I G PETROCHEMICALS LIMITED

Date: 1st Dec 2024

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/ 2016- IA-II (I), Dated: 18th July, 2017 & amendment in same is received on 20th February 2018.**

Dear Sir,

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

Thanking You,
Yours faithfully

(Sagar Jadhav)
Executive Director

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

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Ref	**PA-I EXPANSION EC COMPLIANCE REPORT APR 2024 - SEPT 2024** **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 2023-MARCH 2024 full year	**APR 2024 - SEPT 2024**	
Phthalic Anhydride	PAI+PAII90000 MTPA PAI EXP 26110	275110 MT/A	196076.830 MT	106382.580 MT	• We are well within

	MTPA PAIII 53000 MTPA PA IV 53000 MTPA PA V 53000 MTPA				the prescribed limit of EC & Consent
Benzoic Acid	2000 MT/A	2000 MT/A	663.00 MT	335.675 MT	
Maleic Anhydride	9110 MT/A	9110 MT/A	6485.125 MT	3361.800 MT	
Di Ethyl Phthalate	12600 MT/A	12600 MT/A	6571.792 MT	3320.301 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, 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.**	We are regularly monitoring Air pollution through MoEF recognized laboratory. TOC monitoring reports for APR 2024 - SEPT 2024 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 2024 - SEPT 2024** 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 2024 - SEPT 2024 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 2024 - SEPT 2024** 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 74.2 dBA in the month of September 2024. Monitoring Reports for the period **APR 2024 - SEPT 2024** 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 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.**	Yes, we have installed rainwater harvesting system and recovered **25736** m3 of rain water during APR 2024 - SEPT 2024.
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 2024 - SEPT 2024** period are 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 2024 - SEPT 2024** 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 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.**	Analysis being done as per MPCB consent norms and has been extended to cover all parameters as per GSR 422 (E). Reports for the period **APR 2024 - SEPT 2024** 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 **74.2** dBA in the month of Sept 2024. Reports for the period **APR 2024 - SEPT 2024** 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**	Separate Environment Management Team

	with full fledge laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	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.
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**	Yes, we had advertised in two local newspapers in vernacular language's such as Marathi at Navshakti & in English at Free Press Journal. Copy of advertisement is enclosed as **ANNEXURE – X.**

	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 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 2024 – SEPT 2024** **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. 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 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 should be complied. In case the standards	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**

	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 2024 – SEPT 2024 **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 2024 – SEPT 2024. 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 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

	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.	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 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.**	Process emissions are controlled by three stage scrubbers**.** Provision for sampling port hole and monitoring is being done. 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 2022 – 2023 is enclosed as **ANNEXURE – XIV.**
vi)	**The project authorities shall strictly comply with the rules and guidelines**	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed

	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.	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. Format 1.0/CAC/UAN No. MPCB CONSENT - 0000170581/CO/2312001056 Dated: 09/12/2023, 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. Format 1.0/CAC/UAN No. MPCB CONSENT - 0000170581/CO/2312001056 Dated: 09/12/2023, 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 shall be made to the Ministry to assess**	Yes, agreed.

	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 installed in the up wind and down wind directions as well as where maximum ground level concentrations are**	Yes, the ambient air quality monitoring is carried out regularly & will be continued. **REFER ANNEXURE II**

	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 74.2 dBA in the month of Sept 2024. **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 Panchyat, Zila Parishad / Municipal Corporation, Urban Local body and local**	Yes –submitted to Ghot Grampanchayat & Municipal Corporation. **Refer Annexure - XXIII.**

	NGO, if any from whom suggestions / representations, if any were received while processing the proposal.	
xiv)	**The project proponent shall also submit six monthly reports on the status of compliance of 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 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.**	Complied- advertisement was placed in media on obtaining the Environmental clearance. Refers **ANNEXURE X**
xvi)	**The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final**	The implementation of Phase IV PA, MA & Benzoic plants are done. Benzoic acid recovery project which envisages recovery of benzoic acid

	approval of the project by the concerned authorities and the date of start of construction.	from residue and waste water is installed and commissioned – Consent to Operate copy attached. Format 1.0/CAC/UAN No. MPCB CONSENT - 0000170581/CO/2312001056 Dated: 09/12/2023, 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 necessary. The company is a time bound manner implements these conditions.**	Yes, above condition is noted.
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 2024 – SEPT 2024** **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 2023-MARCH 2024 full year	**APR 2024 – SEPT 2024 6 months**	
Maleic Anhydride	7660 TPA	9110 TPA	6485.125 MT	3361.800 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 25736 m3 of rain water during **APR 2024 – SEPT 2024**.
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 74.2 dBA in the month of Sept 2024. Monitoring Reports for the period **APR 2024 – SEPT 2024** are 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. 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.**
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 2024 – SEPT 2024** **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 monthly compliance report.**	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 planted 3000 nos of trees near Nitlas village in Aug 2021. Total 5000 number of trees are planted. Survival report enclosed. Refer **ANNEXURE-XXVI.** 42 numbers of trees were replanted against non-living & damaged tress. Survival rate is 98.82 %. 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**	Appointed qualified staff with post-graduation in Environmental Science (Master in Environment Management -M.E.M from SIBER Institute.) Engineering is appointed for

	after the environmental management activities of the proposed plant.	environmental management activities.
iv.	**The unit shall adhere to zero liquid discharge (ZLD) .** **As per EC amendment dated 20th Feb 2018(ANNEXURE XIX) effluent discharge to CETP should be 220 m3/day.**	Yes, Agreed. Effluent generated from existing unit and expansion is being treated and recycled within the plant & remaining treated 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**	Regular medical check-ups of all the

	workers shall be done on a regular basis and records maintained as per the Factories Act.	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. 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**	Yes, agreed. No further expansion or modification in the plant will be carried out without prior approval from MoEF & CC

	Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
iii.	**The locations of ambient air quality monitoring stations shall be decided 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 74.2 dBA in the month of Sept 2024. Reports for **APR 2024 – SEPT 2024** period are enclosed under **ANNEXURE - II** showing compliance.
vi.	**The Company shall harvest rainwater from the roof tops of the buildings and storm**	Yes, we have installed rainwater harvesting system and recover 25736 m3 of rain water

	water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	during **APR 2024 – SEPT 2024**.
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 compliance of the stipulated Environmental Clearance**	Yes, it is carried out regularly for all EC s. Refer **ANNEXURE V** for Ack. Copy of last six monthly compliance report submitted

	conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	
xv.	**The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by 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 be in the vernacular language of the locality concerned and a copy of the same shall be**	Complied- advertisement was placed in media on obtaining the Environmental clearance. Copy of Advertisement published in local newspaper is enclosed herewith as **ANNEXURE– X.**

	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. 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.**
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.

