROAD

ROAD 9M WIDE

ROAD

OPEN DRAIN

CULVERT

GATE

LP

EP

N

ETP

DEP FINISHED PRODUCT STORAGE

MULTIPLE EFFECT EVAPORATOR

21 - B ETP

R.G. AREA - 5 5612.43 SQ.MT.

EXISTING

(SP.NOTE-1)

ORTHOXYLENE STORAGE CAPACITY 2000 MT EACH

F.O. TANK

F.O. PUMP ROOM

PUMP ROOM

NEW PIPERACK FROM OX UNLOADING BAY TO TANKFARM

OX LOADING BAY

RM ALCOHOL TANK 28

06 CRUDE PA TANK

03 PA IV PLANT (DISTILLATION)

01 PA IV PLANT (OXIDATION)

01 TG4 BUILDING

EXISITING GREEN AREA - 8 903.18 SQM.

PROPOSED GREEN AREA 18 2128.62 SQM.

07 THERMAL HEATER

27 NEW FW PUMPS

FIRE WATER STORAGE TANK

PUMP HOUSE

23 INSTRUMENT PANEL ROOM & SUBSTATION FOR MA-3

PROPOSED GREEN AREA 16 1121.77 SQM

20

NEW D.M. PLANT

CAUSTIC LEY TANK

UG TANK

H.C.L. TANK

D.M. TANK

05 DM PLANT & TANK

D.M. PLANT

CONTROL ROOM

COOLING WATER PUMPS

TANK

COOLING TOWER II

SIDE STREAM FILTER

C.T. TANK

EXISTING GREEN AREA - 04 1506.80 SQM

04 COOLING TOWER 4

04 DEP PLANT LOAD / UNLOAD AREA

30

19 DEP - CONTROL ROOM & MCC ROOM

EXISTING PWP AREA

EXISITING GREEN AREA - 11 1861.50 SQ.MT.

PROPOSED GREEN AREA 20 536.64 SQM.

PROPOSED GREEN AREA 21 836.64 SQM.

EXISITING GREEN AREA - 10 1946.40 SQM.

PROPOSED GREEN BELT

PROPOSED GREEN AREA - 22 = 1975.26 SQM.

SAMPLING SHED

PROPOSED GREEN AREA 17 537.12 SQM.

TANK

PA-II PLANT

PA-II PLANT

TG-II BUILDING

FILTER HOUSE

11 PA-II MCC & SATELLITE CONTROL ROOM

SUB STATION

M.A IV PUMP HOUSE AREA

RAW WATER PUMP HOUSE

RAW WATER TANK

32 PUMP HOUSE

SIDE STREAM FILTER

COOLING TOWER I

SIDE STREAM FILTER - II

31 D.E.P. PLANT-2

PROPOSED GREEN AREA - 23 636.86 SQM.

17 WASH WATER TANK

HEATER

SCRUBBER

CHIMNEY

26 3rd CRYSTALLIZER STRUCTURE

EXISITING GREEN AREA - 7 1018.72 SQ.MT.

12 INSTRUMENT PANEL ROOM & RO_CCR

FLAKER CW TANK WITH PUMPS

22

09 PA FLAKER BUILDING

NEW FLAKER

EXISTING GREEN AREA - 14 606.41 SQ.MT.

STORE,WORKSHOP

08 COMPRESSOR

EFFLUENT TANK

EXISTING WARE HOUSE

MA-II PLANT

MA-III PLANT

MA-I PLANT

MA-I EQUIPMENT LAYOUT 18

MA CONTROL ROOM (OFFICE FOR MCC & ELECTRICAL ROOM)

M.C.C. WARE HOUSE BLDG. 02

MA-FLAKER BUILDING

WARE HOUSE

EXISITING GREEN AREA - 1 1218.15 SQM.

EXISITING GREEN AREA - 6 1076.90 SQM.

HPN SYSTEM

TG-I BUILDING

13 FILTER HOUSE

TANK

AIR STORAGE TANK

PA-I PLANT

CHIMNEY

SCRUBBER

HEATER AREA

EXISITING GREEN AREA - 5 809.36 SQM.

EXISITING GREEN AREA - 2 1456.53 SQM

ADM. BUILDING

TEMPLE

EXISITING GREEN AREA - 03 815.32 SQM.

TRANSFORMER ROOM

KIOSK ROOM

METER ROOM No. 2

METER ROOM No. 1

PROPOSED GREEN AREA 14 510.46 SQM.

PROPOSED GREEN AREA - 15 862.97 SQM.

DRAIN

TRANSFORMER

10 EXISTING DG PA-ISS

PA-I

MCC

DG HOUSE

BOILER HOUSE

BOILER AREA

CHIMNEY

33 PA - V

29 ADM CAB

PROPOSED GREEN AREA 13 1022.98 SQM

PROPOSED GREEN AREA - 12 - 809.05 SQ.MT.

EXISITING GREEN BELT

GREEN BELT EXISITING

GREEN BELT EXISITING

PROPOSED BUILDING AREA STATEMENT

SR. NO.	DESCRIPTION
01	PA IV PLANT (OXIDATION) PA-IV TG-4 BUILDING
02	M.A. CONTROL ROOM LAYOUT
03	PA-IV DISTILLATION
04	COOLING TOWER SIDE STREAM FILTER BLOW DOWN PIT
05	DM PLANT & TANK
06	CRUDE PA & PURE PA
07	PA-IV THERMAL HEATER AREA
08	COMPRESSOR HOUSE
09	PA FALKER HOUSE
10	EXISTING CCR & PA-4SS
11	M.A IV - PUMP HOUSE & SUBSTATION
12	INSTRUMENT PANEL ROOM & RO_CCR
13	HPN SYSTEM
17	WASH WATER TANK
18	MA-4 - EQUIPMENT LAYOUT
19	DEP - CONTROL ROOM & MCC ROOM
20	OX LOADING BAY
21	AREA FOR NEW ETP EQUIPMENT LAYOUT
22	FLAKER CW SYSTEM
23	INSTRUMENT PANEL ROOM & SUBSTATION FOR MA-4
24	02 ETP- MEE-ATFD
25	EXTENED WAREHOUSE
26	EQUIPMENT LAYOUT PLAN & 3RD CRYSTALLIZER IN PA - 2 PLANT
27	FW PUMP HOUSE
28	RM ALCOHOL TANK
29	NEW LAB BUILDING
30	D.E.P PLANT & LOAD / UNLOAD AREA
31	D.E.P. PLANT 2
32	RAW WATER PUMP HOUSE
33	PA V BUILDING

NAME OF OWNER

IG PETROCHEMICALS LIMITED.

MR. J. K. SABOO (EXECUTIVE DIRECTOR)

DESCRIPTION OF PROPOSAL AND PROPERTY

PROPOSED FACTORY BUILDING FOR IG PETROCHEMICALS LTD, ON PLOT NO. T2, T2/1, V45, V11 & V12, V13, V14 & T1, TALOJA M.I.D.C. AREA, TAL - PANVEL, DIST- RAIGAD.

	NAME OF OWNER
SIGNATURE OF OWNER	IG PETROCHEMICAL LTD
	NAME OF ARCHITECT
SIGNATURE OF ARCHITECT	M.R. KASHELKAR & CO. ARCHITECT AND INTERIOR DESIGNER 410-412, GLOBE ARCADE, 4TH FLOOR, RP-112, MIDC RESIDENTIAL ZONE, NEAR MIDC GANPATI MANDIR, DOMBIVLI (E) 421 203. PHONE 9619267569

IG PETROCHEMICALS LIMITED.

PROPOSED FACTORY BUILDING FOR IG PETROCHEMICALS LTD, FOR PA - 5 ON PLOT NO. T2, T2/1, V45, V11 & V12, V13, V14 & T1, TALOJA M.I.D.C. AREA, TAL - PANVEL, DIST- RAIGAD.

AREA STATEMENT		SQ. MT.
1	AREA OF THE PLOT	113282.00
2	LESS - NALLA AREA	3838.92
3	TOTAL NET AREA OF THE PLOT	109443.08
4	GREEN BELT AREA REQUIRED 33%	36116.22
	EXISITING GREEN BELT AREA (12%)	13313.45
	PROPOSED GREEN BELT AREA (14%)	15751.18
	PROPOSED GREEN BELT AREA OUTSIDE OF THE PLOT (4%)	4149.00
	EXISITING GREEN BELT AREA OUTSIDE OF THE PLOT (5%)	6069.00
5	PROPOSED TOTAL GREEN BELT AREA	39282.63
6	TOTAL GREEN BELT PROPOSED IN PERCENTAGE	36%

STAMP FOR APPROVAL	01/01
E.C. LAYOUT	

JOB NO	DRG NO	DATE	FOR	DRAWN BY	CHKED BY
O-21/18-19	EC - 01	18-12-2021	CANCELLED	PPS	KMK
O-21/18-19	EC - 02	25-12-2021	CANCELLED	PPS	KMK
O-21/18-19	EC - 03	30-04-2022	CANCELLED	PPS	KMK
O-21/18-19	EC - 04	10-05-2022	CANCELLED	PPS	KMK
O-21/18-19	EC - 05	01-06-2022	CANCELLED	PPS	KMK
O-21/18-19	EC - 06	01-07-2022	APPROVAL	PPS	KMK

ANNEXURE VIII

Note on Occupational Health Surveillance Programme & Proper housekeeping and adequate occupational health programme

1. All employees and contract employees are undergoing bi-annually medical check up every year in the month of January and July through Certifying Surgeon appointed by State Government of Maharashtra.

2. These medical check ups includes general medical examination, weight, height, eye sight, Blood Pressure, lung function test, routine blood examination, routine urine examination and X-ray once in a year.

3. Medical check up reports are available since 2006. As due to flood in July, 2005 all records since commissioning of the plant at Taloja have been lost.

4. Pre-employment medical check up is being carried out for each new recruitee.

5. Employees if meets with any accident or fall sick during the working ours, such employees is admitted or giving treatment in Dr. Gandhi's Hospital, Panvel located at about 14 KM from factory.

6. Full time appointed qualified doctor is appointed as medical officer and is available in factory during general shift.First aid facility is provided at the factory and managed by a whole time during in the General shift. During wee hours first aid Center is looked by mail nurse.

7. First aid centre is equipped with oxygen cylinder, Breathing Apparatus and essential medicines.

8. Ambulance is stationed at factory for all 24 hours and equipped with 2 structures and 2 oxygen cylinders and other accessories.

9. First aid training programmes are conducted every alternative month and about 70 employees trained in first aid.

10. First aider training of employees is being conducted by St. Johns Ambulance Institute, which has nation wide network. Retraining of first aider training is being carried out.

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

STAFF

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	10031	Uday Palasmkar	Male	29	Accounts	NA	NA			25-07-2025	FIT	NA	NA	NA	
3	120011	Shankar Lal Sharma	Male	39	Accounts	NA	NA			25-07-2025	FIT	NA	NA	NA	
4	120018	Ajay Gopalakrishnan Konar	Male	37	Accounts	NA	NA			25-07-2025	FIT	NA	NA	NA	
5	120016	Pankaj Bhootra	Male	50	Accounts	NA	NA			26-07-2025	FIT	NA	NA	NA	
6	120010	Rajesh Balkishan Purwar	Male	57	Accounts	NA	NA			24-07-2025	FIT	NA	NA	NA	
8	112004	Paras Jain	Male	58	Accounts	NA	NA			24-07-2025	FIT	NA	NA	NA	
9	200006	Vishal Ashture	Male	29	Civil	NA	NA			25-07-2025	FIT	NA	NA	NA	
10	200001	Shivkumar Baburao Dhanasure	Male	58	Civil	NA	NA			24-07-2025	FIT	NA	NA	NA	
11	110023	Sagar Jadhav	Male	55	Commercial	NA	NA			25-07-2025	FIT	NA	NA	NA	
12	110009	Mohandas Vadakkethil Kottu	Male	56	Commercial	NA	NA			24-07-2025	FIT	NA	NA	NA	
13	110014	Santosh Kumar Pandey	Male	55	Commercial	NA	NA			25-07-2025	FIT	NA	NA	NA	
14	180006	Ramakant Dharmdas Gautam	Male	49	Custom & Excise	NA	NA			24-07-2025	FIT	NA	NA	NA	
15	180002	Keshav Sitaram Patil	Male	59	Custom & Excise	NA	NA			24-07-2025	FIT	NA	NA	NA	
16	140008	Shailesh Chaudhari	Male	44	EDP	NA	NA			26-07-2025	FIT	NA	NA	NA	
17	140006	Anil Rangnath Suradkar	Male	39	EDP	NA	NA			25-07-2025	FIT	NA	NA	NA	
18	140011	Sagar Balaram Polekar	Male	32	EDP	NA	NA			26-07-2025	FIT	NA	NA	NA	
19	140007	Manish Tiwari	Male	48	EDP	NA	NA			26-07-2025	FIT	NA	NA	NA	
20	250532	Nikhilkumar Ingale	Male	33	EHS - Environment	NA	NA			25-07-2025	FIT	NA	NA	NA	
21	220129	Rajesh Vitthal Mengade	Male	30	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
22	220091	Prabhakar U Parise	Male	47	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
23	220095	Bhushan Charudatta Patil	Male	34	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
24	220096	Rajmahamad Supadu Pinjari	Male	38	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
25	220113	Raghunathreddy Chintireddy	Male	38	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
26	220105	Sushant Ramesh Sonar	Male	32	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
27	220119	Shubham Singh	Male	30	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
28	220120	Sushant Mahadik	Male	28	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
29	220121	Rhushikesh Bhoir	Male	30	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
30	220122	Vishal Padwal	Male	27	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
31	220124	Pratik Dhulap	Male	29	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
32	220126	Sumit Vilash Mhatre	Male	30	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. काचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२८
प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

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Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons Certified fit to resume duty on with signature of [illegible] unfitness or suspention issued		Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
33	220092	Kasam Shashidhar Reddy	Male	33	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
34	220100	Akash Rajaram Mali	Male	38	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
35	220069	Niwrutti Pandurang Umale	Male	43	Electrical	NA	NA			26-07-2025	FIT	NA	NA	NA	
36	220070	Sanjay Damu Jagtap	Male	49	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
37	220071	Anil Mahadik	Male	55	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
38	220127	Rakesh Anant Palane	Male	43	Electrical	NA	NA			26-07-2025	FIT	NA	NA	NA	
39	220128	Naveen Pudari	Male	38	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
40	150015	Pradeep Kumar Singh	Male	41	Engg.Stores	NA	NA			24-07-2025	FIT	NA	NA	NA	
41	150016	Vaibhav Vishwanath Patil	Male	37	Engg.Stores	NA	NA			25-07-2025	FIT	NA	NA	NA	
42	150012	Rupak Bhushan Karnik	Male	40	Engg.Stores	NA	NA			24-07-2025	FIT	NA	NA	NA	
43	150013	Alaya Surendra Khatua	Male	46	Engg.Stores	NA	NA			24-07-2025	FIT	NA	NA	NA	
44	190016	Gokul Balkrushna Khatode	Male	48	Fire Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
45	190008	Bindeshwar Prasad Shah	Male	53	Fire Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
47	FTA	Nayan Patade	Male	60	FTA	NA	NA			26-07-2025	FIT	NA	NA	NA	
48	20170	Anup Manjrekar	Male	48	HO-IT	NA	NA			26-07-2025	FIT	NA	NA	NA	
49	190017	Siddharth Shivram Wankhade	Male	43	HSSEQ	NA	NA			24-07-2025	FIT	NA	NA	NA	
50	190018	Dhairyasheel Ramrao Shinde	Male	47	HSSEQ	NA	NA			26-07-2025	FIT	NA	NA	NA	
51	190021	Kapil Ramkumar Sahu	Male	31	HSSEQ	NA	NA			24-07-2025	FIT	NA	NA	NA	
52	190022	Mahendra Vishwanath Jadhav	Male	54	HSSEQ	NA	NA			25-07-2025	FIT	NA	NA	NA	
53	130022	Roshan Patil	Male	37	Human Resource	NA	NA			24-07-2025	FIT	NA	NA	NA	
54	110019	Megha Sachin Vinarkar	Female	40	HUMAN RESOURCES	NA	NA			25-07-2025	FIT	NA	NA	NA	
55	230126	Pawan Vijayrao Choudhari	Male	39	Instrumentation	NA	NA			25-07-2025	FIT	NA	NA	NA	
56	230150	Rohit Ramesh Patil	Male	34	Instrumentation	NA	NA			26-07-2025	FIT	NA	NA	NA	
57	230155	Ganesh Gholap	Male	27	Instrumentation	NA	NA			26-07-2025	FIT	NA	NA	NA	
58	230158	Vaibhav Vilas Ladge	Male	25	Instrumentation	NA	NA			26-07-2025	FIT	NA	NA	NA	
59	230160	Bhavesh Bhaskar Kalekar	Male	25	Instrumentation	NA	NA			25-07-2025	FIT	NA	NA	NA	
60	230162	Vivek Keshav Mohite	Male	31	Instrumentation	NA	NA			24-07-2025	FIT	NA	NA	NA	
61	230163	Santosh Changdev Bhambare	Male	38	Instrumentation	NA	NA			25-07-2025	FIT	NA	NA	NA	
62	230144	Nitin Anoopsingh Yadav	Male	39	Instrumentation	NA	NA			25-07-2025	FIT	NA	NA	NA	
63	230052	Milind Gajanan Patil	Male	51	Instrumentation	NA	NA			25-07-2025	FIT	NA	NA	NA	

Kachare

डॉ. शिवाजी वि. कचरे
M.B.B.S.DHA,AFIH (MUM)
[illegible] अधिनियम १९४८ च्या
[illegible] (२) प्रमाणे, पनवेल जिल्ह्याकरिता
[illegible] २०२५ पासून दि. २/४/२०२७
[illegible] क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

STAFF

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
64	230117	Santosh Temghare	Male	40	Instrumentation	NA	NA			25-07-2025	FIT	NA	NA	NA	
65	230121	Sandesh Baban Kadam	Male	32	Instrumentation	NA	NA			24-07-2025	FIT	NA	NA	NA	
66	230127	Romit Rajesh Thakur	Male	34	Instrumentation	NA	NA			26-07-2025	FIT	NA	NA	NA	
67	230159	Nitesh Dattatray Gawand	Male	35	Instrumentation	NA	NA			26-07-2025	FIT	NA	NA	NA	
68	130012	Renold Charles Pinto	Male	52	IR AND ADMN	NA	NA			25-07-2025	FIT	NA	NA	NA	
69	130023	Akash Dilip Shingare	Male	39	IR AND ADMN	NA	NA			25-07-2025	FIT	NA	NA	NA	
70	130011	Kishor Borade	Male	52	IR AND ADMN	NA	NA			24-07-2025	FIT	NA	NA	NA	
71	140015	Ghanshyam Pralhad Patil	Male	26	IT	NA	NA			25-07-2025	FIT	NA	NA	NA	
72	240012	Shashikant Bhagawat Sutar	Male	57	Laboratory	NA	NA			25-07-2025	FIT	NA	NA	NA	
73	240025	Praful Khaire	Male	28	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
74	240026	Suraj Jagtap	Male	32	Laboratory	NA	NA			25-07-2025	FIT	NA	NA	NA	
75	240028	Yogesh Sitaram Zaware	Male	31	Laboratory	NA	NA			25-07-2025	FIT	NA	NA	NA	
76	240029	Vishal Vijay Kadam	Male	32	Laboratory	NA	NA			26-07-2025	FIT	NA	NA	NA	
77	240033	Pravin Shivaji Gunjal	Male	30	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
78	240024	Atul Shriram Mawande	Male	59	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
79	240030	Rajesh Shripat Rankar	Male	48	Laboratory	NA	NA			25-07-2025	FIT	NA	NA	NA	
80	240009	Sandip Prabhakar Surve	Male	57	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
81	240019	Ram Krishna Shedbale	Male	55	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
82	240021	Vaibhav Baliram Patil	Male	43	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
83	240022	Vijay Gulabrao Kasar	Male	59	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
84	210169	Ajinath Namdev Vhargar	Male	28	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
85	210007	Sandeep Shripad Kulkarni	Male	55	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
86	210130	Alluri Satya Krishnam Raju	Male	32	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
87	121007	Vemula Shashidhar Reddy	Male	52	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
88	210121	Mohit Kumar Singh	Male	35	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
89	210102	Sandeep Baburao Kadam	Male	38	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
90	210137	Ranjeet Tukaram Thakur	Male	37	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
91	210140	Anuj Gupta	Male	30	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
92	210142	Paresh Lad	Male	35	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
93	210149	Parag Bhaskar Bhoir	Male	31	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	

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कलम १० (२) प्रमाणे, पनवेल जिल्हाकारिता
दि. २/४/२०२५ पासून दि. २/४/२०२८
करिता प्रमाणक शल्य चिकित्सक क्र. MCS 25 पनवेल

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
94	210153	Lakhan Yuvraj Pawar	Male	25	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
95	210163	Dnyanesh Vinesh Kadam	Male	29	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
96	210038	Pavankumar Subbarao Aryasomayajula	Male	53	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
97	210118	Shriram Madhukar Thakur	Male	38	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
98	210127	Suryawanshi Amol Pralhad	Male	34	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
99	210129	Nilesh R Chaudhari	Male	34	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
100	210132	Pankaj Kumar Jha	Male	34	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
101	210134	Kiran K. Patil	Male	30	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
102	210170	Venkatesh Simhadri	Male	38	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
103	250640	Hitendra Kumar	Male	28	Production	NA	NA			24-07-2025	FIT	NA	NA	NA	
104	250626	Pradip Gopal Barate	Male	27	Production - DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
105	250629	Karan Arun More	Male	30	Production - DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
106	250631	Kaif Zikriya Wagle	Male	23	Production - DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
107	250639	Chinmay Jadhav	Male	26	Production - DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
108	250641	Subodh Thakur	Male	22	Production - DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
109	250643	Harshal Malunjkar	Male	22	Production - DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
110	250653	Amit Kumar Singh	Male	26	Production - DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
111	250621	Vinay Kumar Sharma	Male	26	Production - DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
112	250647	Aditya Sakpal	Male	22	Production - MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
113	250648	Aniket Kakade	Male	25	Production - MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
114	250649	Pratik Jadhav	Male	23	Production - MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
115	250619	Chetan Mangesh Pawar	Male	26	Production - MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
116	250605	Bhavesh Bhagvan Mokal	Male	24	Production - MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
117	250609	Jayraj Vijay Gyal	Male	25	Production - MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
118	250628	Yashodeep Rajendra Kasare	Male	25	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
119	250633	Sachin Kamlesh Dubey	Male	24	Production - PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
120	250634	Kunal Singh Maurya	Male	22	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
121	250636	Akshay Sanjay Naik	Male	24	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
122	250638	Samir Khedekar	Male	29	Production - PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
123	250611	Roshan Mangesh Sabale	Male	29	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	

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दि. २/४/२०२५ पासून दि. २/४/२०२९
वैद्यकीय प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

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STAFF

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
124	250613	Shivanand Baliram Jadhav	Male	30	Production - PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
125	250623	Narayan Atmaram Yadav	Male	26	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
126	250604	Anurag Ashok Vichare	Male	32	Production - PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
127	250612	Nikhil Pralhad Nehete	Male	31	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
128	250620	Vinay Yashwant Rothe	Male	35	Production - PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
129	250602	Rajesh Kumar Rai	Male	57	Production - Plasticizer	NA	NA			25-07-2025	FIT	NA	NA	NA	
130	250365	Mangesh Harishchandra Daravkar	Male	35	Production-Boiler	NA	NA			24-07-2025	FIT	NA	NA	NA	
131	250456	Sachin Vishnu Rathod	Male	31	Production-DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
132	250556	Ashok Nikam	Male	30	Production-DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
133	250568	Shubham Kamble	Male	28	Production-DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
134	250573	Vishal Kadam	Male	28	Production-DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
135	250575	Sateesh Zore	Male	29	Production-DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
136	250401	Rajendran G.	Male	50	Production-DEP	NA	NA			25-07-2025	FIT	NA	NA	NA	
137	250549	Rohit Raju Alande	Male	24	Production-DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
138	250587	Manmath Todkari	Male	27	Production-DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
139	250330	Amol Nagnath Ghodke	Male	37	Production-DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
140	250424	Sumit Jaiswal	Male	38	Production-DEP	NA	NA			24-07-2025	FIT	NA	NA	NA	
141	250412	Ajit Ashok Dadas	Male	32	Production-Environment	NA	NA			25-07-2025	FIT	NA	NA	NA	
142	250340	Dattatrey Murlidhar Mhatre	Male	45	Production-Environment	NA	NA			26-07-2025	FIT	NA	NA	NA	
143	250497	Ramesh Keshavrao Rayate	Male	39	Production-Environment	NA	NA			26-07-2025	FIT	NA	NA	NA	
144	250486	Sagar Tatyaba Surashe	Male	28	Production-MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
145	250488	Aditya Santosh Sawant	Male	29	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
146	250494	Paresh Ramdas Nadkar	Male	30	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
147	250526	Gopal Dhanraj Tandekar	Male	33	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
148	250540	Sagar Sutar	Male	27	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
149	250584	Atish Patil	Male	25	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
150	125123	Ananta L Banait	Male	40	Production-MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
151	125068	Vyankatesh M Kadam	Male	52	Production-MA	NA	NA			26-07-2025	FIT	NA	NA	NA	
152	250538	Siddharth Ashok Zamre	Male	27	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
153	250430	Giridhar Rajmane	Male	34	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	

S.Kachare

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दि. २/४/२०२५ पासून दि. २/४/२०३०
औद्योगिक शल्य चिकित्सक क्र. ACS 25-SK/105

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
154	125137	Shahir Tanaji Surybhan	Male	33	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
155	250327	Mangesh S Kalap	Male	35	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
156	125090	Santosh Govind Rane	Male	49	Production-MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
157	125103	Ganesh K. Patil	Male	43	Production-MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
158	250416	Suraj Shelake	Male	29	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
159	250433	Rahul Bhagat	Male	31	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
160	250455	Prasanna Sudam Patil	Male	33	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
161	250462	Akash Dharma Gaikwad	Male	32	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
162	250465	Sandeep Pralhad Wavdhane	Male	30	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
163	250500	Pavan Jawalge	Male	29	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
164	250502	Gaurav Prasad	Male	30	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
165	250505	Kalpesh Dinesh Patil	Male	29	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
166	250509	Shankar Govind Malusare	Male	30	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
167	250530	Abhishek Date	Male	28	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
168	250531	Kirankumar Balasaheb Awargand	Male	29	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
169	250541	Gopal Patkar	Male	29	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
170	250565	Akshay Utekar	Male	27	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
171	250566	Krishna Mugale	Male	29	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
172	250569	Shubham Katre	Male	27	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
173	250572	Yogesh Wadavane	Male	29	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
174	250574	Tejas Chavan	Male	28	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
175	250582	Mahesh Waghsare	Male	26	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
176	250593	Kunal Chandrkant Tetgure	Male	25	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
177	250595	Mayur Bharat Gaikwad	Male	26	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
178	250510	Sujit Vishnu Katkar	Male	26	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
179	250297	Nitesh Sharad Mahamuni	Male	35	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
180	250388	Jagdish Baburao Patil	Male	42	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
181	250301	Sagar Ambadas Pawar	Male	35	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
182	250592	Rahul Babu More	Male	34	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
183	250006	Hemant Shrikrishna Athalye	Male	58	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	

Kachare

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
184	250547	Jatin Ganesh Patil	Male	24	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
185	250555	Mohd Moavia	Male	24	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
186	250276	Rohidas Madhukar Jage	Male	54	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
188	250284	K M Chidanandappa	Male	58	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
189	250298	Patel Murarilal Ramayan	Male	38	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
190	250015	Subodh Vasant Kadam	Male	59	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
191	250281	Dornadula Ajay Kumar Reddy	Male	57	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
192	250457	Pratik Pramod Chandanshive	Male	29	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
193	250475	Mangesh Anant Vadekar	Male	34	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
194	250507	Kautuk Gangaram Durgoli	Male	29	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
195	250557	Sandip Jadhav	Male	29	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
196	250558	Onkar Mhatre	Male	28	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
197	250564	Swapnil Thakre	Male	32	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
198	250576	Pranav Pawar	Male	31	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
199	250580	Akshay Gedekar	Male	31	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
200	250599	Akshay Bhairu Mane	Male	32	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
201	250467	Nikhil Navneet Mapara	Male	31	Production-PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
202	250552	Akshay Hadge	Male	37	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
203	250230	Mohan Shankar Khati	Male	58	Production-PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
204	250283	Ashok Pulusu	Male	54	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
205	250408	Bhikamchand Mutha	Male	56	Production-PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
206	250594	Aniket Balgovind Vishwakarma	Male	28	Production-Technical services	NA	NA			25-07-2025	FIT	NA	NA	NA	
207	250343	Ganesh Balasaheb Kawade	Male	35	Production-Technical services	NA	NA			25-07-2025	FIT	NA	NA	NA	
208	250324	P Rajesh	Male	41	Production-Technical services	NA	NA			25-07-2025	FIT	NA	NA	NA	
209	250586	Swaraj Botkawar	Male	24	Production-Technical services	NA	NA			25-07-2025	FIT	NA	NA	NA	
210	250506	Suraj Suresh Patil	Male	35	Production-Technical services	NA	NA			25-07-2025	FIT	NA	NA	NA	
211	250610	Vivek Satish Tiwari	Male	35	Projects	NA	NA			26-07-2025	FIT	NA	NA	NA	
212	160004	Sudhir R Rane	Male	52	Purchase	NA	NA			24-07-2025	FIT	NA	NA	NA	
213	160015	Nikhil Sadashiv Pawar	Male	31	Purchase	NA	NA			25-07-2025	FIT	NA	NA	NA	
214	160001	Bilal Ahemad Shaikh	Male	57	Purchase	NA	NA			24-07-2025	FIT	NA	NA	NA	

S.V.Kachare

डॉ. शिवाजी वि. काचरे
M.B.B.S.DHA.AFIH (MUM)
कारखाने अधिनियम १९४८ च
कलम २० (२) प्रमाणे, रायगड जिल्हाधिकारी
दि. ३/४/२०२५ पासून दि. २/४/२०३०
प्रमाणक वैद्य चिकित्सक क्र. ACS 25 SKHAZA

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

STAFF

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
215	160008	Akhil S. Ingle	Male	50	Purchase	NA	NA			24-07-2025	FIT	NA	NA	NA	
216	170010	Kamalesh Pareek	Male	52	Raw Material	NA	NA			24-07-2025	FIT	NA	NA	NA	
217	170028	Vivek Gulabrao Thakur	Male	37	Raw Material	NA	NA			25-07-2025	FIT	NA	NA	NA	
218	170031	Sandip Das	Male	35	Raw Material	NA	NA			25-07-2025	FIT	NA	NA	NA	
219	ETA	Pradeep Sonabarao Salunkhe	Male	59	Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
221	ETA	Yogesh Bhimrao Sonawane	Male	38	ware house	NA	NA			26-07-2025	FIT	NA	NA	NA	
222	170016	Vasudev Sarda	Male	47	Ware House	NA	NA			25-07-2025	FIT	NA	NA	NA	
223	170030	Shekhar Vilas Keer	Male	36	Ware House	NA	NA			26-07-2025	FIT	NA	NA	NA	
224	170033	Sushil Raghunath Mohite	Male	35	Ware House	NA	NA			26-07-2025	FIT	NA	NA	NA	

Kachare

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाने, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
अधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	120006	Kaushil S. Bhatt	Male	60	Accounts	NA	NA			24-07-2025	FIT	NA	NA	NA	
2	110004	Pradnya P. Bhatkar	Female	56	Commercial	NA	NA			25-07-2025	FIT	NA	NA	NA	
3	110006	Meena Rajesh Shrivas	Female	57	Commercial	NA	NA			24-07-2025	FIT	NA	NA	NA	
4	260034	Vijaykumar Upadhayay	Male	60	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
5	220104	Dinesh Dharma Bhoir	Male	30	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
6	126022	Eknath P. Jale	Male	51	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
7	122002	Dilip S. Bhoir	Male	51	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
8	220004	Anil Verhomal Chandnani	Male	58	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
9	220005	Anil P. Patil	Male	59	Electrical	NA	NA			25-07-2025	FIT	NA	NA	NA	
10	220013	Sandeep A. Kabadi	Male	57	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
11	220114	Tejesh Eknath Dalvi	Male	26	Electrical	NA	NA			24-07-2025	FIT	NA	NA	NA	
12	260029	Ganesh A. Patil	Male	51	Engineering Stores	NA	NA			24-07-2025	FIT	NA	NA	NA	
13	CONTRACT	Roshan Ray	Male	23	Fire-Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
14	126007	Shripat R. Mhatre	Male	54	Instrument	NA	NA			26-07-2025	FIT	NA	NA	NA	
15	126014	Lahu S. Nighukar	Male	52	Instrument	NA	NA			25-07-2025	FIT	NA	NA	NA	
16	260028	Janu P. Patil	Male	53	Instrument	NA	NA			24-07-2025	FIT	NA	NA	NA	
17	126006	Vijay P. Patil	Male	54	Instrument	NA	NA			26-07-2025	FIT	NA	NA	NA	
18	260037	Rajesh R. Pradhan	Male	54	Instrument	NA	NA			24-07-2025	FIT	NA	NA	NA	
19	230135	Tanaji Kundlik Patil	Male	43	Instrument	NA	NA			25-07-2025	FIT	NA	NA	NA	
20	230137	Rajesh Hiraman Sangade	Male	33	Instrument	NA	NA			25-07-2025	FIT	NA	NA	NA	
21	230136	Sachin Chandrakant Bagul	Male	45	Instrument	NA	NA			26-07-2025	FIT	NA	NA	NA	
22	230143	Pranay Shravan Thakur	Male	30	Instrument	NA	NA			24-07-2025	FIT	NA	NA	NA	
23	230145	Kalpesh Sanjay Bhoir	Male	29	Instrument	NA	NA			24-07-2025	FIT	NA	NA	NA	
24	123005	Manohar S. Sonawane	Male	56	Instrument	NA	NA			26-07-2025	FIT	NA	NA	NA	
25	123008	Vidyadhar P. Joshi	Male	58	Instrument	NA	NA			24-07-2025	FIT	NA	NA	NA	
26	230013	Mahesh C. Bagul	Male	52	Instrument	NA	NA			24-07-2025	FIT	NA	NA	NA	
27	240010	Deepak B. Gurjar	Male	50	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
28	240015	Sameer S. Kane	Male	50	Laboratory	NA	NA			25-07-2025	FIT	NA	NA	NA	
29	240017	Laxman K. Doke	Male	51	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
30	240018	Vinayak V. Patil	Male	50	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
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कलम १० (२) अन्वये, रायगड जिल्हाकारीता
दि. ३/४/२०२५ पासून दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2022

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

UNION EMPLOYEE

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
31	126009	Kishor S. Madhavi	Male	53	Laboratory	NA	NA			26-07-2025	FIT	NA	NA	NA	
32	126013	Rajkishor M. Kapar	Male	50	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
33	126020	Dilip M. Patil	Male	55	Laboratory	NA	NA			26-07-2025	FIT	NA	NA	NA	
34	260024	Laxmikant Tiwari	Male	53	Laboratory	NA	NA			26-07-2025	FIT	NA	NA	NA	
35	260026	Jairam K. Sharma	Male	58	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
36	260031	Narayan R. Kadam	Male	56	Laboratory	NA	NA			26-07-2025	FIT	NA	NA	NA	
37	260050	Yogesh C. Desai	Male	49	Laboratory	NA	NA			25-07-2025	FIT	NA	NA	NA	
38	260051	Anandkumar Upadhyay	Male	51	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
39	240001	Prakash B. Ghangrekar	Male	59	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
40	240002	Shashikant G. Rupale	Male	55	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
41	240005	Sunil K. Shinde	Male	55	Laboratory	NA	NA			24-07-2025	FIT	NA	NA	NA	
42	240006	Ramakant C. Mhatre	Male	56	Laboratory	NA	NA			26-07-2025	FIT	NA	NA	NA	
43	260041	Ashok M. Nigukar	Male	55	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
44	260042	Prakash R. Patil	Male	53	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
45	210160	Jay Lahu Nighukar	Male	25	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
46	210162	Samir Sakharam Patil	Male	29	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
47	210167	Haresh Balaram Patil	Male	28	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
48	210168	Dipesh Balaram Patil	Male	25	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
49	126018	Santosh L. Patil	Male	55	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
50	260027	Sanjay D. Patil	Male	51	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
51	210009	Chandrakant K. Chavan	Male	60	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
52	210014	Arjunkumar Jha	Male	59	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
53	210015	Balkrishna M. Patil	Male	42	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
54	210018	Appa N. Vete	Male	60	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
55	210012	Manikant M. Dubey	Male	55	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
56	210035	Manojkumar Singh	Male	58	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
57	210040	Mangesh S. Manjale	Male	48	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
58	210041	Nareshkumar G. Lad	Male	55	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
59	210143	Sajan Shaniwar Hilal	Male	30	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
60	210144	Vikas Vishnu Patil	Male	35	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	

Kachare

डॉ. शिवाजी वि. कचरे
M.B.B.S.DHA.AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम ११ (२) प्रमाणे, रायगड जिल्हाधिकारी
दि. ३/४/२०२५ पासून दि. ३/४/२०३०
साठी प्रमाणक शल्य चिकित्सक क्र. ACS 25 of 2025

I G PETROCHEMICALS LTD.

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
61	210145	Sameer Mukund Mundhe	Male	31	Mechanical	NA	NA			25-07-2025	FIT	NA	NA	NA	
62	210147	Pravin Dhanaji Bhalekar	Male	34	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
63	210151	Sahil Arun Telange	Male	27	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
64	210154	Sagar Harishchandra Jadhav	Male	30	Mechanical	NA	NA			24-07-2025	FIT	NA	NA	NA	
65	210159	Chandrakant Balaram Sangade	Male	32	Mechanical	NA	NA			26-07-2025	FIT	NA	NA	NA	
67	125017	Hitendra M. Padalkar	Male	57	Production	NA	NA			25-07-2025	FIT	NA	NA	NA	
68	250046	Naresh B. Shelake	Male	58	Production -Boiler	NA	NA			25-07-2025	FIT	NA	NA	NA	
69	250051	Milind R. Pathare	Male	56	Production -Boiler	NA	NA			25-07-2025	FIT	NA	NA	NA	
70	250405	Umesh Pandurang Mhatre	Male	41	Production -Boiler	NA	NA			24-07-2025	FIT	NA	NA	NA	
71	250406	Vinayak Vishnu Bhoir	Male	42	Production -Boiler	NA	NA			26-07-2025	FIT	NA	NA	NA	
72	260047	Chandrakant H. Bhoir	Male	59	Production -MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
73	250519	Hitendra Sanjay Patil	Male	25	Production -MA	NA	NA			26-07-2025	FIT	NA	NA	NA	
74	250454	Diwakar Prasad	Male	30	Production -MA	NA	NA			24-07-2025	FIT	NA	NA	NA	
75	125049	Bharat D. Raskar	Male	55	Production -MA	NA	NA			26-07-2025	FIT	NA	NA	NA	
76	250072	Jeevan M. Mhatre	Male	55	Production -MA	NA	NA			26-07-2025	FIT	NA	NA	NA	
77	250085	Anil Kumar Ramsagar Tripathi	Male	54	Production -MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
78	250099	Prashant T. Mhatre	Male	50	Production -MA	NA	NA			26-07-2025	FIT	NA	NA	NA	
79	250101	Pramod R. Jadhav	Male	53	Production -MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
80	125023	Anil A. More	Male	57	Production -MA	NA	NA			25-07-2025	FIT	NA	NA	NA	
81	250520	Shailesh Dnyaneshwar Agalawe	Male	35	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
82	250414	Umesh Harishchandra Gondhali	Male	32	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
83	250452	Abhinish Pushpak Choudhari	Male	27	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
84	250474	Atul Bandu Dhonde	Male	25	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
85	250477	Shubham Sanjay Dalvi	Male	28	Production -PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
86	250088	Rishikesh J. Patil	Male	51	Production -PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
87	250019	Ashok S. Dhavale	Male	59	Production -PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
88	250027	Shripad M. Sonawane	Male	54	Production -PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
89	250029	Bhaskar S. Koparkar	Male	58	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
90	250030	Dnyaneshwar N. Naik	Male	58	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
91	250034	Vidhyadhar P. Kulkarni	Male	57	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	

Kachare

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M.B.B.S.DHA.AFIH (MUM)
कारखाने अधिनियम १९४८ अ
कारखाने अधिनियम १९४८ कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
नि. २/४/
प्रमाणित वैद्यकीय व्यवसायिक क्र. ACS 25-

I G PETROCHEMICALS LTD.