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ANNEXURE – XII	:	Photograph of MPCB display board.
ANNEXURE – XIII	:	Copy of MWML Membership Certificate.
ANNEXURE – XIV	:	Copy Hazardous Waste Returns for year 2023 - 2024.
ANNEXURE – XV	:	Copy of existing Consent to Operate
ANNEXURE-XVI	:	OCEMS Dashboard
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 I

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

Government of India

Ministry of Environment, Forest and Climate Change

Impact Assessment Division

*****

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-24			May-24			June-24		
		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-24			August-24			September-24		
		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			Limiting Standard
		April - 2024			
		24-04-2024			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.5	-	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
		May-2024			
		16-05-2024			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	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 – 2024 17-06-2024			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	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-2024 03-07-2024			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	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 August-2024 03-08-2024			Limiting Standard
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	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 September – 2024 03-09-2024			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

Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.

ANNEXURE II

WORK ROOM AIR MONITORING REPORTS

Work Room Air Monitoring				
Location	April-2024			
	24-04-2024			
	PA	SO2	NOx	SPM
	ppm	mg/m3	mg/m3	mg/m³
Phthalic Anhydride Ware House	<0.25	0.031	0.040	0.342
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-2024			
	16-05-2024			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.026	0.035	0.308
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-2024			
Location	17-06-2024			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.022	0.031	0.288
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-2024			
Location	03-07-2024			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.016	0.027	0.232
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				
	August-2024			
Location	03-08-2024			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.016	0.031	0.240
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				
	September-2024			
Location	05-09-2024			
	PA	SO2	NOx	SPM
	ppm	mg/m³	mg/m³	mg/m³
Phthalic Anhydride Ware House	<0.25	0.018	0.036	0.254
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

WORK ROOM EMISSION MONITORING REPORT

Sr. No.	Parameter	Analysis Result				Limiting Standard
		April-2024				
		24-04-2024				
		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
		May-2024				
		16-05-2024				
		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-2024				
		17-06-2024				
		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-2024				
		02-07-2024				
		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
		August-2024				
		01-08-2024				
		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
		September-2024				
		02-09-2024				
		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**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
SO2	80 ug/m3	27.3	28.7	26.5	14.6	22.8	24.8
Nox	80 ug/m3	38.2	43.2	41.5	25.4	35.5	44.7
PM 10	100 ug/m3	78.7	88.6	81.8	50.1	62.0	70.5
PM 2.5	60 ug/m3	30.0	32.1	29.6	22.3	22.6	26.5
OZONE	180 ug/m3	15.8	18.3	14.9	8.5	11.7	17.1
Lead	1 ug/m3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CO	4 mg/m3	0.7	1.08	0.2	0.40	0.40	0.40
Benzene	5 ug/m3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzopyrene	1 ug/m3	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5
Arsenic	6 ug/m3	<5.0	<5.0	<0.2	<5.0	<5.0	<5.0
Nickel	20 ug/m3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NH3	400 ug/m3	34.4	33.5	30.3	20.12	23.67	30.6

Ambient air monitoring- Near PA 4							
Parameters	**Standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
SO2	80 ug/m3	25.8	27.2	28.2	17.6	22.4	24.2
Nox	80 ug/m3	40.0	41.0	45.6	27.0	36.1	39.4
PM 10	100 ug/m3	84.1	87.5	87.2	45.8	56.5	63.6
PM 2.5	60 ug/m3	31.7	32.1	34.9	19.3	20.0	22.7
OZONE	180 ug/m3	19.4	18.3	16.3	9.9	13.50	13.0
Lead	1 ug/m3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CO	4 mg/m3	0.70	0.70	0.6	0.40	0.40	0.40
Benzene	5 ug/m3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzopyrene	1 ug/m3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic	6 ug/m3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Nickel	20 ug/m3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NH3	400 ug/m3	32.1	31.8	36.3	23.4	26.5	29.5

Ambient air monitoring- Main Gate							
Parameters	**Standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
SO2	80 ug/m3	29.19	34.14	28.77	19.92	22.90	23.17
Nox	80 ug/m3	40.05	45.95	44.47	30.74	36.25	39.74
PM 10	100 ug/m3	89.6	85.98	86.10	57.07	57.15	62.45
PM 2.5	60 ug/m3	36.97	33.47	33.75	21.39	22.78	24.56
OZONE	180 ug/m3	18.33	19.27	18.47	10.05	11.91	13.88
Lead	1 ug/m3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CO	4 mg/m3	0.94	0.98	0.85	0.63	0.56	0.58
Benzene	5 ug/m3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzopyrene	1 ug/m3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic	6 ug/m3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Nickel	20 ug/m3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NH3	400 ug/m3	32.62	36.79	32.35	22.10	27.08	28.83
Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.							

ANNEXURE II

EFFLUENT ANALYSIS REPORT

TREATED EFFLUENT ANALYSIS REPORT							
Month	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024	**Limiting Standard (*)**
Date	**24-04-24**	**07-05-24**	**03-06-24**	**02-07-24**	**05-08-24**	**05-09-24**	
pH	**7.73**	**7.53**	**6.64**	**7.52**	**7.28**	**7.38**	**5.5-9.0**
COD	**130**	**120**	**170**	**110**	**30**	**60**	**250**
BOD	**45**	**45**	**55**	**35**	**12**	**22**	**100**
TDS	**1230**	**1320**	**1950**	**1120**	**980**	**920**	**2100**
Chloride	**320**	**250**	**196**	**280**	**235**	**220**	**600**
TSS	**42**	**40**	**34**	**32**	**28**	**18**	**100**
Sulphate	**300**	**265**	**800**	**265**	**250**	**230**	**1000**
TAN	**<0.56**	**<0.56**	**<0.56**	**<0.56**	**<0.56**	**<0.56**	**50**
O & G	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**10**
Bio-assay	100% survival	100% survival	100% survival	100% survival	100% survival	100% survival	**90%**
(*) 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-2024		May-2024		June-2024		July-2024		August-2024		September-2024	
Date												
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	62.6	60.5	64.8	61.0	64.8	63.1	63.6	61.5	69.8	65.7	66.0	65.3
L2	61.8	58.7	63.5	59.2	58.2	55.3	61.8	59.8	65.4	62.3	67.8	66.8
L3	56.7	54.8	59.2	56.3	60.0	58.4	60.1	58.3	71.7	68.0	69.5	64.9
L4	59.2	55.4	58.8	54.8	62.8	60.9	58.3	54.8	73.9	70.9	70.1	69.0
L5	66.1	62.7	69.6	65.0	61.7	57.0	63.0	59.2	74.2	71.8	74.2	69.8
L6	61.2	60.3	68.5	64.3	63.2	61.0	62.8	60.6	67.5	64.6	71.4	69.2
L7	66.4	64.9	67.2	64.2	65.8	62.6	69.1	64.2	70.8	68.8	72.6	69.6
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:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
Stack Height (m)		32 m	32 m	32 m	32 m	32 m	32 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)		42 °C	67 °C	62 °C	172 °C	74 °C	89 °C
Velocity m/sec		8.44 m/sec	6.89 m/sec	6.84 m/sec	8.60 m/sec	7.0 m/sec	6.1 m/sec
Flow m3/hr.		3728 m^3/hr.	3921 m^3/hr.	4023 m^3/hr.	3912 m^3/hr.	3915 m^3/hr.	3707 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**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		22-04-2024	**08-05-2024**	**17-06-2024**	**01-07-2024**	**05-08-2024**	**03-09-2024**
TPM (mg/Nm3)	**150**	56.47	52.59	51.19	55.79	49.33	45.31
SO2 (Kg/Day)	**1700**	3.69	3.28	3.53	3.78	3.09	2.62
Nox (mg/Nm3)	**450**	69.46	52.59	51.19	61.86	56.62	63.45
CO (ppm)	**200**	7.62	6.24	6.29	6.42	6.74	6.52
Acid Mist (mg/Nm3)	**35**	4.66	7.73	4.20	4.74	6.16	4.63