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DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

UNION EMPLOYEE

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(Health Register)

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
92	250039	Ashok V. Bagal	Male	55	Production -PA	NA	NA			26-07-2025	FIT	NA	NA	NA	
93	250040	Girish A. Chauhan	Male	56	Production -PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
94	250048	Sandesh V. Patil	Male	55	Production -PA	NA	NA			25-07-2025	FIT	NA	NA	NA	
95	250049	Hasuram B. Thakur	Male	56	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
96	250061	Manish S. Wayangankar	Male	52	Production -PA	NA	NA			24-07-2025	FIT	NA	NA	NA	
97	160002	Manish J. Sawant	Male	55	Purchase	NA	NA			25-07-2025	FIT	NA	NA	NA	
98	170003	Dolfi James Vaz	Male	55	Raw Material	NA	NA			26-07-2025	FIT	NA	NA	NA	
99	170029	Rushikesh Mohan Patil	Male	27	Raw Material	NA	NA			25-07-2025	FIT	NA	NA	NA	
100	PTA	Jay Munde	Male	23	Sharp Consultancy	NA	NA			25-07-2025	FIT	NA	NA	NA	
101	PTA	Hanmant Sonkamble	Male	22	Sharp Consultancy	NA	NA			25-07-2025	FIT	NA	NA	NA	
102	170021	Rushikesh Harishchandra Patil	Male	28	Ware House	NA	NA			26-07-2025	FIT	NA	NA	NA	
103	170022	Hasanain	Male	38	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
104	170024	Kanhaiya Vitthal Patil	Male	27	Ware House	NA	NA			26-07-2025	FIT	NA	NA	NA	
105	170025	Tushar Dilip Patil	Male	32	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
106	140005	Rajesh K. Patil	Male	54	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
107	120005	Pravin A. More	Male	58	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
108	170008	Tukaram M. Patil	Male	59	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
109	180003	Mahadeo G. Thorat	Male	56	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
110	111004	Abodh Sitaram Raut	Male	52	Ware House	NA	NA			24-07-2025	FIT	NA	NA	NA	
111	111006	Vasudeo B. Patil	Male	56	Ware House	NA	NA			26-07-2025	FIT	NA	NA	NA	
112	260035	Anandkumar V. Tiwari	Male	55	Ware House	NA	NA			26-07-2025	FIT	NA	NA	NA	
113	-	Satish	Male	24	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्ह्याकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

CONTRACT / MATHADI

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON
DR. SHIVAJI V. KACHARE
MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

M/S.J.P PATIL LOADING

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1 -		Lalaso Dorge	Male	40	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Sharad Khandekar	Male	26	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Sattu Ramchandra Mudhe	Male	32	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
4 -		Suryakant Madhukar Mane	Male	31	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
5 -		Shantilal K Galande	Male	37	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
6 -		Rajaram Bangar	Male	48	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
7 -		Balbhim Solankar	Male	46	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
8 -		Rajkumar B.Jarag	Male	32	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
9 -		Ajay Jagannath	Male	21	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
10 -		Ashok Chougule	Male	47	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
11 -		Kiran Anna Bandgar	Male	26	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
12 -		Bapurao M. Dorge	Male	51	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
13 -		Rajnish Vijay Navsare	Male	26	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
14 -		Yogesh M Sarvade	Male	26	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
15 -		Karan Appaso Dorage	Male	22	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
16 -		Navnath Thite	Male	21	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
17 -		Dattatray S. Satpute	Male	31	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
18 -		Amol M Agalave	Male	23	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
19 -		Ganesh Virkar	Male	21	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
20 -		Sachin Bapurao Ghule	Male	26	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
21 -		Bapu Dada Nitve	Male	45	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
22 -		Balkrishna M Dorge	Male	45	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
23 -		Yogesh Mote	Male	23	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
24 -		Sanjay Matkari	Male	42	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
25 -		Dadasaheb Mahadev Kale	Male	31	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
26 -		Teyappa Tanaji Kadam	Male	56	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
27 -		Akshay Awale	Male	22	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
28 -		Akash Namdeo Solankar	Male	27	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
29 -		Prashant Vaman Dorge	Male	26	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
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कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासून दि. ३/४/२०२८
नोंदणी क्रमांक राज्य विशिष्ट क्र. ACS 25-SK2

I G PETROCHEMICALS LTD. FORM NO. 7 CERTIFYING SURGEON

{ See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114} DR. SHIVAJI V. KACHARE

BOPARIAS MARTIAL SECURITY From: { 24-07-2025 To 23-07-2026 } (Health Register) MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

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1	2	3	4	5	6		7	8	9	10	11		12	13	14	15
1 -		Abhishek Singh	Male	40	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Adhik Kumar Yadav	Male	35	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Sonu Kumar - A	Male	31	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
4 -		Somesh Mishra	Male	34	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
5 -		Ashok Sakpal	Male	51	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
6 -		Ajay Vishwakarma	Male	30	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
7 -		Mangal Yadav	Male	26	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
8 -		Vikas Dubey	Male	30	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
9 -		Kantilal Gochare	Male	30	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
10 -		Ramesh Singh	Male	30	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
11 -		Rajesh Dubey	Male	25	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
12 -		Sushil Barua	Male	27	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
13 -		Pramod Khandare	Male	39	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
14 -		Krishnakant Jha	Male	48	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
15 -		Rajesh Patel	Male	49	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
16 -		Pawan Singh	Male	30	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
17 -		Mohan Jha	Male	42	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
18 -		Dashrath Pandey	Male	40	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
19 -		Pramod Kumar	Male	31	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
20 -		Babaso Namdeo Gurav	Male	52	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
21 -		Manas Haldar	Male	52	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
22 -		Prasad Ambre	Male	34	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
23 -		Vikash Singh	Male	28	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
24 -		Sonu Kumar - B	Male	30	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
25 -		Amit Gupta	Male	25	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
26 -		Jitendra Malik	Male	46	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
27 -		Dhirendra Singh	Male	43	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
28 -		Jyotish Dubey	Male	33	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
29 -		Laxmi Sondhiya	Male	44	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	
30 -		Badu Rathod	Male	33	Security		NA	NA			24-07-2025	FIT	NA	NA	NA	

Gochare

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कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासून दि. २/४/२०३०
नोंदणी प्रमाणक शल्य चिकित्सक क्र. ACS 25 SK/2005

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

BOPARIAS MARTIAL SECURITY

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
31 -		Om Prakash Shirsat	Male	52	Security	NA	NA			24-07-2025	FIT	NA	NA	NA	
32 -		Prakash Patil	Male	48	Security	NA	NA			24-07-2025	FIT	NA	NA	NA	
33 -		Krishna Ram	Male	43	Security	NA	NA			24-07-2025	FIT	NA	NA	NA	
34 -		Anant Tiwari	Male	31	Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
35 -		Prashant Chutia	Male	33	Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
36 -		Surendra Kumar	Male	36	Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
37 -		Dhruba Dheka	Male	35	Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
38 -		Sunil Rakhmaji Parte	Male	55	Security	NA	NA			26-07-2025	FIT	NA	NA	NA	
39 -		Sandeep Kumar	Male	32	Security	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
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दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD. FORM NO. 7 CERTIFYING SURGEON

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114) DR. SHIVAJI V. KACHARE

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	-	Lahu Patil	Male	55	CIVIL -Housekeeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
2	-	Swapnil Patil	Male	26	D G OPERATOR	NA	NA			25-07-2025	FIT	NA	NA	NA	
3	-	Avinash Patil	Male	40	D G OPERATOR	NA	NA			25-07-2025	FIT	NA	NA	NA	
4	-	Omkar Bhoir	Male	31	D G OPERATOR	NA	NA			26-07-2025	FIT	NA	NA	NA	
5	-	Bhimrao Khot	Male	58	D G OPERATOR	NA	NA			26-07-2025	FIT	NA	NA	NA	
6	-	Krishna Dhumal	Male	42	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
7	-	Balaram C. Patil	Male	59	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
8	-	Arun Patil	Male	51	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
9	-	Balaram D. Madhavi	Male	53	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
10	-	Ramesh K. Patil	Male	51	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
11	-	Ramesh Nighukar	Male	50	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
12	-	Vasant Patil	Male	57	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
13	-	Ganesh Kadam	Male	39	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
14	-	Balaram J Patil	Male	55	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
15	-	Rohidas Patil	Male	56	Hoose-keeping	NA	NA			25-07-2025	FIT	NA	NA	NA	
16	-	Vishwanath Patil	Male	45	Hoose-keeping	NA	NA			26-07-2025	FIT	NA	NA	NA	
17	-	Ramchandra A Patil	Male	56	Hoose-keeping	NA	NA			26-07-2025	FIT	NA	NA	NA	
18	-	Devanand Kathe	Male	32	Hoose-keeping	NA	NA			26-07-2025	FIT	NA	NA	NA	
19	-	Babaji Kathe	Male	45	Hoose-keeping	NA	NA			26-07-2025	FIT	NA	NA	NA	
20	-	Karamchand Singh	Male	56	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
21	-	Ananta Mokal	Male	55	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
22	-	Ramesh Mokal	Male	49	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
23	-	Ram Parvesh Singh	Male	54	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
24	-	Sarvesh Singh	Male	35	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
25	-	Vicky Patil	Male	23	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
26	-	Baburao Mali	Male	54	Insulations	NA	NA			25-07-2025	FIT	NA	NA	NA	
27	-	Baburao Kathe	Male	43	PAC	NA	NA			25-07-2025	FIT	NA	NA	NA	
28	-	Nilesh Gondhali	Male	39	PAC	NA	NA			25-07-2025	FIT	NA	NA	NA	
29	-	Gurunath Patil	Male	48	PAC	NA	NA			25-07-2025	FIT	NA	NA	NA	
30	-	Santosh Patil	Male	43	PAC	NA	NA			25-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
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दि. ३/४/२०२५ पासून दि. २/४/२०२८
प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD. FORM NO. 7 CERTIFYING SURGEON

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114) DR. SHIVAJI V. KACHARE

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
31 -		Ramesh Phadke	Male	31	Stores	NA	NA			25-07-2025	FIT	NA	NA	NA	
32 -		Sagar Kathe	Male	37	Stores	NA	NA			25-07-2025	FIT	NA	NA	NA	
33 -		Pralhad Raje	Male	45	Stores	NA	NA			25-07-2025	FIT	NA	NA	NA	
34 -		Sachin Khandekar	Male	30	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
35 -		Shekhar S Gawade	Male	27	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
36 -		Rohan Kaka Salunke	Male	29	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
37 -		Dilip Burungale	Male	36	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
38 -		Tanaji Solankar	Male	27	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
39 -		Balasaheb Singade	Male	35	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
40 -		Raju C. Patil	Male	37	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
41 -		Surakant Gawade	Male	60	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
42 -		Tukaram Kolekar	Male	46	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
43 -		Akashay N Dhere	Male	24	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
44 -		Akshay Virkar	Male	21	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
45 -		Abhijeet Kharat	Male	21	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
46 -		Rohan Thombare	Male	21	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
47 -		Suhash Kale	Male	26	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
48 -		Rama Narayan Balkar	Male	55	H.K.	NA	NA			24-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्ह्याकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
अधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 26-SK/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

Mathadi

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1 -		Balkrishna Patil	Male	57	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Mohan Kisan Bangar	Male	47	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Dhanaji Vitoba Anuse	Male	32	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
4 -		Dattatray Sandipan Mote	Male	29	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
5 -		Appa Mohan Mudhe	Male	32	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
6 -		Rutik Dattatrey Patil	Male	23	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
7 -		Lalasoo Shamrao Jadhave	Male	48	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
8 -		Sandeep Amrut Gaikwad	Male	44	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
9 -		Laxman Kisan Belose	Male	42	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
10 -		Anada Balu Dhere	Male	37	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
11 -		Sushil Umaji Avte	Male	51	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
12 -		Sandesh P. Bhagat	Male	41	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
13 -		Sagar Tukaram Kolekar	Male	23	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
14 -		Santosh Mukunda Karande	Male	42	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
15 -		Santosh Baba Mote	Male	36	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
16 -		Subhash Dagadu Virkar	Male	39	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
17 -		Deepak Kondiba Shelar	Male	53	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
18 -		Satish Popat Dorge	Male	32	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
19 -		Dadasaheb S. Hake	Male	27	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
20 -		Vishnu Dinkar Chopade	Male	33	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
21 -		Nitin Tukaram Mudhe	Male	34	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
22 -		Somnath Prakash Shinde	Male	43	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
23 -		Pramod Sadashiv Kale	Male	34	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
24 -		Vishnu Ingle	Male	54	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
25 -		Amol Pandurang Veerkar	Male	30	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
26 -		Samadhan Patil	Male	30	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
27 -		Beerappa Laxman Mane	Male	32	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
28 -		Sanjay Patil	Male	45	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
29 -		Arjun Dada Kharat	Male	36	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
30 -		Hanumant Sampat Kedar	Male	48	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्ह्याकरिता
नोंदणी क्र. ४/२०२५ फाल्गुन दि. २/४/२०२५
वैद्यकीय प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

Mathadi

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
31 -		Nikhil Nitin Mhatre	Male	27	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
32 -		Shakti Mahadeo Jadhav	Male	36	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
33 -		Manohar Sukhdev Wakshe	Male	48	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
34 -		Sunil Sahebrao Satpute	Male	36	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
35 -		Dattatray Gangaram Pisal	Male	40	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
36 -		Rohit Namdeo Thombre	Male	25	Warehouse	NA	NA			24-07-2025	FIT	NA	NA	NA	
37 -		Ishwar Mahadeo Anuse	Male	44	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
38 -		Shivnath Patil	Male	45	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
39 -		Amir Gondhali	Male	34	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
40 -		Suryakant Jalinder Khatal	Male	38	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
41 -		Vilas Sakharam Pukale	Male	30	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
42 -		Sachin J. Khandekar	Male	34	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
43 -		Sunil Dada Bangar	Male	29	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
44 -		Gajanan Humne	Male	49	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
45 -		Vijaykumar Masku Shingade	Male	46	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
46 -		Sanjay S, Maharnoor	Male	28	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
47 -		Shivaji Mane	Male	32	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
48 -		Deepak Agatrao Misaal	Male	32	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
49 -		Shivaji V. Bangar	Male	32	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
50 -		Kiran Appaso Dorge	Male	23	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
51 -		Dattatrey Shrikant Shdege	Male	34	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
52 -		Sourab Dashrat Kadam	Male	24	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
53 -		Nagesh Vilas Zimal	Male	25	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
54 -		Amrut Abaji Goykar	Male	29	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
55 -		Tanaji Shendre	Male	47	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
56 -		Mangal Ray	Male	55	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
57 -		Kailash Patil	Male	51	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
58 -		Santosh Bhopi	Male	42	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
59 -		Vinod Malusare	Male	55	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
60 -		Ketan R Patil	Male	20	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	

Kachare

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासून दि. २/४/२०२७
अधिकृत प्रमाणक शल्य चिकित्सक क्र. AC3 ता-PK2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

Mathadi

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
61 -		Shailesh Mohanrao Dhumal	Male	43	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
62 -		Amol Dattaram Vaghe	Male	30	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
63 -		Lokesh S Dhakane	Male	30	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
64 -		Keshav N. Patil	Male	48	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

LIFE LINE HOSPITAL

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1 -		Tulsiram Mourya	Male	35	Mail Nurse	NA	NA			25-07-2025	FIT	NA	NA	NA	
2 -		Dineshkumar Gupta	Male	28	Mail Nurse	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S.DHA.AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक ID. ACS 25-SK2025

I G PETROCHEMICALS LTD.

FORM NO. 7

CERTIFYING SURGEON

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

DR. SHIVAJI V. KACHARE

NAVJYOT ENTERPRISES PRIVATE LIMITED

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons Certified fit to resume duty on with signature of [illegible] unfitness or suspention issued		Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1 -		Pradeep Patle	Male	24	Fire-Security	NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Gautam Garud	Male	28	Fire-Security	NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Suraj Mhatre	Male	34	Fire-Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
4 -		Shubham Kadam	Male	25	Fire-Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
5 -		Pradeep Desale	Male	25	Fire-Security	NA	NA			25-07-2025	FIT	NA	NA	NA	
6 -		Vishal Garud	Male	23	Fire-Security	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासून दि. २/४/२०२७
प्रमाणित प्रमाणक शल्य चिकित्सक क्र. ACS 25-SW/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

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CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

PRITAM TRAVEL

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	-	Amit Chandanshive	Male	21	Ambulance Driver	NA	NA			25-07-2025	FIT	NA	NA	NA	
2	-	Pralhad Yadav	Male	40	Jeep Driver	NA	NA			25-07-2025	FIT	NA	NA	NA	
3	-	Sahdev Ray	Male	39	Jeep Driver	NA	NA			25-07-2025	FIT	NA	NA	NA	
4	-	Ravi Gaikwad	Male	27	Jeep Driver	NA	NA			26-07-2025	FIT	NA	NA	NA	
5	-	Ravindra Patil	Male	33	Jeep Driver	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. ३/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-26/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

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CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

S.M. PATIL

From: (24-07-2025 To 23-07-2026)

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1 -		Sunil Raskar	Male	35	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
2 -		Kanaiya Raut	Male	42	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	

Kachare

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, एरंडवणे जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SW2026

I G PETROCHEMICALS LTD.

FORM NO. 7

CERTIFYING SURGEON

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DR. SHIVAJI V. KACHARE

SAI SHARADDHA HOSPITALITY SERVICES

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth-day)	Dept.of employement of present work		Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6		7	8	9	10	11		12	13	14	15
1 -		Sudardhan Mahato	Male	50	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Bidyadhar Palai	Male	25	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Bharat Das	Male	39	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
4 -		Puspendra Kushwaha	Male	20	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
5 -		Surenddra Naik	Male	52	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
6 -		Bhaktikant Behera	Male	18	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
7 -		Suraj Kushwaha	Male	19	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
8 -		Sanjay Kushwaha	Male	19	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
9 -		Ajay Harijan	Male	25	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
10 -		Rajjeev Kumar	Male	28	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
11 -		Dhananjay Prajapatil	Male	23	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S.DHA.AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम २० (२) प्रमाणे, रायगड जिल्ह्याकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SKV2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

SHIVANI ENTERPRISES

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept.of employement of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	-	Shyam Thakur	Male	50	Warehouse	NA	NA			25-07-2025	FIT	NA	NA	NA	
2	-	Sunil Raje	Male	39	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
3	-	Sanjay Rai	Male	32	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
4	-	Ramkewal Singh	Male	40	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	
5	-	Arun Mhato	Male	48	Warehouse	NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
M.B.B.S,DHA,AFIH (MUM)
कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
दि. ३/४/२०२५ पासुन दि. २/४/२०२७
प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

UDAYA CATERERS

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept.of employement of present work		Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6		7	8	9	10	11		12	13	14	15
1 -		Balaram Jena	Male	38	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Pralhad	Male	21	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Sushant	Male	31	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
4 -		Sanjay Mohanti	Male	29	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
5 -		Vishwajit Singh	Male	21	Canteen		NA	NA			24-07-2025	FIT	NA	NA	NA	
6 -		Deelip Sah	Male	48	Canteen		NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
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कारखाने अधिनियम १९४८ च्या
कलम १० (२) प्रमाने, रायगड जिल्हाकरिता
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प्राधिकृत प्रमाणक शल्य चिकित्सक क्र. ACS 25-SK/2025

I G PETROCHEMICALS LTD.

FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON

DR. SHIVAJI V. KACHARE

MBBS. AFIH.(MUMBAI) DHA.PGD. EMS.

AQUA-CHEM ENVIRO-ETP

From: { 24-07-2025 To 23-07-2026 }

(Health Register)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept.of employement of present work		Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	unfitness or suspention issued	Signature with Date of Certifying Surgeon
1	2	3	4	5		6	7	8	9	10	11		12	13	14	15
1 -		Kiran Gondhali	Male	29	Etp		NA	NA			24-07-2025	FIT	NA	NA	NA	
2 -		Bholenath Aadhe	Male	24	Etp		NA	NA			24-07-2025	FIT	NA	NA	NA	
3 -		Rupesh Salunkhe	Male	24	Etp		NA	NA			24-07-2025	FIT	NA	NA	NA	
4 -		Appaso Mohite	Male	31	Etp		NA	NA			25-07-2025	FIT	NA	NA	NA	
5 -		Kishor Bhawal	Male	29	Etp		NA	NA			25-07-2025	FIT	NA	NA	NA	
6 -		Sudhardhan Mhatre	Male	28	Etp		NA	NA			25-07-2025	FIT	NA	NA	NA	
7 -		Chetan Maruti Raje	Male	26	Etp		NA	NA			25-07-2025	FIT	NA	NA	NA	
8 -		Mayur Pawar	Male	34	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
9 -		Vickesh Patil	Male	32	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
10 -		Pratik Mehetkar	Male	24	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
11 -		Ganesh Patil	Male	27	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
12 -		Nikhilesh Nighukar	Male	27	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
13 -		Nitin Patil	Male	35	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
14 -		Prashant Daravkar	Male	29	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	
15 -		Avinash Prakash Pawar	Male	26	Etp		NA	NA			26-07-2025	FIT	NA	NA	NA	

डॉ. शिवाजी वि. कचरे
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कलम १० (२) प्रमाणे, रायगड जिल्हाकरिता
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ANNEXURE – IX

Budget For Environment Monitoring and Pollution Control		
SR. NO.	HEADS	AMOUNT (Rs IN LACS)
1	Chemicals for ETP, RO & MEE plant operation	49.51
2	ETP Operation & Maintenance	46.47
3	Environmental monitoring	9.15
4	Hazardous waste disposal	95.15
5	AMC for OCEMS & ETP on line analyzers	5.37
	TOTAL	205.65

ANNEXURE-X

THE FREE PRESS JOURNAL ■ Mumbai ■ Saturday June 30, 2007

PUBLIC ANNOUNCEMENT

The proposed debottlenecking and resultant expansion of manufacturing capacity at I. G. Petrochemicals Ltd's plant at T 2, MIDC Taloja 410208, Dist. Raigad, has been accorded environmental clearance by The Ministry of Environment & Forests, Govt. of India. Copies of the clearance are available with Maharashtra Pollution Control Board and on ministry web site http://envfor.nic.in

जनशक्ति, मुंबई, शनिवार ३० जून २००७

जाहीर सूचना

भारत सरकारच्या वन व पर्यावरण मंत्रालयाने आय.जी. पेट्रोकेमिकल्स लि. टी - २, एम. आय. डी. सी. तळोजा - ४१०२०८ जि. रायगड येथील कारखान्याच्या नियोजित यंत्रसुधारणा व त्यामुळे होणाऱ्या उत्पादन वाढीस मान्यता दिली आहे. मान्यतापत्र महाराष्ट्र प्रदूषण नियंत्रण मंडळ व वन / पर्यावरण मंत्रालयाची वेबसाईट http://envfor.nic.in येथे उपलब्ध आहे.

PUBLIC ANNOUNCEMENT

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

I G Petrochemicals Ltd.
Authorized Signatory

जाहीर नोटीस

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

आय.जी.पेट्रोकेमिकलस लि.
अधिकृत सहीधारक

ANNEXURE – XI

EFFLUENT TREATMENT PLANT OVERVIEW

1. **Description:**

1.1 Primary Treatment

In the Primary Treatment Section the process effluent will be first passed through an Oil & Grease separation tank. After correction of pH with HCl, the neutralised Process effluent will be further coagulated with Ferrous Sulphate and neutralised with Hydrated Lime. After flocculation with a Polyelectrolyte the effluent will be clarified in a Primary Clarifier and will be collected in Trickling Filter Feed Sump for further secondary treatment.

1.2 Secondary Treatment

The clarified effluent from the Trickling Filter Feed sump will be pumped to the Trickling Filter as biodegradation polishing treatment. The anaerobically anoxically biodegraded effluent will be passed through a clarifier to separate the biomass and clarified effluent will be fed to the aerobic biodegradation treatment from where the effluent with biomass will be clarified of biomass in a secondary clarifier.

The domestic effluent generated on the premises will be transferred to the aeration tank for biodegradation as well as a source of biomass and nutrients.

1.3 Tertiary Treatment

The clarified effluent from the secondary clarifier will be treated though a Pressure Sand Filter and an Activated Carbon Adsorber. The treated effluent will then be collected in the final treated effluent collection sump for discharge to MIDC sewer for further treatment at Taloja CETP as a Phase I activity.

The Phase II activity will comprise of further treating the ETP Treated Effluent by 2 stage Reverse Osmosis System. The Permeate generated will be recycled and reused in the process plant for suitable activity while the Reject generated will be evaporated to separate the salt which will be landfilled at the authorised Secured Landfill site.

1.4 Reverse Osmosis Systems

The treated effluent from ETP and the utility effluent from CT and DM will be combined Upgradation of ETP including Phase II for proposed PA – IV & Plasticizer together and fed to Ultra Filtration (UF) and Reverse Osmosis (RO) system. There will be 2 parallel equal streams for UF/RO for operational flexibility. It is envisaged that 2 stage Reverse

Osmosis systems complete with all peripherals will be required for maximum recovery of reusable permeate. The permeate will be recycled and reused depending upon the quality of permeate and suitability of reuse in the process.

The Reject from both the RO Systems will be evaporated in the Multi Effect Evaporator and the salt separated will be sent for Secured Landfill. The Condensate will be treated in the ETP.

1.5 Multi Effect Evaporator

A multiple effect evaporator will be provided to treat RO Rejects as well as to separate salt from the MA Plant Caustic Neutralised effluent and Heater Scrubber neutralized effluent. The condensate will require further treatment and will therefore be treated in the ETP. The evaporator will be followed by agitated thin film dryer to ensure conversion of the slurry to almost dry solids. The salt thus separated will be disposed off to secured landfill.

1.6 Sludge Handling

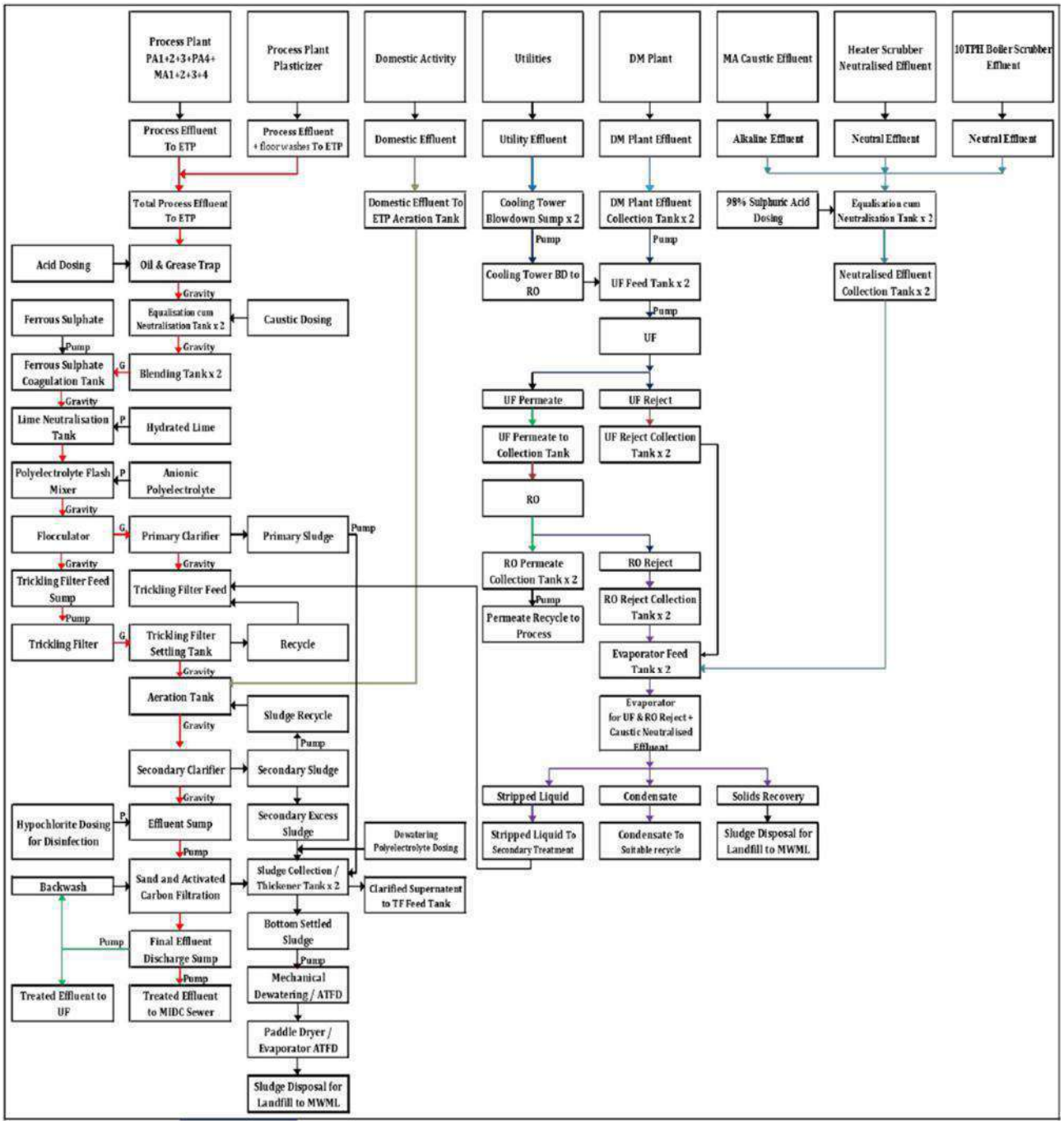
Centrifuge and Filter Press systems are provided for sludge handling. Sludge is collected in bags and filtrate has taken to treatment again in ETP system. Sludge is disposed to sludge disposal site CHWTSDF, Taloja.

Details of various units provided in ETP are as below:

Sr. No	Name of Unit	Size m x m x m	Nos	Total Liquid Volume/ Plan Area	MOC
1	Oil and grease removal	10 x 1.5 x 3	1	45	RCC with epoxy
2	Equalization Tank For Process	6.5 x 5 x 3	2	195	
3	Equalization Tank For DM	6.5 x 5 x 3	2	195	
4	CT Blowdown Sump	8x 5 x 3	2	240	
5	Equalization Tank For MA Caustic Neutralized Effluent &Heater Scrubber Neutralized Effluent	6 x 3 x 2	2	72	RCC with Epoxy
6	Blending tank	6 x 6 x 3	2	216	RCC with Epoxy
7	RO feed tank	9 x 9 x 3	4	972	RCC with Epoxy
8	Evaporator feed tank	6 x 6 x 2.5	2	180	RCC with Epoxy
9	Ferrous Sulphate Coagulation Tank	1 x 1 x 1	1	1	RCC with Epoxy
10	Lime Neutralization Tank	1.5 x 1.5 x 1.5	1	2.25	RCC with Epoxy
11	Polyelectrolyte Flash Mixer	0.5 x 0.5x 0.5	1	0.13	PP/HDPE
12	Flocculator	1.25 dia x 1.5	1	1.8	MS EP
13	Primary Clarifier	3 dia x 2.5	1	17.7	RCC
14	Trickling Filter Feed Tank	7 x 7 x 3	1	147	RCC
15	Trickling filter	10 dia x 5	1	393	RCC
16	Trickling Filter Settling Tank	4x 4 x 3	1	48	RCC
17	Aeration Tank	10 x 10 x 4.5	1	450	RCC
18	Secondary Clarifier	6 dia x 3	1	85	RCC
19	Sludge collection tank	2.6 dia x 3	2	32	RCC
20	Treated Effluent PSF feed sump	5 x 5 x 2.5	1	63	RCC
21	Hypochlorite disinfection tank	2 dia x 2	1	6	RCC with epoxy/tiling

22	Final treated effluent sump (UF Feed)	10 x 10 x 3	1	300	RCC covered tank
23	UF Permeate (RO 1 feed)				RCC covered tank
24	RO Permeate tank	8 x 8 x 3	4	768	RCC covered tank
25	RO Reject Stage 2	5 x 4 x 3	2	120	RCC covered with lining /tiling
26	Evaporator plan area	25 x 7.5	1	187.5	

ETP FLOW DIAGRAM



ANNEXURE XII

M/s - I G Petrochemicals Ltd
Address – Plot Nos. T-1, T-2, T-2/1, V-11, V-12, V-13, V-14 & V-45 Taloja Industrial Area, MIDC, Taloja, Tal. Panvel, Dist. Raigad - 410208.
Date of update of Display: 01/10/2025
Consent Order No: Format1.0/CAC/UAN No.MPCBCONSENT_AMMENDMENT-000013771/CO/2505000359, VALID UPTO 31/08/2026.
Operational Status: Operational

Production Details	
Products Manufactured	Quantity MT/A
Phthalic Anhydride	275110
Maleic Anhydride	9110
Di Ethyl/Methyl Phthalate	12600
Benzoic Acid	2000

Hazardous chemicals		
Hazardous Chemicals	Quantity MT	Purpose
Ortho Xylene	11670	Raw Material
Diesel	50	Fuel
LSHS	235	Fuel
Caustic Lye	35	Treatment Chemical

Hazardous chemicals		
Hazardous Chemicals	Quantity MT	Purpose
HCL	40	Treatment Chemical
Sulfuric Acid	20	Raw Material
Alcohol	420	Raw Material

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
1.2 - Still bottom from distillation process	565.32 MT/M	10.43 MT	0 MT	Used as fuel in oil heater/ Thermal oxidizer
1.4 – Organic Residue	153.33 MT/A	0 MT	81.97 MT	Pre-processing

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
1.6- Spent Catalyst and molecular sieves	8.33 MT/M	0.0 MT	23.55 MT	CHWTSDF
5.1- Used or Spent oil	4.58 MT/M	0 KL	3.04 KL	Sale to authorized party

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
33.1 Empty barrels/ Containers/ Liners	154 No/M	07 Nos	82 Nos	Sale to authorized party/ CHWTSDF
35.3 – Chemical sludge from Waste water treatment.	1.83 MT/M	0 MT	3.42 MT	Pre-processing

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
37.2 – Ash from incinerator and flue gas cleaning residue	1.22 MT/M	0 MT	1.22 MT	Sent to CHWTSDF
37.3- Concentration or evaporation residue	266.67 MT/M	2.12 MT	404.24 MT	Sent to CHWTSDF

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
36.2 Spent carbon or filter medium	8.23 MT/M	1.20 MT	20.39 MT	Pre-processing
15.2- Discarded asbestos	3.6 MT/M	0 MT	0 MT	Send to CHWTSDF

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
By- product Sodium Sulphate	75 MT/M	0 MT	46.72 MT	Sale to authorized party/ CHWTSDF
By-product Phthalic Acid	66.67 MT/M	0 MT	114.09 MT	Pre-processing

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
By- product Mono ester salts	250 MT/M	0 MT	0 MT	Sale to authorized party/ CHWTSDF
37.1- Sludge from wet scrubber	0.63 MT/M	0 MT	0 MT	Pre-processing

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
33.1- Discarded bags used for hazardous chemicals	0.21 MT/M	0 MT	0.08 MT	Pre-processing
35.2- Spent ion exchange resins containing toxic metals	7500 Ltr./A	0 MT	0 MT	Pre-processing

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
33.2 Contaminated cotton rags or other cleaning materials	0.5 MT/M	0 MT	0 MT	Pre-processing
IT/Telecom, Electrical, Electronic Waste	600 Kg/M	0 MT	0 MT	Sale to authorized E waste handler/ Recycler

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
Battery waste	200 Nos/Y	0 Nos	0 Nos	Sent back to manufacture
Plastic waste	500 Kg/M	0 MT	0 MT	Sale to authorized party/ Recycler

Hazardous Waste				
HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
BMW - Yellow	10 Kg/M	0 Kg	0.280 Kg	CBMWTSDF
BMW - White	2.0 Kg/M	0 Kg	0 Kg	CBMWTSDF
BMW - Blue	12.0 Kg/M	0 Kg	0 Kg	CBMWTSDF

Air Emission		
Source	Fuel	APCD
Scrubber	Not Applicable	Wet Scrubbers
Boiler	LSHS	Stack designed for sufficient dispersion
Hot Oil Heaters	LSHS + Distillation Residue	Wet Scrubbers

Air Emission		
Source	Fuel	APCD
DG Set 2000/2500 KVA	Diesel	Stack designed for sufficient dispersion
De-dusting units	Not Applicable	Bag Filters
MA Bagging	Not Applicable	Scrubber

Air Emission		
Source	Fuel	APCD
MA Flaker	Not Applicable	Wet Scrubber
* OCEMS connectivity details (Date of installations & operations status) - 23/03/2017;Operational		

Air Emission		
Source	Stack Ht in mtr	Parameters
Scrubber	50 mtr. each	NO, PM SO2, TOC
Boiler	55 mtr.	CO, NO. PM , SO2
Hot Oil Heaters	31 mtr. each	CO, NO , PM SO2

Air Emission		
Source	Stack Ht in mtr	Parameters
DG Set 2000 KVA	15 & 30	CO, NO, PM , SO2
De-dusting units	12 & 15	PM, TOC
MA Bagging	30	TPM, TOC

Air Emission		
Source	Stack Ht in mtr	Parameters
MA Flaker	30	TPM, TOC
* OCEMS connectivity details (Date of installations & operations status) - 23/03/2017;Operational		

Air Emission		
Source	Limits	Monitored Data
Hot Oil Heater-I	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO-3.28, NO-14.23, PM-61.6, SO2-19.35 mg/Nm3
Hot Oil Heater-II	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO- 16.71, NO-130.98, PM-3, SO2-108.75 mg/Nm3
Hot Oil Heater-IV	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO- 3.21, NO-4.78, PM-2.76, SO2-23.51 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
Hot Oil Heater-V	CO -150, NO - 350, PM - 50, SO2 - 850 mg/Nm3	CO- , NO- , PM- , SO2- mg/Nm3
Scrubber – PA - I	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO- 0, PM-18.58, SO2-0, TOC- 3.08 mg /Nm3
Scrubber – PA - II	NO-450, PM-100, SO2-1700, TOC-150 mg /Nm3	NO- 28.33, PM-38.22, SO2-46.73, TOC- 42.03 mg /Nm3

Air Emission		
Source	Limits	Monitored Data
Scrubber – PA - III	NO-450, PM-100, SO2-1700, TOC-150 mg /Nm3	NO- 11.92, PM-24.49 , SO2-0.22, TOC-13.33 mg /Nm3
Scrubber – PA - IV	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO- 0, PM-4.77, SO2-12.23, TOC-9.44 mg /Nm3
Scrubber – PA - V	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO- , PM- , SO2- , TOC- mg /Nm3

Air Emission		
Source	Limits	Monitored Data
Boiler	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO –9.56, NO –8.21, PM–12.32, SO2 –20.75 mg/Nm3
DG Set 2000 KVA	CO – 150, NO - 710 , PM - 150, SO2 - 1700 mg/Nm3	CO – NA , NO – 0 , PM – 2.77, SO2 – 0 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
De-dusting – I	PM – 150, TOC – 150 mg/Nm3	PM – 30.73, TOC – 9.05 mg/Nm3
De-dusting – II	PM – 150, TOC – 150 mg/Nm3	PM – 33.68, TOC -10.82 mg/Nm3
De-dusting – III	PM – 150, TOC – 150 mg/Nm3	PM – 4.38 TOC – 1.43 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
De-dusting – IV	PM – 150, TOC – 150 mg/Nm3	PM – 6.45 TOC – 5.05 mg/Nm3
De-dusting – V	PM – 50, TOC – 150 mg/Nm3	PM –28.13 TOC – 1.24 mg/Nm3
MA Bagging	PM – 150, TOC – 150 mg/Nm3	PM – 6.02 TOC – 10.82 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
MA Flaker	PM – 150, TOC – 150 mg/Nm3	PM – 7.38, TOC – 2.67 mg/Nm3
* OCEMS connectivity details (Date of installations & operations status) - 23/03/2017;Operational		

Effluent Discharge		
Source of Effluent	Discharge With Quantity	Treatment Method
Industrial Effluent - 851 cum/day	Through MIDC Sewer To CETP 59.04 cum/day	ETP / Reverse Osmosis / Multiple Effect Evaporator - 675 m3/day

Effluent Discharge		
Source of Effluent	Discharge With Quantity	Treatment Method
Domestic Effluent - 44 cum/day	Trough MIDC Sewer To CETP	Septic Tank & Soak Pit
* OCEMS connectivity details (Date of installations & operations status) - 22/09/2015;Operational		

Effluent Discharge Monitoring

Parameter	Unit	MPCB Limit / Actual	
pH	–	5.5 to 9.0	7.5
TSS	mg/l	100	23.9
COD	mg/lit	250	44.98
BOD	mg/lit	100	21.35

Effluent Discharge

*** OCEMS connectivity details (Date of installations & operations status) - 22/09/2015;Operational**

IGPL

I G Petrochemicals Ltd

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 in respect to health, safety, security, environment, quality, and human right aspects. 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, health, safety, and environmental programs. We prioritize customer satisfaction and system enhancement through the implementation of ISO 9001:2015 and 14001:2015 standards.

IGPL

I G Petrochemicals Ltd

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 fulfil customer needs through timely delivery of consistent, high-quality products.
- Establish and achieve environmental, health, safety and quality system objectives and targets through effective communication, stakeholder engagement, participation and human resource management.
- Promote environment, health, safety and quality awareness among employees, contractor and relevant stakeholders through trainings / communications. Equip employees with necessary safety equipment and personal protective gear.

IGPL

I G Petrochemicals Ltd

- 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, health, safety, and quality and foster a culture of continuous improvement supported by adequate resources.
- Integrate 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.

IGPL

I G Petrochemicals Ltd

- 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.

1st Aug 2024

Executive Director

ANNEXURE XIII

re Sustainability

Mumbai Waste Management Ltd.

Certificate

of Membership

M/s. I. G. Petrochemicals Limited.

is a registered member of
CHW-TSDF at MIDC –Taloja for
safe and secure disposal of
Hazardous waste with

Membership No: MWML – HZW – TAL – 946

Certificate No: 3602 - 723

This Certificate is valid up to: 31ST MARCH 2026

Onkar Kulkarni
Manager – MBD

Somnath Malgar
Director

An ISO 9001:2015 / ISO 14001: 2015 / ISO 45001:2018 Certified Company
MWML Laboratory is Accredited by NABL & Recognized by MoEF & CC

ANNEXURE XIV

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:	***Submitted On:***	***Industry Type :***
MPCB-HW_ANNUAL_RETURN-0000058432	28-06-2025	Generator

Submitted for Year:

2025

1. Name of the generator/operator of facility	***Address of the unit/facility***
I G Petrochemicals Limited	Plot Nos. T-1, T-2, T-2/1, V-11, V-12, V-13, V-14 & V-45 Taloja Industrial Area, MIDC,Taloja, Tal. Panvel, Dist. Raigad - 410 208.

1b. Authorization Number	***Date of issue***	***Date of validity of consent***
Format1.0/CAC/UAN No.MPCBCONSENT_AMMENDMENT-0000013771/CO/2505000359	May 29, 2025	Aug 31, 2026

2. Name of the authorised person	***Full address of authorised person***
Mr. Sagar Jadhav	Plot Nos. T-1, T-2, T-2/1, V-11, V-12, V-13, V-14 & V-45 Taloja Industrial Area, MIDC,Taloja, Tal. Panvel, Dist. Raigad - 410 208.

Telephone	***Fax***	***Email***
8655769222	27410192/39289148	sjadhav@igpetro.com

3.Production during the year (product wise), wherever applicable

Product Type *	***Product Name ****	***Consented Quantity***	***Actual Quantity***	***UOM***
Petrochemicals	Phthalic Anhydride	275110.0000	204069	MT/A
Petrochemicals	Maleic Anhydride	9110.0000	6508	MT/A
Petrochemicals	Benzoic Acid	2000.0000	714	MT/A
Petrochemicals	Diethyl Phthalate / Dimethyl Phthalate	12600.0000	6579	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	***Wate Name***	***Consented Quantity***	***Quantity***	***UOM***
1.2 Tarry residues and still bottoms from distillation	"Tarry residues and still bottoms from distillation"	6783.840	3445	MTA
1.4 Organic residues	Organic residues	153.330	89.21	KL/Anum
1.6 Spent catalyst and molecular sieves	"Spent catalyst and molecular sieves"	99.960	29.54	KL/Anum
5.1 Used or spent oil	Used or spent oil	54.960	13.9	KL/Anum

33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels /containers / liners contaminated with hazardous chemicals /wastes	1848.000	379	KL/Anum
35.3 Chemical sludge from waste water treatment	Chemical sludge from waste treatment	21.960	6.25	KL/Anum
37.2 Ash from incinerator and flue gas cleaning residue	Ash from incinerator and flue gas cleaning residue	14.640	1.89	KL/Anum
37.3 Concentration or evaporation residues	Concentration or evaporation residues	3200.040	832.89	KL/Anum
36.2 Spent carbon or filter medium	Spent carbon or filter medium	98.760	48.68	KL/Anum
15.2 Discarded asbestos	Discarded asbestos	43.200	0.33	KL/Anum
37.1 Sludge from wet scrubbers	Sludge from wet scrubbers	7.560	0.44	KL/Anum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded Bags used for hazardous chemicals	2.520	0.83	KL/Anum
35.2 Spent ion exchange resin containing toxic metals	Spent ion exchange resin containing toxic metals	7.500	4.88	KL/Anum
33.2 Contaminated cotton rags or other cleaning materials	Contaminated cotton rags or other cleaning materials	6.000	0.52	MTA
Other Hazardous Waste	By Product phthalic acid	800.040	414.04	MTA
Other Hazardous Waste	By product sodium sulphate	900.000	69.5	MTA

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
1.4 Organic residues	89.21	MTA	Disposal Facility	M/s. Mumbai Waste Management
1.6 Spent catalyst and molecular sieves	29.54	MTA	Disposal Facility	M/s. Mumbai Waste Management
5.1 Used or spent oil	13.9	MTA	Recycler or Actual user	M/s. Plus Lubricants
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	379	numbers/anum	Disposal Facility	M/s. Mumbai Waste Management
35.3 Chemical sludge from waste water treatment	6.25	MTA	Disposal Facility	M/s. Mumbai Waste Management
37.2 Ash from incinerator and flue gas cleaning residue	1.89	MTA	Disposal Facility	M/s. Mumbai Waste Management
37.3 Concentration or evaporation residues	832.89	MTA	Disposal Facility	M/s. Mumbai Waste Management
36.2 Spent carbon or filter medium	48.68	MTA	Disposal Facility	M/s. Mumbai Waste Management
15.2 Discarded asbestos	0.33	MTA	Disposal Facility	M/s. Mumbai Waste Management
37.1 Sludge from wet scrubbers	0.44	MTA	Disposal Facility	M/s. Mumbai Waste Management
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.83	MTA	Disposal Facility	M/s. Mumbai Waste Management
35.2 Spent ion exchange resin containing toxic metals	4.88	KL/Anum	Disposal Facility	M/s. Mumbai Waste Management

33.2 Contaminated cotton rags or other cleaning materials	0.52	MTA	Disposal Facility	M/s. Mumbai Waste Management
Other Hazardous Waste	414.04	MTA	Disposal Facility	M/s. Mumbai Waste Management-By Product phthalic acid
Other Hazardous Waste	69.5	MTA	Disposal Facility	M/s. Mumbai Waste Management-By product sodium sulphate
Other Hazardous Waste	2.97	MTA	Recycler or Actual user	M/s. Darshan Chemicals-Spent Acetone
Other Hazardous Waste	16.12	MTA	Disposal Facility	M/s. Mumbai Waste Management-Cooling tower media fins
Other Hazardous Waste	34.54	MTA	Disposal Facility	M/s. Mumbai Waste Management-Heat transfer reactor salt
Other Hazardous Waste	0.08	MTA	Disposal Facility	M/s. Mumbai Waste Management-Thermocol waste

3. Quantity Utilised in-house,If any

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
1.2 Tarry residues and still bottoms from distillation	"Tarry residues and still bottoms from distillation"	3445	MTA

4. Quantity in storage at the end of the year

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
1.2 Tarry residues and still bottoms from distillation	"Tarry residues and still bottoms from distillation"	0	MTA
1.4 Organic residues	Organic residues	0	MTA
1.6 Spent catalyst and molecular sieves	"Spent catalyst and molecular sieves"	0	MTA
5.1 Used or spent oil	Used or spent oil	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels /containers / liners contaminated with hazardous chemicals /wastes	0	numbers/anum
35.3 Chemical sludge from waste water treatment	Chemical sludge from waste treatment	0	MTA
37.2 Ash from incinerator and flue gas cleaning residue	Ash from incinerator and flue gas cleaning residue	0	MTA
37.3 Concentration or evaporation residues	Concentration or evaporation residues	2.50	MTA
36.2 Spent carbon or filter medium	Spent carbon or filter medium	0	MTA
15.2 Discarded asbestos	Discarded asbestos	0	MTA
37.1 Sludge from wet scrubbers	Sludge from wet scrubbers	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded Bags used for hazardous chemicals	0	MTA
35.2 Spent ion exchange resin containing toxic metals	Spent ion exchange resin containing toxic metals	0	KL/Anum
33.2 Contaminated cotton rags or other cleaning materials	Contaminated cotton rags or other cleaning materials	0	MTA

Other Hazardous Waste	By Product phthalic acid	0	MTA
Other Hazardous Waste	By product sodium sulphate	0	MTA
Other Hazardous Waste	Spent Acetone	0	MTA
Other Hazardous Waste	cooling tower media fins	0	MTA
Other Hazardous Waste	Heat Transfer Reactor Salt	0	MTA
Other Hazardous Waste	Thermocol Waste	0	MTA

5. Quantity disposed in landfills as such and after treatment

Type	***Quantity***	***UOM***
Direct landfilling		KL/Anum
Landfill after treatment		KL/Anum

6. Quantity incinerated (if applicable)	***UOM***
	KL/Anum

Personal Details

Place	***Date***	***Designation***
Taloja	2025-06-28	Executive Director

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: 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 (R57)
No:- Format1.0/CAC/UAN No.MPCB-CONSENT_AMMENDMENT-0000013771/CO/2505000359

Date: 29/05/2025

To,
I G Petrochemicals Ltd.,
Plot Nos. T-1, T-2, T-2/1, V-11, V-12, V-13, V-14 & V-45 Taloja Industrial Area,
MIDC,Taloja, Tal. Panvel, Dist. Raigad - 410 208.

Your Service is Our Duty

Sub: Grant Amendment in Consent to operate, under RED category.

Ref:

1. Environment Clearance accorded vide No. F. No. J-11011/ 73/ 2016-IAII(I) dtd. 14.03.2022.
2. Environment Clearance amendment accorded vide No. F. No. J-11011/ 73/ 2016-IAII(I) dtd. 06.10.2022.
3. Consent to Operate granted vide No. Format 1.0/ CAC/UAN No.MPCB-CONSENT-0000115836/CR/2207000116 dated 02.07.2022.
4. Conent to Estblaish (Expasnion) granted vide No.:-Format1.0/CAC/UAN No.0000129419/CE/2207000117 dated 02.07.2022
5. Consent to 1st Operate for expansion with amalgamation with existing consent vide No:- Format1.0/CAC/UAN No.MPCBCONSENT-0000170581/CO/2312001056 dated 09.12.2023.
6. Minutes of 1st Consent Appraisal Committee meeting held on 17.04.2025.

Your application No.MPCB-CONSENT_AMMENDMENT-0000013771 Dated 12.06.2024

For: grant of Consent to Operate under Section 26 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 operate is granted for a period up to 31/08/2026**
2. **The capital investment of the project is Rs.1494.8758 Crs. (As per C.A Certificate submitted by industry Existing C.I. Rs. 1169.8758 Crs + Increase in C.I. Rs. 325 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Di Ethyl Phthalate/ Di Methyl Phthalate	12600	MT/A
2	Maleic Anhydride	9110	MT/A
3	Phthalic Anhydride	275110	MT/A

Sr No	Product	Maximum Quantity	UOM
4	Benzoic Acid	2000	MT/A
5	Power (Transmitted to Grid)	2.5	MW

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	851	As per Schedule -I	Recycle 675 CMD treated effluent recycled for cooling tower make up, fire-fighting, utility purposes etc. and discharge 220 CMD treated effluent into CETP
2.	Domestic effluent	44	As per Schedule - I	Recycle 100% to achieve ZLD

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	S-1	Boilers (3 Nos.)	1	As per Schedule -II
2	S-2 (A&B)	PA- I & II -Hot Oil Heaters	1	As per Schedule -II
3	S-3	PA-I Scrubber	1	As per Schedule -II
4	S-4	PA-II Scrubber	1	As per Schedule -II
5	S-5	PA-III Scrubber	1	As per Schedule -II
6	S-6	PA De-Dusting-1	1	As per Schedule -II
7	S-7	PA De-Dusting 2	1	As per Schedule -II
8	S-8	PA De-Dusting 3	1	As per Schedule -II
9	S-9	MA Bagging	1	As per Schedule -II
10	S-10	MA Flaker	1	As per Schedule -II
11	S-11	DG Set (2000 KVA)	1	As per Schedule -II
12	S-12	PA-IV Heater	1	As per Schedule -II
13	S-13	PA-IV Scrubber	1	As per Schedule -II
14	S-14	PA De-Dusting 4	1	As per Schedule -II
15	S-15	D.G. Set (2250 KVA)	1	As per Schedule -II
16	S-16	PA-V Heater	1	As per Schedule -II
17	S-17	PA-V Scrubber	1	As per Schedule -II
18	S-18	PA De-Dusting 5	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Debris during maintenance activities like insulation/ packing material/ scrap iron etc.	11.5	MT/M	NA	Sale to Auth. Party/ CHWTSDF

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
2	Biological sludge from waste water treatment	40	MT/M	Drying	Sale to authorized party
3	MS Scrap	300	MT/A	NA	Sale to authorized party
4	Broken Glass	500	Kg/Annum	NA	Sale to authorized party
5	Wooden Scrap	150	MT/A	NA	Sale to authorized party
6	Paper corrugated sheets	5	MT/A	NA	Sale to authorized party

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	1.2 Tarry residues and still bottoms from distillation	565.32	MT/M	Incineration	Used as fuel in Oil Heater/ Thermal Oxidizer
2	1.4 Organic residues	153.33	MT/A	Incineration/ Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF
3	1.6 Spent catalyst and molecular sieves	8.33	MT/M	Recycle/ Incineration	Return to manufacturer/ CHWTSDF
4	5.1 Used or spent oil	4.58	MT/M	Recycle	Sale to Auth. Party
5	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	154	No/M	Recycle	Sale to Auth. Party having permission under Rule 9/ CHWTSDF
6	35.3 Chemical sludge from waste water treatment	1.83	MT/M	CHWTSDF / Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF
7	37.2 Ash from incinerator and flue gas cleaning residue	1.22	MT/M	Secured Landfill	CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
8	37.3 Concentration or evaporation residues	266.67	MT/M	Secured Landfill after treatment	CHWTSDF
9	36.2 Spent carbon or filter medium	8.23	MT/M	CHWTSDF / Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF
10	15.2 Discarded asbestos	3.6	MT/M	Secured Landfill	CHWTSDF
11	37.1 Sludge from wet scrubbers	0.63	MT/M	CHWTSDF / Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF
12	33.1 Discarded Bags used for hazardous chemicals	0.21	MT/M	Incineration/ Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF
13	35.2 Spent ion exchange resin containing toxic metals	7500	Ltr/A	CHWTSDF / Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF
14	By-product Sodium Sulphate	75	MT/M	Recycle*/Landfill	Sale to Auth. Party having permission under Rule 9/ CHWTSDF
15	By-product Phthalic Acid	66.67	MT/M	Recycle*/Landfill/ Pre-processing / Co-processing	Sale to Auth. Party having permission under Rule 9/ CHWTSDFCo-processing through authorized Pre-preprocessor
16	By-product Mono Ester Salts	250	MT/M	Recycle*/Landfill	Sale to Auth. Party having permission under Rule 9/ CHWTSDF
17	33.2 Contaminated cotton rags or other cleaning materials	0.5	MT/M	CHWTSDF / Pre-processing / Co-processing	Co-processing through authorized Pre-preprocessor/CHWTSDF

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

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Battery waste	200.00	Nos./Y	Sent back to manufacturer

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):**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Plastic waste	500.00	Kg/M	Sale to Auth. Party/ Recycler

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

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	IT/ Telecom, Electrical, Electronic wastes	600.00	Kg/M	Sale to Auth. E waste handler/ Recycler

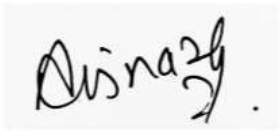
11. **Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:**

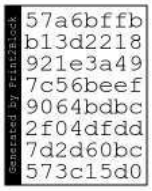
Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Soiled Waste	10.00	Yellow colored non-chlorinated plastic bags	CBMWTSDF
2	White (Translucent)	Waste sharps including Metals	2.00	Puncture proof, Leak proof, tamper proof container	CBMWTSDF
3	Blue	a) Glassware	12.00	Puncture proof & leak proof boxes or containers with blue colored marking.	CBMWTSDF

12. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
13. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
14. Industry shall operate and maintain ETP so as to achieve Consented standards.
15. Industry shall adopt Cleaner fuel in place of Furnace Oil in compliance with Board's Circular dtd. 20/02/2020.
16. Industry shall comply with the conditions stipulated in Environment Clearance accorded vide No. F. No. J-11011/ 73/ 2016-IAII(I) dtd. 14.03.2022 and amendment dtd. 06.10.2022.
17. 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.
18. This consent is issued as per the minutes of 1st Consent Appraisal Committee meeting held on 17.04.2025.
19. This consent is issued with overriding effect to earlier Consent to 1st Operate for expansion with amalgamation with existing consent vide No:- Format1.0/CAC/UAN No.MPCBCONSENT-0000170581/CO/2312001056 dated 09.12.2023.

20. Industry shall/submit bank guarantee of Rs. 25 lakh towards O & M of pollution control system and compliance of consent conditions.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.





Signed by: Dr.Avinash Dhakne
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2025-05-29 17:25:34 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	650000.00	MPCB-DR-19328	29/05/2023	NEFT

Balance fee of Rs. 1291418 as per existing consent to operate dated 02.07.2022, which is adjusted with this consent. Now, no remaining balance fee with the Board.

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 Desk- for record & website updating purpose.

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 895 CMD consisting of Primary, Secondary, Tertiary treatment followed by UF, Two stage RO, 4 effect MEE & ATFD for the treatment of 851 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.

Sr. No.	*Parameters*	*Limiting concentration not to exceed in mg/l, except for pH*
1	pH	5.5 to 9.0
2	Oil & Grease	10 mg/l
3	BOD	100 mg/l
4	COD	250 mg/l
5	Suspended Solids	100 mg/l
6	Chloride	600 mg/l
7	Sulphate	1000 mg/l
8	TDS	2100 mg/l
9	TAN	50 mg/l

C] The 675 CMD treated effluent (including 44 CMD domestic effluent) shall be recycled into process, for cooling tower make up, fire-fighting, utility purposes etc. and restrict discharge of 220 CMD treated effluent into CETP with water metering system for further treatment & disposal. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.

D] Industry shall ensure that the OCEMS is equipped with remote calibrating facility and online monitoring data is connected to MPCB & CPCB Servers.

2) **A] As per your application, you have provided septic tank and soak pit for the treatment of 44 CMD sewage.**

B] Overflow is connected to Aeration tank of ETP.

3) **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:**

Sr. No.	*Purpose for water consumed*	*Water consumption quantity (CMD)*
1.	Industrial Cooling, spraying in mine pits or boiler feed	5526.00
2.	Domestic purpose	54.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	781.00

4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	10

4) 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:

5) Prior permission shall be obtained from CGWA / irrigation department if ground Water/surface water is being used for industrial/Domestic purpose.

6) The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 or through NABL accredited laboratories.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1) **As per your application, you have provided the Air pollution control (APC) system and erected following stack(s) and observe the following fuel pattern-**

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO_2 (kg/day)
S1	Boiler (3 Nos.)	Stack	55	LSHS - 27 MT/DAY OR NATURAL GAS-31720 SCM /DAY	--	1.20	648.00
S-2	Hot Oil Heaters (2A & 2B)	Wet Scrubber	31	LSHS - 4 MT/DAY OR NATURAL GAS-4699 SCM /DAY OR Distillation Residue - 7 MT/Day	--	4.50	96.00
S-3 to S-5	Process Vents PA-I, II & III	Scrubber	50	---	--	--	--
S-6- to S-8	PA De-dusting filter (3 Nos.)	Bag Fillter	12	---	--	--	--
S-9	MA Bagging	Wet Scrubber	30	---	--	--	--
S-10	MA Flaker	Wet Scrubber	30	---	--	--	--
S-11	D.G. Set (2000 kVA)	Acoustic Enclosure/ Stack	30	HSD - 8.3 MT/DAY OR HSD - 3.624 MT/DAY + NATURAL GAS - 5040 SCM /DAY	--	--	--
S-12	Hot Oil Heater/ Thermal Oxidizer	Wet Scrubber	31	HSD - 2.5 MT/Day & Distillation Residue 4.2 MT/DAY	--	--	--

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO_2 (kg/day)
S-13	Process Vent PA-IV	Scrubber	50	---	--	--	--
S-14	PA Dedusting filter	Bag Filter	12	---	--	--	--
S-15	D.G. Set (2250 KVA)	Acoustic Enclosure/ Stack	30	HSD - 9.12 MT/DAY OR HSD - 3.986 MT/DAY + NATURAL GAS - 5540 SCM /DAY	--	1.00	182.00
S-16	PA-V Heater	Wet Scrubber	31	LSHS - 8.4 MT/DAY + RESIDUE - 12 MT/DAY OR NATURAL GAS - 9868 SCM/DAY + RESIDUE 12 MT/DAY	--	--	--
S-17	PA-V Scrubber	Scrubber	50	---	--	--	--
S-18	PA DeDusting 5	Bag filter	12	---	--	--	--

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 operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

A. Emission from Chimney /stack

Sr No.	Parameters	Fuel Type	Limiting Concentration not to exceed
1	Sulphur Di Oxide (SO2)	Liquid	850
2	Oxides of Nitrogen (NOx)	Liquid	350
3	Particulate Matter	Liquid	50
4	Carbon Monoxide (CO)	Liquid	150

B. Process Emission (specific from Chimney /stack :

Sr No.	Parameters	Source	Limiting Concentration not to exceed
1	Organic Particulate	PA, MA and TDI Plants	25

C. Load Based Standards :

Sr No.	Parameters	Source	Quantum limit in gm/hour for New/ Expansion Plants (gm/hr)

4) Storage of Volatile Liquids : General Petroleum/Petrochem Products

1) Storage tanks with capacity between 4 to 75m3 and total vapour Pressure (TVP) of more than 10 kpa should have Fixed Roof Tank (FRT) with pressure valve vent.

2) Storage tank with the capacity between 75 to 500 m3 and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Root Tank (IFRT) or External Floating Root Tank (EFRT) or Fixed Roof Tank with vapour control or vapour balancing system.

3) Storage tanks with the capacity of more than 500 m3 and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Roof Tank or External Floating Roof Tank or Fixed Roof Tank with vapour control system.

4) The tanks with the capacity of more than 75 m3 and total vapour Pressure (TVP) of more than 76 kpa should have Fixed Root Tank with vapour control system.

5) Requirement for seals in Floating Roof Tanks:

i) a) IFRT and EFRT shall be provided with double seals with minimum vapour recovery of 96%.

b) Primary seal shall be liquid or shoe mounted for EFRT and vapour mounted for IFRT. Maximum seal gap width will be 4 cm and maximum gap area will be 200 cm2/m of tank diameter.

c) Secondary seal shall be rim mounted. Maximum seal gap width will be 1.3 cm and maximum gap area will be 20 cm2/m of tank diameter.

d) Material of seal and construction shall ensure high performance and durability

ii) Fixed Roof Tanks shall have vapor control efficiency of 95% and vapour balancing efficiency of 90%

iii) Inspection and maintenance of storage tanks shall be carried out under strict control. For the inspection, API RP 575 may be adopted, In-service inspection with regard seal gap should be carried out once in every six months and repair to be implemented in short time. In future, possibility of on-stream repair of both seals shall be examined.

iv) Storage tanks shall be painted with white colour shade, except for derogation of visually sensitive area.

5) Storage of Benzone, VCM and ACN

i. FRT with vapour for inceneration with 99.9% of removal efficiency for volatile organic compounds (VOCs) shall be provided, or

ii. IFRT/EFRT with double seals, emissio-reducing roof fitting and fitted with fixed roof with vapour removal efficiency of atleast 99% shall be provided, or

iii. Internal floating roof and nitrogen blanketing in between fixed and floating roofs shall be provided.

6)

Emission control for Road tank truck/Rail tank wagon loading		
Loading of Volatile Products	Gasoline and Naphtha: (i) VOC reduction, %. (ii) Emission, gm/m3	(i) 99.50 (ii) 5.00
	Benzene: (i) VOC reduction, % (ii) Emission, mg/m3	(i) 99.99 (ii) 20.00
	Toluene/Xylene: (i) VOC reduction, % (ii) Emission, mg/m3	(i) 99.98 ii) 150.00
Note: (i) It shall be applicable for Gasoline, Naphtha, Benzene, Toluene and Xylene loading. (ii) Road tank Truck shall have Bottom loading and Roll tank wagon shall have Top submerged loading. (iii) Annual leak testing for vapour collection shall be done.		

7) VOC Emission Controls: -

a) The Industry shall take all operational practices & implement control measures to limit VOC emission during breathing (tank evaporative emission) and during filling of storage tanks as mandated under storage tank provision of GSR 186 (E) Dt.18.03.2008.

b) Industry shall keep record indicating type of chemical stored in different tanks & submit the same to MPCB every month.

c) The tanks shall be maintained as per the API RP 575 Standards and provided with modern instrumentation to ensure that there shall be no leakage or spillage during handling.

d) The industry shall have preventive maintenance plan and keep records of preventative maintenance carried out. For IFR Tanks, this shall include regular inspection of seals, seal gap, condition of various sleeves, jackets etc.

e) The industry shall monitor vapor pressure in the tanks. The Industry shall spray water on tanks shells by water sprinklers installed, provided tank vapor pressure exceeds set norms. Industry shall maintain records of operation of fire water sprinkler & submit the same to MPCB every month.

f) The industry shall provide adequate arrangement for capturing VOC emission during tanker filling. This shall include providing compatible lids (with suitable openings for filling pipe and fume extraction vent) to close the manholes on the tanker top so that no VOC emissions leaks into the environment. Alternative bottom loading of tankers with leak proof vapour collection facilities at the manholes will be provided. Compatible loading arms with level gauge, metered flow to tanker to ensure control filling to be provided. Vapour capturing hoses shall be connected to central header and shall have extra provision for collecting VOC emissions from maintenance activities and during pigging of pipelines.

g) The collection header shall be connected to Air pollution control system consisting of brine chiller followed by activated carbon/charcoal to meet slandered as given in DSR -186 (E) Dt.18.03.2008

h) The industry shall explore possibility of collecting vapours from open manholes during tank washing and diverting the same to the air pollution control system provided.

i) Industry shall ensure that the nitrogen /air used during pigging operations shall be diverted to the air pollution control system provided.

j) The air blown from manifold to tanker filling point shall be diverted to air pollution control system provided.

k) High level alarm synchronized with cut off capacity shall be provided to the storage tanks.

l) The internal roads shall b cement concrete and shall be maintained with adequate green belt.

m) The industry shall monitor ambient air quality on a monthly basis and the emission of Volatile Organic Compound particularly Toluene, Xylene and non-methane Hydro Carbon from MoEF approved laboratory.

n) The industry shall not cause any nuisance in surrounding area.

8) Industry shall provide Air Pollution Control System for Paint Booth (Water contain) and leak detection system with alarm.

9) Industry shall install 24*7 online continuous emission monitoring system at process stack to monitor stack emissions as per CPCB guidelines and it's connectivity to CPCB & MPCB Servers . PP shall Calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act , 1986 or NABL accredited laboratories.

10) Project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.

11) National Emissions standards for Organic chemicals manufacturing Industry Issued by MOEFCC vide G.S.R. No 608 E DATED 21 July 2010 and amended from time to time shall be followed.

12) The National Emission Standards for Petroleum Oil Refinery issued by the Ministry vide G.S.R. 186(E) dated 18th March, 2008 and G.S.R. 595 (E) dated 9th November, 2012 as amended time to time be followed.

13) The National Emission Standards for Petrochem (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.

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	C2O	2500000	Existing/submit	Towards O&M of pollution control systems and towards compliance of the Consent conditions	31/8/2026	28/2/2027

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

 # Existing BG obtained for above purpose if any may be extended for period of validity as above.

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
1		All the old BG's excluding BG enforced in this consent.		

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 team.
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 sitting 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 industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
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. 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.
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. The PP shall provide personal protection equipment as per norms of Factory Act
23. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
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. Industry 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).
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. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
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 industry should comply with the Hazardous and Other Wastes (M & TM) 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 April to March in Form-IV by 30th June of every year.
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. 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.
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.

This certificate is digitally & electronically signed.

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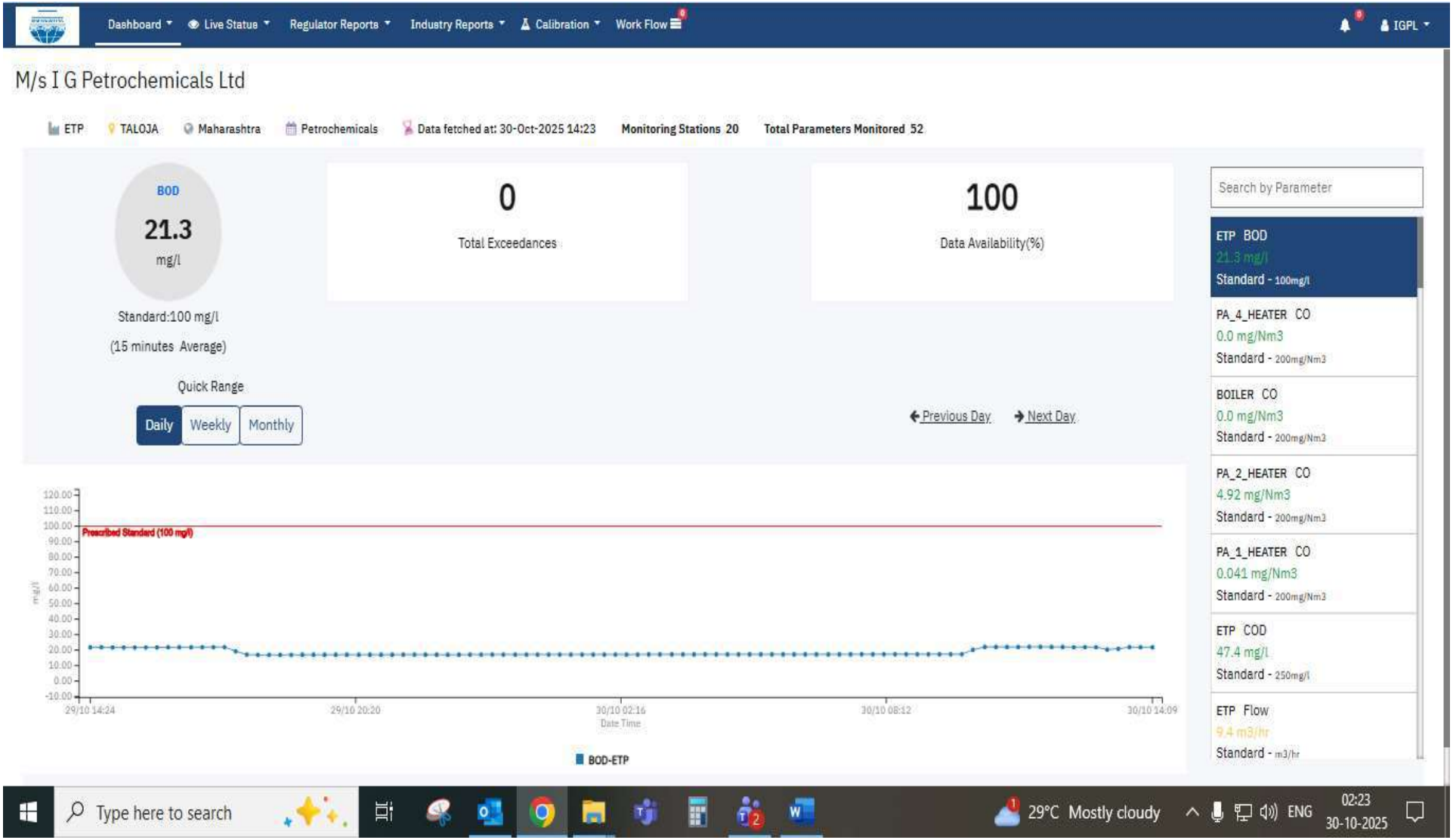
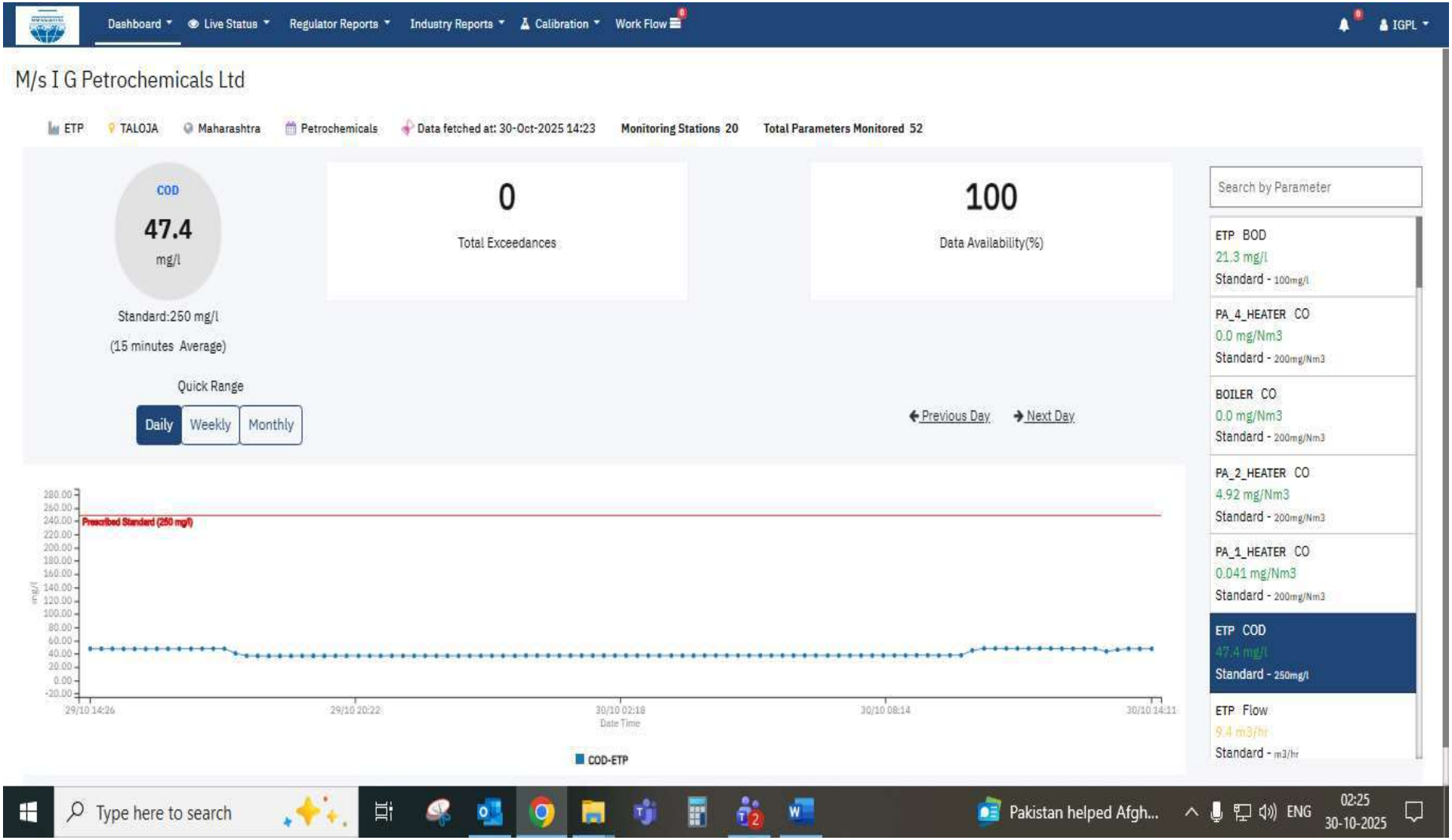
16. ANNEXURE – OCEMS DASHBOARD



16. ANNEXURE – OCEMS DASHBOARD



ANNEXURE - XVII

I G PETROCHEMICALS LIMITED
DETAILS OF EXPENDITURE ON ENVIRONMENT SOCIAL RESPONSIBILITY
PERIOD 01.04.2025 TO 30.09.2025

SR. NO.	PAID TO	PERIOD FROM	PERIOD TO	AMOUNT	Voucher No.	Voucher Date
	TALOJA FACTORY					
1	**Maintenance of Trees (By K D Patil)**					
	(At Koyanavele/ghotcamp,Bhoirwada Road, Nitlas Village & FG Glass MIDC Road Divider)					
	Rs 65000/- PM	01-04-2025	30-04-2025	65,000.00	PV-TAL/2526070150	19-Jul-25
		01-05-2025	31-05-2025	65,000.00	PV-TAL/2526070147	19-Jul-25
		01-06-2025	30-06-2025	65,000.00	PV-TAL/2526070148	19-Jul-25
		01-07-2025	31-07-2025	65,000.00	PV-TAL/2526090140	22-Sep-25
		01-08-2025	31-08-2025	65,000.00	PV-TAL/2526090199	29-Sep-25
		01-09-2025	30-09-2025	65,000.00	PV-TAL/2526100159	21-Oct-25
	TOTAL-Expenses			**3,90,000.00**		

ANNEXURE - XVIII

I G PETROCHEMICALS LIMITED
DETAILS OF EXPENDITURE ON CORPORATE SOCIAL RESPONSIBILITY
PERIOD 01.04.2025 TO 30.09.2025

SR. NO.	PAID TO	AMOUNT	GST AMOUNT	TOTAL		Voucher No.	Voucher Date
A	**BOMBAY OFFICE**						
1	**INTERNATION SOCIETY FOR KRISHNA CONSCIOUSNESS(ISKCON)**						
	SERVICES RELATED TO GAU MATA	10,00,000.00	-	10,00,000.00		MUM-BP/2526090568	29-Sep-25
					10,00,000.00		
2	**WOMEN EMPOWERMENT**						
					-		
e	**INTERNATIONAL ASSOCIATION FOR HUMAN VALUES**						
	PAID TO INTERNATIONAL ASSOCIATION FOR HUMAN VALUES FOR THE 'MENSTRUAL HEALTH AND HYGIENE AWAR NESS PROGRAMS' IN TALOJA, NAVI MUMBAI	3,75,000.00		3,75,000.00	3,75,000.00	MUM-BP/2526070515	24-Jul-25
f	**Parkinsons Disease and Movement Disorder Society**						
	TOWARDS SUPPORT AND REHABILITATION OF PEOPLE WITH PARKINSON'S DISEASE	5,00,000.00		5,00,000.00	5,00,000.00	MUM-BP/2526070382	18-Jul-25
g	**ACIL NAVSARJAN RURAL DEVELOPMENT FOUNDATION**						
	TOWARDS WATERSHED DEVELOPMENT & MANAGEMENT PROGRAMME' IN SHIRWALI VILLAGE, TALUKA PANVEL	20,77,339.00		20,77,339.00	20,77,339.00	MUM-BP/2526070511	24-Jul-25
	Total - (A)	39,52,339.00	-	39,52,339.00	39,52,339.00		
B	**TALOJA FACTORY**						
1	**Param Shantidham Vridhashram**						
	Taloja MIDC , Opposite -Tecnova Co, Post - Koyalnawele, Taluka-Panvel	30,000.00	-	30,000.00		TL-BP/2526040011	2-Apr-25
	PAN:- AAATP 3007C , DIT (E) /MC/80G/2930/2009-10	30,000.00	-	30,000.00		TL-BP/2526050003	2-May-25
	(Registration No 12962 Income Tax Act 1961 U/S 80G)	30,000.00	-	30,000.00		TL-BP/2526060049	6-Jun-25
		30,000.00	-	30,000.00		TL-BP/2526070001	1-Jul-25
		30,000.00	-	30,000.00		TL-BP/2526080001	1-Aug-25
		30,000.00	-	30,000.00		TL-BP/2526090217	16-Sep-25
					1,80,000.00		
	Total - (B)	1,80,000.00	-	1,80,000.00	1,80,000.00		
	TOTAL	41,32,339.00	-	41,32,339.00	41,32,339.00		

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

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

Dated: 6th October, 2022

To,

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

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

Sir,

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

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

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

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

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

S. N.	Para of EC	Details as per EC dated 14th March, 2022 (From)	To be revised (Read as)	Justification/ Reasons
				existing facility, sent to CHWTSDF (Mumbai Waste Management ltd.) which is located 4 km away. Disposal to CHWTSDF be allowed as per existing Consent to Operate granted by MPCB. Nearest cement plant is located 600 km away and it is not viable. Details of residue generation and disposal submitted in EIA report and affidavit letter Ref. no. IGPL/JKS/2022/PA-V dated 11.02.2022.
4.	Specific Condition xii	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc.	Industry will develop 26% (29064.63 m^2) of the total plot area as greenbelt within the plant premises and 10% additional green belt shall be developed outside plant premises adjacent to the plant within MIDC Industrial area.	The plant has been in existence since 1990-91. Existing green belt area within plot is 12% (13313.45 m^2).6 m wide road around the plant is mandatory for safety purposes as per MIDC Development Control Rules and DISH requirements under Factories Act, 1941.With optimization within plot, PP proposes to increase green belt area within plot upto 26% (29064.63 m^2). Further optimization within plot is very difficult. Further, PP informed that to develop additional green belt area 10% (10218 m^2) adjacent to the plant within the MIDC Industrial Area. Agreement has been signed with MIDC for tree plantation. This will cover the plant with dense green belt on three sides. Total green belt area within and outside the plant (39282.63 m2) i.e. 36% of total plot area will be developed.

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

(i) Industry shall obtain prior approval from SPCB for discharge of effluent to CETP. Industry shall discharge 220 KLPD of treated effluent to CETP after achieving the discharge norms specified by the SPCB. Online monitoring system shall be installed and connected to the CPCB and SPCB server.

(ii) Air emissions from Thermic Fluid Heaters shall be monitored and emission levels shall not exceed the prescribed limit.

(iii) For outside greenbelt development, PP shall take land for long term lease of 25 years and greenbelt shall be maintained properly.

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

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

6. This issues with approval of the competent authority.

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

Copy to: -

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

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

ANNEXURE -XX

SAFETY TRAINING PHOTOS

ANNEXURE XXI

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000086408	26-09-2025

PART A

Company Information

Company Name	***Application UAN number***
I. G. Petrochemicals Ltd.	0000013771

Address

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

Plot no	***Taluka***	***Village***
Plot Nos. T-1, T-2, T-2/1, V-11, V-12, V-13, V-14 & V-45 Taloja Industrial Area, MIDC,Taloja, Tal. Panvel, Dist. Raigad - 410 208.	Panvel	Taloja Industrial Area

Capital Investment (In lakhs)	***Scale***	***City***
1494.8758	Large Scale Industry (LSI)	Panvel

Pincode	***Person Name***	***Designation***
410208	Mr. Sagar Jadhav	Executive Director

Telephone Number	***Fax Number***	***Email***
2268479103	2227410192	sjadhav@igpetro.com

Region	***Industry Category***	***Industry Type***
SRO-Taloja	Red	R57 Petrochemicals Manufacturing (including processing of Emulsions of oil and water)

Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CAC/UAN No.MPCBCONSENT_AMMENDMENT-0000013771/CO/2505000359	2025-05-29

Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2026-08-31	1992	Sep 27 2024 12:00:00:000AM

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

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Phthalic Anhydride	275110	204069.000	MT/A
Benzoic Acid	2000	714.000	MT/A
Maleic Anhydride	9110	6508.000	MT/A

Di Ethyl Phthalate	12600	6579.000	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
0	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	781.00	89.40
Cooling	5526.00	3050.80
Domestic	54.00	50.00
All others	10.00	8.00
Total	6371.00	3198.20

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of trade effluent from the factory	851	365.4	CMD
Daily Quantity of sewage from the factory	44	36.3	CMD
Daily quantity of treated effluent discharged to CETP	220	135	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
Phthalic Anhydride	4.52	4.91	CMD
Benzoic Acid	37.71	35.01	CMD
Maleic Anhydride	12.88	12.84	CMD
DI-Ethtyl Phthalate	5.33	5.32	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
o-Xylene	0.95	0.94	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	14381	8244.5	MT/A
HSD	7263.5	647.5	MT/A
Distillation Residue	8468	3445.0	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

	Quantity	Concentration	%variation	Standard	Reason
pH	0	7.2	0	5.5 - 9.0	NA
COD	9.34	69.2	0	250 mg/l	NA
BOD	3.19	23.7	0	100 mg/l	NA
TDS	126.23	935.0	0	2100 mg/l	NA
CHLORIDES	26.96	199.7	0	600 mg/l	NA
TSS	2.84	21.0	0	100 mg/l	NA
SULPHATE	36.75	272.3	0	1000 mg/l	NA
TAN	0.08	0.6	0	50 mg/l NA	NA
O & G	0.27	2.0	0	10 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		
	Quantity	Concentration	%variation	Standard	Reason
Stack - I (Boiler)- TPM	56.75	73.91	0	100 mg/Nm3	NA
Stack - I (Boiler)- SO2	61.57	80.19	0	1700 mg/Nm3	NA
Stack - I (Boiler) - NOX	139.55	181.74	0	450 mg/Nm3	NA
Stack - I (Boiler) - CO	8.82	11.49	0	200 mg/Nm3	NA
Stack - II-A-PA I Heater PM	48.72	4.65	0	100 mg/Nm3	NA
Stack - II-A-PA I Heater SO2	33.74	3.22	0	1700 mg/Nm3	NA
Stack - II-A-PA I Heater NOX	110.95	10.59	0	450 mg/Nm3	NA
Stack - II-A-PA I Heater CO	6.50	0.62	0	200 mg/Nm3	NA
Stack - II-B-PA II Heater PM	40.45	5.32	0	100 mg/Nm3	NA
Stack - II-B-PA II Heater SO2	27.97	3.68	0	1700 mg/Nm3	NA
Stack - II-B-PA II Heater NOX	110.34	14.91	0	450 mg/Nm3	NA
Stack - II-B-PA II Heater CO	5.05	0.66	0	200 mg/Nm3	NA
Stack - III- PA I Scrubber TOC	1.00	1.76	0	150 mg/Nm3	NA
Stack - III- PA I Scrubber PM	24.62	43.33	0	50 mg/Nm3	NA
Stack - III- PA I Scrubber SO2	5.00	8.80	0	850 mg/Nm3	NA
Stack - III- PA I Scrubber NOX	16.90	29.74	0	350 mg/Nm3	NA
Stack - IV- PA II Scrubber TOC	1.00	1.30	0	150 mg/Nm3	NA
Stack - IV- PA II Scrubber PM	24.31	31.72	0	100 mg/Nm3	NA
Stack - IV- PA II Scrubber SO2	5.00	6.52	0	1700 mg/Nm	NA
Stack - IV- PA II Scrubber NOX	16.90	22.05	0	450 mg/Nm3	NA
Stack - V- PA III Scrubber TOC	1.00	1.32	0	150 mg/Nm3	NA
Stack - V- PA III Scrubber PM	20.64	27.21	0	100 mg/Nm3	NA
Stack - V- PA III Scrubber SO2	5.00	6.59	0	1700 mg/Nm	NA
Stack - V- PA III Scrubber NOX	16.90	22.28	0	450 mg/Nm3	NA
Stack - VI- PA Dedusting 1 PM	11.33	0.79	0	150 mg/Nm3	NA
Stack - VI- PA Dedusting 1 TOC	1.00	0.07	0	150 mg/Nm3	NA

Stack - VII PA Dedusting 2 PM	9.87	0.84	0	150 mg/Nm3	NA
Stack - VII PA Dedusting 2 TOC	1.00	0.09	0	150 mg/Nm3	NA
Stack - VIII PA Dedusting 3 PM	9.56	0.95	0	150 mg/Nm3	NA
Stack - VIII PA Dedusting 3 TOC	1.00	0.10	0	150 mg/Nm3	NA
Stack - IX MA Bagging PM	15.25	0.44	0	150 mg/Nm3	NA
Stack - IX MA Bagging TOC	1.00	0.03	0	150 mg/Nm3	NA
Stack - X MA Flaker PM	11.67	0.37	0	150 mg/Nm3	NA
Stack - X MA Flaker TOC	1.00	0.03	0	150 mg/Nm3	NA
Stack - XI- DG- PM	50.36	4.05	0	150 mg/Nm3	NA
Stack - XI- DG- SO2	33.57	2.70	0	1700 mg/Nm3	NA
Stack - XI- DG- NOX	113.95	9.15	0	710 mg/Nm3	NA
Stack - XI- DG- CO	5.68	0.46	0	150 mg/Nm3	NA
Stack - XII PA 4 Heater PM	42.52	9.90	0	100 mg/Nm3	NA
Stack - XII PA 4 Heater SO2	28.83	6.72	0	1700 mg/Nm3	NA
Stack - XII PA 4 Heater NOX	0	0	0	450 mg/Nm3	NA
Stack - XII PA 4 Heater CO	6.32	1.47	0	200 mg/Nm3	NA
Stack - XIII PA 4 Scrubber TOC	1.00	1.31	0	150 mg/Nm3	NA
Stack - XIII PA 4 Scrubber PM	30.93	40.65	0	50 mg/Nm3	NA
Stack - XIII PA 4 Scrubber SO2	5.00	6.57	0	850 mg/Nm3	NA
Stack - XIII PA 4 Scrubber NOX	104.90	137.86	0	350 mg/Nm3	NA
Stack - XIV PA Dedusting 4 PM	13.26	1.18	0	150 mg/Nm3	NA
Stack - XIV PA Dedusting 4 TOC	1.00	0.09	0	150 mg/Nm3	NA
Stack - XV DG 2050 KVA PM	51.99	4.37	0	150 mg/Nm3	NA
Stack - XV DG 2050 KVA SO2	35.40	2.98	0	1700 mg/Nm3	NA
Stack - XV DG 2050 KVA NOx	123.56	10.39	0	710 mg/Nm3	NA
Stack - XV DG 2050 KVA CO	4.43	0.37	0	150 mg/Nm3	NA
Stack - XVI PA 5 Heater PM	47.80	4.19	0	50 mg/Nm3	NA
Stack - XVI PA 5 Heater SO2	31.24	2.74	0	850 mg/Nm3	NA
Stack - XVI PA 5 Heater NOX	0	0	0	350 mg/Nm3	NA
Stack - XVI PA 5 Heater CO	4.80	0.42	0	150 mg/Nm3	NA
Stack - XVII PA 5 Scrubber TOC	1.00	1.33	0	150 mg/Nm3	NA
Stack - XVII PA 5 Scrubber PM	24.18	32.08	0	50 mg/Nm3	NA
Stack - XVII PA 5 Scrubber SO2	5.00	6.63	0	850 mg/Nm3	NA
Stack - XVII PA 5 Scrubber NOX	16.90	22.41	0	350 mg/Nm3	NA
Stack - XVIII PA 5 Dedusting PM	0	0	0	50 mg/Nm3	NA
Stack - XVIII PA 5 Dedusting TOC	0	0	0	150 mg/Nm3	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
1.6 Spent catalyst and molecular sieves	45.81	29.54	MT/A
5.1 Used or spent oil	8.49	13.9	MT/A
15.2 Discarded asbestos	0.20	0.33	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	452	379	Nos./Y
36.2 Spent carbon or filter medium	48.3	48.68	MT/A
37.2 Ash from incinerator and flue gas cleaning residue	0.24	1.89	MT/A
1.4 Organic residues	120.03	89.21	MT/A
37.3 Concentration or evaporation residues	798.52	832.89	MT/A
37.1 Sludge from wet scrubbers	0.41	0.44	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2.01	0.83	MT/A
Other Hazardous Waste	205.15	414.04	MT/A
Other Hazardous Waste	114.67	69.50	MT/A
35.2 Spent ion exchange resin containing toxic metals	0.45	4.88	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0.38	0.52	MT/A
Other Hazardous Waste	1.86	0	MT/A
Other Hazardous Waste	2.37	2.97	MT/A
Other Hazardous Waste	11.42	16.12	MT/A
Other Hazardous Waste	0	34.54	MT/A
Other Hazardous Waste	0	0.08	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	7.59	6.25	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Debris during maintenance activities like insulation/ packing material/ scrap iron etc	83.98	70.09	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Biological sludge from waste water treatment	194.98	178.20	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
1.2 Tarry residues and still bottoms from distillation	3325.33	3445	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***
1.6 Spent catalyst and molecular sieves	29.54	MT/A	Solid (Disposal - Sent to CHWTSDF)
5.1 Used or spent oil	13.83	MT/A	Liquid (Disposal - Sale CPCB / MPCB authorized parties
15.2 Discarded asbestos	0.33	MT/A	Solid (Disposal-Sent to CHWTSDF)
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	379	Nos./Y	Solid (Disposal - Sent to CHWTSDF)
36.2 Spent carbon or filter medium	48.68	MT/A	Solid (Disposal-Sent to CHWTSDF)
37.2 Ash from incinerator and flue gas cleaning residue	1.89	MT/A	Solid (Disposal-Sent to CHWTSDF)
1.4 Organic residues	89.21	MT/A	Solid (Disposal-Sent to CHWTSDF)
37.3 Concentration or evaporation residues	831.39	MT/A	Solid (Disposal-Sent to CHWTSDF)
37.1 Sludge from wet scrubbers	0.44	MT/A	MT/A Solid (Disposal-Sent to CHWTSDF)
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.83	MT/A	Solid (Disposal-Sent to CHWTSDF)
Other Hazardous Waste	414.04	MT/A	Solid (Disposal-Sent to CHWTSDF) Phthalic Acid
Other Hazardous Waste	69.50	MT/A	Solid (Disposal-Sent to CHWTSDF) Sodium Sulphate
35.2 Spent ion exchange resin containing toxic metals	4.88	MT/A	Solid (Disposal-Sent to CHWTSDF)
33.2 Contaminated cotton rags or other cleaning materials	0.52	MT/A	Solid (Disposal-Sent to CHWTSDF)
Other Hazardous Waste	0	MT/A	Solid (Disposal-Sent to CHWTSDF) Discarded FRP Wast
Other Hazardous Waste	2.97	MT/A	Liquid (Disposal-Sent to Auth.Recycler) Spent Acetone
Other Hazardous Waste	16.12	MT/A	Solid (Disposal-Sent to CHWTSDF) Cooling Tower fins Media
Other Hazardous Waste	34.54	MT/A	Solid (Disposal-Sent to CHWTSDF) Heat Transfer Reactor Salt
Other Hazardous Waste	0.08	MT/A	Solid (Disposal-Sent to CHWTSDF) Thermocol Waste
1.2 Tarry residues and still bottoms from distillation	3445	MT/A	Viscous (Disposal - Used as fuel in Oil Heater/ Thermal Oxidizer