B

Heater Stack Emission Monitoring - PA II

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
Stack Height (m)		31 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	0.56 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)		52 °C	64 °C	-	146 °C	89 °C	138 °C
Velocity m/sec		6.48 m/sec	7.30 m/sec	-	7.20 m/sec	6.28 m/sec	6.80 m/sec
Flow m3/hr.		5391 m^3/hr.	5887 m^3/hr.	-	4931 m^3/hr.	4911 m^3/hr.	4681 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**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		23-04-2024	**09-05-2024**	**-**	**02-07-2024**	**05-08-2024**	**03-09-2024**
TPM (mg/Nm3)	**150**	44.42	32.54	-	35.75	43.58	40.53
SO2 (Kg/day)	**360**	4.05	3.36	-	3.28	3.56	3.06
Nox (mg/Nm3)	**450**	61.29	55.80	-	57.94	65.28	61.06
CO ppm	**200**	10.39	9.52	-	9.28	9.16	9.02
Acid mist (mg/Nm3)	**35**	<1.0	<1.0	-	<1.0	7.72	9.22

C

Heater Stack Emission Monitoring - PA IV							
Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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 (^oC)		143 ^oC	164 ^oC	62 ^oC	151 ^oC	136 ^oC	-
Velocity m/sec		10.97 m/sec	8.43 m/sec	7.05 m/sec	6.60 m/sec	6.78 m/sec	-
Flow m3/hr.		13896 m^3/hr.	10070 m^3/hr.	5702 m^3/hr.	8252 m^3/hr.	8680 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**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		23-04-2024	**09-05-2024**	**18-06-2024**	**04-07-2024**	**03-08-2024**	**-**
TPM (mg/Nm3)	**100**	39.96	45.21	34.65	49.87	42.28	-
SO2 (Kg/day)	**360**	9.09	8.27	3.58	5.44	6.65	-
Nox (mg/Nm3)	**450**	68.01	66.03	34.65	58.96	63.54	-
CO ppm	**200**	10.80	9.04	8.62	8.54	8.20	-
Acid mist (mg/Nm3)	**35**	9.87	13.6	<1.0	16.2	12.35	-

D **Boiler Stack Emission Monitoring**

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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 (^oC)		176 ^oC	180 ^oC	165 ^oC	169 ^oC	172 ^oC	152 ^oC
Velocity m/sec		3.18 m/sec	3.05 m/sec	3.06 m/sec	4.70 m/sec	4.50 m/sec	5.00 m/sec
Flow m3/hr.		39480 m^3/hr.	37441 m^3/hr.	38855 m^3/hr.	59064 m^3/hr.	84571 m^3/hr.	65446 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**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		22-04-2024	**08-05-2024**	**17-06-2024**	**01-07-2024**	**02-08-2024**	**02-09-2024**
TPM(mg/Nm3)	100	59.38	61.63	52.70	55.54	58.37	53.44
Nox Conc (mg/Nm3)	450	84.16	80.00	58.96	69.49	81.07	70.54
SO2 (Kg/Day)	2430	67.67	62.41	35.65	88.33	129.98	96.66
CO mg/Nm3	200	12.84	10.86	9.84	10.64	11.24	10.82

E

Scrubber Stack Emission Monitoring - PA I							
Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
Stack Height (m)		50 m	50 m	50 m	50 m	50 m	50 m
Inside Diameter (m)		1.99 m	1.69 m	1.99 m	1.99 m	1.99 m	1.99 m
Stack Area (m^2)		3.112 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 (^oC)		54 ^oC	54 ^oC	44 ^oC	48 ^oC	62 ^oC	46 ^oC
Velocity m/sec		7.79 m/sec	7.21 m/sec	7.40 m/sec	9.56 m/sec	8.90 m/sec	8.41 m/sec
Flow m3/hr.		63511 m^3/hr	67136 m^3/hr	71750 m^3/hr	97285 m^3/hr	80800 m^3/hr	79584 m^3/hr
PA I Scrubber	**Limiting Standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		22-04-2023	**08-05-2024**	**17-06-2024**	**01-07-2024**	**05-08-2024**	**03-09-2024**
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	<5.0	<5.0
TPM (mg/Nm3)	50	8.13	40.63	13.26	21.87	28.33	23.64
NOX (mg/Nm3)	350	9.48	<9.0	<9.0	<9.0	<9.0	<9.0
Acid mist (mg/Nm3)	35	12.42	10.83	13.88	10.14	15.40	12.33
ND - NOT DETECTED							

F

Scrubber Stack Emission Monitoring - PA II

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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 (^oC)		47 ^oC	42 ^oC	45 ^oC	46 ^oC	52 ^oC	42 ^oC
Velocity m/sec		7.35 m/sec	7.04 m/sec	7.15 m/sec	9.30 m/sec	9.69 m/sec	7.40 m/sec
Flow m3/hr.		49996 m^3/hr	48845 m^3/hr	51068 m^3/hr	66980 m^3/hr	64303 m^3/hr	51818 m^3/hr
PA - II Scrubber	**Limiting Standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		23-04-2023	**09-05-2024**	**25-06-2024**	**02-07-2024**	**05-08-2024**	03-09-2024
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	<5.0	<5.0
TPM (mg/Nm3)	100	25.58	29.63	21.79	24.08	20.71	27.61
Nox (mg/Nm3)	450	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
Acid mist (mg/Nm3)	35	10.86	12.37	16.86	11.88	13.83	10.84
ND - NOT DETECTED							