2) Solid Waste

Type of Solid Waste Generated	***Qty of Solid Waste***	***UOM***	***Concentration of Solid Waste***
Other debris like insulation, packaging materials etc	70.09	MT/A	Solid (Disposal- Sent to CHWTSDF)
Biological sludge from waste water treatment	178.16	MT/A	Solid (Disposal- Sent to CHWTSDF)

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)
RO Permeate Reused	259.9	0	0	0	0	0
Rain water Harvest	25736	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

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
0	0	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Mr. Sagar Jadhav Executive Director

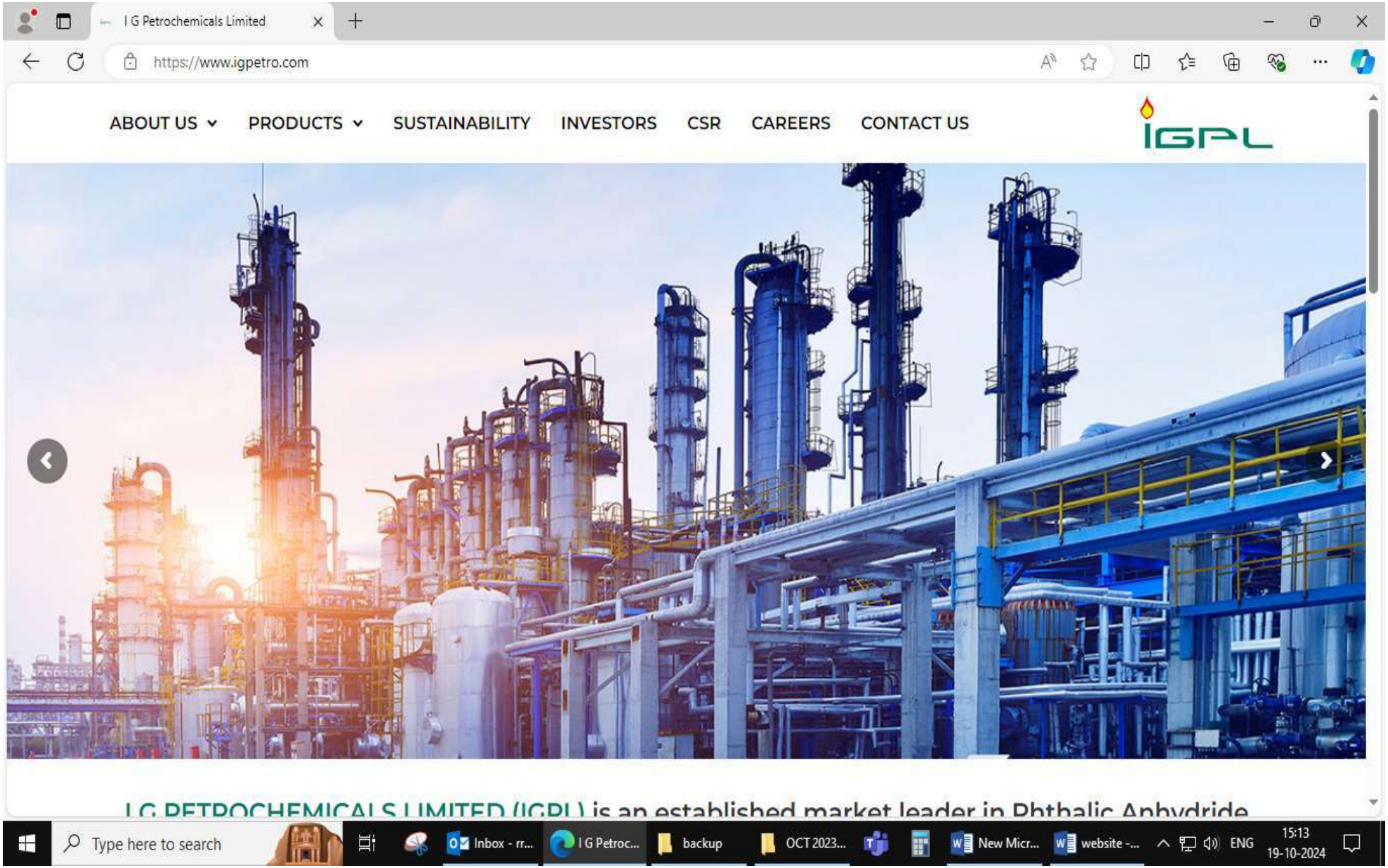
UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000086408

Submitted On:

26-09-2025

Annexure - XXII - IGPL Website Snapshots



I G 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 it's 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 – I G Petrochemical

https://www.igpetro.com/sustainability/

ABOUT US PRODUCTS SUSTAINABILITY INVESTORS CSR CAREERS CONTACT US

IGPL

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 espect of the

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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 :

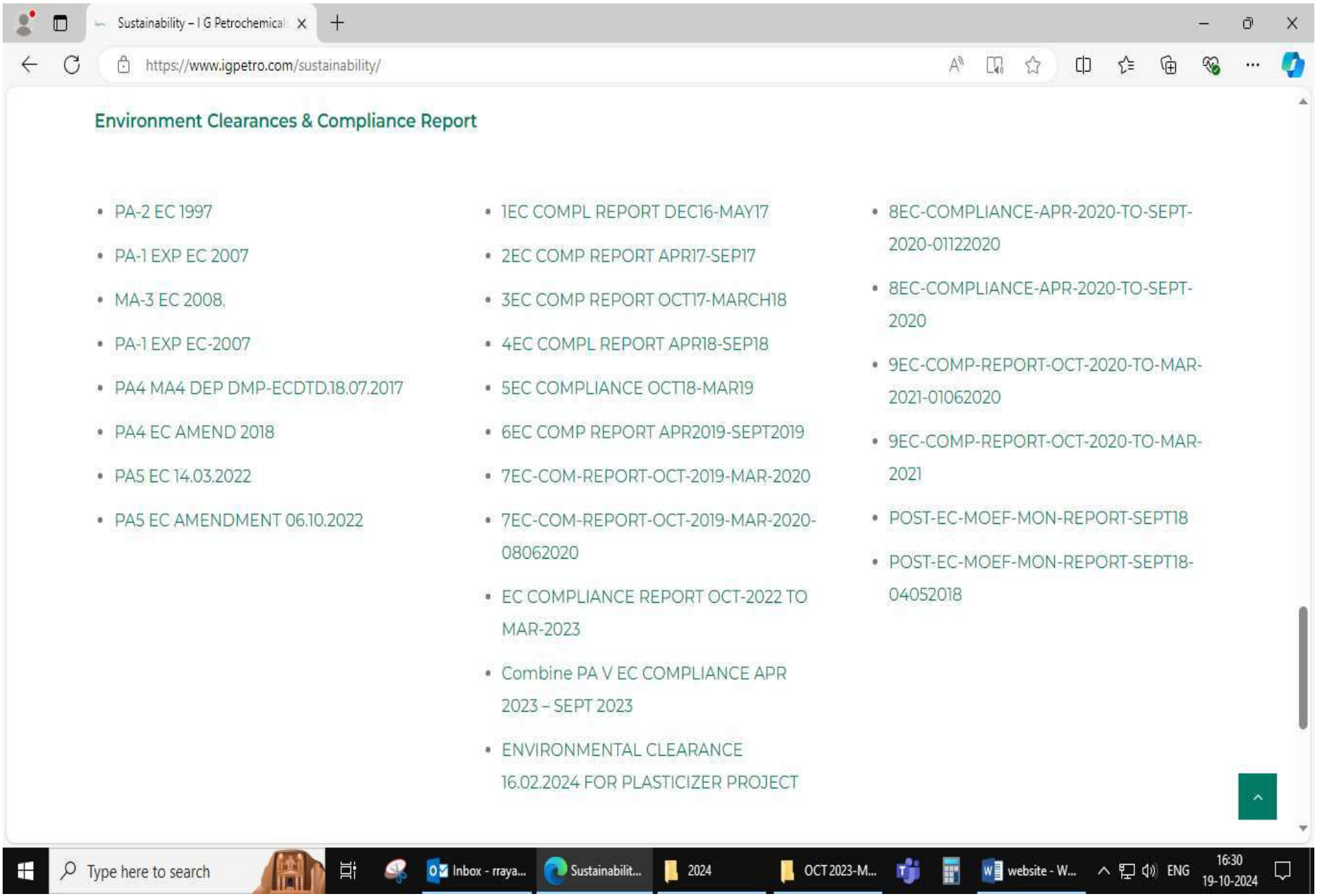
- Eliminate or minimize Hazards and Risk to Health and Safety as far as practicable.
- Conduct frequent Audits, Risks Assessment and Mock Drill Etc. and implement suggestion given to improve work environment.
- Educate Employees for their general responsibility and other people towards Health and Safety 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, Maelic Anydride 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.


Sustainability – I G Petrochemical
https://www.igpetro.com/sustainability/
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
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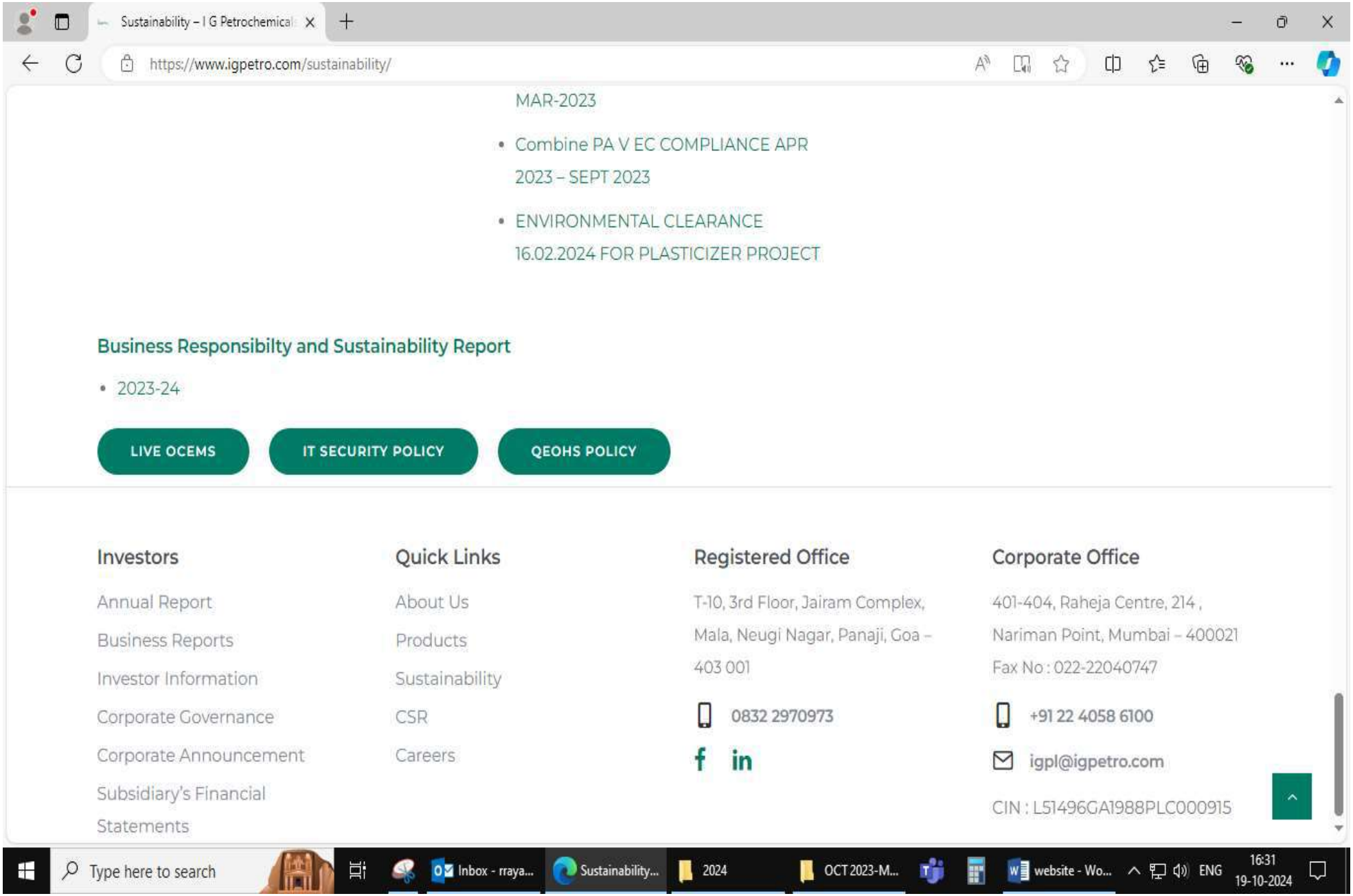
Sustainability – I G Petrochemical
https://www.igpetro.com/sustainability/
MAR-2023
Combine PA V EC COMPLIANCE APR 2023 – SEPT 2023
ENVIRONMENTAL CLEARANCE 16.02.2024 FOR PLASTICIZER PROJECT
Business Responsibilty and Sustainability Report
2023-24
LIVE OCEMS
IT SECURITY POLICY
QEOHS POLICY
Investors
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
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website - Wo...
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19-10-2024

ANNEXURE-XXIII

I G PETROCHEMICALS LIMITED

Ref : IGPL/JKS/2018 **Date : 08.10.2018**

Panvel Municipal Corporation,
Panvel,
Dist. Raigad : 410206
Maharashtra

Dear Sir,

We are enclosing herewith copy of Environmental Clearance issued vide F.No.J-11011/73/2016-IA-II (I) dtd. 18.07.2017 by Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India, New Delhi alongwith amendment to the Environmental Clearance issued Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India, New Delhi dtd. 20.02.2018 for your kind information and records.

Please acknowledge having received the same.

Thanking you,

Yours faithfully,
For I G PETROCHEMICALS LIMITED

(JK SABOO)
EXECUTIVE DIRECTOR

Encl : As above

9/10/18
लेखनिक
आवक-जावक
पनवेल शहर महानगरपालिका
पनवेल - रायगड.

Factory : Plot No.T-2, Taloja Industrial Area, MIDC, Taloja, Dist.: Raigad, Maharashtra - 410 208, India. Tel.: (91) 22-3928 9100 • Fax : (91) 22-2741 0192 • E-mail: taloja@igpetro.com • Website : http//www.igpetro.com
Corp. Office : 401-404, Raheja Centre, Free Press Journal Marg, 214, Nariman Point, Mumbai - 400 021. India. Tel.: (91) 22 - 3028 6100; Fax: (91) 22 - 2204 0747; E-mail: igpl@igpetro.com

ANNEXURE-XXIV

PHOTOS OF PA – IV AND DEP PLANT

HEATER

DISTILLATION

STORAGE TANKS

DEP PLANT

ANNEXURE - XXV

TRICKLING FILTER-

TRICKLING FILTER MCC

ETP MCC PANEL ROOM-

MGF AND ACF-

UF-


HOSE REEL
Latitude: 19.092644
Longitude: 73.126597
Elevation: 15.84±3.00 m
Accuracy: 10.63 m
Time: 12-11-2025 17:13:03
Note: ETP 5
NoteCam @ iOS


OLD UF PLANT
UF PLANT CAP.25M³/HR
Latitude: 19.092733
Longitude: 73.126585
Elevation: 16.32±3.00 m
Accuracy: 10.19 m
Time: 12-11-2025 17:12:29
Note: ETP 3
NoteCam @ iOS

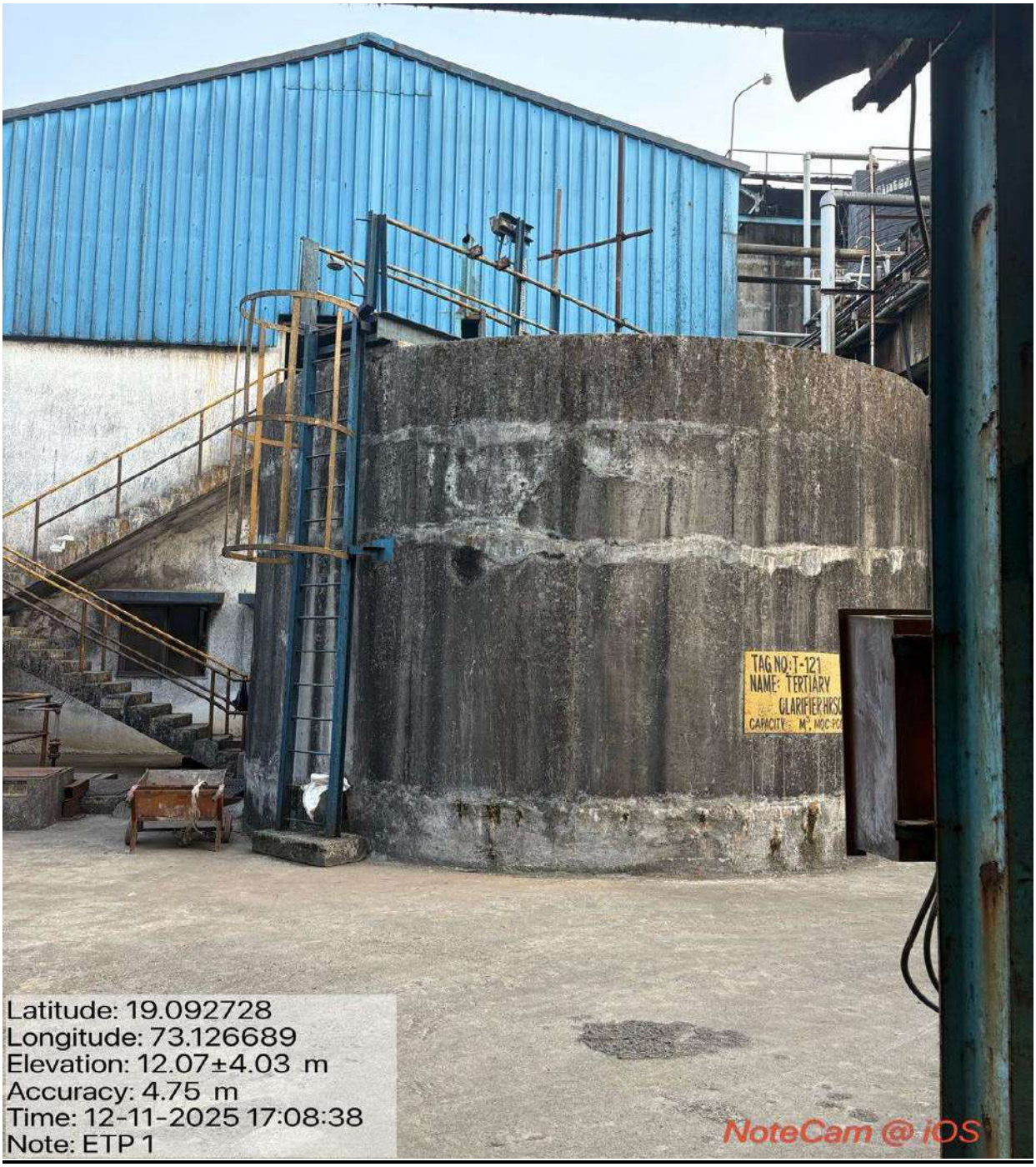
RO- 1 –


Latitude: 19.092627
Longitude: 73.126762
Elevation: 15.72±3.00 m
Accuracy: 19.07 m
Time: 12-11-2025 17:14:25
Note: ETP 8
NoteCam @ iOS

RO- 2-


ION EXCHANGE
Latitude: 19.092477
Longitude: 73.126542
Elevation: 15.75±3.00 m
Accuracy: 16.67 m
Time: 12-11-2025 17:15:49
Note: ETP 12
NoteCam @ iOS

UF AND RO BUILDING-



MEE PLANT-

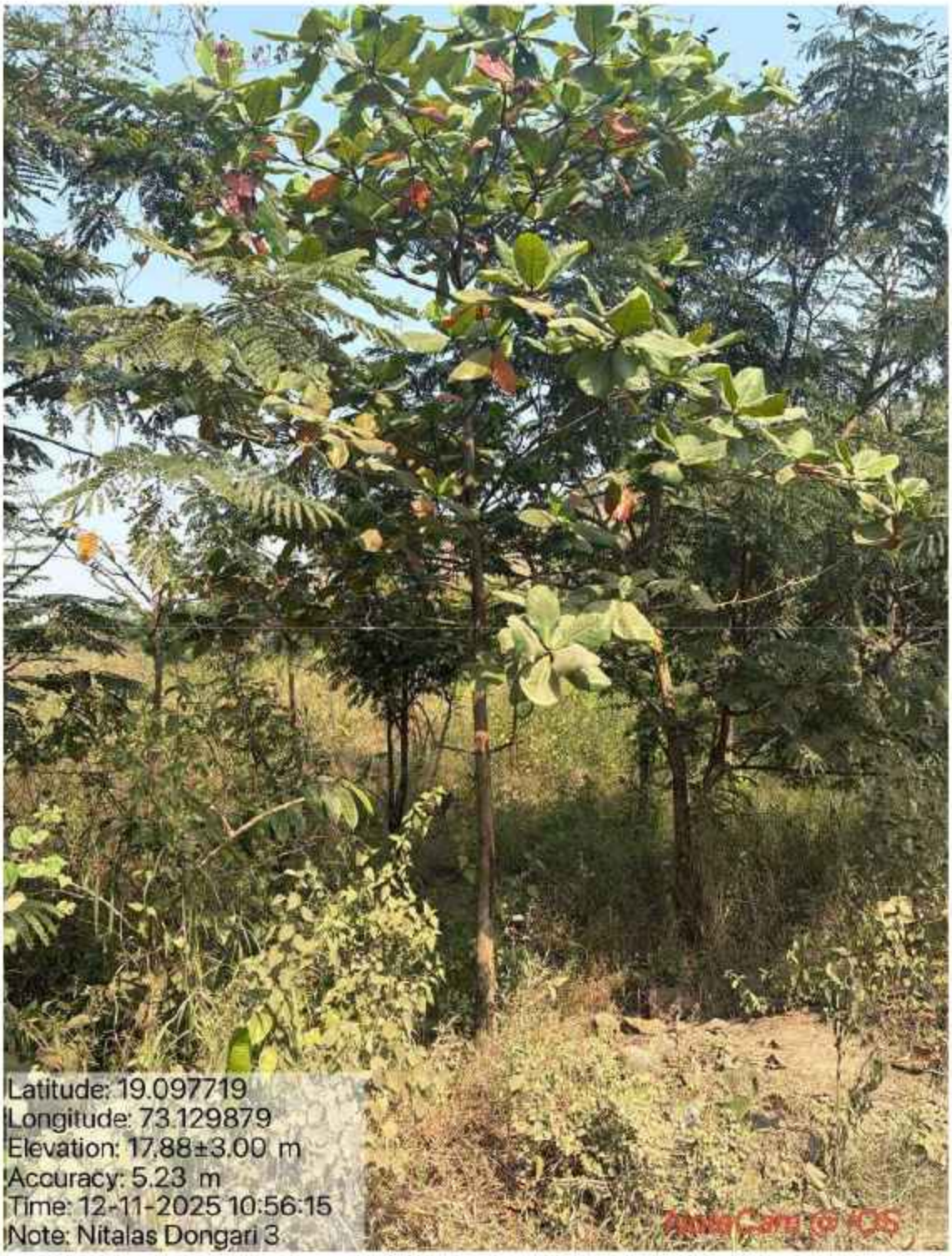

Latitude: 19.093005
Longitude: 73.125942
Elevation: 13.98±4.52 m
Accuracy: 4.81 m
Time: 12-11-2025 16:56:20
Note: MEE 2
NoteCam @ iOS

ANNEXURE – XXVI

TREE SURVIVAL REPORT PLANTED AT

NITLAS & GHOT CAMP

ANNEXURE – XXVI



ANNEXURE – XXVI

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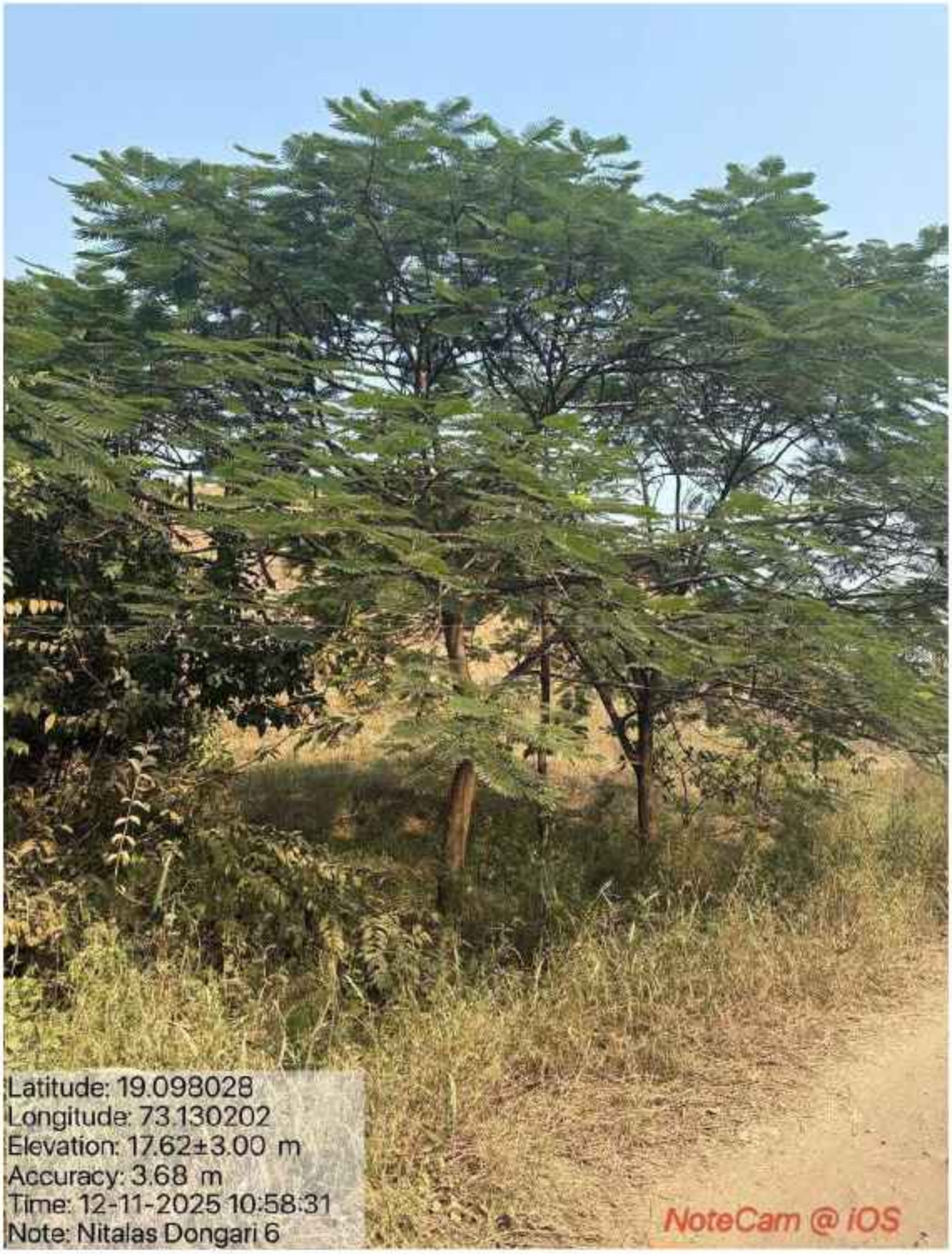

ANNEXURE – XXVI

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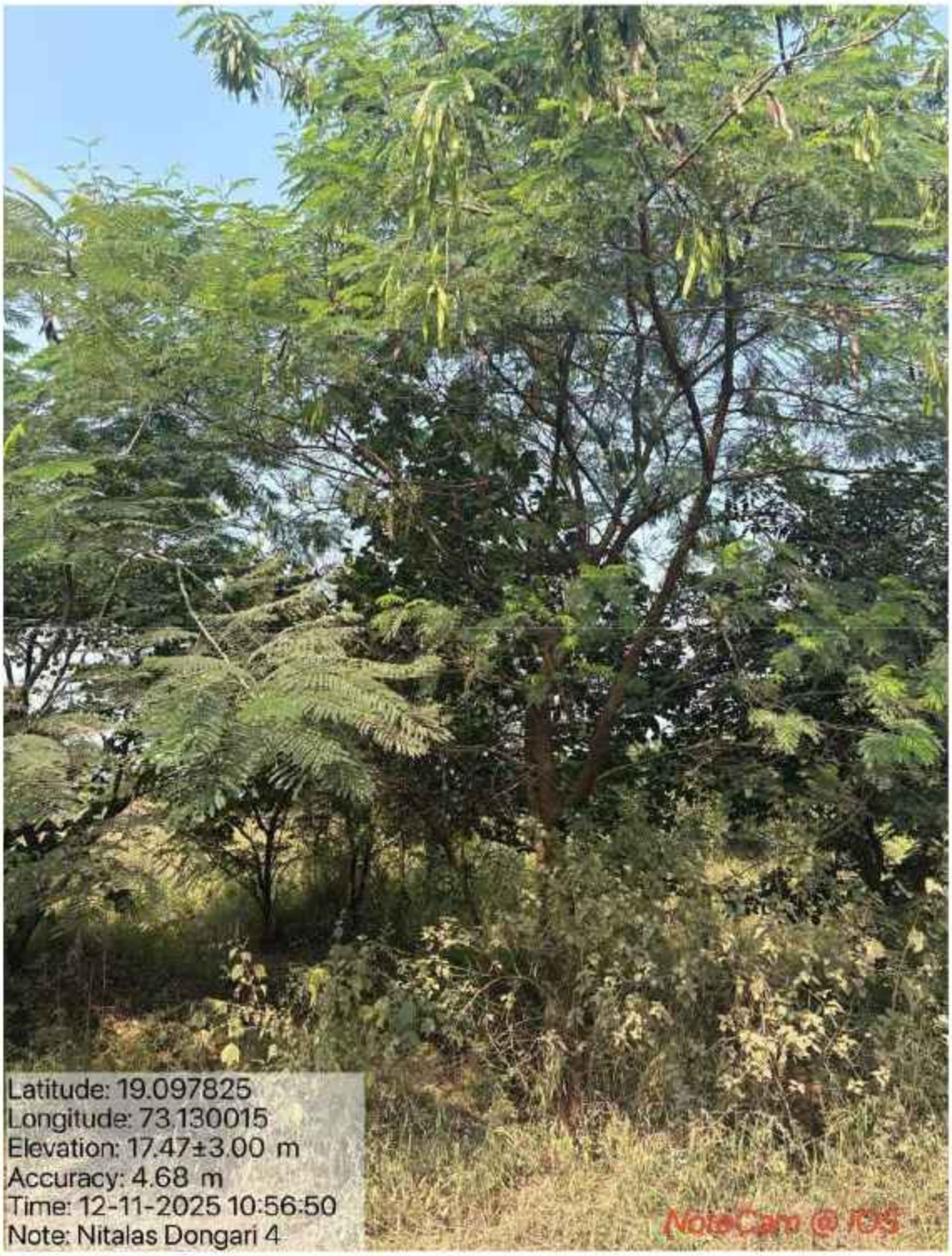
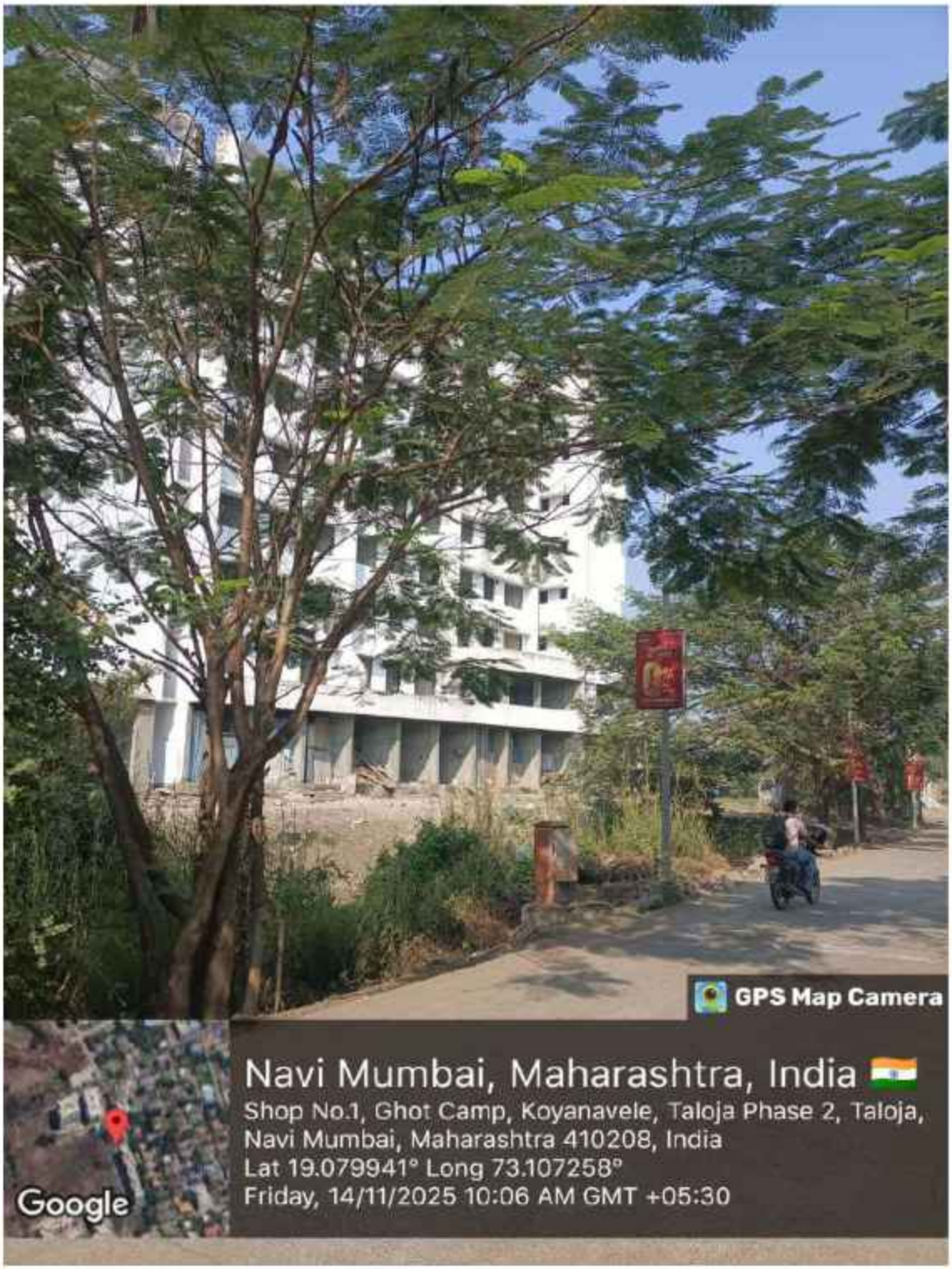


ANNEXURE – XXVI

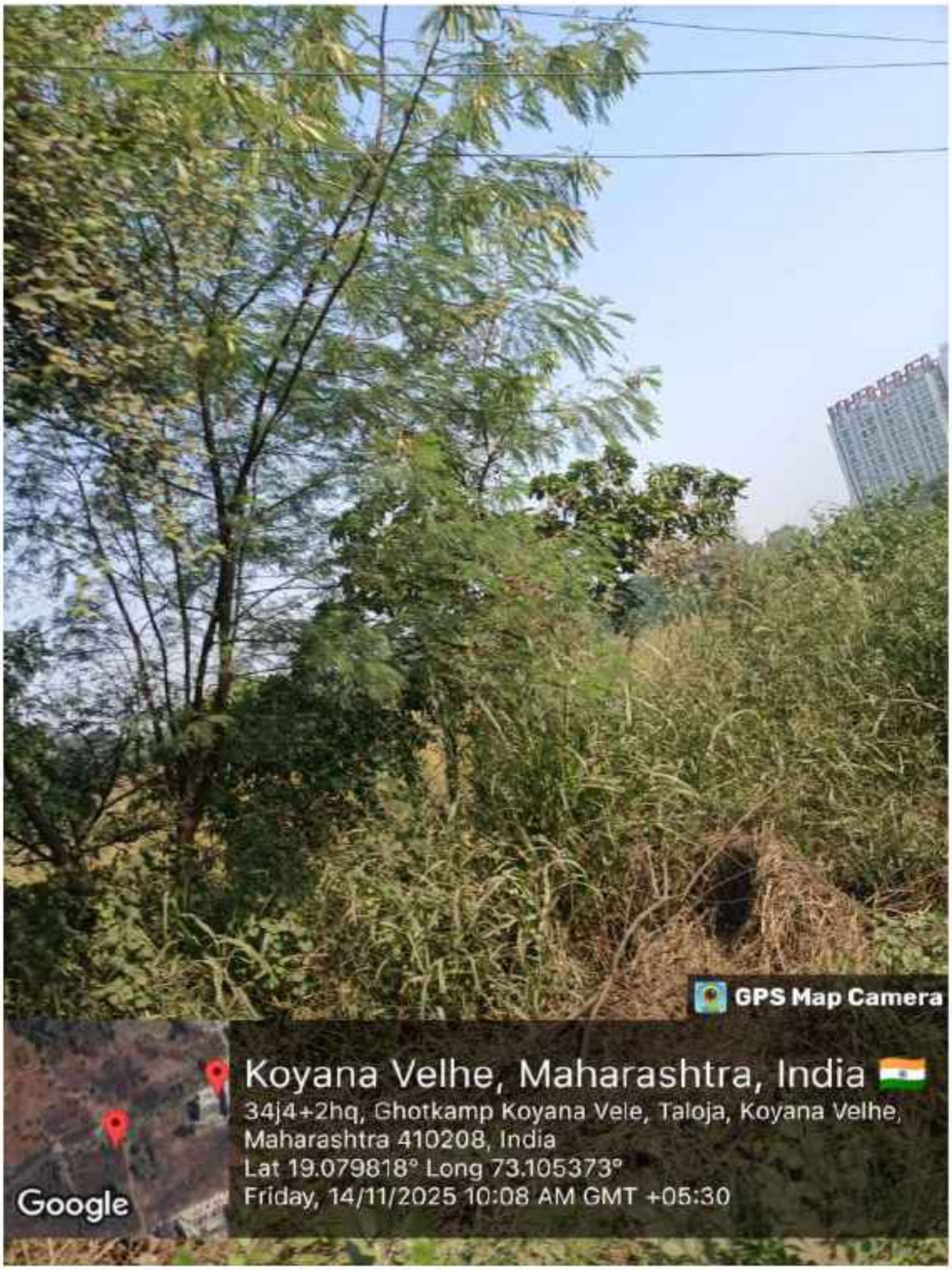
CIDCO / RAMKY ROAD

ANNEXURE – XXVI

ANNEXURE – XXVI

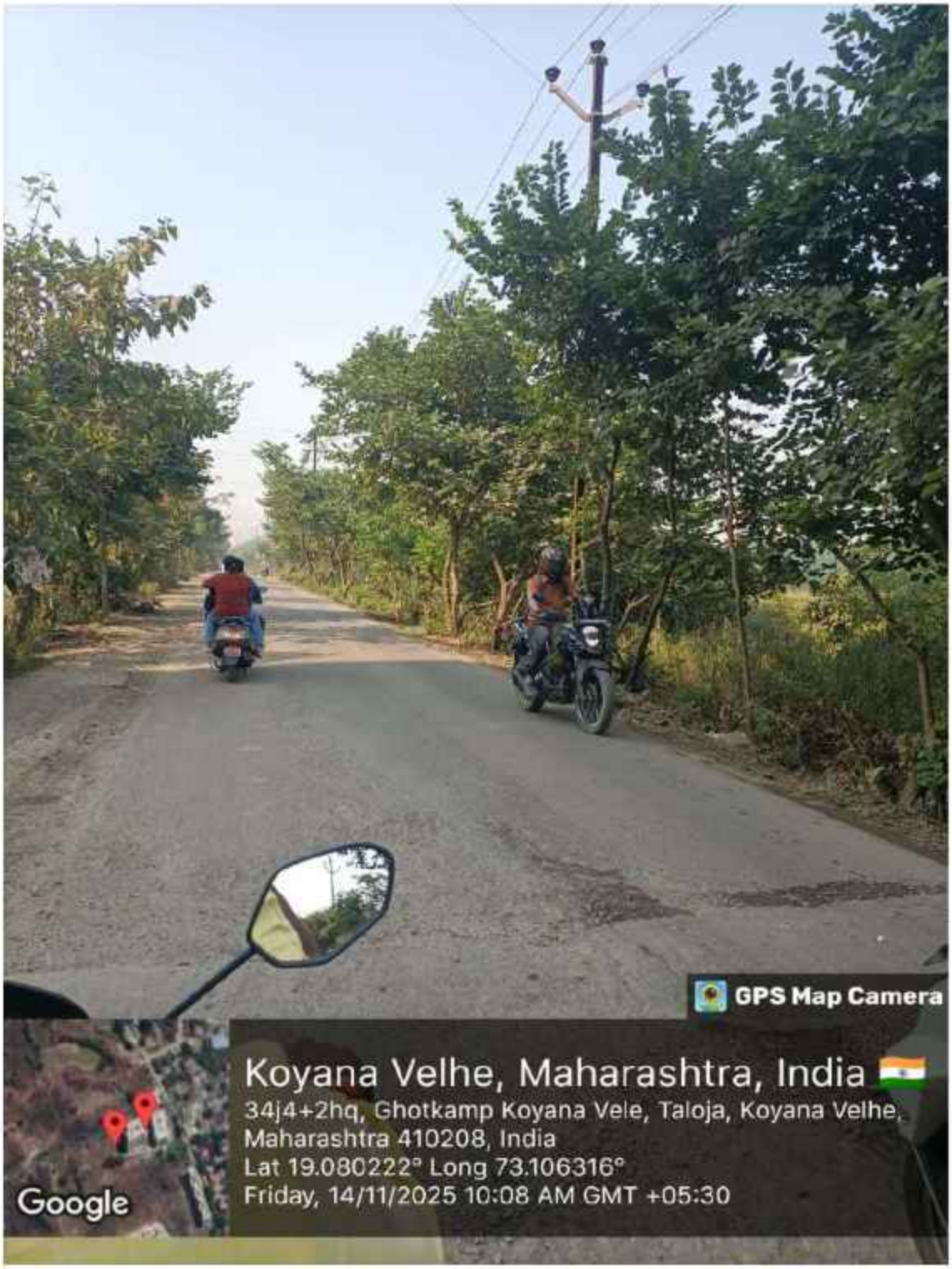


ANNEXURE – XXVI

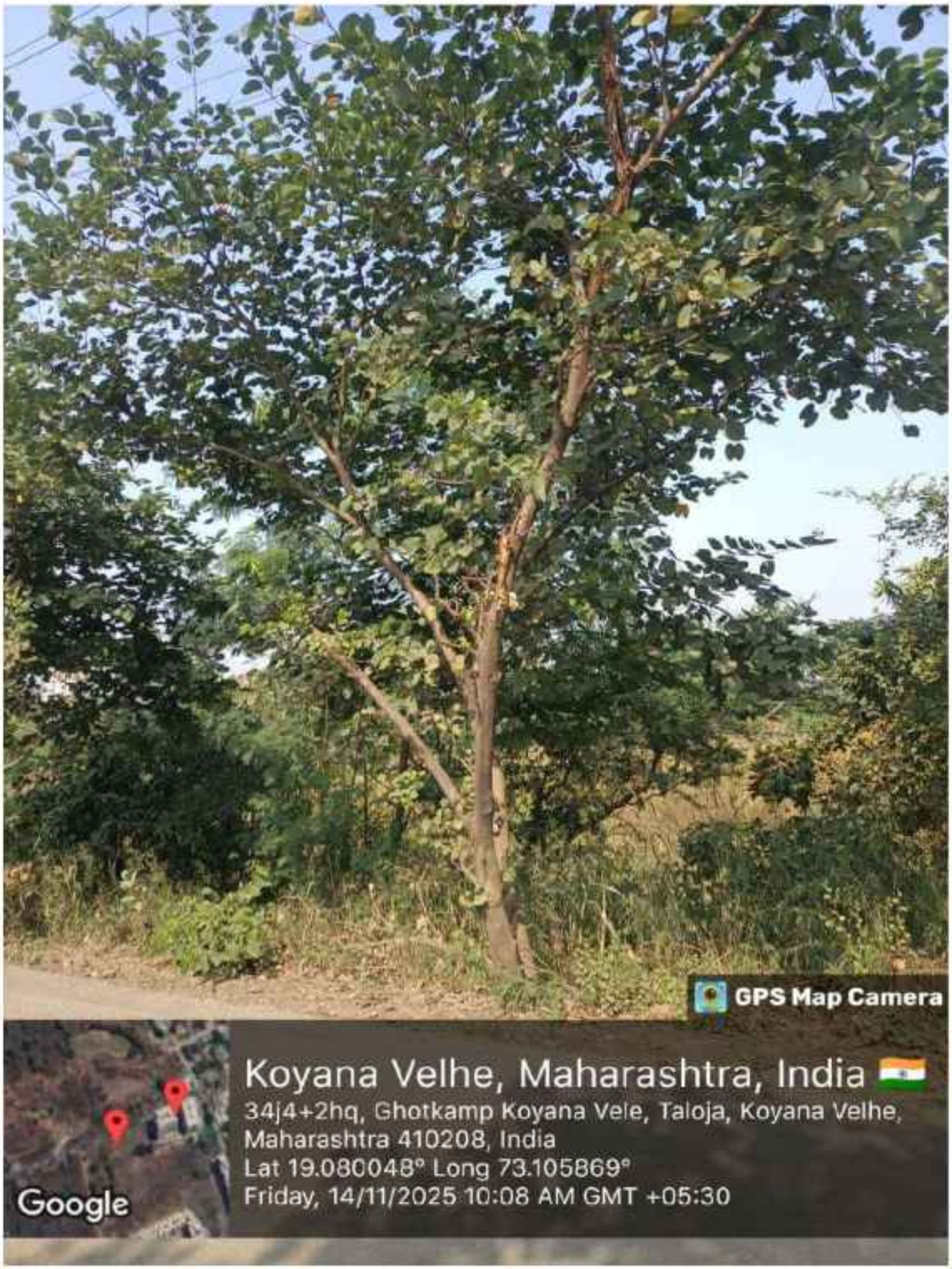


ANNEXURE – XXVI

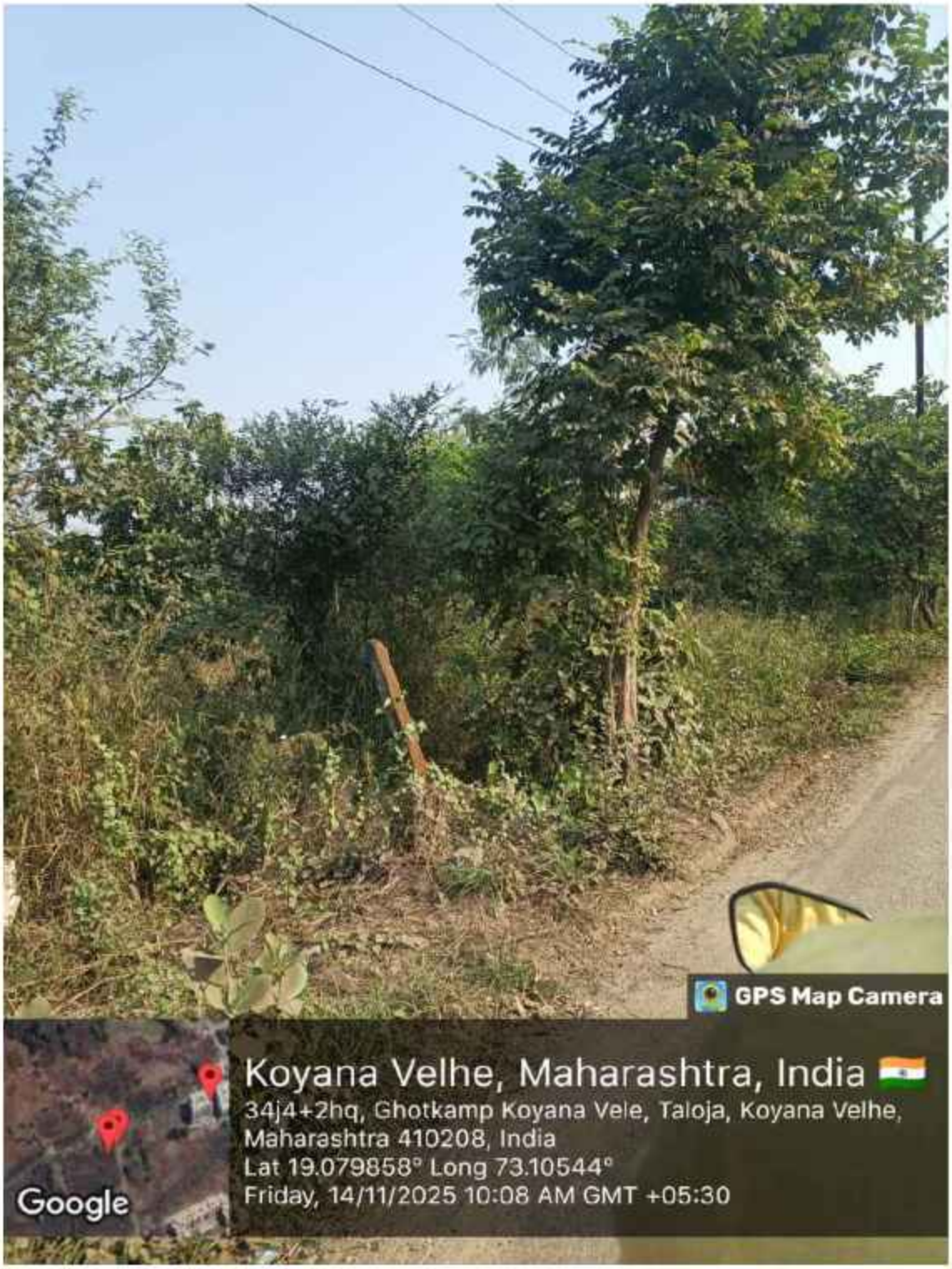
ANNEXURE – XXVI



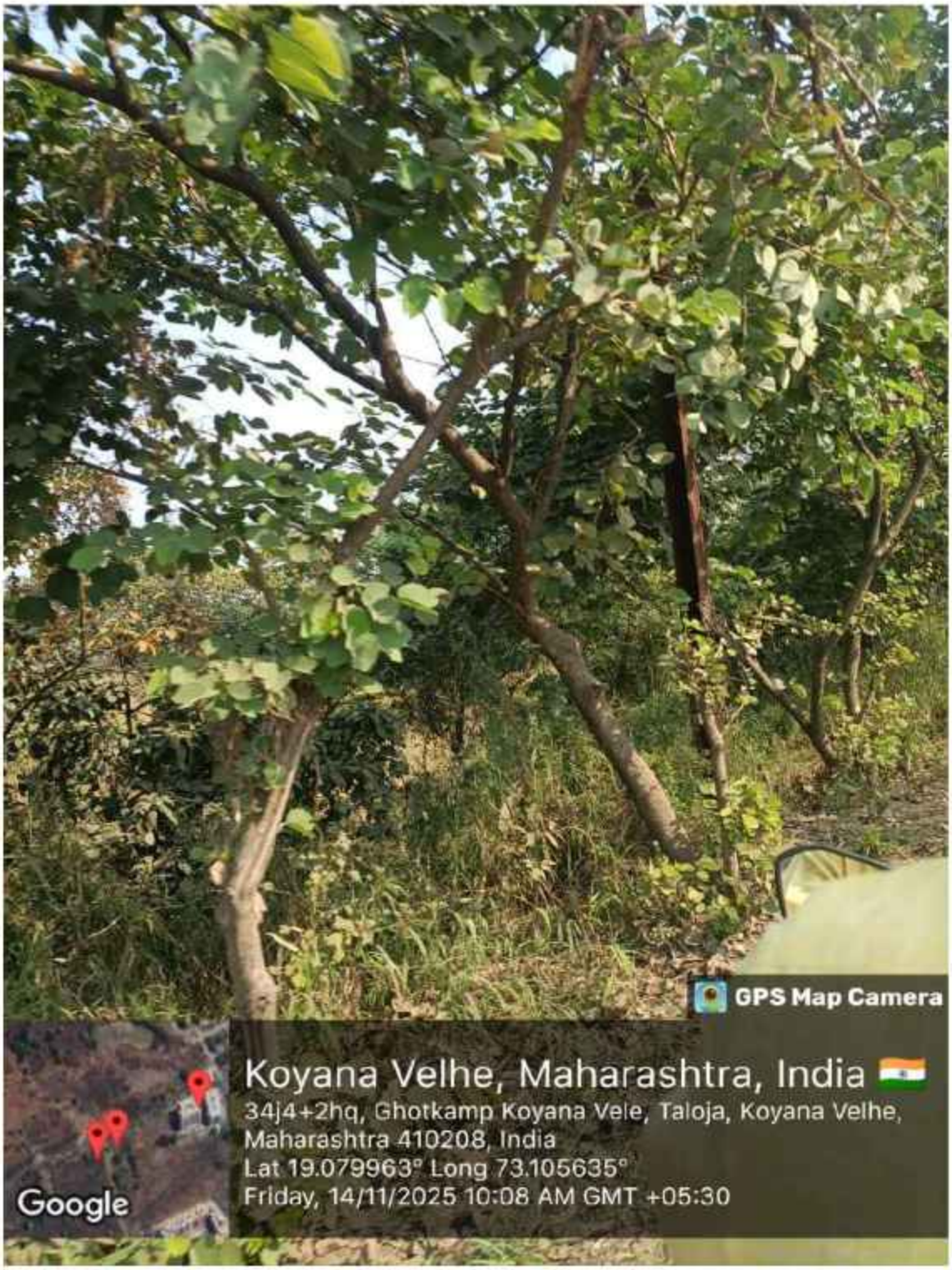
ANNEXURE – XXVI



ANNEXURE – XXVI

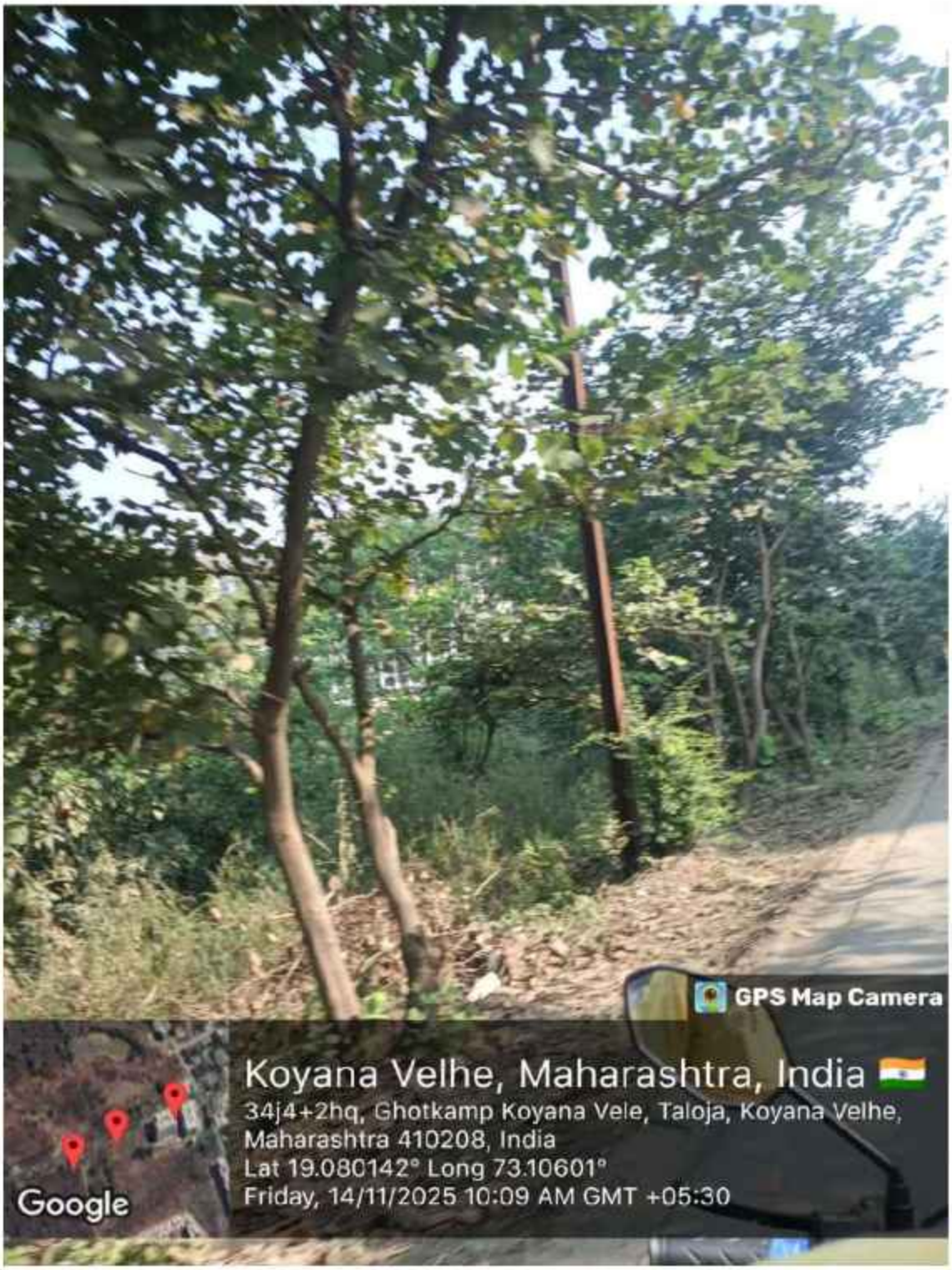


ANNEXURE – XXVI



ANNEXURE – XXVI

ANNEXURE – XXVI



ANNEXURE – XXVI

MIYAWAKI FOREST –

ANNEXURE – XXVI

ANNEXURE – XXVI

ANNEXURE – XXVI

ANNEXURE – XXVI

ANNEXURE - XXVII


Shot on OnePlus
By Podar


Shot on OnePlus
By Pudari


Shot on OnePlus
By Pudari


Shot on OnePlus
By Pudari

ANNEXURE - XXVIII

Solar Installation and School Infrastructure Upgrade
CER project of
IG Petrochemicals Ltd

Project Progress Report
5th March 2023 to 30th April 2023

Projected executed and Report Prepared by

ORIEARTH NATURE FOUNDATION

Project status summary

- Solar street lights installation fully completed in all 7 villages.
- Home lighting system sample installation completed and complete supply in place. This will be personally handed over to villagers during the project completion event
- Solar Lantern supply in place. This will be personally handed over to villagers during the project completion event
- School roof top solar – School roof top solar lights installation fully completed in all six schools.
- School upgradation civil works completed in all 6 villages.
- Recreational hall works completed in all 6 villages.
- Ground scrapping and Landscaping works completed in schools.
- Open gym equipment's installation fully completed in all 6 schools.

Solar Installation Completed

Project status summary

Educational aids supply to each school

- Seating benches for students
- Digital education kits
- Computers with projectors
- Water purifier system
- Art, Craft & Library
- Sports kits and play area development
- Audio system
- Landscaping

Civil works Completed

BEFORE - Dhamani Z.P School

AFTER - Dhamani Z.P School

Educational aids

Educational aids

Educational aids

Plan for completion

- Solar household Lights and Solar Lantern are ready to handover to identified villagers.
- The sign boards are ready for the installation, we will fix it on respective places before the inauguration.
- Artist have been painting School Murals.

We @ Oriearth believe that every action taken with a bigger vision of conservation, helps sustain life on our planet We are trustees for the next generation, and it is our joint responsibility to balance our ecology with economic development as these are not mutually exclusive

If we believe 'We can' then 'We will'

ORIEARTH
NATURE FOUNDATION

(Sec 12A, Sec 80G and CSR-1 registered)

CIN NO.: U8500PN2020NPL193980 I Registration No.: 193980
Address: 17/4, Mangal Nagar, Wakad Road, Thergoan, Pune-411033

info@oriearth.org www.oriearth.org +919619487376 / +919922684278

ANNEXURE - XXIX

I G PETROCHEMICALS LIMITED

Date : 17.11.2022

Ref : IGPL/HS/2022/PA-V

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. J-11011/73/2016-IA-II(I) dtd. 14.03.2022 and its amendment dtd. 06.10.2022 for our proposed expansion of project named as PA-V 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

(HARIHARAN S)
DY. GENERAL MANAGER (CORP-AFFAIRS)

Encl : As above

9/11/22

तांत्रिक सहायक-जनक पनवेल महानगरपालिका, रायगड.

Factory : Plot No.T-2, Taloja Industrial Area, MIDC, Taloja, Dist.: Raigad, Maharashtra - 410 208, India. Tel.: (91) 22-6847 9100 • Fax : (91) 22-2741 0192 • E-mail: taloja@igpetro.com
Corp. Office : 401-404, Raheja Centre, Free Press Journal Marg, 214, Nariman Point, Mumbai - 400 021, India. Tel.: (91) 22 - 4058 6100; Fax: (91) 22 - 2204 0747; E-mail: igpl@igpetro.com • Website : http://www.igpetro.com
Regd.Office : T-10, 3rd Floor, Jairam Complex, Mala, Neugi Nagar, Panaji, Goa-403 001, India Tel.: 0832 - 2434673 • Email : igplgoa@gmail.com • CIN : L51496GA1988PLC000915

ANNEXURE XXX

बँक ऑफ महाराष्ट्र
Bank of Maharashtra
A GOVT. OF INDIA UNDERTAKING
आझादीचा अमृत महोत्सव

एक पाऊल एक बँक

मुख्य कार्यालय: लोकमंगल, १५०१, शिवाजीनगर, पुणे - ४११००५
ॲसेट रिकव्हरी शाखा: जनमंगल, ४था मजला, ४५/४७, मुंबई समाचार मार्ग, फोर्ट, मुंबई - ४०००२३.
दू.: ०२२-२२१३०८८४, ईमेल: bom1450@mahabank.co.in / bmgr1450@mahabank.co.in
मुंबई दक्षिण झोन: रा मजला, जनमंगल, ४५/४७, मुंबई समाचार मार्ग, फोर्ट, मुंबई - ४०००२३.

कब्जा सूचना (स्थावर मिळकतीकरीता) (नियम ८(१))

ज्याअर्थी, निम्नस्वाक्षरीकारांनी **बँक ऑफ महाराष्ट्रचे** प्राधिकृत अधिकारी म्हणून सिक्युरिटायझेशन अँण्ड रिकन्स्ट्रक्शन ऑफ फायनान्शिअल असेट्स अँण्ड एन्फोर्समेंट ऑफ सिक्युरिटी इंटरेस्ट ॲक्ट, २००२ (५४ सन २००२) अन्वये आणि कलम १३(१२) सहावाचता सिक्युरिटी इंटरेस्ट (एन्फोर्समेंट) रूल्स, २००२ च्या नियम ३ अन्वये प्रदत्त केलेल्या अधिकारांचा वापर करून दिनांक **११/०७/२०१९** रोजी मागणी सूचना जारी करून कर्जदार मे. **पालखेचा पेटल एंटरप्राईजेस, श्री. पवन रूपचन्द जैन (प्रोप्रायटर) आणि श्रीम. मनिषा पवन जैन (हमीदार)** यांना सूचनेत नमूद रक्कम **रु. ३,१९,५८,६८२.८४ पै. (रुपये तीन कोटी अठरा लाख अठ्ठावन्न हजार सहाशे ब्याऐंशी आणि चौऱ्याऐंशी पैसे मात्र)** अधिक ११/०७/२०१९ पासून परिगणनासह ह.सा. १२.९५ दराने त्यावरील व्याज जमा वसुली जर काही असल्यास या रकमेची परतफेड सदर सूचना प्राप्त झाल्याच्या तारखेपासून ६० दिवसांत करण्यास सांगितले होते.

कर्जदार यांनी सदर रकमेचा भरणा करण्यास कसूर केली असल्याने कर्जदार/हमीदार आणि सर्वसाधारण जनतेला सूचना याद्वारे देण्यात येत आहे की, येथे खालील नमूद मिळकतीचा प्रत्यक्ष कब्जा सरफैसी ॲक्टच्या कलम १३ च्या तरतुदींअंतर्गत जिल्हा दंडाधिकाऱ्यांच्या निहित शक्तीच्या अधिपत्याखाली सिक्युरिटायझेशन अँड अ. ३२४/२०२० अधीन सन्मानीय अतिरिक्त जिल्हा दंडाधिकारी, ठाणे यांच्याद्वारे पारित दिनांक २९/०७/२०२१ रोजीच्या आदेशानुसार अन्य मंडळ अधिकारी, भिवंडी, जिल्हा ठाणे यांनी घेतला आणि सदर ॲक्टचे कलम १३ चे उप-कलम (४) सहावाचता सिक्युरिटी इंटरेस्ट (एन्फोर्समेंट) रूल्स, २००२ च्या नियम ८ अन्वये बँक ऑफ महाराष्ट्राच्या प्राधिकृत अधिकाऱ्याकडे १० मार्च, २०२२ रोजी सुपूर्द केला.

विशेषत: कर्जदार/हमीदार आणि सर्वसामान्य जनतेला याद्वारे इशारा देण्यात येत आहे की, त्यांनी सदर मिळकतीस देवघेवीचा व्यवहार करू नये आणि मिळकतीस केलेला देवघेवीचा कोणताही व्यवहार हा **बँक ऑफ महाराष्ट्र**च्या वरील नमूद रक्कम आणि त्यावरील व्याजाच्या प्रभाराच्या अधीन राहील.

तारण मत्तांच्या विमोचनाकरिता उपलब्ध वेळेत ॲक्टचे कलम १३ चे उप-कलम ८ च्या तरतुदीनुसार कर्जदार/हमीदारांचे लक्ष वेधण्यात येत आहे.

स्थावर मिळकतीचे वर्णन

शाखा क्र. जी-३ बी, इमारत क्र. ९-३, आर्या कंपाऊंड, गाव राहनाळ, तालुका भिवंडी, ठाणे.
शाखा क्र. जी-३ आणि जी-४, इमारत क्र. ९-३, आर्या कंपाऊंड, गाव राहनाळ, तालुका भिवंडी, ठाणे.
शाखा क्र. जी-५, इमारत क्र. ९-३, आर्या कंपाऊंड, गाव राहनाळ, तालुका भिवंडी, ठाणे.
शाखा क्र. जी-६, इमारत क्र. बी-३, आर्या कंपाऊंड, गाव राहनाळ, तालुका भिवंडी, ठाणे.

सही/-
दिनांक: १०/०३/२०२२ — प्राधिकृत अधिकारी आणि मुख्य व्यवस्थापक
ठिकाण: भिवंडी — बँक ऑफ महाराष्ट्र, ॲसेट रिकव्हरी शाखा, मुंबई.

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जाहीर सूचना

प्लॉट क्रमांक टी-२, वी-४५, बी-११ ते १४, टी-२/१, टी-१, तळोजा एम.आय.डी.सी., जिल्हा रायगड, महाराष्ट्र येथील आय.जी. पेट्रोकेमिकल लि. द्वारा पेट्रोकेमिकल उत्पादन निर्मिती विस्ताराच्या प्रकल्पाला पर्यावरण, वन आणि हवामान बदल मंत्रालय, भारत सरकार (MoEF & CC), ओळख पत्र क्र. EC22A020MH142817, फाइल क्र. J-11011/73/2016-IA-II(I), दिनांक १४ मार्च २०२२ द्वारे मान्यता दिली आहे.

सदर पर्यावरणीय समंती पत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे तसेच मंत्रालयाच्या पर्यावरणीय विभागाच्या https://parivesh.nic.in या संकेत स्थळावर उपलब्ध आहे.

स्थळ : मुंबई
दिनांक :१६/०३/२०२२

महाराष्ट्र शासन
महसूल व वन विभाग
उपसंचालक भूमि अभिलेख, कोकण प्रदेश,
मुंबई यांचे कार्यालय
डी. डी. बिल्डींग, १ ला मजला, जुने जकात घर, शहीद भगतसिंह मार्ग, फोर्ट मुंबई- ४०००२३.
दूरध्वनी क्र. २२६६०५२, २२७०१७१८
ई-मेल: ddrrmumbai@gmail.com

जाहीर नोटीस

क्र. अपील/दुरुस्ती/वाद अर्ज क्र.१/२०२१
मुंबई, दिनांक :- १०/०३/२०२२

प्रति
भारतीय कम्प्युटर्स प्रा.लि. करिता डायरेक्टर श्री. गोपालगीर भारीया (७२, अपोली, मेट्रल ऑक्सल, हरीओम केमिस्ट्रासी, मांडाळुळ (प.) मुंबई ४०००५४ .....अपीलदार

विरुध्द

१) राकेश भाईलाल वैद्य (मयत) नागल
१अ) निल राकेश वैद्य (१अ) मनिष राकेश वैद्य
रा. ए/१०१, पंचम कुंज अपार्टमेंट, मालाडपाडा (पू) ठाणे
१ब.१०१,पिन्टो अपार्टमेंट आकुर्ट लेन, अंधेरी (पू), मुंबई ४०००९९
२) श्रीम. जोन्सा रमेश संघवी डवे
जोन्सा भाईलाल वैद्य, रा. ३, राम निवास, पै नगर, गोरेगाव (पू), मुंबई ४०००६१
३) हिंदालको वेंडालल कारनामल उर्फ हिंदालको भाऊसीया लक्ष्मीदास
राज आशिष को. ही. सो. चाळ, एम. जी. रोड, कांदिवली (पू),मुंबई ४०००६७
४) नगर भूमापन अधिकारी, मालाड
५) जिल्हा अधीक्षक भूमि अभिलेख, मुंबई उपनगर जिल्हा

महाराष्ट्र जमीन महसूल अधिनियम ११६६ अधीन कलम ५०

अन्वये पुनरीक्षण अर्ज

अर्जदार यांनी नगर भूमापन मालाड (प.), ता. बोरीवली, जि. मुंबई उपनगर येथील न.भू.क्र.२३, २३/१, २३/३ ते २३/५ या मिळकतीबाबत, जिल्हा अधीक्षक भूमि अभिलेख, मुंबई उपनगर यांकडेदाखल दि.२९/०६/२०२१ रोजीचे निर्णयाविरुध्द पुनरीक्षण अर्ज दाखल केला. अशा त्यापरीत जाहीर नोटीसने कळविण्यात आले की, दि. २५/०१/२०२१ रोजीच्या आगाम नोटीसने कळविल्याप्रमाणे वादकार यांना त्यांचे पुरावा पाठविलेली सुनावणीची नोटीस बजावली गेली असल्याचेही. तसेच पुनरीक्षण अर्ज क्र. ३/३/२०२१,१/१/२०२२ रोजीच्या सुनावणीस जाबदार हे गैरहजर असल्याने सदरच्या मिळकतीबाबत जाबदार यांनी अशा त्यांच्या कायदेशीर वारसाने किंवा त्यांचे प्रतिनीधी यांनी दि.३०/०३/२०२२ रोजी सकाळी दहा ११.००वाजता या दिवशीसमोर हजर राहून आपले म्हणणे मांडावे, अन्यथा त्यांचे काही म्हणने नाही असे समजून त्यांचे अनुपस्थितीत पुनरीक्षण अर्जाची सुनावणी पेण्डात घेतल व वेळात जर्जेल याची नोंद घ्यावी.

जाबदार यांनी अथवा त्यांचे कायदेशीर वारस यांना प्रस्तुत पुनरीक्षण अर्ज प्रकरणी सुनावणीकामी हजर राहणेसाठी सदरची वरील नोटीस प्रसिध्द केली असे.

(SEAL)
सही/-
(विलिप चव्हाण)
उपसंचालक भूमि अभिलेख, कोकण प्रदेश मुंबई

मंगलम ड्रग्स अँण्ड ऑर्गेनिक्स लिमिटेड

MANGLAM

नोंदणीकृत कार्यालय: ३रा मजला, भाग्य विनायक, २१९, नी. जीजीभॉय रोड, जी.पी.ओ. जवळ, मुंबई - ४०० ००१. CIN: L24230MH1972PLC115413

टपाल मतदान आणि दूरस्थ ई-मतदानाबाबतच्या माहितीची सूचना

सभासदांना येथे सूचित करण्यात येते की, कंपनी कायदा २०१३ (ॲक्ट) च्या कलम १०८, ११० आणि इतर लागू तरतुदीनुसार तसेच कंपनी (व्यवस्थापन आणि प्रशासन) नियम २०१४ (नियम) मधील नियम २० आणि २२ तसेच कॉर्पोरेट व्यवहार मंत्रालयाचे (एमसीए) ८ एप्रिल २०२० चे सर्वसाधारण परिपत्रक क्रमांक १४/२०२०, १३ एप्रिल २०२० चे सर्वसाधारण परिपत्रक क्रमांक २२/२०२०, १७/२०२०, १५ जून २०२० चे सर्वसाधारण परिपत्रक क्रमांक ३३/२०२०, ३१ डिसेंबर २०२० चे सर्वसाधारण परिपत्रक क्रमांक ३९/२०२०, २३ जून २०२१ चे सर्वसाधारण परिपत्रक क्रमांक १०/२०२१ आणि ८ डिसेंबर २०२१ चे सर्वसाधारण परिपत्रक क्रमांक २०/२०२१ (यापुढे एकत्रित उल्लेख एमसीए परिपत्रके असा) तसेच सेबी (LODR) नियमावली २०१५ चे नियम ४४ (काही वैधानिक फेरफार किंवा त्यामध्ये सध्या अंमलात असलेल्या पुनर्अधिनियमांसह) यांच्या एकत्रित वाचनासह, १० मार्च २०२२ च्या टपाल मतदान सूचनेत नमूद केल्याप्रमाणे, कंपनीच्या सभासदांची केवळ दूरस्थ ई-मतदानाच्या माध्यमातून टपाल मतदानाआधारे खालील ठरावासंदर्भात मान्यता घेण्यात येत आहे.

1. श्री राकेश के. निलवानी (डीआयएन: ०१९९५४६९) यांची कंपनीच्या गैर-कार्यकारी गैर-स्वतंत्र संचालकपदी नियुक्ती करणे

टपाल मतदानाची सूचना स्पष्टीकरणात्मक विधानासह कंपनीच्या www.mangalamdrugs.com, नॅशनल सिक्युरिटीज डिपॉझिटरी लिमिटेडच्या ('NSDL) www.evoting.nsdl.com, बीएसई लिमिटेडच्या www.bseindia.com तसेच नॅशनल स्टॉक एक्सचेंज ऑफ इंडिया लिमिटेडच्या (NSE) www.nseindia.com या संकेतस्थळावर उपलब्ध आहे.

सदस्यांना याद्वारे कळविण्यात येते की:

१. कंपनीने मंगळवार, १५ मार्च २०२२ रोजी सभासदांना ई-मेलद्वारे सूचना पाठवण्याचे काम पूर्ण केलेले आहे.

२. दूरस्थ ई-मतदान सुविधेचा लाभ घेण्यासाठी सदस्यांच्या पात्रता पडताळणीची अंतिम मुदत (कट-ऑफ) शुक्रवार, ११ मार्च, २०२२ पर्यंत आहे. ज्या सदस्याचे नाव कंपनीच्या सभासद नोंदणीपुस्तकामध्ये किंवा डिपॉझिटरीजद्वारे सांभाळलेल्या जाणाऱ्या लाभार्थी मालकांच्या रजिस्टरमध्ये अंतिम गुदतीच्या तारखेपर्यंत (कट-ऑफ) नोंदवलेले असेल तेच सदस्य दूरस्थ ई-मतदान सुविधेचा लाभ घेण्यास पात्र राहतील. कट-ऑफ तारखेपर्यंत सभासद नसलेल्या व्यक्तीने ही सूचना केवळ त्याच्या माहितीस्तव असल्याचे समजावे.

३. एमसीए परिपत्रकांच्या आवश्यकतांचे पालन करून, सूचनेची छापील प्रत, टपाल मतदान पत्रिका आणि उत्तरासाठीचा प्री-पेड लिफाफा सदर टपाल मतदानासाठी सभासदांना पाठवण्यात आलेला नाही. सभासदांनी त्यांचा होकार अथवा नकार हा केवळ दूरस्थ ई-मतदान पध्दतीतूनच कळवायचा आहे. सभासदांना दूरस्थ ई-मतदान सुविधा प्रदान करण्याच्या उद्देशाने कंपनीने नॅशनल सिक्युरिटीज डिपॉझिटरी लिमिटेड ("NSDL") ची सेवा घेतामा त्यांची या कार्यासाठी एजन्सी म्हणून नियुक्ती केलेली आहे.

४. दूरस्थ ई-मतदानाच्या प्रक्रियेची तपशीलवार पध्दत/ विविध सूचना कंपनीच्या नोटीसमध्ये नमूद करण्यात आलेल्या असून अद्यापपर्यंत ज्या सदस्यांनी त्यांचे ईमेल पत्ते नोंदणीकृत केलेले नाहीत ते त्यांच्या ईमेल पत्याची नोंदणी कशा पध्दतीने करू शकतात आणि/किंवा त्यांचे मत कसे देऊ शकतात याचीही

ICICI Bank

शाखा कार्यालय: आयसीआयसीआय बँक लि., कार्यालय क्रमांक २०१-बी, २ रा मजला, रोड क्र. १, प्लॉट क्र- बी३, वायफाय आयटी पार्क, वागळे इंडस्ट्रियल इस्टेट, ठाणे, महाराष्ट्र-४००६०४.

खालील कर्जदारांनी बँकेकडून त्यांनी घेतलेल्या कर्ज सुविधेची मुद्दल आणि व्याजाचा परतावा करण्यात कसूर केलेली आहे आणि कर्ज नॉन परफॉर्मिंग ॲसेट्स (एनपीए) म्हणून वर्गीकृत झाले आहे. खालील नमूद तारखेची सूचना सिक्युरिटायझेशन अँन्ड रिकन्स्ट्रक्शन ऑफ फायनान्शियल ॲसेट्स अँन्ड एन्फोर्समेंट ऑफ सिक्युरिटी इंटरेस्ट ॲक्ट, २००२ च्या कलम १३(२) अन्वये त्यांनी दिलेल्या त्यांच्या शेवटच्या ज्ञात पत्त्यावर त्यांना जारी करण्यात आली, तथापि ती न बजावता परत आली म्हणून त्यांना सदर जाहीर सूचनेद्वारे कळविण्यात येत आहे.

अ. क्र.	कर्जदार/सह-कर्जदार/ हमीदाराचे नाव/ (कर्ज खाते क्रमांक) आणि पत्ता	तारण मत्तेच्या मिळकतीचा पत्ता/ अंमलबजावणीयोग्य मत्ता	सूचना पाठविल्याची तारीख/ सूचनेच्या तारखेस थकबाकी	एनपीए तारीख
१.	केदार श्रीकृष्ण कासार/ कांचन केदार कासार - सी-१२, स्वानंद सोसायटी, लेन क्र. ३, सहकार नगर क्र. २, शेवटच्या बस स्टॉपच्या पुढे, सहजीवन नगर, पुणे, महाराष्ट्र ४११००९/ एलबीएनएस०००४४९४८९५४	कार्यालय क्र. एफ-३, १ला मजला, टाईम स्क्वेअर, प्लॉट क्र. १, अंतिम प्लॉट क्र. २७१, स. क्र. ४२४/३, हॉटेल मथुराच्या पुढे, भारत पेट्रोल पंप जवळ, द्वारका, जि. नाशिक, महाराष्ट्र ४२२००१	फेब्रुवारी ०९, २०२२/ रु. ७५,४९,०४५/-	३०/०९/ २०२१
२.	रविंद्र शंकर देसाई/ तृप्ती रविंद्र देसाई - बी-१/१०२, आनंद सागर एनक्लेव, आधारवाडी जेल रोड, कल्याण (पश्चिम), ठाणे, महाराष्ट्र/ एलबीएमयु००००४९६४९८८	फर्स्ट क्र. १५०३, १५वा मजला, बी विंग, भगवती प्रीन्स - III , प्लॉट क्र. ३, सेक्टर २३, गाव खारघर, नवी मुंबई, जि. रायगड, महाराष्ट्र ४१०२१०	फेब्रुवारी २५, २०२२/ रु. १,४२,१८,८०९/-	३१/०१/ २०२१
३.	अनिरुद्ध संतोष गांधी/ नेहा अनिरुद्ध गांधी - फ्लॅट क्र. ९०४, ९वा मजला, रश्मी हाईट्स सीएचएसएल, दयाभाई पटेल रोड, नगरपालिका हॉस्पिटल समोर, मालाड (पूर्व), मुंबई, महाराष्ट्र ४०००९७/	आय.टी. युनिट क्र. ४०७, ४था मजला, जसवंती अलाईड बिझनेस सेंटर, सी विंग, रामचंद्र लेन, एक्स्टेंशन रोड, मालाड इंडस्ट्रियल इस्टेट जवळ, कांचपाडा, गाव वळनाई, मालाड (पश्चिम), मुंबई, महाराष्ट्र ४०००६४	फेब्रुवारी २२, २०२२/ रु. १,०९,०१,८३५/-	३१/०१/ २०२१

PUBLIC NOTICE

PLEASE TAKE NOTICE that MR. RAO PRAKASH VASUDEVA and MRS. SHYAMALA HERLE, are the legal owners of FLAT NO. 602 admeasuring 757 sq. ft. Built Up Area on the 6TH FLOOR, of the building known as "KRISHNA" in "KRISHNA GODAVARI CO-OPERATIVE HOUSING SOCIETY LIMITED" situated at SUCHIDHAM FILM CITY ROAD, MALAD EAST, MUMBAI 400097, constructed on all that piece or parcel of land bearing CTS No. 159 of Village : DINDOSHI, Taluka : BORIVALI in Mumbai suburban district (hereinafter referred to as "the said flat") along with total five shares of face value of Rs. 50/- each issued by KRISHNA GODAVARI CO-OPERATIVE HOUSING SOCIETY LIMITED, ("the said society") bearing Distinctive Nos. 91 to 95 (both inclusive), vide Share Certificate No. 19 ("the said shares").

Whereas MR. P. V. RAO was the owner of the said flat, which was allotted to him by M/S. RITA ENTERPRISES.

Whereas MR. P. V. RAO holding 100% undivided share of the said flat expired on 25TH MARCH 1997 and MRS. RADHA V. RAO (wife and sole nominee of MR. P. V. RAO) became the legal owner of the said flat MRS. RADHA. V. RAO expired on 12TH JUNE 2021 leaving behind her only son MR. RAO PRAKASH VASUDEVA and her only daughter MRS. SHYAMALA HERLE as her only nominees as well as the only legal heirs for the said flat.

Now my clients MR. RAO PRAKASH [illegible] MRS. SHYAMALA HERLE [illegible]

सार्वजनिक सूचना

सर्वसंबंधित असलेल्या सगळ्यांना येथे असे सूचित करण्यात [illegible] लिझिंग अँण्ड फायनान्शियल सर्व्हिसेस लिमिटेड (आयएल (भारतीय) कंपनी कायदा, १९५६च्या अंतर्गत निर्माण केले कंपनी दाखला, २०१३ नुसार कंपनीचे नोंदणीकृत कार्या फायनान्शियल सेंटर, ३रा मजला, प्लॉट सी-२२, जी ब्लॉक मुंबई- ४०० ०५१ ('कंपनी') असून त्यांच्याकडून मूळ टा हरविले/गहाळ झाले आहेत (खालील **प्रथम अनुसूची** अं सी-२२ 'जी' ब्लॉक बांद्रा-कुर्ला कॉम्प्लेक्स सी.टी.एस अंधेरी, जिल्हा उपनगर मुंबईचा भाग आणि/किंवा विभ जमीनीच्या आणि त्यावरील इमारतीसह पालो 'द आयए ('नमूद मालमत्ता') आणि **दुसऱ्या अनुसूचीमध्ये** नमूद केल आणि त्याबद्दलचे कागदपत्र शोधूनही सुद्धा सा कोणत्याही पक्ष किंवा व्यक्तीजवळ या मालमत्तेसंबंधित किंवा टायटल डीड आणि दस्तावेज उपलब्ध असल्यास ही माहि खालील पत्त्यावरती ते आणून द्यावे:-

इन्फ्रास्ट्रक्चर लिझिंग अँण्ड फायनान्शियल सर्व्हिसेस लि द आयएल अँण्ड एफएस फायनान्शियल सेंटर, ३रा मज कॉम्प्लेक्स, बांद्रा पूर्व, मुंबई- ४०००५१

कृपया पहिल्या अनुसूचीचा खाली (मूळ टायटल डीड आणि ऑर्डर ह

क्र.	हरविलेल्या/गहाळ झालेल्या दस्तावेजांची मा
१)	३० सप्टेंबर २००१ रोजी केले गेलेले सेल्स डी उप-नोंदणी कार्यालय बांद्रा येथे बीडीअ ८५५०/२००१ क्रमांका अंतर्गत इन्फ्रास लिझिंग अँण्ड फायनान्शियल सर्व्हिसेस लि (विक्रेता) आणि आयएल अँण्ड एफएस मर्चंट सर्व्हिसेस लिमिटेड (तेंव्हाचे खरेदीकार) दरम्यान करण्यात आले.
२)	३० सप्टेंबर २००१ रोजी केले गेलेले सेल हे उप-नोंदणी कार्यालय बांद्रा येथे बी ९०२६/२००१ क्रमांका अंतर्गत इन्फ्र लिझिंग अँण्ड फायनान्शियल स लिमिटेड (विक्रेता) आणि इन्फ्रास्ट्रा लिमिटेड (तेंव्हाचे खरेदीकार) यांच्या करण्यात आले.
३)	३० सप्टेंबर २००१ रोजी केले गेलेले से उप-नोंदणी कार्यालय बांद्रा येथे ब ९०७०/२००१ क्रमांका अंतर्गत इ लिझिंग अँण्ड फायनान्शियल स (विक्रेता) आणि आयएल अँण्ड ए मॅनेजमेंट कंपनी लिमिटेड (तेंव्हाचे यांच्या दस्त्यात करण्यात आले.
४)	इन्फ्रास्ट्रक्चर इंडिया लिमिटेड (याचि आयएल अँण्ड एफएस मर्चंट बँकिंग सर्व्हि आणि देबॉन नेट इंडिया लिमिटेड (प्रति याचिका क्रमांक ५७०/२००२ या या ऑगस्ट २००२ रोजी मुंबई उच्च न्यायव्यवस्थेद्वारे निर्णायक/ मूळ प्र हुकूम देण्यात आला. या ५ ऑगस्ट दिलेल्या हुकमानुसार नमूद आवार एफएस इन्व्हेस्टमर्ट लिमिटेड च्य ज्याचा तपशील खाली दिला गेलेला
५)	२६ मार्च २००३ रोजी उप-नोंद कार्यालय बांद्रा येथे नोंदविली गेली बीडीआर१/२०५१/२००३ अशा लिझिंग अँण्ड फायनान्शियल स (उप-पट्टेदार) आणि आयएल कंपनी लिमिटेड (उप-पट्टेदार) या गैली.
६)	३० जानेवारी २००४ रोजी सेल अँण्ड एफएस इन्व्हेस्टमर्ट लि आणि इन्फ्रास्ट्रक्चर लिझिंग अ सर्व्हिसेस लिमिटेड (खरेदीकार) करण्यात आले.