G

Scrubber Stack Emission Monitoring - PA III

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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 (^oC)		48 ^oC	46 ^oC	47 ^oC	48 ^oC	44 ^oC	47 ^oC
Velocity m/sec		7.20 m/sec	7.32 m/sec	8.24 m/sec	9.4 m/sec	8.53 m/sec	7.66 m/sec
Flow m3/hr.		49376 m^3/hr	52897 m^3/hr	55659 m^3/hr	68234 m^3/hr	58966 m^3/hr	53570 m^3/hr
PA III Scrubber	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		23-04-2023	**09-05-2024**	**18-06-2024**	**02-07-2024**	**02-08-2024**	**04-09-2024**
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	<5.0	<5.0
TPM (mg/Nm3)	100	19.62	25.48	20.77	28.33	24.38	21.38
Nox (mg/Nm3)	450	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
Acid mist (mg/Nm3)	35	13.97	17.01	12.29	15.42	10.78	13.9
ND - NOT DETECTED							

H

Scrubber Stack Emission Monitoring - PA IV

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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 (^oC)		43 ^oC	48 ^oC	42 ^oC	47 ^oC	58 ^oC	49 ^oC
Velocity m/sec		9.83 m/sec	7.03 m/sec	7.03 m/sec	9.90 m/sec	8.76 m/sec	7.85 m/sec
Flow m3/hr.		67682 m^3/hr	49291 m^3/hr	46961 m^3/hr	71999 m^3/hr	57545 m^3/hr	52708 m^3/hr
PA IV Scrubber	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		23-04-2023	**09-05-2023**	**18-06-2023**	**02-07-2024**	**03-08-2024**	**02-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
SO_2 (ppm)	850	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TPM	50	27.67	34.57	25.32	30.53	33.75	28.28
Nox	350	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
Acid mist (mg/Nm3)	35	7.76	10.83	9.20	8.48	7.70	10.74
ND- Not Detected							

I

Stack Emission Monitoring - PA Dedusting 1

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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	0.096 m^2	0.096 m^2	0.096 m^2
Flue Gas Temperature (°C)		40 °C	42 °C	44 °C	42 °C	40 °C	43 °C
Velocity m/sec		9.76 m/sec	8.55 m/sec	8.90 m/sec	7.30 m/sec	9.24 m/sec	8.10 m/sec
Flow m3/hr.		3150 m3/hr	2753 m^3/hr	2820 m^3/hr	2343 m^3/hr	2963 m^3/hr	2574 m^3/hr
PA Dedusting 1	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		24-04-2023	**16-05-2023**	**24-06-2024**	**03-07-2024**	**01-08-2024**	**05-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
TPM (mg/Nm3)	150	10.51	14.37	11.66	15.14	12.36	9.44
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:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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	0.096 m^2	0.096 m^2	0.096 m^2
Flue Gas Temperature (°C)		43 °C	44 °C	41 °C	46 °C	45 °C	45 °C
Velocity m/sec		9.87 m/sec	9.62 m/sec	8.90 m/sec	10.59 m/sec	13.39 m/sec	10.84 m/sec
Flow m3/hr.		3170 m^3/hr	3078 m^3/hr	2752 m^3/hr	3335 m^3/hr	4699 m^3/hr	3408 m^3/hr
PA Dedusting 2	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		24-04-2023	**16-05-2023**	**24-06-2024**	**03-07-2024**	**01-08-2024**	**05-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
TPM (mg/Nm3)	150	13.66	9.41	14.27	10.65	8.66	11.31
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:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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	0.126 m2	0.126 m2
Flue Gas Temperature (°C)		44 °C	43 °C	45 °C	46 °C	43 °C	47 °C
Velocity m/sec		12.36 m/sec	8.00 m/sec	8.9 m/sec	10.71 m/sec	10.65 m/sec	9.80 m/sec
Flow m3/hr.		5175 m^3/hr	3364 m^3/hr	3694 m^3/hr	4425 m^3/hr	3350 m^3/hr	1016 m^3/hr
PA Dedusting 3	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		24-04-2023	**16-05-2023**	**24-06-2024**	**03-07-2024**	**01-08-2024**	**05-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
TPM (mg/Nm3)	150	7.81	10.68	13.64	8.64	6.84	7.19
Acid mist (mg/Nm3)	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

L

Stack Emission Monitoring - PA Dedusting 4							
Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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	0.126 m2	0.126 m2
Flue Gas Temperature (°C)		48 °C	44 °C	38 °C	45 °C	44 °C	39 °C
Velocity m/sec		9.99 m/sec	7.49 m/sec	9.10 m/sec	9.20 m/sec	12.99 m/sec	11.38 m/sec
Flow m3/hr.		4132 m^3/hr	3150 m^3/hr	2938 m^3/hr	3881 m^3/hr	5407 m^3/hr	4762 m^3/hr
PA Dedusting 4	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		24-04-2023	**16-05-2023**	**24-06-2024**	**04-07-2024**	**01-08-2024**	**05-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
TPM (mg/Nm3)	150	11.58	15.74	10.95	17.26	14.81	16.46
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:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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 m^2	0.065 m^2	0.055 m^2	0.055 m^2	0.055 m^2	0.055 m^2
Flue Gas Temperature (°C)		42 °C	40 °C	39 °C	41 °C	46 °C	52 °C
Velocity m/sec		3.68 m/sec	5.75 m/sec	4.30 m/sec	5.20 m/sec	5.70 m/sec	6.49 m/sec
Flow m3/hr.		670 m^3/hr	1026 m^3/hr	797.86 m^3/hr	959.81 m^3/hr	1027 m^3/hr	1150 m^3/hr
MA bagging	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		24-04-2024	**16-05-2024**	**24-06-2024**	**04-07-2024**	**06-08-2024**	**06-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
TPM (mg/Nm3)	150	15.62	13.41	17.54	13.08	15.86	12.29
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:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
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	0.055 m2	0.055 m2
Flue Gas Temperature (°C)		39 °C	43 °C	40 °C	41 °C	42 °C	41 °C
Velocity m/sec		5.89 m/sec	6.16 m/sec	4.70 m/sec	4.40 m/sec	5.30 m/sec	4.93 m/sec
Flow m3/hr.		1093 m^3/hr	1134 m^3/hr	866 m^3/hr	807.5 m^3/hr	968 m^3/hr	907 m^3/hr
MA flaker	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		24-04-2024	**16-05-2024**	**24-06-2024**	**04-07-2024**	**06-08-2024**	**06-09-2024**
TOC (mg/Nm3)	150	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
TPM (mg/Nm3)	150	13.05	19.34	12.08	15.20	11.26	8.48
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:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
Stack Height (m)		30 m	30 m	30 m	30 m	30 m	30 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)		-	-	157 °C	128 °C	149 °C	143 °C
Velocity m/sec		-	-	7.70 m/sec	6.80 m/sec	7.02 m/sec	6.70 m/sec
Flow m3/hr.		-	-	3697 m^3/hr.	3481 m^3/hr.	3396 m3/hr.	3302 m^3/hr.
Fuel Used		HSD	HSD	HSD	HSD	HSD	HSD
DG 2250 KVA	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		-	**-**	**17-06-2024**	**01-07-2024**	**02-08-2024**	**04-09-2024**
TPM(mg/Nm3)	100	-	-	48.35	57.78	50.68	47.21
Nox conc (mg/Nm3)	450	-	-	68.43	72.65	66.36	69.20
SO2 (mg/Nm3)	1700	-	-	36.28	39.19	35.29	30.52
CO (mg/Nm3)	200	-	-	9.62	9.50	9.42	9.02