CHANGED MY NAME FROM MUSHTAQ BARBARY TO MUSHTAQ KARBARI AS PER TS. CL-247 B

ANGED MY NAME FROM JAVED AIKH TO JAVED NASIR SHAIKH FIDAVIT. CL-247 C

HANGED MY NAME FROM BDUL RASHID ANSARI TO DUL RASHID ANSARI AS PER TS. CL-247 D

HANGED MY NAME FROM R PARSOTAMBHAI PATEL TO PURUSHOTTAM PATEL AS VIT. CL-247 E

ANGED MY MIDDLE NAME VIL KIRITKUMAR PATEL TO RITBHAI PATEL AS PER S. CL-247 F

GED MY NAME FROM LYBIA YBIA JOYCE LANGLY AS PER . CL-247 G

AMIT GUPTA WHO WAS KNOWN AS MAUSAMI WAL AND RUPALI DILIP ND RUPALI AMIT KUMAR ED MY NAME TO RUPALI VIDE AFFIDAVIT NO. ZY 14/03/2022 CL-276

T KUMAR HAVE CHANGED AARAV AMIT GUPTA VIDE O. ZY 544073 DATED CL-277

AR HAVE CHANGED MY T VIRENDRA GUPTA VIDE O. ZY 544071 DATED CL-278

NGE MY NAME FROM NT JOG TO MUKUND AS PER DOCUMENTS CL-353

MY NAME FROM PRATAP A TO PRATAP NARSHI AS PER DOCUMENTS CL-353 A

D MY NAME FROM ARTI R. TO AARTI PRATAP AS PER DOCUMENTS CL-353 B

ED MY NAME FROM P MITTIA. NEW NAME- P BHANUSHALI. AS PER CL-353 C

D MY NAME FROM SHIBHAI PATEL TO RSHIBHPATEL AS PER CL-356 A

MY NAME FROM UMAR SHETH TO SHETH AS PER CL-535

NAME FROM NEEV

PUBLIC NOTICE

Notice is hereby given that our client intends to purchase a Shop on ownership basis being Shop No.4 on the Ground Floor in Borivali Gokul CHSL, situated at CTS NO.506 of Village-Kanheri, Taluka-Borivali Situated at M.G. Road, Borivali (East), Mumbai-400066. Our client is investigating the title of Mr. Jayeshkumar Jethmal Jain and Mrs. Ranjan Jayesh Jain and therefore invites objections and claims from general public at large and person/s having rights, title, interest share or claim or any encumbrances by way of sale, lease, charge, will, gift, exchange, mortgage, lien or in any other manner whatsoever in the aforesaid Shop may record their objection with relevant documents to that effect to the undersigned within a period of 7 (seven) days from the date of this publication. If nobody raises any objection within stipulated period, the claim, if any, deemed to have been waived in respect of the aforesaid property.

Date: 16.03.2022

(Samarth Associates)
101/A, Shree Tower,
above Link View Hotel.
Near Don Basco High School,
New Link Road,
Borivali (West), Mumbai-400092

PUBLIC NOTICE

Notice is hereby given to the public that, my clients Mr. Kanjibhai Jagabhai Der is lawful owner of Flat No. A-201, Admeasuring 570 Sq. Ft. equivalent to 52.95Sq. Mtrs., 2nd Floor, Riddhi Co-Operative Housing Society Ltd. situated at CTS No. 388, Plot no. 494, Chikuwadi, Shimpoli Village, Borivali (West), Mumbai - 400092 ("Flat") and his late father Jagabhai Danabhai Der name was appeared as bonafide member of Riddhi Co-Operative Housing Society Ltd. ("Society"). The said Society registered under the Maharashtra Co-operative Societies Act, 1960 bearing Registration No. BOM/WR/HSG/TC/10625/99-2000 Dated 26/11/1999.

NOTICE

Notice is hereby given that MRS. VIJAYALAXMI DAYARAM AHUJA (since deceased) and MRS. DEEPA MANOHAR ASRANI were the members of the Charkop Silver Co-operative Society Ltd., and as such members, we were jointly holding Flat No.B/702 and B/703 each admeasuring 37.62 square metres carpet area on the 7th Floor of the B-Wing of the Society's Building "Silver" situated at Plot No.6, RDP-5, Charkop, Kandivali (West), Mumbai – 400 067 alongwith the shares of the Society ("the Premises").

Mrs. Vijayalaxmi Dayaram Ahuja expired on 28th January, 2017 leaving behind legal heirs who have all executed Affidavits confirming that they have no right, title and interest in the Premises and confirming that the 50% right of Mrs. Vijayalaxmi Dayaram Ahuja is to be transferred in the sole name of Mrs. Deepa Manohar Asrani.

If any person has any objection for transfer of the Share Certificate No.43 and 44 and/or any claim thereto he/she is required to make the same known to the undersigned at 5th Floor, Durga Chambers, 40, Waterfield Road, Bandra (West), Mumbai – 400050, within 14 days from the date hereof (alongwith sufficient documentary evidence), otherwise it will be presumed that there do not exist any claims and the same, if any, will be considered as waived or abandoned and pursuant to which the Society will proceed with transfer of the Share Certificates in favour of Mrs. Deepa Manohar Asrani, without reference to any such claims.

MUMBAI
DATED THIS 16th DAY OF MARCH, 2022.

Sd/-
Pranjal Dave
Gradea Sai
Advocates & Solicitors

PUBLIC NOTICE

This is to inform to all that the project for the development of the lands bearing Old Survey No. 236, New Survey No. 30, Hissa No. 2,3,4,6,7,8,12, and Old Survey No. 242, New Survey No. 33, Hissa No. 1, and Old Survey No.235, New Survey No. 31, Hissa No. 9, 10 all of Village Navghar, Taluka & District Thane, within the limits of Mira Bhayander Municipal Corporation has been accorded sanction for Environment Clearance from the Ministry of Environment and Forests. Copies of the clearance letter are available with the Maharashtra Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forest at http://www.envis.maharashtra.gov.in

Dated : 15/03/2022

M/s. **Shubham Housing**
Sd/-
Partner
Shop No. 3/4, Shree Hari

IN THE HIGH COURT OF JUDICATURE AT BOMBAY TESTAMENTARY AND INTESTATE JURISDICTION PETITION NO. 3129 OF 2021

Petition for Letters of Administration to the Property and credits of **GOPAL RAJARAM SHIRSEKAR** Hindu, Indian Inhabitant of Mumbai, a Married, Auto-Rikshaw Driver, who was residing at the time of his death at Room No. M.M.D.50/4/7, Arvind Patil Wadi, Khardev Nagar, Ghatla, Near Karnatak High School, Chembur - (East), Mumbai 400071

...Deceased

PRAKASH RAJARAM SHIRSEKAR
Aged 63 years, Hindu, Indian Inhabitant of Mumbai,
Occupation: Retired, residing at Near Karnataka High School, Arvind Patil Wadi, M.M.D/50/4/7, KhardevNagar, Ghatla, Chembur, Mumbai 400071 Being the Brother of the deceased

... Petitioner

To:
1. All Concerned
2. Suchita Gopal Shirsekar
Address: Not Known

If you claim to have any interest in the estate of the abovenamed deceased you are hereby cited to come and see the proceedings before the grant of Letters of Administration.

In case you intend to oppose the grant of Letters of Administration you should file in the office of the Prothonotary and Senior Master a caveat within 14 days from the service of this citation upon you.

"You arc hereby informed that the free legal services from the State Legal Services Authorities, High Court Legal Services Committees, District Legal Services Authorities and Taluka Legal Services Committees as per eligibility criteria are available to you and in case, you are eligible and desire to avail the free legal services, you may contact any of the above Legal Services Authorities/ Committees".

PUBLIC ANNOUNCEMENT

"Expansion of Petrochemical based product manufacturing facility at Plot No. T-2, V-45, V-11 to V-14, T2/1, T-1, MIDC Taloja,Tehsil Panvel, Dist Raigad, Maharashtra by M/s IG Petrochemicals Limited" has been accorded Environmental Clearance by Ministry of Environment, Forest and Climate Change (MoEF & CC), vide EC Identification No. EC22A020MH142617, File No. J-11011/73/2016-IA-II(I) dated 14th March 2022.

Copy of the said environmental clearance is available with Maharashtra Pollution Control Board and on website of the Ministry at https://parivesh.nic.in

Place : Mumbai
Date : 16/03/2022

IN THE COURT OF SMALL CAUSES AT MUMBAI MARJI APPLICATION NO. 318 OF 2019 IN EXHIBIT- 19 IN EXECUTION APPLICATION NO. 316 OF 2013 IN R.A.E. SUIT NO. 895 OF 2010

1. SITARAM RAMCHANDRA NAKHWA Age 82 years, Occ. Retired,
2. UMESH SITARAM NAKHWA Age 49 years, Occ. Business, Both of Mumbai Indian Inhabitants residing at House No. 499A, Tare Lane, Worli Koliwada, Mumbai - 400 030.

... Applicants
(Orig. Plaintiffs)

V/s.

KAMAL SUDHAKAR SAWANT Age about 68 years, Occ: Retired, of Mumbai Indian Inhabitant residing at Room No.4, House No.499A, Tare Lane, Worli KoOwldafliumbai- 4000 030.

... Respondent
(Orig. Defendant)

To,
The Respondent
(Orig. Defendant) abovenamed,

WHEREAS, the Applicants abovenamed have taken out Application dated 04th October, 2019 i.e. Marji Application No. 318 of 2019 against the Respondent praying therein that pleased be condone the delay in taking out the present Application; of about 67 days from the date of knowledge of the order passed below Ex-19 and Delay of above 87 days from the date of passing of order below Ex-19, may please be condoned. and for such other and further reliefs, as prayed in the said Application.

You are hereby warned to

PUBLIC NOTICE

Notice is given to all concerned that **SMT. KASTURBEN H. SHAH and SHRI. SUBHASH H. SHAH** are the owners of Flat No. B - 307, 3rd Floor, Ghatkopar Evergreen Co-operative Housing Society Ltd popularly known as 'Modern Apartments', Sanghani Estate, off Gamdevi Road, L.B.S Marg, Ghatkopar (West), Mumbai – 400086. This flat is purchased and Agreement made between **SHRI. TARANATH PRABHAKAR RAJE** and **SMT. KASTURBEN H. SHAH** and **SHRI. SUBHASH H. SHAH**

Herein under mention agreements is misplaced/lost.

Documents Between Builder/ Developer to Shri. Taranath Prabhakar Raje in respect of the said flat is lost/ misplaced from SMT. KASTURBEN H. SHAH and SHRI. SUBHASH H. SHAH.

Hence this notice is hereby given that any person/s have found or have any claim/right/title/interest/mortgage regarding this flat, shall contact personally with original proof of document mentioned above as misplaced, within the 15 days of issuing this notice.

Makwaana N Associates
Adv. Haresh Makwaana
Place: Office No. 53,- Plot No. 46, Annapurna Industries Service C S Ltd., Tilak Road, Ghatkopar East, Mumbai – 400 077.
Dt. 16/03/2022

PUBLIC NOTICE

NOTICE is hereby given to the public at large with respect to **Flat No. 147 on 14th Floor of the building "KALPATARU HILLS PHASE II CO-OPERATIVE HOUSING SOCIETY LTD"** admeasuring about 753 Sq. Ft. Carpet area having address at **Kalpataru Hills Phase II Co-operative Housing Society Ltd., lying being and situated at Plot of Land bearing Gut No. 59D/4, of Village: Chitalsar Manpada, Opp. Tikuji-ni-wadi, Chitalsar Manpada, Thane (W), 400610** which was under the joint ownership of **Late Mr. Ghanshyam Kotwani** (deceased), **Mrs. Asha Kotwani** and **Mr. Inder Kotwani** (33.33% each) which was purchased from **Kalpataru Properties (Thane) Private Limited (Developer) vide Registered Agreement For Sale dated 10th day of December, 2014 (Registered with sub-Registrar and under Document No: TNN/1898/2015) & Mr. Ghanshyam Kotwani** died intestate on Dt. 29/06/2015, leaving behind his legal heirs **(1) Mrs. Asha Ghanshyam Kotwani (Wife), (2) Mrs. Aarti B. Pariani (Married Daughter), (3) Mr. Mukul Ghanshyam Kotwani (Son), and (4) Mr. Inder Ghanshyam Kotwani (Son)** and the right title and

PUBLIC NOTICE

This is to inform general public holding PIGMY account with e-Syndicate bank (Now Canara Bank) Colaba Branch that Mr. Suresh Vasu Amin, Pigmy agent of our Bank has resigned from Bank's services in April 2020.In this regard claims if any should be brought to the notice of the Bank within 30 days from the public notice and no claims will be entertained after expiry of the stipulated period.

Sd/-
Branch Manager

PUBLIC NOTICE

This is to inform in general public that Krutika P. Raipure is willing to purchase the Flat No. A-2503, on 25th Flr, Wing-A, Bldg. no. 24, Lavania CHSL' Hiranandani Estate Patlipada, Ghodbunder Rod. Thane (W)-400607 from Satish Parwani who informed that Legal heirship Certificate passed in the Hon'ble Court in favour of him who is the legal heir of late Veena Parwani is not available. All persons having any claim/ objection whatsoever to the said flat are hereby requested to make the same known in writing to the undersigned at her office within a period of 10 days from the date of publication hereof, failing which the claim/objection of such person/s will be deemed to have been waived and/or abandoned forever and no claim shall be entertained in respect of the said flat dtd. this 15/3/2022, M/s. Aartie Shinde & Co Sd/- Office No.7, 3rd Flr, Sai Sadan, 68, Janmbhumi Marg, Fort, Mumbai-1.

NOTICE

NOTICE is hereby given that we are investigating the title of (i) Mrs. Chandrika Navnit Botadra and (ii) Mrs. Sona Yogesh Gholani in respect of a flat being Flat No.601 admeasuring 935 sq. ft. (carpet) equivalent to 86.89 sq. mtrs. on the Sixth floor of the building "Shanti Vijay" belonging to Shanti Vijay Co-operative Housing Society Ltd. situate at Plot No. 477, T.P.S. V. Shradhanand Extn. Road, Vile Parle (East), Mumbai 400 057 or Plot bearing CTS No.1891 o

ANNEXURE - XXXI

I G PETROCHEMICALS LIMITED

Ref : IGPL/JKS/2022/MIDC **Date.: 10.10.2022**

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

Attn : Mr. Avinash

Sub : Amendment to the Environmental Clearance vide F.No.J-11011/73/2016-IA-II(I) dtd. 06.10.2022

This is with referenced to the above Amendment to the Environmental Clearance issued by the Ministry of Environment, Forest and Climate Change (MoEFCC), New Delhi having the condition at Sl.No.(III) for Green Belt Development IGPL shall take the land for long term lease of 25 years, copy of the same is enclosed herewith.

In this connection, we have already signed the agreement dtd. 22.07.2022 with MIDC for a period of 5 years from 22.07.2022 to 21.07.2027 for developing the Green Belt Area adjacent to our boundary wall. This land parcel have already been developed with **"MIYAWAKI PATTERN",** which is for your kind information and photos of the same as an example are enclosed herewith.

In order to comply with the Amendment to Environment Clearance Condition, we request you to allot us the said land for developing the Green Belt for a period of another 20 years. The necessary rent for the said land will be paid by us.

We would appreciate your reply in the matter for our compliance issue to the Ministry of Environment, Forest & Climate Change (MoEFCC), New Delhi.

Thanking you.

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

J.K. SABOO
EXECUTIVE DIRECTOR

Encl : As above

Received on Dt.: 10-10-2022
Office of the Dy. Engineer
MIDC, SPA & W/S, Sub dn. Taloja

Factory : Plot No.T-2, Taloja Industrial Area, MIDC, Taloja, Dist.: Raigad, Maharashtra - 410 208, India. Tel.: (91) 22-6847 9100 • Fax : (91) 22-2741 0192 • E-mail: taloja@igpetro.com
Corp. Office : 401-404, Raheja Centre, Free Press Journal Marg, 214, Nariman Point, Mumbai - 400 021. India. Tel.: (91) 22 - 4058 6100; Fax: (91) 22 - 2204 0747; E-mail: igpl@igpetro.com • Website : http//www.igpetro.com
Regd.Office : T-10, 3rd Floor, Jairam Complex, Mala, Neugi Nagar, Panaji, Goa-403 001, India Tel.: 0832 - 2434973 • Email : igplgoa@gmail.com • CIN : L51496GA1988PLC000915

ANNEXURE XXXII

Water Audit Report

At M/s IG Petrochemicals Limited, MIDC Taloja, Maharashtra

For

M/s. IG Petrochemicals Limited
Plot No T 2, Taloja Industrial Area, MIDC, Taloja,
Vashi, Navi Mumbai - 400703, Maharashtra, India

Prepared by

Pushkar Khanna
(BEE, Accredited Energy Auditor)
Eco Energy Solution

S2/A, 151, Vedant Commercial Complex
Vartak Nagar, Thane, Maharashtra – 400606

November 2024

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

ACKNOWLEDGEMENT

We are sincerely thankful to M/s IG Petrochemicals Ltd. for giving us the opportunity to prepare this Water Audit report and present the analysis and findings. We are especially grateful to –

- Mr. Sagar Jadhav – Executive Director
- Mr. P. M. Panchaksharaiah – President (Production & Technology)
- Mr. A S P Kumar – President (Engg & Maintenance)
- Mr. Srinivasan – G. M. (Electrical)
- Mr. P Rajesh – General Manager (Technical Services)

and other plant personnel for their guidance and support. We also express our gratitude to all other concerned site officials for their support during the conduct of this exercise.

DISCLAIMER

Eco Energy Solution, has prepared this report on 'Water Audit' and Conservation techniques, adopted at M/s, IG Petrochemicals Limited, Taloja, Dist. Raigad, Maharashtra, on a best judgment basis.

While all reasonable care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered & provided by M/s, IG Petrochemicals Limited.

It is further informed that the projections are the management's best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Eco Energy Solution and / or its affiliates and / or its Partners, employees / officers in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

Pushkar Khanna

Accredited Energy Auditor

(under Bureau of Energy Efficiency)

Reg. No. # 0260

23/11/2024

1 EXECUTIVE SUMMARY

1.1 Introduction

- This water audit report of M/s IG Petrochemicals Ltd. provides a detailed overview of the water distribution system and water usage at their MIDC, Taloja plant premises located near Navi Mumbai, Dist. Raigad, in Maharashtra state. The report highlights the major water sources, consumption areas, wastewater treatment facilities and available water saving opportunities in the plant. A set of recommendations which will assist in improving water efficiency has also been highlighted in this report. This report has emerged after a detailed water audit conducted at plant in Nov '24.

Table 1 : Water Audit Study and Audit Team Brief

Project Title:	Water Audit
Industry	**M/s IG Petrochemicals Ltd. MIDC, Taloja, Navi Mumbai, Maharashtra**
Contact Person	Mr. Akshay Hadge
Audit Period	Nov 2024
Source of Water	MIDC Supply
Date of Report	30/11/2024
Work Carried out by: (Team Composition)	Pushkar Khanna - Team Leader Akshay Chavan - Team Member Anish Pandey - Team Member

- Currently, the plant has consent to receive and consume **5563 m³/day** MIDC water in the premises of IG Petrochemicals Ltd. The plant does not consume any ground water at the company premises. The audit team has conducted the measurement activity for flow, pressure, power and calculated per day actual water consumption and efficiency of circulation pumps.

- Average total water consumption at the plant for FY 2023-24 & 2024-25 (as on Oct 24) is **3333 & 3562 m³/day** respectively **(Avg 3448 m³/day).** Out of this, share of procured water is **3025 & 3245 m³/day** (91%), followed by waste water recycled @ **253 & 247 m³/day** (7.6% - 7%) and Rain water harvesting @ **56 & 71 m³/day** (1.7 – 2.0%)**.** Overall last 19 months average value for procured raw water is **3135 m³/day or 0.95 lakh m³/month** (Apr 23 to Oct '24).

- Add to the raw water intake, Plant also treats waste water effluent and recovers average **251 m³/day** for recycle. Out of average **3448 m³/day consumption**, almost 62% viz. 2161 m^3/day is used as makeup water at Cooling Towers, 23.5% viz 816 m^3/day is used at DM plants and supplied to process, 11.4% viz. 376 m^3/day is used at process, 1% viz. 34 m^3/day is used as Potable water, 0.60% viz. 20 m^3/day is

estimated lost from surface water at reservoirs and around 1.2% viz. 40 m^3/day is consumed at domestic and gardening including some quantity as losses.

- Specific Water consumption for FY 2024 is **5.74 m^3/T**, for FY 2025 it is **5.82 m^3/T** and last 19 months (Apr 23 to Octr 24) including FY 2023-24, the average is **5.79 m^3/T** of PA product while same in last audit report (FY 2023) for upto Dec '22 was **5.99 m^3/T** of PA product. **Thus, there is a sustained reduction (3.3%) in specific water consumption at the plant over last 2 years.**

- Although, as compared to FY 2022-23 report, the Overall water consumption quantity has increased in FY 2024-25, the same is due to increase in Production capacity with Plant PA # 5 addition. However, overall specific water consumption has been optimised year on year.

- IGPL has installed water flow meters at almost all consumption and effluent generation points at the plant. ETP treated water is consumed for CT makeup.

- 19 months Data is considered including data for last year FY 2023-24 and also 7 months in current year 2024-25 as on Oct '24. Comparative analysis is made for FY 2023-24 data and average of 7 months data in FY 2024-25 as on Oct 24.

Table 2 : Average Data For Water & Effluent Quantity, 2 Years Data

Particulars	Avg. m^3 / month	Avg. m^3 / day	FY 2023-24	Avg. m^3 / month	Avg. m^3 / day	FY 2024-25
Total Water Received	101393	**3333**	% Total consp	108341	**3562**	as on Oct 24
Procured Water	92016	3025	90.8%	98689	3245	91.1%
Recycled Water	7681	253	7.6%	7507	247	6.9%
Rain Water	1696	56	1.7%	2145	71	2.0%
Consumption						
CT makeup	63770	2097	62.9%	67692	2225	62.5%
Process	10985	361	10.8%	11905	391	11.0%
DM plant	23767	781	23.4%	25867	850	23.9%
Potable	1042	34	1.0%	1046	34	1.0%
Surface Evap.	608	20	0.6%	608	20	0.6%
Domestic Use	1220	40	1.2%	1223	40	1.1%
Effluent						**Avg**
Total effluent water generated	9301	306		11379	374	**340**
Effluent water Recovered	7725	254		7529	248	**251 (69%)**
Effluent water to CETP	2876	95		3715	122	**108**

- **ETP & STP Discharge**: IGPL has an Effluent Treatment Plant (ETP) of capacity 220 m^3/day for the treatment of effluent from plant processes and domestic sewage is separately treated in aeration tanks. The quantity of effluent and sewage is within the permitted quantity.

- **Multiple Effect Evaporator (MEE):** Plant has installed an MEE comprising of 500 m^3/day RO & 156 m^3/day MEE followed by ATFD system. RO permeate & MEE condensate are being used in cooling towers as make up water. MEE recovered condensate & RO permeate are avg. **251 m^3/day** (69% of total effluent generated 361 m^3ay) and is used as CT makeup.
  Balance @ 108 m^3/day is treated process effluent water from ETP and is sent to a centralised common effluent treatment plant (CETP) as per norms for further treatment and disposal.

- **Rain Water Harvesting**: IGPL currently does not come under the compliance of implementing groundwater recharge measures. However, IGPL has successfully implemented & operates a Rainwater Harvesting system at its plant premises. Rooftop area and surface runoff water is collected from plant building structures and is systematically networked by down-take pipes and storm draining system for collection and use during monsoon season via its rainwater harvesting network. Water collected from this network during monsoon is **6073 m^3** in 2021-22, improved to **13220 m^3** in year 2022 – 23 and has further improved to **20354 m^3** in FY 2023-24 and **25736 m^3** in FY 2024-25.

- Given the scenario of prevailing resource challenges, depleting water resources the Progressive management of IGPL is keen to undertake water audit at plant premises. To account the present usage and also to identify potential areas for water saving projects, the management of IGPL entrusted Eco Energy Solution (EES) the task of water audit at its premises.

- Specific Water consumption for last few years starting FY 2021-22 is **6.16 m^3/T** of PA product and reduced to **5.99 m^3/T** of PA product as on Dec '2022.

- The water foot print of the plant has further optimized to avg. **5.79 m^3/MT** of PA as on Oct' 2024. **Thus, there is a sustained reduction in specific water consumption at the plant.**

- The Audit is focused on improving water usage efficiency and identifying water Conservation opportunities. Accordingly, the field study and data collection for the said water audit is carried out by the EES Audit team. This report discusses the water balance and various water saving options derived on the basis of observation made, data collected and their analysis.

1.2 Implemented Water Saving Practices at Plant

a. Implemented Rain water harvesting system for rain water collection and use during monsoon season. Water collected from this network during monsoon has been **6073 m³ in 2021-22, improved to 13220 m³ in year 2022-23, increased further to 20354 m³ in 2023-24 and has further improved to 25736 m³ in FY 2024-25.**

b. Installed Electrolytic System for PA-2 & PA-3 Cooling Tower and further installed similar System at all balance Process Cooling Towers namely PA 1, PA 4 & PA 5 for maintaining CW Cycle of Concentration (CoC), lower TDS, thereby enabling reducing blow down water loss. The system is now stabilised and water blowdown from CT has reduced.

c. Regular monitoring of CT CoC for minimising water loss and reducing makeup share.

d. Implemented Line traps steam condensate recovery for recycle.

e. Review of fire hydrant network system for water leakages and attending the same.

f. Regular practice of checking and attending to water leakages in process plant areas.

g. Regular practice of review of steam generation and condensate recovery system to check and identify condensate recovery in place and minimise DM plant makeup.

h. Turbine Condensate drain is recovered via drain lines.

i. Review & Monitoring of CW Pumps Gland Seals and timely attending to avoid water loss

j. Review & Monitoring of MEE System and sustain Condensate Recovery from waste water treatment

2 BACKGROUND OF STUDY

2.1 Rationale For Water Audit

- Human activities consume and pollute large quantities of water. At a global scale, most of the water use occurs in agricultural sector, but there are also substantial water volumes consumed and polluted in the industrial and domestic sectors (WWAP, 2009).

- Global changes like population growth, climate variability, ever-expanding industrialization and urbanization — often combined with pollution — severely affect water availability and lead to chronic water shortages in a growing number of regions. India has been successful in the past to meet such water requirements for different usages with a phenomenal development of water resources. However, preserving the quality and availability of fresh water resources has now become a pressing environment challenge.

- Water is an essential precondition for life, and according to the UN it is a human right to have access to clean water. However, in India millions of people are living without direct access to safe water and based on the rapid population growth coupled with the fact that the water reserve is finite, it will be a very valuable and scarce resource within only a few years. In this light, there is an urgent need for decision makers to act in order to improve the conditions for effective use and supply of water to the Indian people now and in the future.

- Under the Indian Constitution and in our federal democratic set up drinking water comes within the domain of the State Governments (Provincial Governments). In fact, the 73rd Constitutional Amendment has gone a step forward. It mandates that responsibility for drinking water and sanitation services should be with Local Governments. Thus, various States in India are at different stages of giving effect to this Constitutional mandate.

- The Ministry of Urban Development has formulated Service Level Benchmarks (SLBs) in 2008 and circulated the same to the States for adoption. The SLBs include water conservation and management practices such as continuous water supply, 100% metering of water supply, sustainable tariffs and reduction in leakages to a level of 15% to 20%.

- The National Water Policy – 2012 focuses on the need for publishing water accounts and water audit reports indicating leakages and pilferages. The policy recommends

systems to evolve benchmarks for water uses for different purposes, i.e., water footprints, and water auditing to ensure efficient use of water.

- National Water Mission (NWM) has been established by the Government of India with the objective of "conservation of water, minimizing wastage and ensuring its more equitable distribution both across and within States through integrated water resources development and management".

- The Government of India has also launched a Centrally Sponsored Scheme for Repair, Renovation and Restoration (RRR) of water bodies, which has multiple objectives like comprehensive improvement and restoration of water bodies thereby increasing tank storage capacity, improved water use efficiency and increased availability of drinking water.

- With its continuously declining per capita water availability (from about 5,177 m3 in 1951 to 1,654 m3 in 2007), India stands water stressed and is close to being categorized 'water scarce'. Water demand in India is expected to grow annually by 2.8% to reach 1,500 bcm (by 2030) while the current supply is only about half (viz., 744 bcm). The Government of India, in its Intended Nationally Determined Contribution (INDC) submitted to UN Framework Convention on Climate Change (UNFCCC) in October, 2015, has committed to improve the water use efficiency by 20%, through regulatory mechanisms with differential entitlements and pricing. It further emphasizes the need to focus on integrated water resource management through water conservation, wastewater minimization, etc.

- In light of above and being a Progressive Management, M/s IGPL intends to use Water audit as an effective management tool for minimizing losses, optimizing various uses and thus enabling considerable conservation of water.

- This report discusses the existing water scenario at IGPL Taloja plant and its potential water savings and how the basic water audit approach has been applied to water conservation in line with the guidelines of CGWA.

2.2 SCOPE OF WORK FOR WATER AUDIT

- Objective - Conducting Water Audit in compliance to the Environmental Clearance conditions of PA-V Project.

- Scope of work includes,

a. Study water receipt, storage, distribution and utilization in the plant
b. Identify areas for conserving water usage, identify potential to replace water cooled heat exchangers with air cooled units, review temperature difference across heat exchangers to optimize flow.
c. Study DM-RO water treatment & sewage treatment plant for various parameters and process. Recommend suitable options to improve performance and energy efficiency.
d. Review potential for upgrading ETP treated water for use as make up.
e. Review potential for improving condensate recovery potential.
f. Study pump specifications and monthly outputs logged, hours of pump operation per month, data on break down maintenance and operating problems and emergencies envisaged, existing and future demand projections etc. for all the pump houses.
g. Review layout of water sources, distribution network, and service/delivery points to water users and return flow of waste or excess water.
h. Review layout to include locations and capacities of flow measurement devices installed at key points, dimensions of pipes and fittings in the water supply system, locations and particulars of flow control devices and history sheets of all measuring and control devices including pipes and fittings.
i. Study waste water generation sources and past consumption patterns for various areas to understand present water utilization and optimization potential if any.
j. Review implementation and working of rainwater harvesting and effluent plant.
k. Review installation and already installed Flow measurement devices at strategic points so that water losses from various components such as raw water source, conveyance system from raw water source to treatment plant, from treatment plant to treated water storage system, treated water storage system to distribution networks, individual users, etc. could be assessed at regular intervals.

- Outcome

a. Identify areas where water is wasted or where water could be reused

b. Identify additional water metering points

c. Identify water leakage points.

d. Identify scope of water minimisation and pumping efficiencies.

e. Optimise Pumping system & Power

2.3 Methodology For Water Audit

EES team visited plant in Nov '24 for site visits. Following step by step methodology and approach were adopted while carrying out the Water Audit at M/s IG Petrochemicals. Ltd.

- Preliminary discussions with plant personnel and observations in all water consuming areas.
- Data collection through discussions, past records, specifications.
- Field studies in each of the areas involving:
  - Performance trials.
  - Measurement of flow parameters, pressure, power wherever possible using portable instruments such as ultrasonic flow meter, pressure gauge and power analyser.
- Identification of water conservation options on short, medium & long terms.
- Identification of Investment grade projects in the plant for detailed analysis towards implementation.
- Preparation, discussion and submission of report to the management.

- The study focused on improving water use efficiency and identifying water saving opportunities. The analysis included simple payback calculations where investments are required to be made to implement recommendations, to establish their economic viability.

- The audit study made use of various portable instruments for carrying out various measurements and analyses. EES has used portable, diagnostic and measuring instruments to support the water audit investigations and analyses. The instruments that were used during the water audit include:
  - Ultrasonic water flow meter
  - Thermo couples & Indicators
  - Pressure Gauge
  - Three Phase Power Analyser

- During the audit, there was continuous interaction between the audit team and facility personnel, to ensure that the suggestions made are realistic, practical and implementable to allow for possible concurrent implementation.

- Report reviewed the intake water sources, distribution network, and service/delivery points to water users and return flow of waste or excess water. The report reviewed locations of flow measurement devices installed at key points, measured flow at user points and reviewed month wise historic data of all metered values.
- EES has carried out the water usage study at IGPL to understand the present water utilization pattern. EES also reviewed rainwater harvesting system and possible wastewater recycling from MEE unit.

- Flow measurement is undertaken at all major use points to calculate the water consumption at IGPL in various process activities such as supply to process units, CT makeup, toilets and office buildings.

- IGPL regularly undertakes testing of water quality for Raw Water and ETP inlet and outlet. Audit team reviewed all test reports and found acceptable as the results are in compliance to various standards as required by PCB.

- EES has undertaken flow, pressure and power measurement at all Process Plants and Effluent Treatment Plant and Sewage treatment Plant inlet and outlet to calculate the total water supplied to the different areas of the plant to understand the quantity of water received from MIDC source and fed to the plant area. Accordingly, discharge from various process units, buildings and estimation of losses is also assessed.

- EES has undertaken physical inspection of water distribution network, supply to various areas of the Plant, Gardening, Effluent Treatment Plant, Process areas etc to estimate the per day water consumption at IGPL.

2.4 Brief Description about the Process Plant

- M/s IG Petrochemicals Ltd. (IGPL) is an established market leader in manufacture of **Phthalic Anhydride (PA)** and is one of the largest PA producers in India.

- Phthalic Anhydride is manufactured by partial oxidation of 'O'-Xylene in a fixed bed tubular reactor. The reaction is exothermic & 'heat of reaction' is controlled / taken away by continuous circulation of heat transfer salt in the shell side of the reactor. The necessary Oxygen for the reaction is obtained from air which also serves as dilutant and heat carrier.

- The crude PA vapors contained in the reaction gas are passed through U-type fin tube switch condenser bundles.

- To achieve de-sublimation of the PA, the gas mixture is further cooled down in the switch condensers to a temperature at which the PA is condensed almost completely as a solid whereas the by products remain predominantly in the gas.

- PA is separated and deposits on the finned tubes in the form of crystals while heat transfer oil at about 55-60°C flow through the finned tubes and remove the de-sublimation heat. Following the loading phase the PA is molten by switching over to hot heat transfer oil of about 180°C. The crude Phthalic Anhydride drains from the switch condenser to the crude PA run down tank

- The tail gas left over after de-sublimation contains small amounts of product and mainly by-products and is transferred to waste gas scrubbing tower. Here the remaining organic compound are removed from the tail gas before it is released to atmosphere in three stage scrubber where DM water is sprayed against the gas stream & the organics are dissolved in DM water. The off gas after scrubbing is let to atmosphere through the waste gas stack. After certain concentration of Maleic Acid in scrubbed water, scrubber water is transferred to Maleic Anhydride recovery plant.

- **Distillation section -** Purification of crude Phthalic Anhydride is carried out in three stages & the first stage is thermal treatment where crude Phthalic Anhydride temperature is raised close to its boiling point. In the second stage, low boilers are separated as over head product & in the third stage, high boilers are separated. All the condensers are connected to waste heat boilers for generating 6.0 kg/cm²g & 3.0 kg/cm²g steam which is used for process lines heating as well for other process. The heat energy required for distillation reboilers is supplied by thermic fluid heaters installed in all plants.

- **Heat Recovery :** For the production of PA, IG Petrochemicals uses Orthoxylene Oxidation method, which involves an exothermic reaction. In this process, both high & low-pressure steam is produced, from heat recovery of exothermic process waste heat, to make the plant self-sustaining in power and steam.

- The plant practices pinch technology for recovering heat from all potential hot process streams wherein high pressure & superheated temperature steam is generated for cogeneration of process steam needs and power. Part of the HP steam generated is directly supplied to process and partly to the cogeneration power plant. In addition, the exothermic process heat is also used for pre-heating air for process used for partial oxidation of O-Xylene. Heat is also recovered from the process distillation columns by way of Low pressure steam and used in process heating, line tracing, air heating etc.

- **Waste off gas recovery & residue recovery**: IG Petrochemicals is also an environment-friendly organization that works towards maintaining a clean environment. The effluent water from the scrubber, which is used for PA production for scrubbing off gases, is recycled further to recover Maleic Anhydride (by product) manufacturing. On the same line, the distillation residues from PA & Maleic Anhydride plant is used as a secondary fuel to fire in the heat transfer oil heater along with furnace oil.

Figure 1 : Process Block Diagram for Phthalic Anhydride Process

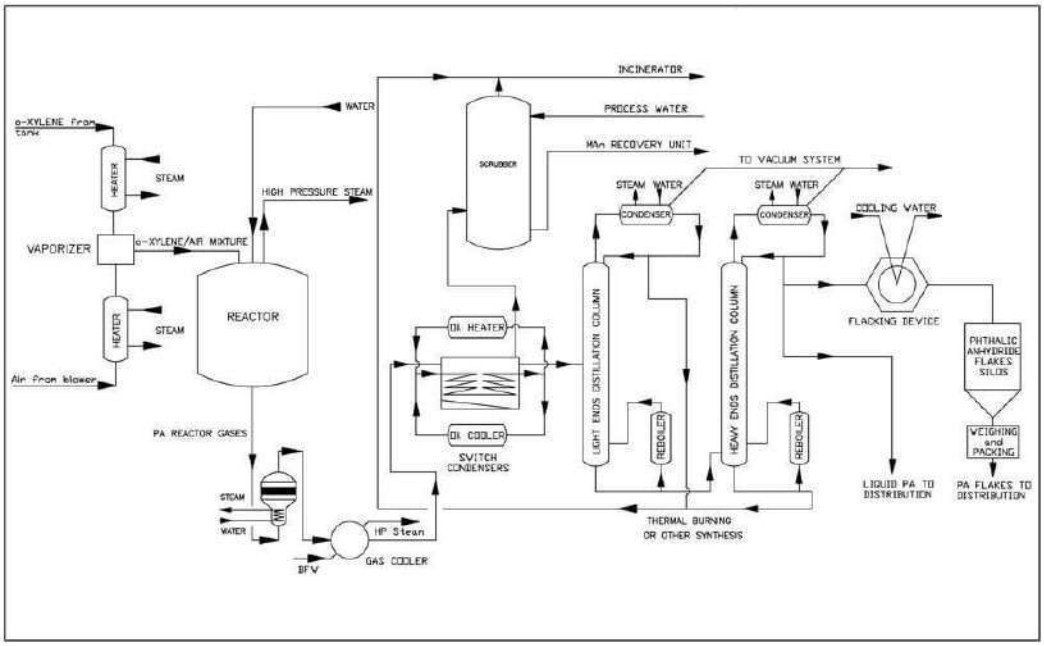
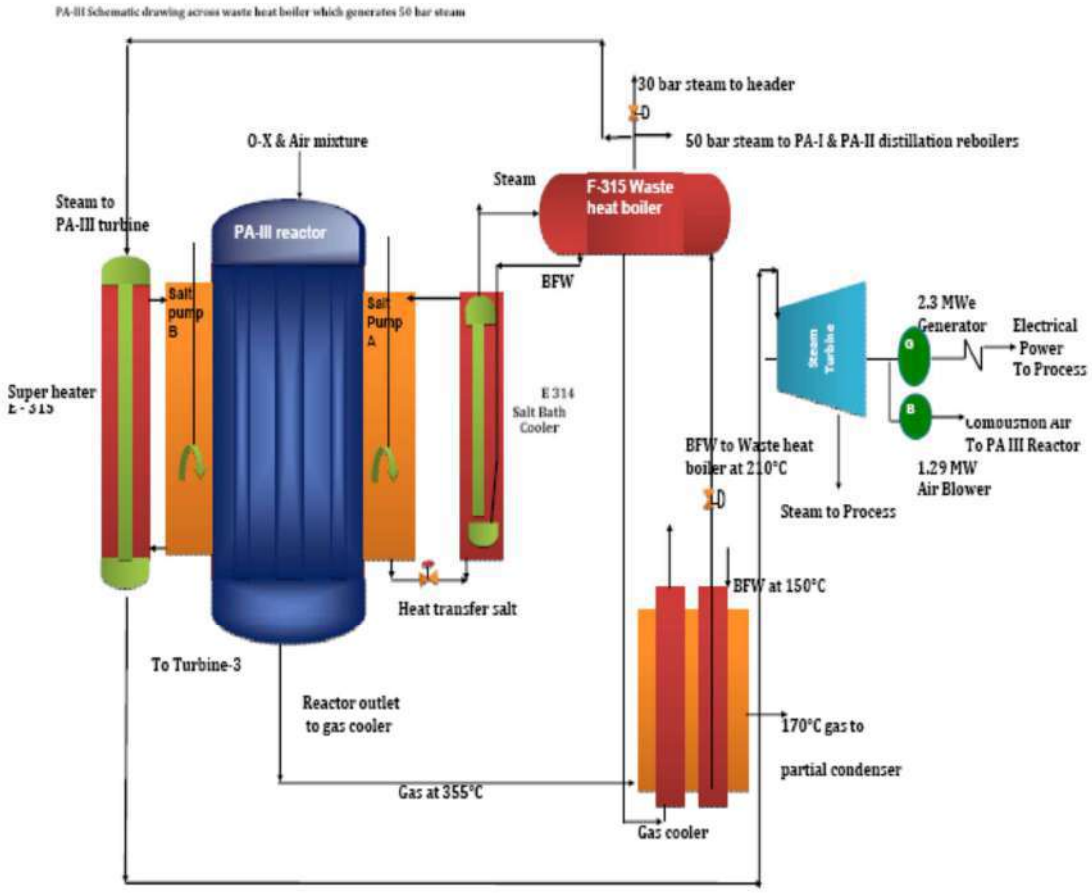


Figure 2 : Schematic of PA Reactor and WHRB Streams



3 ASSESSMENT OF WATER USAGE

3.1 Water Receipt and Storage

- Raw water is received from MIDC main pipeline system and stored in 8675 KL capacity RCC reservoir & 5000 KL MS tanks at the plant. Rain water and outside water are also transferred to above tanks. Raw Water stored in tanks & reservoir is supplied by dedicated pumps to various Utility areas and Process plants.

- Monthwise data (19 months, Apr '23 to Oct '24) for MIDC Water, Tanker Water, Rain Water & Recycled Water alongwith plant water consumption quantity at all the consumption areas is presented in table below.

3.2 Fresh Water Receipt (MIDC, Tanker & Rain Water)

- From data available, it is noted that plant has received 11.24 lakh m^3 fresh water in FY 2023-24. The average water received per month in FY 2023-24 is **0.937 lakh m^3/month** and in FY 2024-25 (as on Oct 24) the average is **1.0 lakh m^3/month** resp. Same is equal to receiving nearly say **3081 and 3315 m^3/day** for year FY 2024 & 2025 resp. Average considering both years is **3198 m^3/day**.

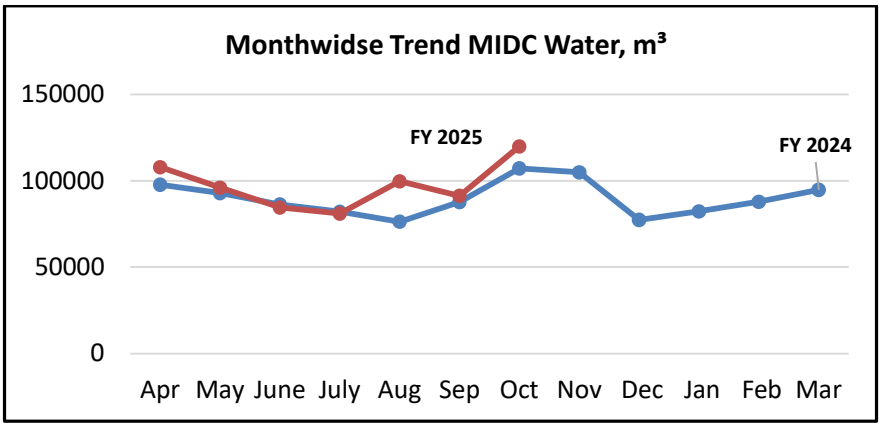
Table 3 : Month wise Fresh Water Quantity Received from MIDC & Other Sources

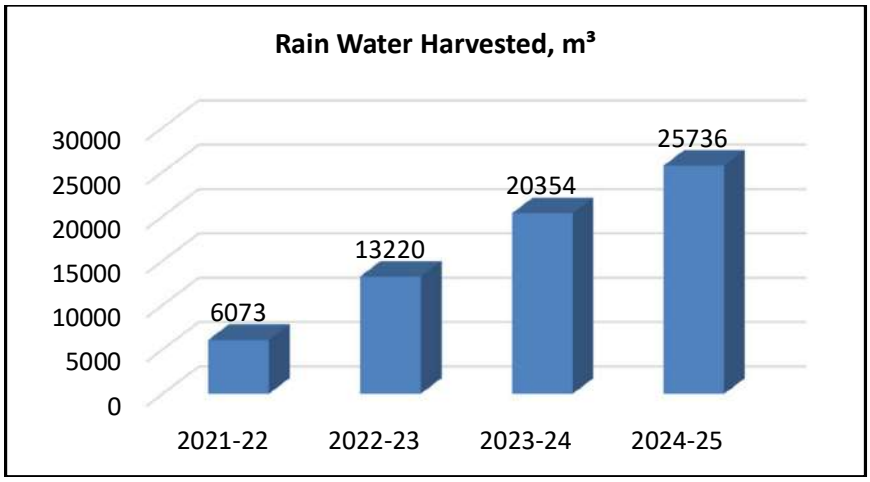
Month-year	Water consumption	Tanker water consumption	Rain water harvesting
	m3	m3	m3
Apr-23	97843	0	0
May-23	92866	5640	0
Jun-23	86327	7610	3428
Jul-23	82170	0	12050
Aug-23	76298	0	3688
Sep-23	87685	0	1188
Oct-23	107212	4910	0
Nov-23	104938	0	0
Dec-23	77456	0	0
Jan-24	82202	0	0
Feb-24	87805	0	0
Mar-24	94745	8480	0
Total	1077547	26640	20354
Avg/month	**89796**	**2220**	**1696**
Total Avg / day	**3081 m^3 / day**		
Month-year	**Water consumption**	**Tanker water consumption**	**Rain water harvesting**
	m3	**m3**	**m3**
Apr-24	107798	13730	0
May-24	96019	4400	0
Jun-24	84450	0	984
Jul-24	81091	0	4397

Month-year	Water consumption	Tanker water consumption	Rain water harvesting
Aug-24	99730	0	11138
Sep-24	91278	0	6707
Oct-24	119880	0	2510
Avg/month	**97178**	**1511**	**2145**
Total Avg / day	**3315 m³/day**		
Average fresh water for both periods is 3198 m³/day			

- From above data it is noted that fresh water consumption at the plant is nearly same and plant management is taking conscious efforts to reduce its water foot print and minimize waste water generation. Rain water harvesting and its usage has increased significantly over last 2 years.