P

Stack Emission Monitoring DG 2000 KVA

Physical Data:		**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
Stack Height (m)		30 m	30 m	30 m	30 m	30 m	30 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)		130 °C	165 °C	149 °C	132 °C	149 °C	139 °C
Velocity m/sec		5.44 m/sec	7.24 m/sec	7.08 m/sec	6.69 m/sec	6.20 m/sec	6.55 m/sec
Flow m3/hr.		2784 m^3/hr.	3377 m^3/hr.	3411 m^3/hr.	3067 m^3/hr.	3013 m^3/hr.	3243 m^3/hr.
Fuel Used		HSD	HSD	HSD	HSD	HSD	HSD
DG 2000 KVA	**Limiting standard**	**April 2024**	**May 2024**	**June 2024**	**July 2024**	**August 2024**	**September 2024**
		22-04-2024	**08-05-2024**	**17-06-2024**	01-07-2024	**06-08-2024**	**04-09-2024**
TPM(mg/Nm3)	100	59.24	**56.42**	**53.31**	58.27	55.48	43.77
Nox conc (mg/Nm3)	450	59.24	67.08	63.94	58.27	61.34	64.91
SO2 (mg/Nm3)	1700	37.81	33.54	36.89	38.10	34.47	28.78
CO (mg/Nm3)	200	11.24	10.62	9.62	9.12	9.06	8.82

ANNEXURE III

A) DATA ON WATER CONSUMPTION

PERIOD: April 2024 TO Sep 2024

MIDC Raw water receipt (April 2024 TO Sep 2024)		
Month	**Raw water per month**	**Raw water per day**
April 2024	86060	2868.7
May 2024	86230	2781.6
June 2024	45800	1526.7
July 2024	94950	3062.9
August 2024	94670	3053.9
September 2024	102850	3428.3
Average	**85093.3**	**2787.0**

B) DATA ON EFFLUENT GENERATION

PERIOD: April 2024 TO September 2024

CONSENTED EFFLUENT DISCHARGE TO CETP- 220 M3/DAY

Effluent discharged to CETP (April 2024 TO September 2024)		
Month	**Effluent per month (m3)**	**Effluent per day (m3)**
April 2024	**4992.4**	**166.4**
May 2024	**4553.1**	**146.9**
June 2024	**2669.5**	**89.0**
July 2024	**2421.6**	**78.10**
August 2024	**2702.1**	**87.2**
September 2024	**2907.2**	**96.9**
Average	**3374.3**	**110.7**

ANNEXURE – IV

RESIDUE GENERATION DATA

PERIOD – April 2024 TO September 2024

MPCB Limit – 565.32 MT/M

Month	Residue Generation (MT)
April 2024	304.72
May 2024	344.87
June 2024	239.78
July 2024	317.49
August 2024	313.82
September 2024	253.52

ANNEXURE - V

PA-1, 2, 3, 4 & MA-3

EM103874544IN IVR:697710387454
SPP VALSAD A.V. S.O (410208)
Counter No:1,30/05/2024,10:48
To:THE DIRECTOR,MINISTRY OF FWT
PIN:110003, Lodi Road HO
From:I G PETROCH,PLOT NO 1/2 VALO
Wt:680gms
Amt:141.60,Tax:21.60,Amt.Paid:142.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks, Stay Safe>

EM103874558IN IVR:697710387455
SPP VALSAD A.V. S.O (410208)
Counter No:1,30/05/2024,10:48
To:CENTRAL POLLU,SUBHANPURA
PIN:390023, Subhanpura SO
From:I G PETROCH,PLOT NO 1/2 VALO
Wt:700gms
Amt:106.20,Tax:16.20,Amt.Paid:106.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks, Stay Safe>

EM103874663IN IVR:697710387466
SPP VALSAD A.V. S.O (410208)
Counter No:1,30/05/2024,10:48
To:THE MEMBER SE,MAHARASHTRA POLL
PIN:400022, Sion SO
From:I G PETROCH,PLOT NO 1/2 VALO
Wt:700gms
Amt:47.20,Tax:7.20,Amt.Paid:47.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks, Stay Safe>

ANNEXURE - VI

Photographs of Raw Material Storage

ANNEXURE - VII

EXISITING GREEN BELT AREA

PROPOSED GREEN BELT AREA

STAMP FOR APPROVAL	01/01
E.C. LAYOUT	

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-9619267888

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

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%

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.