Figure 3 : Month wise MIDC Raw Water Consumption at Plant, m³/month





3.3 Water Consumption

- Received & Stored water in reservoir is supplied by dedicated pumps to various Utility areas and Process plants. Major share of water consumption is for Cooling Tower as makeup water to meet the evaporation, drift & blow down losses. Plant has 5 nos. Cooling Towers to meet the process cooling loads and heat duty dissipation. Cooling tower capacities are presented in table below.

- Of the total water consumption at plant, the CT demand is nearly 2161 m^3/day viz. 63%. **Same has reduced by nearly 13% over last audited data.**
- Other major consumer of water intake is DM Plant and is around 816 m^3/day viz. 24%. **Same has reduced by near 3 - 4% over last audited data.**
- Potable water usage is average 34 m^3/day viz. 1.0% and is same.
- Surface water evaporation loss at the Reservoirs & fire water storage tanks is estimated at 20 m^3/day, viz. 0.6% and is same as last audited data.
- Balance 40 m^3/day is attributed to domestic consumption and minor difference if any can be due to tallying various meter differences.

Table 4 : Monthwise Water Consumption at Plant

Month-year	CT-1	CT-2	CT-3	CT-4	CT-5
	m3	m3	m3	m3	m3
Apr-23	16250	20810	13379	18770	
May-23	16457	22660	14835	17695	
Jun-23	13825	18030	15006	17992	
Jul-23	9900	16780	12729	16226	
Aug-23	13130	15990	15131	4409	
Sep-23	13470	17460	13556	16056	
Oct-23	11770	16650	12346	11403	
Nov-23	13590	17670	4890	16491	
Dec-23	4610	15153	13736	17272	
Jan-24	10240	16700	12919	17116	
Feb-24	10350	11740	12802	17782	10210
Mar-24	15380	1673	14261	18436	19104
Apr-24	15130	21870	13349	17366	12463
May-24	17290	24770	9932	19474	113
Jun-24	14347	22070	1315	17580	
Jul-24	13134	21989	9194	14616	
Aug-24	11967	22257	22257	15329	
Sep-24	10758	21888	7701	16704	4434
Oct-24	14044	18800	13017	16595	6461
Avg FY 2023-24	12414	15943	12966	15804	14657
Avg FY 2024-25 as on Oct 24	13810	21949	10966	16809	7786

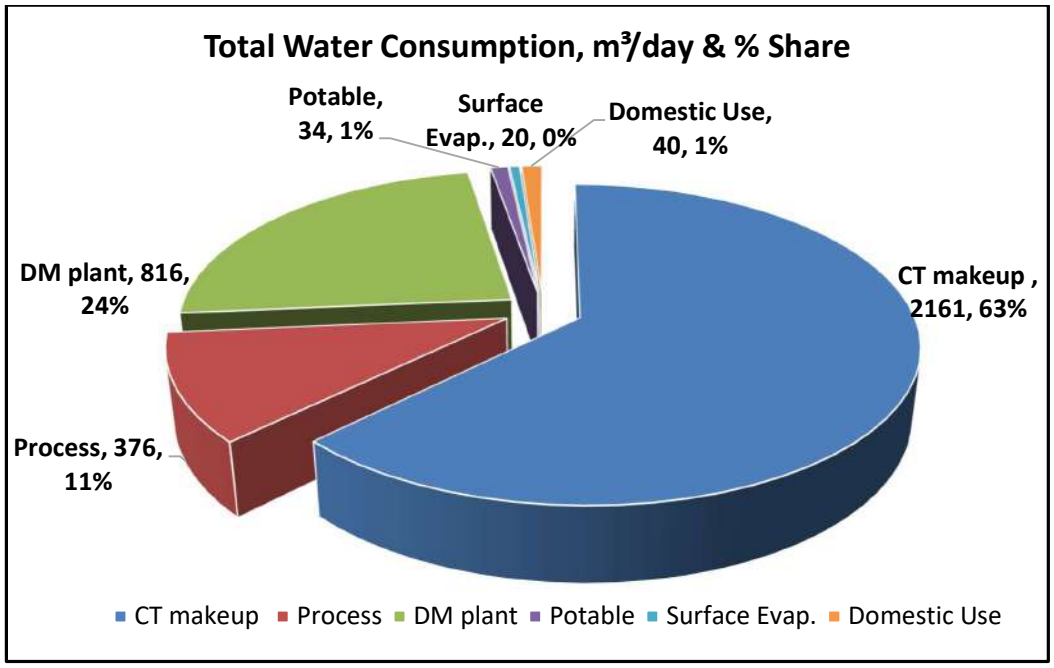
Month-year	New	DM4	DM5	Portable water	Domestic water consumption	Plant Water Consumption (by difference)
	m3	m3	m3	m4	m5	m6
Apr-23		9118	17436	880	1200	8700
May-23		8102	11044	833	1240	14793
Jun-23		8849	10562	863	1200	20670
Jul-23		12624	11594	1077	1240	20724
Aug-23		14307	10759	1332	1240	13967
Sep-23		13499	11225	1219	1200	11467
Oct-23		12776	13223	1069	1240	15687
Nov-23		11352	15119	1002	1200	11157
Dec-23		9674	14839	932	1240	10132
Jan-24	5223	10436	7347	981	1240	10261
Feb-24	11598	62	11011	1090	1160	9460
Mar-24	12430	177	10814	1229	1240	19249
Apr-24	9834	5630	9747	1209	1200	23969
May-24	1547	8585	11891	1178	1240	14438
Jun-24	11040		10161	1110	1200	9894
Jul-24	12360	934	14702	969	1240	7300
Aug-24	12237	282	13529	914	1240	20070
Sep-24	12050		15518	1025	1200	16232
Oct-24	12820	1748	16452	917	1240	29853
Avg FY 2023-24	9750	9248	12081	1042	1220	13856
Avg FY 2024-25 as on Oct 24	10270	3436	13143	1046	1223	17394

Table 5 : Summary of Raw Water Receipt and Usage at Plant

Particulars	Avg. m^3 / month	Avg. m^3 / day	FY 2023-24	Avg. m^3 / month	Avg. m^3 / day	FY 2024-25
Total Water Received	101393	3333	% Total consp	108341	3562	as on Oct 24
Procured Water	92016	3025	90.8%	98689	3245	91.1%
Recycled Water	7681	253	7.6%	7507	247	6.9%
Rain Water	1696	56	1.7%	2145	71	2.0%
Consumption						
CT makeup	63770	2097	62.9%	67692	2225	62.5%
Process	10985	361	10.8%	11905	391	11.0%
DM plant	23767	781	23.4%	25867	850	23.9%
Potable	1042	34	1.0%	1046	34	1.0%
Surface Evap.	608	20	0.6%	608	20	0.6%
Domestic Use	1220	40	1.2%	1223	40	1.1%
Effluent						**Average**
Total effluent water generated	9301	306		11379	374	340
Effluent water	7725	254		7529	248	251 (69%)

Recovered						
Effluent water to CETP	2876	95		3715	122	108

Figure 4 : Share of Total Water Consumption



3.4 Cooling Tower Makeup Water Balance Review

- Table below gives the Cooling Tower capacities, circulation rates and evaporation + blowdown loss metered during audit duration. The evaporation & blow down loss at the CT's is average 0.92% of the circulation rates and is lower than industry practices and hence considered as satisfactory check for the water balance study.

Table 6 : Cooling Tower Data For Plant

Cooling Tower Particulars	Capacity	Circulation rate	Makeup Water to CT	Makeup as % of circ rate
	m^3/hr	m^3/hr	m^3/hr	%
CT-1	2800	2000	18.9	0.95%
CT-2	4200	3500	30.1	0.86%
CT-3	2800	1890	15.0	0.80%
CT-4	4800	2150	23.0	1.07%
CT-5	2700	2000	19.2	0.96%
Total	**17300**	**11540**	**106.25**	**0.92%**

- (Average of Apr to Oct-24 month data is taken for above data)

3.5 Production Vs Specific Water Consumption Comparison

- Plant 'PA' Production has increased from FY 2024-25 with PA # 5 Plant addition. Hence, overall water consumption quantity has increased but with near same specific water consumption of near **5.82 m³/MT** PA product. Figure below gives the monthly production trends for FY 2024 & FY 2025 as on Oct 24.

Figure 5 : Monthwise PA Production Trend, MT/month

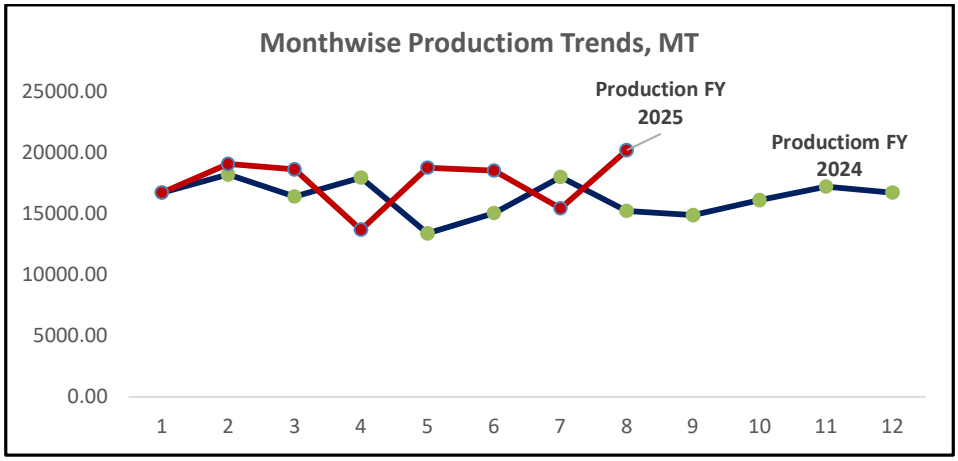
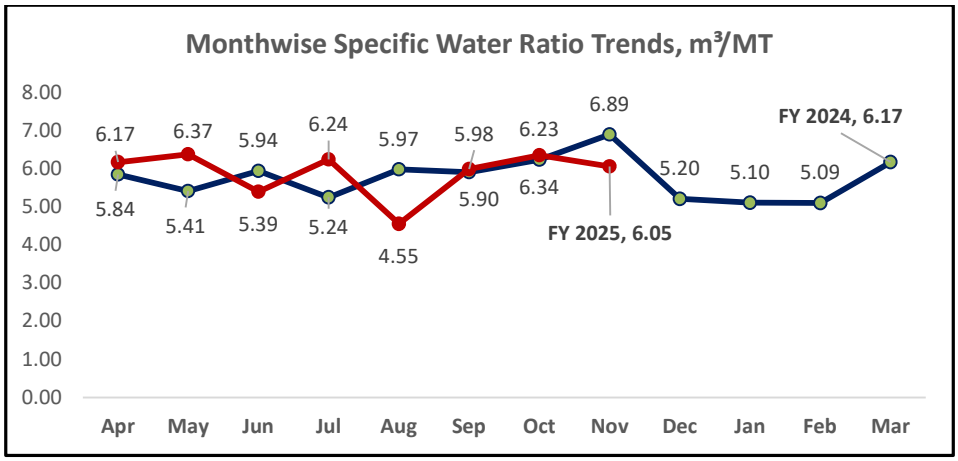


Figure 6 : Monthwise Specific Water Consumption Trend, m³/T PA



- Specific Water consumption for FY 21-22 was **6.16 m³**/T and has subsequently been optimized to **5.99 m³/T** in last audit report FY 2023 and is further optimized to **5.82 m³/T** as on Oct '24. **Thus, there is a sustained reduction in specific water consumption at the plant over last 2 - 3 years.**

Figure 7 : Year on Year Specific Water Consumption Trend, m³ /T PA

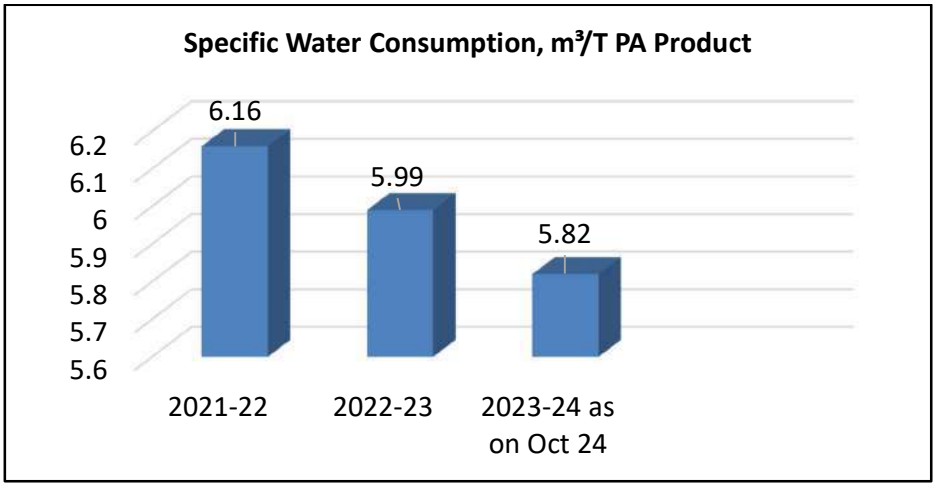


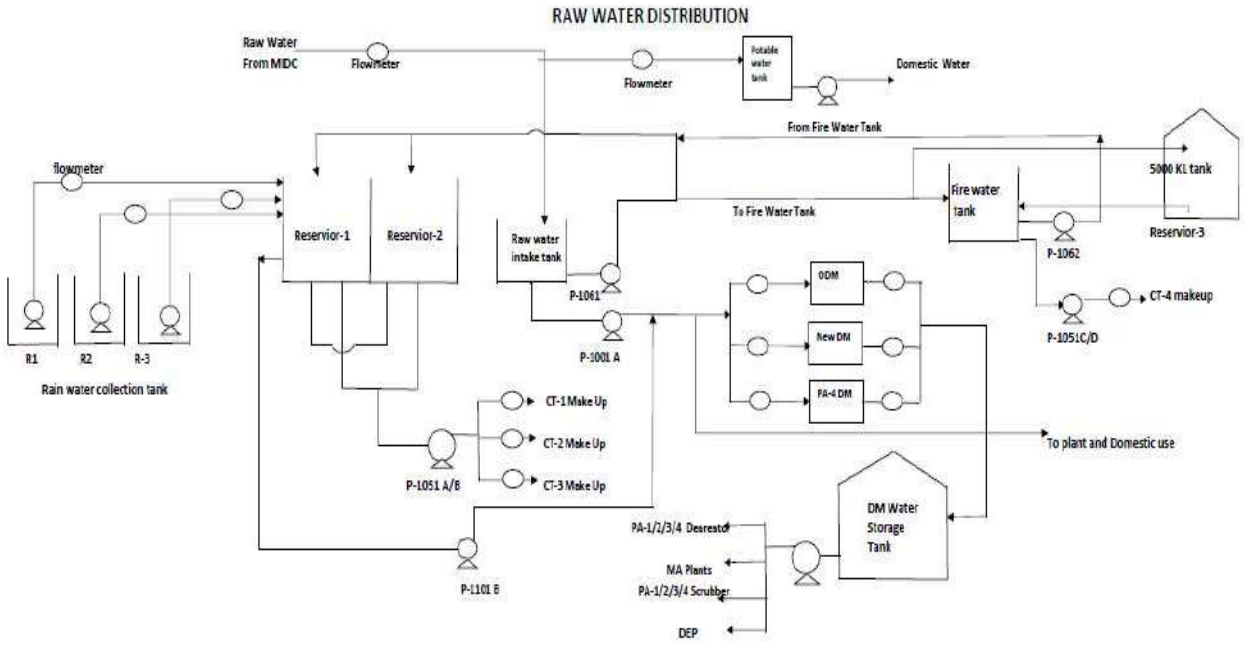
Table 7 : Monthwise Production and Specific Water Consumption Comparison

Month & Year	Water Consumption (m³)	Tanker water consumption (m³)	Rain water harvesting (m3)	Total Water Consumption (m3)	PA Production (MT)	Water to PA Product ratio, m³/MT
Apr-23	97843	0	0	97843	16740.70	5.84
May-23	92866	5640	0	98506	18213.03	5.41
Jun-23	86327	7610	3428	97365	16402.75	5.94
Jul-23	82170	0	12050	94220	17964.55	5.24
Aug-23	76298	0	3688	79986	13389.13	5.97
Sep-23	87685	0	1188	88873	15051.68	5.90
Oct-23	107212	4910	0	112122	18011.26	6.23
Nov-23	104938	0	0	104938	15236.13	6.89
Dec-23	77456	0	0	77456	14881.10	5.20
Jan-24	82202	0	0	82202	16123.10	5.10
Feb-24	87805	0	0	87805	17235.50	5.09
Mar-24	94745	8480	0	103225	16735.60	6.17
Apr-24	107798	13730	0	121528	19069.80	6.37
May-24	96019	4400	0	100419	18634.13	5.39
Jun-24	84450	0	984	85434	13691.83	6.24
Jul-24	81091	0	4397	85488	18777.13	4.55
Aug-24	99730	0	11138	110868	18532.55	5.98
Sep-24	91278	0	6707	97985	15443.16	6.34
Oct-24	119880	0	2510	122390	20216	6.05
Average 19 months	**92515**	**2356**	**2426**	**97298**	**16860**	**5.79**
FY 2023-24	89796	2220	1696	93712	16332	**5.74**
FY 2024-25 as on Oct 24	97178	2590	2145	103445	17766	**5.82**

3.6 Water Distribution Line Network

- Water is received from MIDC sources via main pipeline and is taken to reservoirs for storage and distribution. Following line diagram presents the distribution network at the plant. Based on the water balance data and pump capacity reviewed during the audit, the major water consuming areas are Cooling Tower makeup followed by DM Water for Utility Boiler, Process, Potable & Domestic use.

Figure 8 : Water Distribution Network Diagram



	Pump	Capacity	
1	P-1061	200	m3/hr
2	P-1051A/B	200	m3/hr
3	P-1001A/B	80	m3/hr
4	P-1062	200	m3/hr
5	P-1051C/D	80	m3/hr
	Raw water capacity (reservior 1 and 2)	8675	KL
	Reservior-3	5000	KL

3.7 Water Metering Systems

- Monitoring consumption is the most important prerequisite for efficient water management. Thus, in the water supply network, it is necessary to have a robust system of monitoring consumption. During the audit, the available flow meters were identified, and their working conditions reviewed.

Table 8 : List Of Water Flow Meters

Sr.	Location	Reviewed for workings
1	MIDC inlet	Satisfactory
2	Rain Water System	Satisfactory
3	CT-1 makeup	Satisfactory
4	CT-2 makeup	Satisfactory
5	CT-3 makeup	Satisfactory
6	CT-4 makeup	Satisfactory
7	CT-5 makeup	Satisfactory
8	New DM inlet	Satisfactory
9	PA-4 DM inlet	Satisfactory
10	Old DM inlet	Satisfactory
11	Potable water inlet	Satisfactory

- IGPL has installed Turbine type Flow Meter at the MIDC intake line and records water receipt on daily and monthly basis. Audit team has noted that the water meter is in working condition and verifies the meter reading with a portable ultrasonic meter reading during field measurement.

- IGPL undertakes calibration of respective inhouse flow meters every year from a NABL certified lab. MIDC water flow meter does not require frequent calibration and is under the purview of MIDC department for calibration required if any.

Table 9 : Calibration Details of Water Flow Meters

Water Source	Meter Sr. No.	Date of Calibration
MIDC	3000358	13-09-2019
CT-1	1502184	18-12-2023
CT-1	1502185	18-12-2023
CT-3	1005788	18-12-2023
CT-4	1027	05-01-2024
CT-5	I23403505	06-02-2023
NDM inlet	1289	05-01-2024
Potable inlet	1209	18-12-2023

4 WASTE WATER TREATMENT & RECYCLE

4.1 Waste Water Generation

- Waste water is generated from process operations as well as from Utility sources. Process waste water generation typically averages around **75 m³/day**. Similarly, inorganic waste water generation from utility sources is near **265 m³/day**. Major source of waste water generation is CT Blowdown and is average **177 m³/day**. Other major effluent source is DM plant regeneration water and is **88 m³/day**. **Total effluent generated is average 340 m³/day.** Of this, the Inorganic effluent quantity (CT B/d 177 m^3/d & DM 88 m^3/d) is 265 m^3/day and is processed in RO plant. RO plant reject is 72 m^3/day and this alongwith other process effluent is taken to MEE/ATFD.
- Table below gives the Summary as well as month wise effluent water generated at plant premises from all sources.

Table 10 : Summary of Waste Water Generation From All Sources

Sr.	Effluent Generation Source	FY 2023-24	FY 2024-25	Average	%
		m³/day	m³/day	m³/day	
1	Process plant Effluent	64	86	75	20.8%
2	DM plant Effluent	82	93	88	24.3%
3	CT blowdown Effluent	159	195	177	48.9%
4	**Total Effluent**	**306**	**374**	**340**	100.0%

Table 11 : Monthwise Waste Water Generation From All Sources

Month-year	Organic Effluent generation					Inorganic Effluent	
	PA	MA	DEP	ATFD	Wet	DM plant	CT blow
	m3	m3	m3	m3	m3	m3	m3
Apr-23	576	270	112	330	295	2018	5711
May-23	569	361	149	274	602	1340	6076
Jun-23	700	312	162	308	575	1701	4961
Jul-23	693	434	135	347	305	2686	6077
Aug-23	935	159	157	360	249	3258	3887
Sep-23	711	152	140	342	307	3072	4046
Oct-23	628	278	229	356	293	4180	3534
Nov-23	628	359	191	328	200	3380	3443
Dec-23	916	476	178	350	227	2284	4100
Jan-24	1005	385	154	353	401	2302	4771
Feb-24	993	322	128	322	378	1934	5587
Mar-24	855	456	118	358	636	1893	5852
Apr-24	958	489	100	299	311	2444	6168
May-24	979	500	240	351	325	2217	6318
Jun-24	1131	344	178	350	602	2004	4769

Month-year	Organic Effluent generation					Inorganic Effluent	
Jul-24	1458	280	223	359	621	3139	6357
Aug-24	1225	227	247	275	611	2903	4945
Sep-24	1210	308	142	437	518	3246	6570
Oct-24	1318	340	144	398	818	3924	6335
Avg FY 2023	25	11	5	11	12	82	159
Avg FY 2025	39	12	6	12	18	93	195
Overall Avg	32	11	6	11	15	88	177

- Plant management has installed electrolytic system for reduction of cooling tower TDS and optimising blow down at all Major Cooling Towers namely for PA 1, PA 2, PA 3, PA 4 & PA 5 plants.
- The Organic effluent and RO reject having higher TDS are treated at MEE plant and water recovered for use as CT makeup. Inorganic effluent stream is treated at ETP plant comprising various stages and including RO unit for part waste water recovery. MEE and ETP – RO processes are detailed below.

4.2 Waste Water Treatment Facility & Process

- IGPL has an installed effluent treatment capacity of 876 m^3/day, designed to handle 220 m^3/day of organic effluent and 656 m^3/day of advanced tertiary treatment system to handle both inorganic effluent and treated organic effluent. ETP Process in brief is presented below.

- **Primary Treatment:** The incoming process effluents from the plant are subjected to oil removal in an oil & grease trap. The trap is provided with a slotted pipe for skimming the oil collected at the surface of the tank. The oils are directed near the oil drainpipe collected in drums.

- The effluent devoid of oils flows by gravity to the Equalization cum Neutralization tanks. Here hydraulic & organic fluctuations are taken care by mixing of effluents via air blowers. The effluent from the DM plant is collected in a separate equalization cum neutralization tank. For neutralization of effluents, acid and caustic dosing tanks are provided. For settling of suspended solids, Polyelectrolyte/alum is added. The pH of the effluent is adjusted to be around 6.5 – 8.0 in equalization/neutralization tanks.

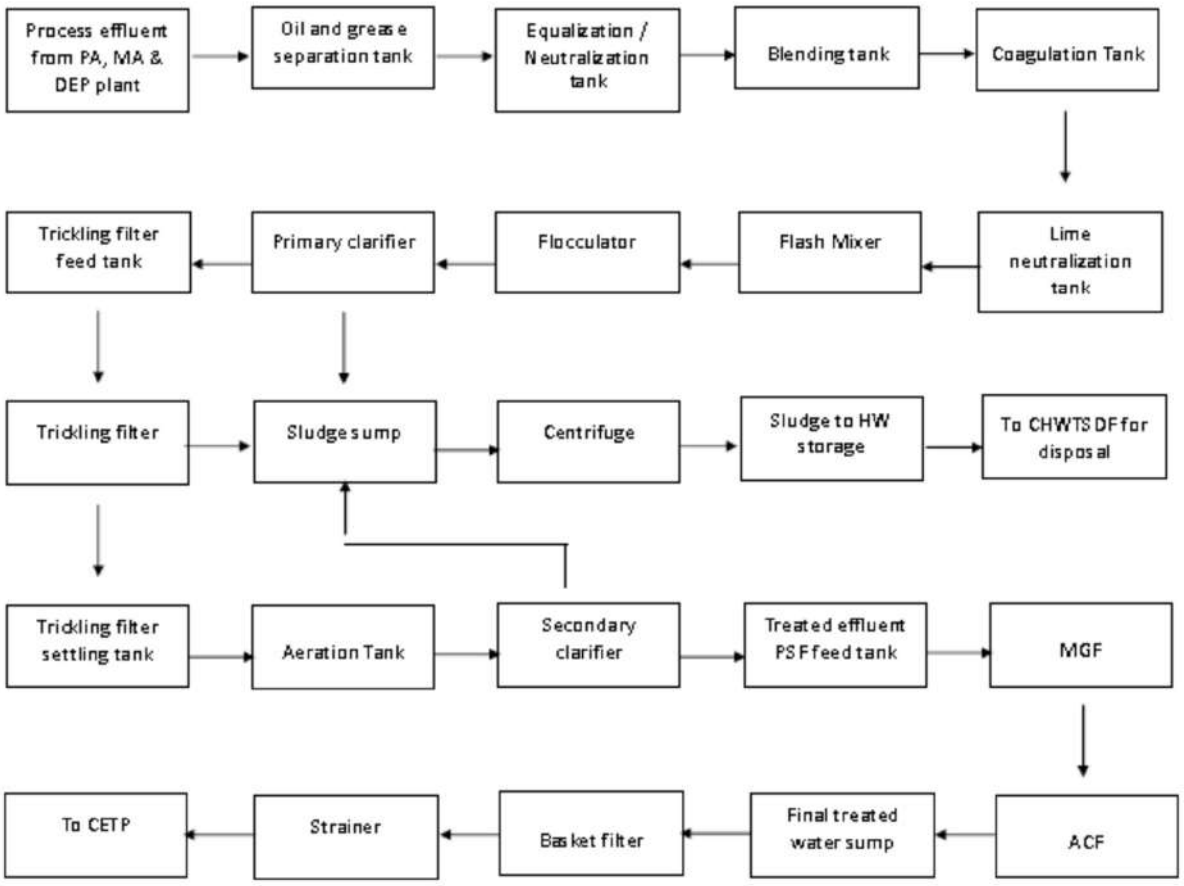
- When COD of incoming effluents is high, it can be taken in emergency holding tank. The effluent after neutralization is pumped to flash mixer by centrifugal pumps. Required solution of alum as coagulant and Polyelectrolyte as flocculent is dosed in the flash mixer. The effluent along with the flocculent flows to the primary clarifier for separation of solids. The solids settle at the bottom of the Primary clarifier as primary sludge, it is then pumped to sludge collection tank.

- **Secondary Treatment :** The supernatant from primary clarifier flows via gravity to Trickling Filter Sump. The effluent is pumped to trickling filter with the help of re-circulation pumps at a specified rate. The effluent is spread over filter media with the help of rotary distributor. The effluent percolates down through the media bed. The effluent is diverted to two compartments of the tricking filter sump. Effluent from one compartment of the sump is continuously re-circulated along with the primary treated effluent. Effluent from second section is pumped to Aeration tank for biodegradation of effluents along with addition of nutrients. Oxygen required for the bio mass is provided by the retrievable diffuser system. The effluent along with the bio mass flows by gravity to secondary clarifier. Settled sludge is re-circulated back to the aeration tank to maintain a required concentration of sludge in the Aeration tank. Excess sludge generated is pumped to Sludge Sump to feed the centrifuge.

- **Tertiary Treatment:** Tertiary treatment includes pumping the effluent through Multi Grade Filter and Activated Carbon Filter for removal of suspended solids & dissolved organic matter. The final treated effluent is collected in a final collection sump. From the final treated effluent sump the treated effluent is pumped to MIDC underground line & is carried to CETP.

- **Sludge Handling:** Sludge is being handled in centrifuge and in filter press. Filtrate is sent to backwash sump for re-treatment. Sludge is disposed to disposal site CHWTSDF, Taloja.

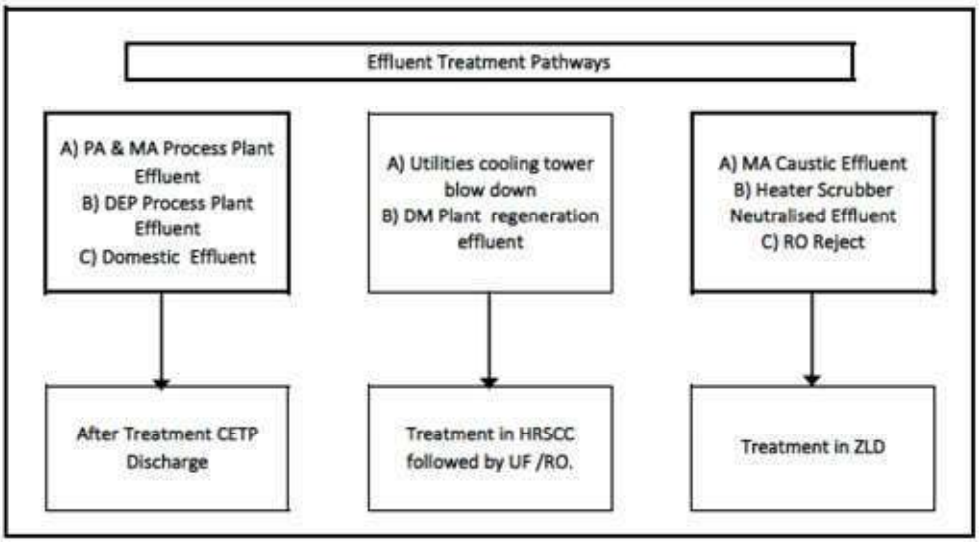
Figure 9 : ETP Plant Schematic Flow Diagram



4.3 Multiple Effect Evaporator (MEE) Unit

- Based on the waste water source, following schematic describes the effluent treatment pathway. Process effluent from PA/MA plant, DEP & domestic effluent is treated at ETP and subsequently sent to CETP as per norms. CT blow down and DM plant effluent back wash are treated at ETP in HRSCC followed by UF & RO process steps for part recovery and recycle use. Process effluent from MA plant, scrubber effluent and RO plant rejects are treated at MEE unit. All the MEE condensate is recovered and transferred to CT as makeup thus reducing equivalent raw water usage.

Figure 10 : ETP Pathways Schematic Flow Diagram



- Waste water generated at the plant premises is entirely collected and received at the in-house Effluent Treatment Plant (ETP) unit. ETP capacity at the plant for handling & treating liquid effluent is 220 m^3/day. Normal process (Weak Stream) effluent generated during FY 2023-24 is average 349 m^3/day and for year 2024-25 is 374 m^3/day. Average for both years is 361 m^3/day. A major part of the effluent generated is processed in ETP and RO section for recovery and the RO reject along with Organic effluent (Strong stream) is pumped to a Multiple Effect Evaporator (MEE) Unit, the recovered vapour condensate is used in CT Makeup.

- <u>The MEE – unit comprises of the following,</u>
- The MEE unit is a Quadruple Effect Forced Circulation type Evaporator. Rated MEE capacity is 130 KLD water evaporation rate. Unit is Steam heated with LP steam at 1.5 kg/cm^2g.
- Normal effluent Feed Rate is 6.5 T/hr having solids concentration of 2.5% (w/w) and COD content of 900 ppm.

- Product rate achieved is 0.36 T/hr at a concentration of 45%.
- Evaporation rate achieved is thus nearly 6.139 T/hr water, which is recovered for use as CT makeup.

- The ETP & MEE systems recover average **251 m³/day (70%)** waste water for use as CT makeup and balance treated effluent (average **108 m³/day, viz, 30%)** is sent to a Common ETP system operated by MIDC for final disposal and is as per present norms.

4.4 Effluent Stream's Generation & Recovery Data

- Table below gives the statement for month wise data for waste water treated and water recovery achieved for recycle. Recycled & treated effluent water is reused as CT makeup.
- **Average recycled water quantity is around 251 m³/day and is 70% of the total effluent generated (361 m³/day).**

Table 12 : Monthwise Waste Water Treated & Recovery

Month-year	RO Permeate	RO reject	ETP to CETP	MEE feed	Condensate generated from MEE	Total Waste Water Recovery
	m3	m3	m3	m3	m3	m3 (Permeate + MEE cond)
Apr-23	4399	2094	3645	2422	2286	6685
May-23	4216	2100	3841	3078	2883	7099
Jun-23	4850	2593	2666	2938	2740	7590
Jul-23	3477	1781	2484	3088	2883	6360
Aug-23	4268	1768	2583	3846	3656	7924
Sep-23	3872	2171	2445	4192	3982	7854
Oct-23	4367	2270	2591	4324	4092	8459
Nov-23	5306	2335	2414	4007	3840	9146
Dec-23	4135	1930	2537	3981	3835	7970
Jan-24	4371	2465	2624	3985	3705	8076
Feb-24	3719	2224	3308	3755	3545	7264
Mar-24	3958	2729	3369	4529	4313	8270
Apr-24	3662	2611	4992	4375	4180	7841
May-24	3970	2558	4553	4043	3769	7739
Jun-24	3643	2318	2670	3268	2969	6611

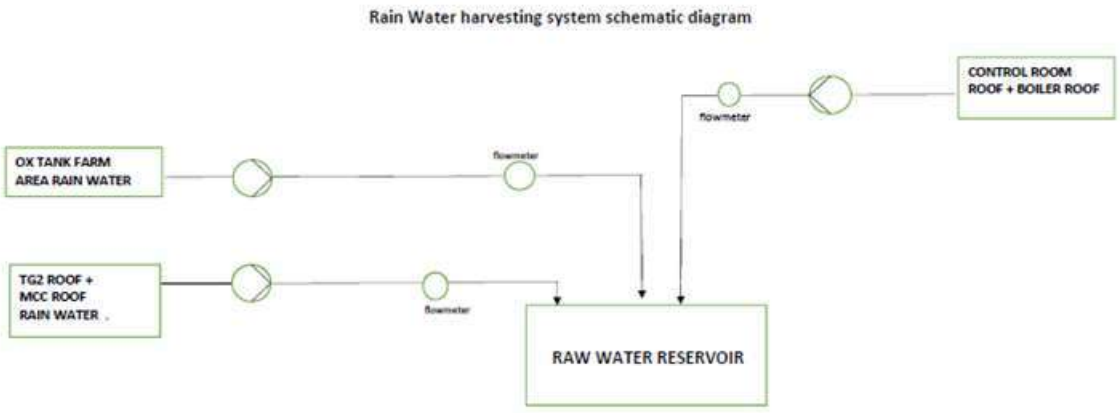
Month-year	RO Permeate	RO reject	ETP to CETP	MEE feed	Condensate generated from MEE	Total Waste Water Recovery
Jul-24	5177	2177	2422	3872	3567	8744
Aug-24	3454	1615	2702	3869	3621	7075
Sep-24	3542	1926	2907	3922	3768	7310
Oct-24	3369	2057	5761	4122	4016	7384
Avg FY 2023-24	4245	2205	2876	3679	3480	7725
Avg FY 2024-25 as on Oct 24	3831	2180	3715	3924	3698	7529
Avg per day	140	72	95	121	114	254
Avg per day	126	72	122	129	122	248
Overall Average	**133**	**72**	**108**	**125**	**118**	**251**

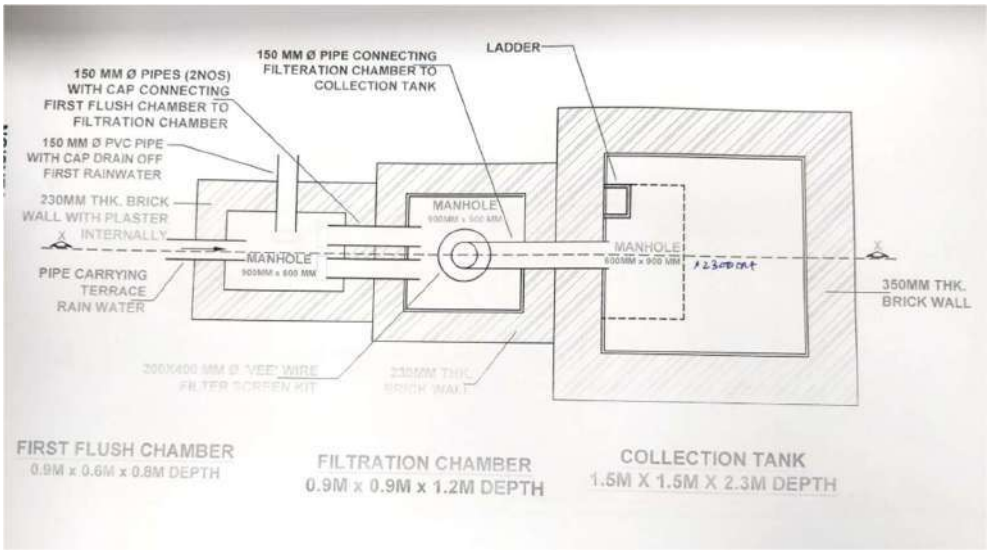
4.5 Rain Water Harvesting

- Plant has implemented surface run off and available roof top based rain water harvesting system. Harvesting rainwater from roof-tops is an easy and eco-friendly method of augmenting plant level water availability. Roof-top rainwater harvesting involves diverting and recharging rainwater that falls on the building roofs / terraces to respective collection tanks on ground. Rain water harvesting system includes plant building roofs / terraces, paved flooring, water channels and collection tanks with level based pumping units. The rainfall runoff has been diverted to the artificial recharge system through the drain system constructed. This method has proved very effective for the plant and has assisted in reducing fresh water intake and also augmenting the ground water level of the area.

- Plant has collected **6073 m³ of rain water in FY 2022, 13220 m³ in FY 2023** and **has improved** it further to **20354 m³** in FY 2023-24 and **25736 m³** in FY 2024-25. Overall the present FY 2024-25 rain water harvested is nearly **2.1%** of the total raw water usage as compared 1.43% of last audit report of FY 2023. Although quantity is small, plant management is undertaking continued efforts to augment the same through better collection efficiency, maintaining clean water channels and minimizing over flow from collection tanks.

Figure 11 : Rain Water Harvesting System Schematic Diagram





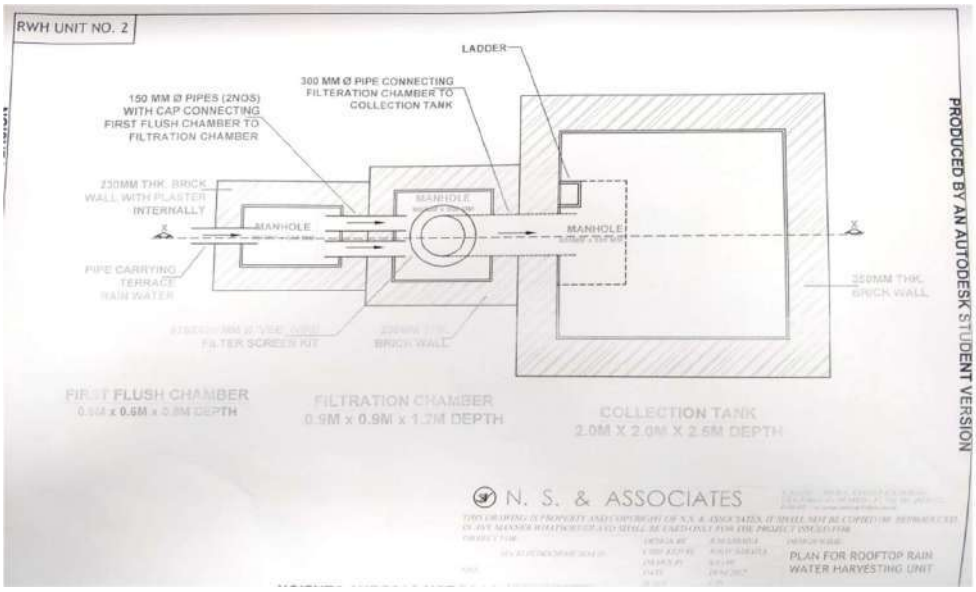


Figure 12 : Rain Water Harvesting System Pit & Pumping System at Tank Farm Area

- Plant has installed 5 nos above rain water pit and pumping system to augment its rain water harvesting system capacity and reduce raw water consumption from MIDC & tanker source.

5 WATER CONSERVATION OPPORTUNITIES

5.0 Water Conservation

- Water savings can be achieved in industry through a combination of changing behavior, modifying and/or replacing equipment with water saving equipment to reduce overall water consumption and increase internal reuse.
- Water savings starts with,
  - Assessing the current water usage and identifying waste streams.
  - Build understanding among employees and co-workers about importance of water conservation.
  - Make them aware of water scarcity issues and impact of water conservation practices.
  - Educate employees so that they will be able to identify problems and generate solutions to reduce water use within the company.
  - Engage employees in problem-solving to reduce water usage.
  - Apply sub metering to determine use by location or equipment.
  - Calculate average water use by department or process. Rank processes/departments by water use to determine where to focus conservation goals.
  - Survey plant operations to determine areas where water is wasted or could be reused.
  - Check piping regularly and identify leaks.
- Based on the information collected and observations, the following can be recommended at IGPL to reduce water use and increase its efficiency.

5.1 Improve Cycle of Concentration at Cooling Towers

- Plant has installed state of the art "Electrolytic" system so as to maintain lower TDS levels in CW circulation system. It helps in reducing TDS in circulated cooling water and thus improves cycle of concentration & leads to lower blowdown loss.
- Below table gives the average Apr '24 to Oct '24 TDS and CoC levels at respective CT networks and gives an indication of further potential COC optimization. Plant team to review the average data and maintain maximum possible COC at respective lower values CT's. CT-5 is of recently commissioned PA 5 plant and is under stabilization & hence maybe reviewed later.

Table 13 : Cooling Tower Water TDS & COC Levels

Particulars	CT – 1	CT – 2	CT – 3	CT – 4	CT – 5
Makeup water, m^3/day (average)	454	722	361	553	460
Makeup Raw water TDS, ppm	120	105	110	112	113
Avg CW TDS, ppm	785	733	928	918	655
Avg CoC	**6.54**	**6.98**	8.44	8.20	**5.80**

- **Plant Comments** : Already being practiced at plant level.
- Plant has installed additional **3 nos electrolytic system** for balance plant CT's to augment CoC and reduce blowdown & makeup requirement. Same is under review and stabilization. Presently, all CT's have been provided with this electrolytic unit to help maintain optimum COC levels and minimize effluent water generation.

5.2 DM Plant ACF Waste Water Backwash Recycle

- **Plant Comments :** Management has takeup procurement of separate ACF backwash water collection system and recycle for CT makeup and minimize ETP load and water loss.

5.3 Improving Condensate Recovery & Minimise DM Water Use at Boilers

- **Plant Comments :** Already being practiced at plant level.

5.4 Review potential for Water Recovery from Boiler blow down

- Boilers are not operated continuously and are in banking condition only, hence blow down quantity is negligible.

5.5 Water Saving Faucets

- **Plant Comments** : Already being practiced at plant level.

5.6 Water Saving At Urinals

- **Plant Comments** : Already being practiced at plant level.