Aspira pathlab & Diagnostics ltd

HEALTH REGISTER

IGPL - MANAGEMENT

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 26-04-2024 To 26-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
1	2	170016	Vasudev Sarda	Male	45	21-01-2013	--	--	Warehouse	Phthalicanhydride Malecaldyadride, Diethyl Phthalate	26-04-2024 Fit	Not Applicable	Not Applicable		
2	3	160009	Ashish Umesh Somani	Male	29	01-01-2019	--	--	Purchase		26-04-2024 Fit	Not Applicable	Not Applicable		
3	4	160008	Akhil S. Ingle	Male	48	01-08-2017	--	--	Purchase		26-04-2024 Fit	Not Applicable	Not Applicable		
4	5	250534	Nitin Digambar Sapkal	Male	29	03-07-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
5	6	250570	Manoj Khedekar	Male	30	20-10-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
6	7	120018	Ajay Gopalakrishnan Konar	Male	35	23-01-2023	--	--	Accounts		26-04-2024 Fit	Not Applicable	Not Applicable		
7	8	220071	Anil Mahadik	Male	54	08-10-2007	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
8	14	-	Rama Balkar	Male	53	10-05-2016	--	--	Houskeeping Inch		26-04-2024 Fit	Not Applicable	Not Applicable		
9	20	160001	Bilal Ahemad Shaikh	Male	54	01-09-1991	--	--	Purchase		26-04-2024 Fit	Not Applicable	Not Applicable		
10	21	250566	Krishna Mugale	Male	28	10-10-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
11	22	250511	Jayesh Pradip Patil	Male	26	02-01-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 26-04-2024 To 26-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
12	23	250547	Jatin Ganesh Patil	Male	22	21-08-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
13	24	240019	Ram Krishna Shedbale	Male	53	19-06-1996	--	--	Laboratory	Orthoxylene, Phthalic anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
14	29	250396	Saurabh Chandu Khedekar	Male	33	05-09-2019	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
15	30	250565	Akshay Utekar	Male	25	09-10-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
16	35	220070	Sanjay Damu Jagtap	Male	49	27-08-2007	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
17	36	190021	Kapil Ramkumar Sahu	Male	30	20-12-2021	--	--	HSSEQ		26-04-2024 Fit	Not Applicable	Not Applicable		
18	39	210134	Kiran K. Patil	Male	29	03-08-2017	--	--	Mechanical		26-04-2024 Fit	Not Applicable	Not Applicable		
19	40	240029	Vishal Vijay Kadam	Male	32	15-07-2022	--	--	Laboratory	Orthoxylene, Phthalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
20	41	112006	Moni Chandran Warrier	Female	55	02-12-2013	--	--	Accounts		26-04-2024 Fit	Not Applicable	Not Applicable		
21	43	250571	Swapnil Divase	Male	25	20-10-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
22	44	250028	Nitin Vishwanath Deshmukh	Male	59	20-02-1992	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 26-04-2024 To 26-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
23	45	250230	Mohan Shankar Khati	Male	57	17-01-2011	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
24	46	-	Jayesh Rohidas Patil	Male	28	28-12-2023	--	--	Accounts		26-04-2024 Fit	Not Applicable	Not Applicable		
25	51	250551	Kaustubh Bhatre	Male	26	01-09-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
26	52	150012	Rupak Bhushan Karnik	Male	38	15-05-2017	--	--	Engg.Stores		26-04-2024 Fit	Not Applicable	Not Applicable		
27	53	150004	Dharmendra R Narsing	Male	59	09-04-1996	--	--	Engg.Stores		26-04-2024 Fit	Not Applicable	Not Applicable		
28	56	250488	Aditya Santosh Sawant	Male	26	15-07-2022	--	--	Production - MA	Maleic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
29	57	170020	Yogesh Bhimrao Sonavane	Male	37	02-07-2020	--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	26-04-2024 Fit	Not Applicable	Not Applicable		
30	64	250569	Shubham Katre	Male	26	16-10-2023	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
31	65	250583	Jayesh Shinde	Male	29	15-12-2023	--	--	Production - MA	Maleic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
32	66	250276	Rohidas Madhukar Jage	Male	53	01-02-2013	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
33	67	230119	Jagdish Bhagwan Mate	Male	35	02-03-2015	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 27-04-2024 To 27-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	E.C. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
34	68	240030	Rajesh Shripat Rankar	Male	46	01-08-2022	--	--	Laboratory	Orthoxylene, Phthalicanhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
35	69	210118	Shriram Madhukar Thakur	Male	35	08-10-2012	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
36	70	250015	Subodh Vasant Kadam	Male	58	03-02-1992	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
37	71	220113	Raghunathreddy Chintireddy	Male	35	28-01-2022	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
38	72	230117	Santosh Temghare	Male	39	07-02-2015	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
39	73	220069	Nowrutti Pandurang Umale	Male	42	20-06-2007	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
40	74	250184	Avdhut Pandurang Khot	Male	30	20-05-2019	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
41	75	210007	Sandeep Shripad Kulkarni	Male	54	03-02-1992	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
42	76	210129	Nilesh R Chaudhari	Male	32	01-02-2016	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
43	77	120011	Shankar Lal Sharma	Male	39	14-11-2006	--	--	Accounts		27-04-2024 Fit	Not Applicable	Not Applicable		
44	78	112002	Bhaskar Jagannath Gharat	Male	59	01-08-1989	--	--	Accounts		27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 27-04-2024 To 27-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
45	80	160014	Patil Karan Arun	Male	26	18-03-2024	--	--	Purchase		27-04-2024 Fit	Not Applicable	Not Applicable		
46	81	230052	Milind Gajanan Patil	Male	49	04-09-2000	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
47	84	250247	Bhambure Abhijeet Anil	Male	33	16-07-2012	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
48	85	250423	Jaton Jadhav	Male	29	22-02-2021	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
49	86	120008	Satyanarayan Maheshwari	Male	67	17-04-1995	--	--	Accounts		27-04-2024 Fit	Not Applicable	Not Applicable		
50	87	250506	Pavan Jawalge	Male	29	07-11-2022	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
51	88	230149	Surajsingh Indersingh Pundir	Male	28	26-12-2022	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
52	89	230337	Vishwajeet Nagarkar	Male	27	08-01-2024	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
53	93	200005	Chandrashekhar K. Joshi	Male	58	02-02-2017	--	--	Civil		27-04-2024 Fit	Not Applicable	Not Applicable		
54	94	250298	Patel Muranilal Ramayan	Male	37	16-02-2015	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
55	95	124002	Arvind Gotiram Deshmukh	Male	54	28-08-1995	--	--	Laboratory	Orthoxylene, Phthalicanhydride	27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 27-04-2024 To 27-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
56	96	250502	Gaurav Prasad	Male	29	07-11-2022	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
57	98	230126	Pawan Vijayrao Choudhari	Male	38	09-01-2017	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
58	99	210166	Rohit Kumar Singh	Male	30	10-05-2023	--	--	Projects		27-04-2024 Fit	Not Applicable	Not Applicable		
59	100	250465	Sandeep Pralhad Wavdhane	Male	29	18-11-2021	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
60	101	-	Babaso Namdev Gurav	Male	49	19-08-2019	--	--	Main -Gate Incha		27-04-2024 Fit	Not Applicable	Not Applicable		
61	102	110014	Santosh Kumar Pandey	Male	53	01-04-2001	--	--	Commercial		27-04-2024 Fit	Not Applicable	Not Applicable		
62	103	112004	Paras Jain	Male	56	10-10-1992	--	--	Accounts		27-04-2024 Fit	Not Applicable	Not Applicable		
63	104	-	Mahesh Somani	Male	60	01-06-2023	--	--	Accounts		27-04-2024 Fit	Not Applicable	Not Applicable		
64	105	250568	Shubham Kamble	Male	28	16-10-2023	--	--	Production- DEP	Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
65	108	250340	Dattatrey Murlidhar Mhatre	Male	44	14-02-2018	--	--	Production - Envi		27-04-2024 Fit	Not Applicable	Not Applicable		
66	111	250541	Gopal Patkar	Male	28	16-08-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

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HEALTH REGISTER

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Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
67	113	250311	Soyman Thomas P	Male	53	01-10-2015	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
68	114	220095	Bhushan Charudatta Patil	Male	33	02-05-2014	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
69	115	240009	Sandip Prabhakar Surve	Male	56	01-09-1995	--	--	Laboratory	Orthoxylene, Phthalic anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
70	116	240022	Vijay Gulabrao Kasar	Male	58	01-07-2011	--	--	Laboratory	Orthoxylene, Phthalic anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
71	117	230151	Bhushan D. Patil	Male	27	01-06-2023	--	--	Instrument		27-04-2024 Fit	Not Applicable	Not Applicable		
72	118	220111	Nitesh Chandrashekhar Gadhane	Male	27	05-01-2022	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
73	119	190016	Gokul Balkrushna Khatode	Male	47	19-04-2010	--	--	Fire Security		27-04-2024 Fit	Not Applicable	Not Applicable		
74	120	170014	Gabar Singh Panwar	Male	55	13-05-1993	--	--	Raw Material	Orthoxylene	27-04-2024 Fit	Not Applicable	Not Applicable		
75	121	220119	Shubham Singh	Male	29	01-08-2023	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
76	123	230156	Niraj Mhatre	Male	24	01-11-2023	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
77	124	250422	Aniket Bhoir	Male	28	18-02-2021	--	--	Production - DEP	Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
78	125	250567	Mahesh Shinde	Male	25	10-10-2023	--	--	Production- DEP	Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
79	126	170031	Sandip Das	Male	34	12-09-2023	--	--	Raw Material	Orthoxylene	27-04-2024 Fit	Not Applicable	Not Applicable		
80	127	180002	Keshav Sitaram Patil	Male	58	12-06-1991	--	--	Custom & Excise		27-04-2024 Fit	Not Applicable	Not Applicable		
81	128	240033	Pravin Shivaji Gunjal	Male	29	01-08-2023	--	--	QC	Orthoxylene, Phthalic anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
82	129	180009	Deepak Sharma	Male	33	15-01-2024	--	--	Customs & Excis		27-04-2024 Fit	Not Applicable	Not Applicable		
83	130	250497	Ramesh Keshavrao Rayate	Male	37	27-10-2022	--	--	Production - Envi		27-04-2024 Fit	Not Applicable	Not Applicable		
84	131	250358	Onkar Mhatre	Male	27	25-09-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
85	132	190022	Mahendra Vishwanath Jadhav	Male	53	25-04-2022	--	--	HSSEQ		27-04-2024 Fit	Not Applicable	Not Applicable		
86	133	250522	Sandeep Kumar Maurya	Male	31	13-02-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
87	134	210142	Paresh Lad	Male	35	05-02-2020	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
88	135	210155	Soumya Ranjan Panda	Male	28	24-11-2022	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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89	136	250343	Ganesh Balasaheb Kawade	Male	34	16-03-2018	--	--	Production - Tech		27-04-2024 Fit	Not Applicable	Not Applicable		
90	137	180006	Ramakant Dharmdas Gautam	Male	42	07-10-2011	--	--	Custom & Excise		27-04-2024 Fit	Not Applicable	Not Applicable		
91	140	250582	Mahesh Waghsare	Male	25	11-12-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
92	142	250555	Mohd Moavia	Male	23	11-09-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
93	143	180007	Anil Vishwanath Pandey	Male	49	22-05-2017	--	--	Custom & Excise		27-04-2024 Fit	Not Applicable	Not Applicable		
94	147	250575	Sateesh Zore	Male	28	09-11-2023	--	--	Production- DEP	Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
95	149	220096	Rajmahamad Supadu Pinjari	Male	37	08-12-2014	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
96	150	-	Pradip S. Salunkhe	Male	58	21-12-2015	--	--	Main -Gate Incha		27-04-2024 Fit	Not Applicable	Not Applicable		
97	151	250281	Dornadula Ajay Kumar Reddy	Male	56	02-09-2013	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
98	152	250574	Tejas Chavan	Male	27	06-11-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
99	153	190008	Bindeshwar Prasad Shah	Male	52	03-11-1997	--	--	Fire Security		27-04-2024 Fit	Not Applicable	Not Applicable		

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100	154	170030	Shekhar Vilas Keer	Male	35	11-02-2023	--	--	Warehouse	Phthalic anhydride, Maleic anhydride, Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
101	155	250523	Shreyas Raghunath Waje	Male	27	13-02-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
102	156	250475	Mangesh Anant Vadekar	Male	33	04-04-2022	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
103	157	250544	Avinash Gangadhar Koli	Male	24	21-08-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
104	159	250412	Ajit Ashok Dadas	Male	31	28-12-2020	--	--	Production - Envi		27-04-2024 Fit	Not Applicable	Not Applicable		
105	160	250564	Swapnil Thakre	Male	30	05-10-2023	--	--	Production - PA		27-04-2024 Fit	Not Applicable	Not Applicable		
106	161	220120	Sushant Mahadik	Male	27	07-08-2023	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
107	162	210132	Pankaj Kumar Jha	Male	32	04-02-2017	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
108	163	250509	Shankar Govind Malusare	Male	29	21-12-2022	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
109	165	210165	Kishansinh Ravubha Jadeja	Male	24	17-03-2023	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
110	166	210163	Dnyanesh Vinesh Kadam	Male	28	06-02-2023	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 27-04-2024 To 27-04-2025

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111	167	250530	Abhishek Date	Male	27	10-04-2023	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
112	168	250484	Tushar Rajendra Salvi	Male	30	01-07-2022	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
113	169	160004	Sudhir R Rane	Male	51	01-02-2005	--	--	Purchase		29-04-2024 Fit	Not Applicable	Not Applicable		
114	170	140007	Manish Tiwari	Male	47	01-04-2009	--	--	EDP		29-04-2024 Fit	Not Applicable	Not Applicable		
115	172	-	Sunil Parte	Male	54	01-12-2018	--	--	Main -Gate Incha		29-04-2024 Fit	Not Applicable	Not Applicable		
116	180	230121	Sandesh Baban Kadam	Male	30	05-10-2015	--	--	Instrumentation		29-04-2024 Fit	Not Applicable	Not Applicable		
117	181	250585	Ganesh Bhalekar	Male	25	01-01-2024	--	--	Production - MA	Maleic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
118	184	250577	Atul Kadam	Male	26	04-12-2023	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
119	185	250581	Mahesh Mane	Male	25	11-12-2023	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
120	191	250541	Karthigairaj	Male	39	15-02-2018	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
121	195	250538	Siddharth Ashok Zamre	Male	26	17-07-2023	--	--	Production - MA	Maleic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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FORM NO. 7

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From :- 29-04-2024 To 29-04-2025