6 Annexure's

6.0 Reference Documents

6.1 MPCB Consent to Operate Renewal

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

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

RED/L.S.I (R57)
No:- Format1.0/CAC/UAN No.MPCB-CONSENT-0000170581/CO/2312001056

Date: 09/12/2023

To,
I G Petrochemicals Ltd.,
Plot Nos. T-1, T-2, T-2/1, V-11, V-12, V-13, V-14 & V-45 Taloja Industrial Area,
MIDC,Taloja, Tal. Panvel, Dist. Raigad - 410 208.

Your Service is Our Duty

Sub: **Consent to 1st Operate for expansion with amalgamation with existing consent, under RED category.**

Ref:
1. Environment Clearance accorded vide No. F. No. J-11011/ 73/ 2016-IAII(I) dtd. 14.03.2022.
2. Environment Clearance amendment accorded vide No. F. No. J-11011/ 73/ 2016-IAII(I) dtd. 06.10.2022.
3. Consent to Operate granted vide No. Format 1.0/ CAC/UAN No.MPCB-CONSENT-0000115836/CR/2207000116 dated 02.07.2022.
4. Conent to Estblaish (Expasnion) granted vide No.:-Format1.0/CAC/UAN No.0000129419/CE/2207000117 dated 02.07.2022
5. Minutes of 15th Consent Appraisal Committee meeting held on 24.11.2023

Your application No.MPCB-CONSENT-0000170581 Dated 11.05.2023

For: grant of Consent to Operate under Section 26 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 operate is granted for a period up to 31/08/2026**
2. **The capital investment of the project is Rs.1494.8758 Crs. (As per C.A Certificate submitted by industry Existing C.I. Rs. 1169.8758 Crs + Increase in C.I. Rs. 325 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Di Ethyl Phthalate/ Di Methyl Phthalate	12600	MT/A
2	Maleic Anhydride	9110	MT/A
3	Phthalic Anhydride	275110	MT/A

I G petrochemicals Ltd/CO/UAN No.MPCB-CONSENT-0000170581/Indus-Id.10321 (09-12-2023 06:35:58 pm) /QMS.PO6_F02/00

Page 1 of 18

Sr No	Product	Maximum Quantity	UOM
4	Benzoic Acid	2000	MT/A
5	Power (Transmitted to Grid)	2.5	MW

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	851	As per Schedule-I	Recycle 675 CMD treated effluent recycled for cooling tower make up, fire-fighting, utility purposes etc. and discharge 220 CMD treated effluent into CETP
2.	Domestic effluent	44	As per Schedule-I	Recycle 100% to achieve ZLD

6.2 Cooling Tower TDS & COC Data

CT – 1	TDS	TH	Silica	COC
Apr-24	871.06	519.33	103.50	7.66
May-24	511.35	310.80	87.20	5.50
Jun-24	826.30	463.20	114.00	7.61
Jul-24	894.80	473.80	87.00	7.11
Aug-24	923.00	494.80	118.00	7.84
Sep-24	675.80	327.30	94.00	4.72
Oct-24	798.50	444.70	62.00	5.61
average	**785.83**	**433.42**	**95.10**	**6.58**

CT – 2	TDS	TH	Silica	COC
Jan-23	878.89	453.57	-	8.12
Feb-23	1061.48	523.40	-	9.35
Mar-23	1065.30	573.60	-	8.99
Apr-23	986.10	423.30	-	8.74
May-23	996.90	459.10	-	7.83
Jun-23	1245.20	516.50	-	10.33
Jul-23	1228.60	568.60	-	9.21
Aug-23	1231.10	582.80	-	9.44
Sep-23	849.80	467.30	-	6.95
Oct-23	855.70	418.20	-	6.22
Nov-23	951.60	460.90	-	8.30
Dec-23	845.00	386.40	-	6.54
Jan-24	1095.80	458.30	-	8.52
Feb-24	1160.70	490.90	-	12.15
Mar-24	468.20	279.90	-	4.74
Apr-24	433.00	296.50	-	3.50
May-24	786.80	465.90	91.03	8.99
Jun-24	1086.10	618.70	122.50	12.20
Jul-24	817.40	470.30	96.42	7.76
Aug-24	734.80	416.00	123.50	6.75
Sep-24	701.90	424.00	95.00	5.62
Oct-24	574.60	329.50	121.00	4.16
average	**733.51**	**431.56**	**108.24**	**7.00**

CT - 3	TDS	TH	Silica	COC
Jan-23	878.80	489.50		8.54
Feb-23	950.30	571.30		9.03
Mar-23	1106.30	593.30	128.30	9.45
Apr-23	1168.70	578.40	101.30	9.22
May-23	915.30	511.40	154.70	8.14
Jun-23	725.30	441.90	118.30	7.74
Jul-23	961.00	604.90	166.20	8.67
Aug-23	972.70	610.10	193.00	8.19
Sep-23	1108.60	621.50	193.20	9.71
Oct-23	1173.00	623.70	195.00	8.44
Nov-23	886.70	540.90	140.00	8.75
Dec-23	1056.50	590.90	168.80	10.00
Jan-24	924.70	506.40	144.40	9.41
Feb-24	994.00	516.00	171.80	9.21
Mar-24	1238.80	580.60	131.50	9.02
Apr-24	1011.90	602.40	119.00	9.20
May-24	995.88	610.50	108.80	10.79
Jun-24	699.80	427.80	50.20	6.75
Jul-24	1037.70	592.40	121.00	8.77
Aug-24	1046.40	586.70	136.00	9.60
Sep-24	701.60	402.80	107.66	6.24
Oct-24	1003.80	599.00	150.14	7.56
average	**928.15**	**545.94**	**113.26**	**8.42**

CT - 4	TDS	TH	Silica	COC
Apr-24	890.3	556.0	117.7	8.4
May-24	963.6	618.9	85.9	10.9
Jun-24	1047.0	610.4	110.1	10.0
Jul-24	1051.9	574.6	128.2	8.5
Aug-24	1089.9	553.8	126.0	8.8
Sep-24	557.7	341.0	110.6	4.9
Oct-24	826.7	478.5	126.1	6.0
average	**918.16**	**533.31**	**114.95**	**8.22**

CT - 5	TDS	TH	Silica	COC
Feb-24	540.5	403.4	86.1	5.8
Mar-24	881.1	553.0	69.2	7.6
Apr-24	516.0	317.3	42.2	4.6
May-24	755.5	496.0		8.3
Jun-24	547.0	284.0		4.8
Jul-24				
Aug-24				
Sep-24	626.2	324.4	79.0	4.6
Oct-24	828.2	519.8	115.2	6.5
average	**654.58**	**388.30**	**78.79**	**5.77**

6.3 ETP Inlet Effluent Sample Analysis Report

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018
Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025.
Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222. E-mail: pglab@aespl.co.in
Tel: 9112844844. CIN: U74999MH2001PTC132101 UDYAM-MH-19-0029787

TC-7085

Test Report
(Wastewater)

Ref. No.: AESPL/LAB/C/W-24/10/23 **Issue Date:** 14/10/2024

Name of Customer	:	I.G. Petrochemicals Ltd.			
Name of Site	:	Plot No. T1/T-2, Taloja Industrial Area, MIDC, Taloja, Dist. Raigad, Maharashtra 410208			
Nature of Sample	:	Effluent	**Location of Sample**	:	ETP Inlet
Date of Sample Drawn	:	04/10/2024	**Time of Sample Drawn**	:	11:30 am
Sample Drawn By	:	AESPL	**Transported By**	:	AESPL
Date of Sample Receipt	:	05/10/2024	**Sample Identification**	:	W-24/10/23
Sample Quantity & Container	:	**A**-1lit, Plastic can; **F**-1lit, Plastic can & **B**-500 ml, Amber colored Glass bottle			
Date of Sample Analysis	:	05/10/2024 to 11/10/2024			
Environmental Conditions at site	:	Water Temperature: 27°C, Air Temperature: 34°C, Surrounding was clean.			
Transportation Condition	:	A: pH <2.0 with H_2SO_4, B: pH <2.0 with H_2SO_4 & F: < 6°C Water Temperature: < 6°C, Cold storage.			
Project/ Job number	:	IG-AMC/24-25/00029 dtd 08 April 2024			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/W-01			
Environmental Condition while Testing	:	Ambient Temperature: 29.8°C and Humidity: 75%			

Sr. No.	Parameter	Result	Method of analysis
1.	pH @ 25°C	6.37	APHA-2023(4500H+-B)
2.	Suspended Solids @ 103°C, mg/l	32	APHA-2023(2540-D)
3.	Chemical Oxygen Demand, mg/l	6250	APHA-2023(5220-B)
4.	Biochemical Oxygen Demand @ 27°C for 3 days, mg/l	2100	IS-3025 (P- 44) 2023
5.	Total Dissolved Solids @ 180°C, mg/l	2010	APHA-2023(2540-C)
6.	Chloride as Cl^-, mg/l	340	APHA-2023(4500Cl^--B)
7.	Sulphate as SO_4^{2-}, mg/l	320	APHA-2023(4500SO_4^{2-}-E)
8.	Ammoniacal Nitrogen as NH_3, mg/l	< 0.56	APHA-2023(4500NH_3-B&C)
9.	Oil & Grease, mg/l	< 2.0	IS-3025 (P-39) 2021

Note:
1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil
(Authorized Signatory)

Himani P. Joshi
(Report Reviewed By)

-End of Test Report-

We Are Listening & Want to Improve - Complaint Register is Available with us Page 1 of 1
Reg. Office: 110, Hiren Light Industrial Estate, Mogul Lane, Mahim, Mumbai - 400016Tel: 022 42127500 E-mail: contact@aespl.co.in

6.4 ETP Outlet Effluent Sample Analysis Report

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018
Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025.
Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in
Tel: 9112844844, CIN: U74999MH2001PTC132101 UDYAM-MH-19-0029787

TC-7085

Test Report
(Wastewater)

Ref. No.: AESPL/LAB/C/W-24/10/24 **Issue Date:** 14/10/2024

Name of Customer	:	I.G. Petrochemicals Ltd.			
Name of Site	:	Plot No. T1/T-2, Taloja Industrial Area, MIDC, Taloja, Dist. Raigad, Maharashtra 410208			
Nature of Sample	:	Effluent	**Location of Sample**	:	ETP Outlet
Date of Sample Drawn	:	04/10/2024	**Time of Sample Drawn**	:	11.40 pm
Sample Drawn By	:	AESPL	**Transported By**	:	AESPL
Date of Sample Receipt	:	05/10/2024	**Sample Identification**	:	W- 24/10/24
Sample Quantity & Container	:	**A**-1lit, Plastic can; **F**-1lit, Plastic can & **B**-500 ml, Amber colored Glass bottle			
Date of Sample Analysis	:	05/10/2024 to 11/10/2024			
Environmental Conditions at site	:	Water Temperature: 27°C, Air Temperature: 34°C, Surrounding was clean.			
Transportation Condition	:	A: pH <2.0 with H_2SO_4, B: pH <2.0 with H_2SO_4 & F: < 6°C Water Temperature: < 6°C, Cold storage.			
Project/ Job number	:	IG-AMC/24-25/00029 dtd 08 April 2024			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/W-01			
Environmental Condition while Testing	:	Ambient Temperature: 29.8°C and Humidity: 75%			

Sr. No.	Parameter	Result	MPCB Consent Limit	Method of analysis
1.	pH @ 25°C	7.28	5.5 to 9.0	APHA-2023(4500H^+-B)
2.	Suspended Solids @ 103°C, mg/l	14	< 100	APHA-2023(2540-D)
3.	Chemical Oxygen Demand, mg/l	20	< 250	APHA-2023(5220-B)
4.	Biochemical Oxygen Demand @ 27°C for 3 days, mg/l	6.9	< 100	IS-3025 (P- 44) 2023
5.	Total Dissolved Solids @ 180°C, mg/l	650	< 2100	APHA-2023(2540-C)
6.	Chloride as Cl^-, mg/l	180	< 600	APHA-2023(4500Cl^--B)
7.	Sulphate as SO_4^{2-}, mg/l	200	< 1000	APHA-2023(4500SO_4^{2-}-E)
8.	Ammoniacal Nitrogen as NH_3, mg/l	< 0.56	< 50	APHA-2023(4500NH_3-B&C)
9.	Oil & Grease, mg/l	< 2.0	< 10	IS-3025 (P-39) 2021

Conformity Statement: Water sample is within permissible limits prescribed by MPCBw.r.t. above mentioned tests.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.

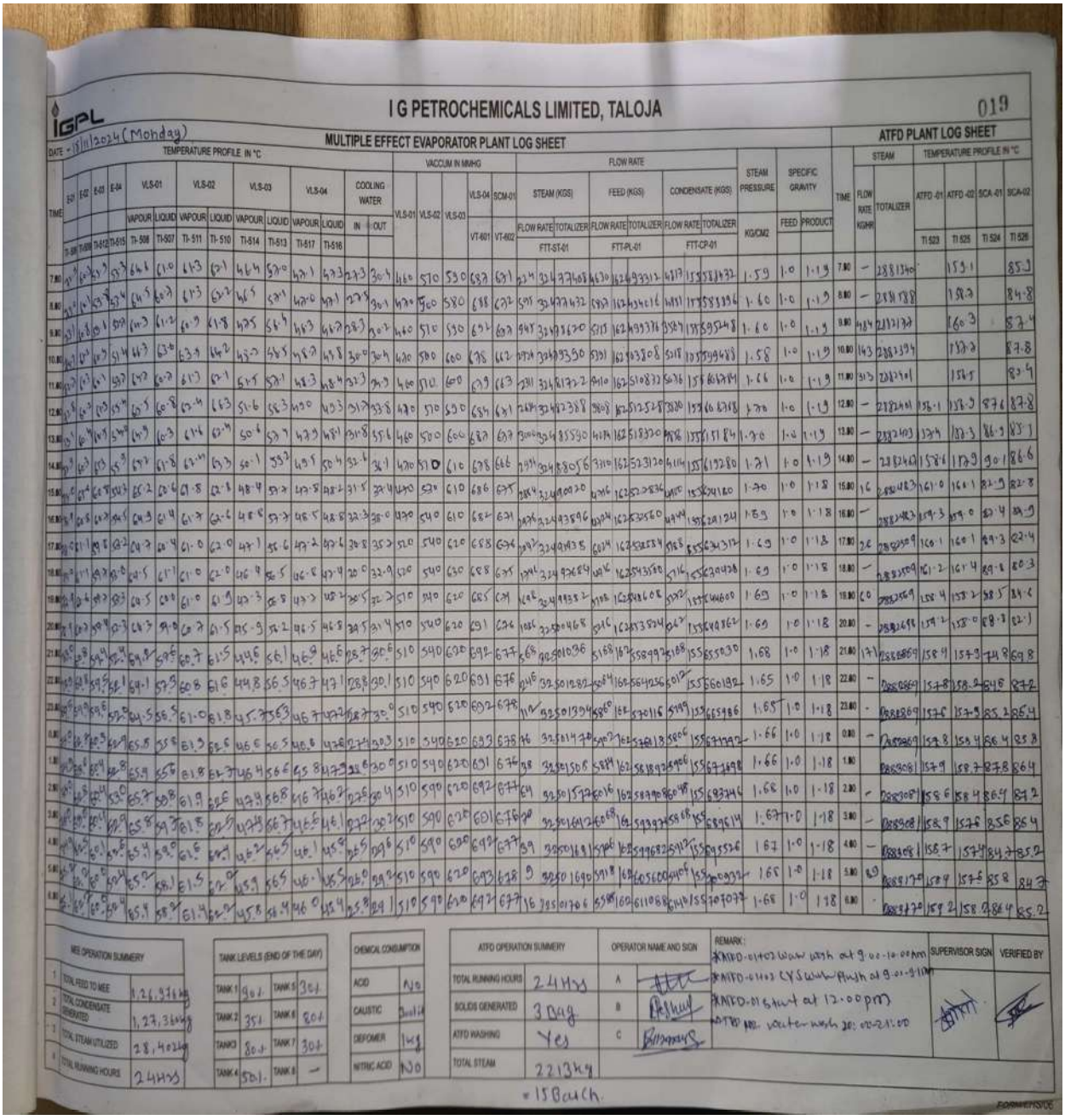
ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

6.5 MEE Operating Log Sheet Sample Copy



I G PETROCHEMICALS LIMITED, TALOJA

019

MULTIPLE EFFECT EVAPORATOR PLANT LOG SHEET

ATFD PLANT LOG SHEET

DATE - 18/11/2024 (Monday)

TIME	TEMPERATURE PROFILE IN °C														VACCUM IN MMHG					FLOW RATE						STEAM PRESSURE	SPECIFIC GRAVITY		ATFD PLANT LOG SHEET							
	E-01	E-02	E-03	E-04	VLS-01		VLS-02		VLS-03		VLS-04		COOLING WATER		VLS-01	VLS-02	VLS-03	VT-601	SCM-01 VT-602	STEAM (KGS)		FEED (KGS)		CONDENSATE (KGS)				TIME	STEAM		TEMPERATURE PROFILE IN °C				
					VAPOUR	LIQUID	VAPOUR	LIQUID	VAPOUR	LIQUID	VAPOUR	LIQUID	IN	OUT						FLOW RATE	TOTALIZER	FLOW RATE	TOTALIZER	FLOW RATE	TOTALIZER	KG/CM2	FEED	PRODUCT		FLOW RATE KG/HR	TOTALIZER	ATFD-01	ATFD-02	SCA-01	SCA-02
	TI-501	TI-502	TI-512	TI-515	TI-508	TI-507	TI-511	TI-510	TI-514	TI-513	TI-517	TI-516								FFT-ST-01		FFT-PL-01		FFT-CP-01							TI-523	TI-525	TI-524	TI-526
7.00	57	60	53	64	61	61	62	62	46	53	47	47	27	30	560	570	530	687	631	324	324	77408	4630	162	69332	4633	155	58832	1.59	1.0	1.19	7.00	–	2881340		155.1		85.3
8.00	57	58	54	64	61	60	63	62	46	53	47	47	27	30	570	560	580	688	632	325	324	77432	4633	162	69346	4631	155	58839	1.60	1.0	1.19	8.00	–	2884788		158.3		84.8
9.00	57	60	56	59	60	61	62	60	47	54	47	47	28	30	560	570	530	691	633	326	324	77620	4635	162	69337	4636	155	58954	1.60	1.0	1.19	9.00	484	2887274		160.3		87.4
10.00	57	60	57	64	63	63	64	63	48	56	48	48	30	30	560	580	600	698	672	327	324	77808	4635	162	69338	4635	155	58948	1.58	1.0	1.19	10.00	143	2888394		158.3		87.8
11.00	57	61	57	64	62	61	63	62	51	58	48	48	32	30	560	570	600	679	683	327	324	81732	4640	162	69340	4636	155	58947	1.66	1.0	1.19	11.00	313	2891701		158.5		87.4
12.00	57	58	57	65	62	63	63	63	51	58	49	49	33	33	560	570	590	684	681	328	324	82388	4640	162	69342	4638	155	58947	1.70	1.0	1.19	12.00	–	2892401	158.1	158.3	87.6	87.8
13.00	57	60	57	64	63	64	63	64	50	57	47	48	31	33	560	580	600	687	689	329	324	85590	4638	162	69344	4638	155	58951	1.70	1.0	1.19	13.00	–	2892403	157.4	157.3	86.9	87.1
14.00	57	60	57	65	63	61	63	63	50	57	49	50	32	34	570	580	610	678	699	329	324	88056	4640	162	69346	4641	155	59280	1.71	1.0	1.19	14.00	–	2892462	158.6	157.9	90.1	86.6
15.00	57	61	58	65	62	61	62	62	48	54	48	48	31	32	570	580	610	686	697	329	324	90030	4640	162	69346	4640	155	59280	1.70	1.0	1.18	15.00	16	2892483	161.0	160.1	82.9	82.8
16.00	58	62	59	65	64	64	64	64	48	54	48	48	32	33	570	580	610	684	691	329	324	93896	4640	162	69346	4640	155	59281	1.69	1.0	1.18	16.00	–	2892483	159.3	159.0	83.4	83.9
17.00	57	61	58	64	63	64	62	62	47	55	46	47	30	35	570	580	620	688	696	329	324	97435	4640	162	69346	4640	155	59281	1.69	1.0	1.18	17.00	26	2892509	160.1	160.1	84.3	82.4
18.00	57	61	58	64	64	61	61	62	46	55	46	47	30	32	570	580	630	688	697	329	324	97684	4640	162	69346	4640	155	59281	1.69	1.0	1.18	18.00	–	2892509	161.2	161.4	84.8	80.3
19.00	57	61	58	64	64	61	61	62	46	55	46	47	30	32	570	580	630	688	697	329	324	97832	4640	162	69346	4640	155	59281	1.69	1.0	1.18	19.00	60	2892569	158.4	158.2	85.5	84.6
20.00	57	61	58	64	64	61	61	62	46	55	46	47	30	32	570	580	630	691	696	329	324	98468	4640	162	69346	4640	155	59281	1.69	1.0	1.18	20.00	–	2892569	159.2	158.0	88.3	82.1
21.00	57	61	58	64	64	61	61	62	46	55	46	47	30	32	570	580	630	692	697	329	325	01036	4640	162	69346	4640	155	59281	1.68	1.0	1.18	21.00	171	2893869	158.4	157.3	74.9	69.8
22.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	691	696	329	325	01282	4640	162	69346	4640	155	59281	1.65	1.0	1.18	22.00	–	2893869	157.8	158.2	84.8	87.2
23.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	692	696	329	325	01334	4640	162	69346	4640	155	59281	1.65	1.0	1.18	23.00	–	2893869	157.6	157.9	85.2	86.4
0.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	693	698	329	325	01478	4640	162	69346	4640	155	59281	1.66	1.0	1.18	0.00	–	2893869	158.8	159.4	86.4	85.8
1.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	691	697	329	325	01506	4640	162	69346	4640	155	59281	1.66	1.0	1.18	1.00		2893869	157.9	158.7	87.8	86.4
2.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	692	697	329	325	01577	4640	162	69346	4640	155	59281	1.68	1.0	1.18	2.00	–	2893908	158.6	158.4	86.4	87.2
3.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	691	697	329	325	01641	4640	162	69346	4640	155	59281	1.67	1.0	1.18	3.00	–	2893908	158.9	157.8	85.6	85.4
4.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	693	697	329	325	01688	4640	162	69346	4640	155	59281	1.67	1.0	1.18	4.00	–	2893908	158.7	157.6	84.7	85.2
5.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	693	698	329	325	01690	4640	162	69346	4640	155	59281	1.65	1.0	1.18	5.00	60	2893978	158.9	157.6	85.8	84.7
6.00	57	61	58	64	64	61	61	62	46	55	46	47	28	30	570	580	630	693	697	329	325	01706	4640	162	69346	4640	155	59281	1.68	1.0	1.18	6.00	–	2893978	159.2	158.0	86.4	85.2

MEE OPERATION SUMMERY	
1 TOTAL FEED TO MEE	1,26,976kg
2 TOTAL CONDENSATE GENERATED	1,27,36kg
3 TOTAL STEAM UTILIZED	28,402kg
4 TOTAL RUNNING HOURS	24Hrs

TANK LEVELS (END OF THE DAY)			
TANK 1	90%	TANK 5	30%
TANK 2	35%	TANK 6	80%
TANK 3	80%	TANK 7	30%
TANK 4	50%	TANK 8	–

CHEMICAL CONSUMPTION	
ACID	N/A
CAUSTIC	3bottle
DEFOMER	1kg
NITRIC ACID	N/A

ATFD OPERATION SUMMERY	
TOTAL RUNNING HOURS	24Hrs
SOLIDS GENERATED	3 Drg
ATFD WASHING	Yes
TOTAL STEAM	2213kg

OPERATOR NAME AND SIGN: A, B, C

REMARK:
*ATFD-01&02 Wash with at 9.00-10.00Am
*ATFD-01&02 CYS with Alkali at 9.00-9.11Pm
*ATFD-01&02 Hint at 12.00pm
*ATFD-01&02 water wash at 20:00-21:00

SUPERVISOR SIGN

VERIFIED BY

*15Batch.

-- End of report --

ANNEXURE XXXIII

COMPLIANCE INITIATIVE

ELIMINATION OF SINGLE USE PLASTICS

An initiative of

M/s IG PETROCHEMICALS LTD

T-2 MIDC TALOJA, DIST: RAIGAD
PIN-410208

Executed by

ORIEARTH
NATURE FOUNDATION

(Sec 12A, Sec 80G and CSR-1 registered)

Website: www.oriearth.org
Email: info@oriearth.org Ph: 9922684278 / 9619487376
CIN NO.: U8500PN2020NPL193980 I Register No.: 193980
Address: 17/4, Mangal Nagar, Wakad Road, Thergoan, Pune-411033

Introduction

Single use Plastic is one of the biggest issue that impacts our daily lives and also cause enormous damage to the environment. It has a much bigger social footprint and elimination of single use plastics has to be evaluated from 3 fronts:

1. The impact on Environment
2. The impact on the lives of Flora and Fauna
3. The impact on Society

While various governments across different countries and even in India have tried to ban the sale and consumption of single use plastics, these attempts have only been partially successful as the approach has not been holistic with environment friendly alternatives to replace this cheap option not made available.

Not withstanding the success ratio, it is imperative that organizations and the government should continue to emphasize the importance of this initiative using different approaches to educate, enlighten and bring about a psychological change in the attitude of society towards this critical task.

M/s IG Petrochemicals Ltd, a socially and environmental conscious organization, had decided to undertake such an initiative in 3 villages; Pale, Kolwadi and Valap, which are situated close to their location at Taloja to educate and to try and mitigate the serious damage to environment caused by single use plastics. Oriearth Nature Foundation was identified to take forward this message to the villagers in the 3 identified villages and to bring about a change in the mindset of the villagers.

The Plan

Oriearth Nature Foundation, identified various methodologies that could be adopted to uniquely spread the message and succeed in this mission of involving villagers in bring about the change that we desire in society.

The plan included the following initiatives:

1. Involving the senior authorities in each village including the Sarpanch
2. Involving female residents as they are instrumental in bringing about the change in each family
3. Conducting Street plays to convey the message
4. A rally within the village using posters to spread the message
5. Show them the way by collecting single use plastics lying around the villages
6. Distribute Cloth bags which are an eco-friendly option. Using heavy duty cloth bags will eliminate the need to seek plastic bags to carry vegetables and provisions
7. Distribute reusable steel bottles to eliminate the need for buying plastic bottles for drinking water

The action undertaken

On 26th of February 2023, volunteers, and staff of both IGPL and Oriearth Nature Foundation headed towards Panvel from Pune. Along with 41 volunteers, which included 3 coordinators and a few staff members from Fergusson College and H.V. Desai college, Pune gathered at a fixed pick-up location at 7-30 AM and started the journey from Pune.

VILLAGE 1 – PALE

Upon arrival at 11 AM, all the local villagers led by the Sarpanch, welcomed the IGPL team as well as all the others. Breakfast was served in the temple's courtyard which is situated in front of Pale Gram panchayat. The inauguration was followed by a brief felicitation of all the representative members by the Grampanchayat valuing the importance of the initiative.

Shir J.K Saboo, Executive Director of IGPL, along with his colleagues Shri Pinto and Shri Hariharan were welcomed by Sarpanch and other members of gram panchayat, along with student representatives, volunteers and the team from Oriearth were also welcomed.


IGPL
अभियान

After inauguration distribution of eco-friendly products to villagers, products such as cloth bags, and metal bottles were distributed.

After distribution by company staff, volunteers presented a street play focusing on the issue of single use plastic among the general population, highlighted points were –

1. Importance of break on single use plastic
2. Problems caused due to use of single use plastic
3. Solutions to be applied at the local level by villagers

The street play met with very encouraging response from the villagers and they undertook a pledge to put in their best efforts to eliminate single use plastics from their village

Continuing after the play, the volunteers and everyone along with locals started a plastic waste collection drive throughout the village with delivering awareness about threats and solutions about single use plastic use in daily life. After collection of substantial amounts of plastic waste from all over the village, the collected waste was later given and/or disposed of through proper authority.

Continuing with the drill to the next village, all the volunteers and staff of Oriearth Nature foundation headed to the next village

VILLAGE 2 – KOLWADI

Upon arriving at village Kolwadi, the volunteers gathered the local village crowd by conducting the street play once again. Awareness speech in local language with inspiring quotes was spread among the crowd. Followed by the play, plastic cleanliness drive in biodegradable bin bag was carried out by everyone preset.

Distribution of eco-friendly products was again carried out among the village locals who participated in the cleanliness drive. Distribution was conducted by Oriearth Nature Foundation members, & also gram panchayat members to all the participating villagers. Here too, the response from local villagers, especially the women, were phenomenal. They were very keen to take forward the knowledge that they received on the easy methods that they can adopt in their daily lives to prevent the use of plastics which has a direct impact on their lives and the health

of their family.

The Sarpanch of the Kolwadi arranged lunch & refreshments for everyone & following the lunch a place for relaxation for all the students and everyone else. After lunch the group went to the next village.

VILLAGE 3 – VALAP

The initiative at Village Vallap also started with the street play which brought out the villagers form their home, The street play was met with encouraging claps from all the villagers present

Next an awareness rally with plastic collection drive was conducted with the villagers. Subsequently, the distribution of eco-friendly bags and metal bottles was carried out

The staff of Valap village primary school provided excellent support in conducting the distribution and conducting the awareness program. The locals were very inspired because of the awareness campaign and understood its importance. They too undertook a pledge to keep their village clean and green and requested us to come again to explain what more can be done to ensure sustainable practices can be followed in future

Certificates for participation for all the present villagers were distributed by Oriearth Nature Foundation in all the 3 villages.

CONCLUSION

Our observations from the initiatives are as under:

1. Villagers in general are very receptive to the idea of environmental protection and following of sustainable practices.
2. The villagers need constant guidance for atleast couple of years after which elimination of single use plastics will become a habit
3. Cheaper but environmental friendly options for daily use items to be devised which can bring about a faster adoption of sustainable practices within the villages
4. Street plays reflecting the daily challenges faced by villagers and smart options to eliminate the difficulties are much more receptive and well understood by villagers. Simply putting up advertisements and banners will not bring about the desired change in the mindset of the people
5. Villagers like to be understood and authorities should not try the option of 'One size fit's all'. Each village has a different set of challenge and we must help them find the suitable solution that best meets with their geography and social culture

After a very enlightening day with the 3 villagers, the volunteers left back for Pune with a great sense of achievement and a much deeper understanding of the daily life challenges faced by villagers. Environmental issues need to addressed at a local level and smart solutions can be found if we try and find a mid-path. We are travelling on the village road and not on an expressway. Solutions must be cheap to be accepted. We must try to understand the villagers and help them find the solution that best suits their need

We @ Oriearth Nature Foundation would like to express our sincere thanks to the management of M/s IG Petrochemicals Ltd for believing in us and giving us an opportunity to work on the critical initiative of '**Elimination of Single Use Plastics'.** For us it was an eye-opener to reflect on why change is always believed to be difficult. The problem lies in our understanding of the challenge at a grass root level

Dr. Vinayak Chavan
Director
ORIEARTH NATURE FOUNDATION

Mr. Jeevan Shewale
Director
ORIEARTH NATURE FOUNDATION

ORIEARTH NATURE FOUNDATION ★ PUNE 411033

ORIEARTH
NATURE FOUNDATION

Connect – Contribute - Conserve

Social Media: Facebook/Twitter/Instagram/LinkedIn/Youtube: @Oriearth Nature Foundation
Email Us: info@orierath.org Website: www.oriearth.org

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Social Media: Facebook/Twitter/Instagram/LinkedIn/Youtube: @Oriearth Nature Foundation
Email Us: info@orierath.org Website: www.oriearth.org

ANNEXURE XXXIV

SKILL DEVELOPMENT

Skill Development Initiative at Ghot Camp (Koyana Vele)

M/s IG PETROCHEMICALS LTD

T-2 MIDC TALOJA, DIST: RAIGAD

PIN-410208

By

SKILL DEVELOPMENT PROGRAM IN GHOT CAMP BY I G PETROCHEMICAL LTD.

INTRODUCTION -

In this report, highlights various skill development activities undertaken for various age groups such as dry snacks, dairy products, paper bags, Bandhani materials and solar panel installation maintenance etc. The rural community has a lot of potential to become self-sufficient and improve their quality of life by utilizing the resources they have available. By using the skills and knowledge gained through these skill development training, trainees can make the most of what they have and develop new skills to help you thrive. We explored the various ways in which they can use **dry snacks** and homemade **dairy products** to not only provide healthy and nutritious food for their family but also generate income through the sale of these products. Training also looked for how to create sustainable and environmentally eco-friendly **paper bags** as a viable business opportunity. Moreover, we dived into the art of **Bandhani** material, a traditional fabric dyeing technique that is unique to India. Trainees learned how to create beautiful patterns and designs, and how to turn your creations into a profitable business venture. Finally. we explored the potential of **solar energy** and how it can be used to power home and business, reduce your electricity bills, and create a sustainable and eco-friendly future. By the end of this workshop, trainees gained valuable knowledge of these resources to create a better future for themselves and local communities.

The program was held on 30th April 2023, in Ghot Camp area, which was funded by M/s IG Petrochemical Ltd and executed by M/s Oriearth Nature Foundation, with help of by Shree Kedar Nath Krida Mandal, Shree Kedar Nath Koyanavele Gram Vikas Mandal, Shree Waghjayi Mahila Mandal, Koyanavele in presence of authorities of IGPL namely Mr. Ronald Pinto, Mr. Hariharan and Mr. More. For the rural localities this program was held to provide the knowledge of those various factors. The local social group “MAHILA BACHAT GAT” women were also present for this workshop. The purpose of this program is to provide the various skills to the locals for.

Skill Development Training:

Following training were conducted at Ghot Camp (Koyana Vele) and total of 74 local people participated in this skill development initiative.

1. Dry Snacks Food:

A total of 24 women trainees were participated. Dry snacks, also known as shelf-stable snacks, are food products that have a longer shelf life than fresh snacks due to their low moisture content. These snacks are typically pre-packed and can be easily transported, making them popular in rural areas where access to fresh food may be limited. The usage of dry snacks in rural areas can have several benefits for skill development. First, it can promote entrepreneurship by providing an opportunity for individuals to start small businesses selling these snacks. This can help to develop skills in marketing, sales, and finance.

Second, dry snacks can be used in cooking and meal preparation, which can help to develop culinary skills. In addition, these snacks can be stored through food preservation techniques such as pickling and dehydrating, which can help to develop knowledge and skills in food preservation. Finally, the consumption of dry snacks can

provide a convenient and nutritious source of energy for individuals who may not have access to fresh produce or other perishable foods. This can help to promote good health and well being, which is essential for skill development and productivity. Overall, the usage of dry snacks in rural areas can have a positive impact on skill development by promoting entrepreneurship, developing culinary skills, and providing a convenient and nutritious source of energy.

List of Dry Snacks food items prepared during the training session list-

- Popcorn
- Shegdana Chikki
- Bhadang Chiwda
- Alepak
- Spicy Penuts, Spicy Chana
- Rajgira ladoo
- Potato Chips
- Macca Chivda

2. Dairy Products:

A total of 15 women trainees were participated**.** Dairy products are a vital component of a healthy and balanced diet. They are rich in essential nutrients such as calcium, vitamin D, protein, and other minerals that are important for the growth and development of our body. Dairy products have been a part of the human diet for centuries, and they have proven to be an important source of nutrition, especially for rural communities.

Dairy products can play an important role in meeting their nutritional needs. Additionally, dairy products are a good source of income for rural communities, as they can be easily produced and sold in local markets. To promote the usage and benefits of dairy products for health and nutrition in rural communities, a skill development workshop was organized. This workshop was designed to provide participants with the knowledge and skills needed to produce and market high-quality dairy products. The workshop covered topics such as the importance of dairy products in a balanced diet, the basics of dairy production, quality control, and marketing

strategies. Participants could learn how to produce dairy products such as milk, yogurt, cheese, and butter, using locally available resources. By attending this workshop, local population can benefit from this knowledge and skills gained, which can help improve their health and economic well-being. With proper training and support, rural communities can produce high-quality dairy products that meet the demands of local markets, and generate income for themselves and their families.

In conclusion, the usage and benefits of dairy products for health and nutrition are numerous, especially in rural communities. Organizing skill development workshops to teach the production and marketing of quality dairy products can help improve the overall health and economic well-being of rural communities.

List of dairy products/food items prepared during the training session list-

- Milk based sweets
- Butter
- Curd derived products

3. Paper Bags:

A total of 10 women trainees participated in this training. Paper bags are a popular and eco-friendly alternative to plastic bags for carrying items such as groceries, clothing, and gifts. Here are some of the benefits of using paper bags:

Biodegradable and recyclable: Unlike plastic bags, paper bags are biodegradable and can be easily recycled, reducing the amount of waste that ends up in landfills.

Renewable resource: Paper bags are made from wood pulp, a renewable resource that can be grown and harvested sustainably.

Strength and durability: Paper bags are strong and durable, and can hold heavy items without tearing.

Cost-effective: Paper bags are often less expensive than reusable bags, making them an affordable option for businesses and consumers.

Customization: Paper bags can be customized with logos, designs, and colors, making them a great branding tool for businesses.

Versatile: Paper bags come in a variety of sizes and styles, making them suitable for a wide range of applications.

Aesthetic appeal: Many people prefer the look and feel of paper bags over plastic bags, as they can be more aesthetically pleasing and have a more natural, organic appearance.

Overall, paper bags are a sustainable and practical choice for carrying items, and can help reduce the environmental impact of plastic bags.

4. Bandhani:

A total of 15 women trainees participated in this workshop. Bandhani is a traditional textile art form that is commonly practiced in the rural areas of India, particularly in the state of Gujarat and Rajasthan. It involves tie-dyeing fabric with small, intricate patterns using a resist dyeing technique. Bandhani fabrics are often used to create sarees, dupattas, and other traditional Indian garments.

Teaching the knowledge of Bandhani culture and materials to people in rural areas can be an effective way to promote skill development and economic empowerment.

The history and Significance of Bandhani: Bandhani is a traditional tie-dye textile art that has its roots in the culture and history of India. It is believed to have originated in the state of Gujarat, which has a rich history of textile production and trade. The word "Bandhani" comes from the Sanskrit word "bandh" which means to tie or bind. Bandhani involves tying small portions of the fabric with thread or string before dyeing it to create intricate patterns and designs. The tied areas resist the dye and create a beautiful pattern when the fabric is untied. The history of Bandhani dates back to over 5000 years when the Indus Valley Civilization flourished in the region. The discovery of terracotta figures wearing Bandhani-style clothes suggests that the technique was prevalent during that period. Bandhani has also been mentioned in ancient texts such as the Rigveda and the Jataka Tales.

Over time, Bandhani became an integral part of the cultural identity of the people of Gujarat and Rajasthan. It was used to create a wide range of textiles, from saris and dupattas to turbans and men's shirts. Bandhani also became an important part of the bridal trousseau and was considered a symbol of status and wealth. Today, Bandhani is still widely produced and worn in India and has also gained popularity globally. It is celebrated as a symbol of India's rich cultural heritage and has been recognized as an

intangible cultural heritage by UNESCO. Bandhani is an integral part of the culture and heritage of India, particularly in the regions of Gujarat and Rajasthan. It holds significant cultural and social significance for the people who create and wear it.

Bandhani is considered a symbol of good luck and prosperity. It is often worn on special occasions such as weddings, festivals, and religious ceremonies. It is believed that wearing Bandhani brings good fortune and blessings. Bandhani is an important part of the cultural identity of the people of Gujarat and Rajasthan. The intricate patterns and designs created using the tie-dye technique are unique to the region and are recognized as a hallmark of their cultural heritage. Bandhani has been passed down from generation to generation, and the knowledge and skills required to create this textile art are closely guarded and protected. Many families in Gujarat and Rajasthan have been involved in the production of Bandhani for generations, and it is an important part of their cultural legacy. The production of Bandhani provides a source of livelihood for many artisans and weavers in the region. It is a labour-intensive process that requires skilled hands and attention to detail. By supporting the

production and sale of Bandhani, we can help sustain the livelihoods of these artisans and preserve the tradition of this beautiful art form.

5. Solar installation and Maintainace:

A total of 10 trainees actively participated in this workshop. Solar energy is a renewable and sustainable source of energy that is generated from the sun's rays. It is becoming increasingly popular as a source of electricity and has numerous benefits, some of which are listed below:

Clean and renewable: Solar energy is a clean and renewable source of energy. It does not produce any harmful emissions or pollutants that can harm the environment or contribute to climate change.

Cost-effective: The cost of solar panels has decreased significantly over the years, making it a cost-effective source of electricity in many parts of the world. Once installed, solar panels require very little maintenance and can generate electricity for decades.

Energy independence: Solar energy can provide energy independence, especially for remote locations that are not connected to the grid. This can be especially beneficial for developing countries and rural areas.

Reduces carbon footprint: Using solar energy reduces our reliance on fossil fuels, which are finite and contribute to climate change. By using solar energy, we can reduce our carbon footprint and help mitigate the effects of climate change.

Salable: Solar energy is salable, which means it can be used to power small homes or even large cities. It can also be used to power transportation, such as electric cars and buses.

Job creation: The solar energy industry has created millions of jobs worldwide, ranging from manufacturing and installation to maintenance and research. Increased property value: Installing solar panels on a home or business can increase the property value and make it more attractive to potential buyers or renters. Overall, solar energy is a clean, renewable, and cost-effective source of energy that has numerous benefits for the environment, economy and society.

Conclusion

The skill development activities conducted in the rural community have the potential to bring about significant positive changes in the lives of the participants. The workshops focused on various areas, including dry snacks, dairy products, paper bags, Bandhani materials, and solar panel installation maintenance. The usage of **dry snacks** in rural areas not only provides a convenient and nutritious source of energy but also promotes entrepreneurship and develops

culinary skills. By producing and selling dry snacks, individuals can generate income and enhance their marketing, sales, and financial skills.

Dairy products, rich in essential nutrients, were emphasized as a vital component of a healthy diet. The workshops provided participants with the knowledge and skills to produce high-quality dairy products, such as milk-based sweets, butter, and curd-derived products. This not only promotes health and nutrition in rural communities but also offers income-generating opportunities through local markets. The promotion of **eco-friendly paper bags** as an alternative to plastic bags is an essential step towards sustainability. Paper bags, being biodegradable and recyclable, contribute to reducing waste in landfills. They also serve as a cost-effective branding tool for businesses while providing aesthetic appeal to consumers.

The Bandhani workshop focused on preserving and promoting the traditional textile art form, which has cultural and historical significance in India. By imparting the knowledge and skills of Bandhani to the participants, the workshop aimed to empower rural communities economically and preserve this unique art form.

Lastly, the training on **solar panel installation** and **maintenance** introduced the participants to the benefits of solar energy, such as its renewable nature, cost-effectiveness, energy independence, and reduced carbon footprint. By embracing solar energy, rural communities can reduce their reliance on fossil fuels, create job opportunities, and contribute to a sustainable future.

Overall, these skill development activities have the potential to transform the lives of the rural population by equipping them with valuable skills, promoting entrepreneurship, enhancing nutrition, fostering sustainability, and empowering them economically. By harnessing their

resources and knowledge, the participants can create a better future for themselves and their communities.

Dr. Vinayak Chavan
Director
ORIEARTH NATURE FOUNDATION

Mr. Jeevan Shewale
Director
ORIEARTH NATURE FOUNDATION

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ORIEARTH
NATURE FOUNDATION

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Email Us: info@orierath.org Website: www.oriearth.org

ANNEXURE XXXV

VOC EMISSION MONITORING at VULNERABLE POINTS.

Sr. No.	Location	Parameter	Result	Limiting Standard
1	T-1301 B (Exhaust)	Ortho Xylene	3.26	100 ppm
2	T-1301 D	Ortho Xylene	2.41	100 ppm
3	Tank Farm Area (Near ETP)	Ortho Xylene	<0.5	100 ppm

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.

ANNEXURE XXXVI

I G PETROCHEMICALS LIMITED

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

25/06/2024

Sub Financial Closure of expansion project

Ref- EC no EC No. J-11011/73/2016-IA-II(I) Dated: 14th March 2022. EC AMENDMENT F. No. J-11011/73/2016-IA-II(I) Dated -6th October, 2022

Dear Sir,

This communication is in compliance to general condition (x) of above referred Environment Clearance. The project was started on 09/07/2022 after receipt of EC letter (dated 14th Mar 2022) and CTE (dated 2nd July 2022) from Maharashtra Pollution Control Board.
IGPL has completed the expansion of Phthalic Anhydride, Maleic Anhydride & Benzoic Acid of referred in above Environmental Clearance, has been financially closed. Consent To Operate has granted by Maharashtra Pollution Control Board on 09/12/2023. The expanded capacity plant has been commissioned in the month of February 2024.
The estimated capital investment as given in EC application -Rs 325 Crs. Actual capital expenditure incurred – Rs 335.05 Crs.

This is for your information.

Thanking you,

For I G PETROCHEMICALS LTD,

SAGAR JADHAV
EXECUTIVE DIRECTOR

IGPL PETROCHEMICALS LIMITED TALOJA MIDC

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CC - 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