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Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
122	197	250561	Durvesh Vasudeogir Gosavi	Male	26	29-09-2023	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
123	199	250572	Yogesh Wadavane	Male	28	20-10-2023	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
124	200	250284	K M Chidanandappa	Male	56	02-09-2013	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
125	201	250283	Ashok Pulusu	Male	52	14-09-2013	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
126	205	250415	Shriram Pawar	Male	30	23-01-2021	--	--	Production - DEP	Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
127	206	250587	Manmath Todkari	Male	26	29-02-2024	--	--	Production- DEP	Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
128	207	250479	Bhagwat Suresh Bharsake	Male	29	09-05-2022	--	--	Production - DEP	Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
129	209	210138	Kalyan Balu Kharade	Male	29	10-04-2019	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
130	214	210121	Mohit Kumar Singh	Male	34	15-07-2013	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
131	215	250456	Sachin Vishnu Rathod	Male	30	01-10-2021	--	--	Production - DEP	Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
132	216	250573	Vishal Kadam	Male	28	01-11-2023	--	--	Production- DEP	Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
133	217	240024	Atul Shriram Mawande	Male	57	22-08-2016	--	--	Laboratory	Orthoxylene, Phthalicanhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
134	218	250401	Rajendran G	Male	48	03-01-2020	--	--	Production - DEP	Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
135	219	240012	Shashikant Bhagawat Sutar	Male	56	15-02-1997	--	--	Laboratory	Orthoxylene, Phthalicanhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
136	220	240031	Gorakshnath Ramkishan Chavan	Male	30	08-08-2022	--	--	Laboratory	Orthoxylene, Phthalicanhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
137	223	150015	Pradeep Kumar Singh	Male	40	14-02-2022	--	--	Engg Stores		29-04-2024 Fit	Not Applicable	Not Applicable		
138	224	210082	Yogesh Nivrutti Patil	Male	43	11-06-2008	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
139	225	210102	Sandeep Baburao Kadam	Male	47	01-12-2010	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
140	226	140006	Anil Rangnath Suradkar	Male	38	10-04-2008	--	--	EDP		29-04-2024 Fit	Not Applicable	Not Applicable		
141	229	-	Narayan Pardhi	Male	48	10-10-2022	--	--	Main -Gate Incha		29-04-2024 Fit	Not Applicable	Not Applicable		
142	244	250006	Hemant Shrikrishna Athalye	Male	57	01-10-1992	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
143	250	220122	Vishal Padwal	Male	26	25-12-2023	--	--	Electrical		29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
144	253	250376	Pranav Pawar	Male	29	20-11-2023	--	--	Production - PA		29-04-2024 Fit	Not Applicable	Not Applicable		
145	264	130011	Kishor Borade	Male	49	24-07-2017	--	--	IR AND ADMN		30-04-2024 Fit	Not Applicable	Not Applicable		
146	266	170018	Amit Kumar	Male	42	02-01-2014	--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
147	267	230133	Pankaj Jayprakash Patil	Male	39	14-10-2019	--	--	Instrumentation		30-04-2024 Fit	Not Applicable	Not Applicable		
148	268	230155	Ganesh Gholap	Male	26	01-10-2023	--	--	Instrumentation		30-04-2024 Fit	Not Applicable	Not Applicable		
149	274	230369	Mangesh Harishchandra Daravkar	Male	33	22-10-2018	--	--	Production - Boil		30-04-2024 Fit	Not Applicable	Not Applicable		
150	277	210130	Alluri Satya Krishnam Raju	Male	31	11-02-2016	--	--	Mechanical		30-04-2024 Fit	Not Applicable	Not Applicable		
151	281	230144	Nitin Anoopsingh Yadav	Male	37	02-12-2021	--	--	Instrument		30-04-2024 Fit	Not Applicable	Not Applicable		
152	288	250324	P Rajesh	Male	43	07-11-2016	--	--	Production - Tech		30-04-2024 Fit	Not Applicable	Not Applicable		
153	300	250552	Akshay Hadge	Male	35	04-09-2023	--	--	I & T		30-04-2024 Fit	Not Applicable	Not Applicable		
154	301	250506	Suraj Suresh Patil	Male	34	12-12-2022	--	--	Production - Tech		30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 30-04-2024 To 30-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signature with Certifying Surgeon
155	303	210158	Aakash Uday Patkar	Male	27	16-01-2023	--	--	Mechanical		30-04-2024 Fit	Not Applicable	Not Applicable		
156	304	112005	Madhumathi Krishnamurthy	Female	59	24-11-1986	--	--	Accounts		30-04-2024 Fit	Not Applicable	Not Applicable		
157	305	120010	Rajesh Balkishan Purwar	Male	55	26-12-1994	--	--	Accounts		30-04-2024 Fit	Not Applicable	Not Applicable		
158	327	230142	Ronak Shilchand Pandey	Male	32	14-10-2021	--	--	Instrumentation		30-04-2024 Fit	Not Applicable	Not Applicable		
159	332	230153	Mahesh Jadhav	Male	30	07-06-2023	--	--	Instrument		30-04-2024 Fit	Not Applicable	Not Applicable		
160	337	250495	Sagar Anant Shinde	Male	29	03-10-2022	--	--	Production - PA	Phthalic Anhydride	30-04-2024 Fit	Not Applicable	Not Applicable		
161	338	250562	Ajay Pandit	Male	26	03-10-2023	--	--	Production - PA	Phthalic Anhydride	30-04-2024 Fit	Not Applicable	Not Applicable		
162	341	200001	Shivkumar Baburao Dhanasure	Male	57	03-08-1992	--	--	Civil		30-04-2024 Fit	Not Applicable	Not Applicable		
163	343	150013	Alaya Surendra Khatua	Male	46	17-09-2018	--	--	Engg Stores		30-04-2024 Fit	Not Applicable	Not Applicable		
164	344	150016	Vaibhav Vishwanath Patil	Male	37	02-03-2022	--	--	Engg Stores		07-05-2024 Fit	Not Applicable	Not Applicable		
165	347	240021	Vaibhav Baliram Patil	Male	42	12-11-2010	--	--	Laboratory	Orthoxylene, Phthalicanhydride	07-05-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 07-05-2024 To 07-05-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
166	348	250440	Shivraj Daji Ghagare	Male	30	01-06-2021	--	--	Production - PA	Phthalic Anhydride	07-05-2024 Fit	Not Applicable	Not Applicable		
167	349	250505	Kalpesh Dinesh Patil	Male	28	05-12-2022	--	--	Production - PA	Phthalic Anhydride	07-05-2024 Fit	Not Applicable	Not Applicable		
168	350	110009	Mohandas Vadakkethil Kottu	Male	55	18-03-1996	--	--	Commercial		07-05-2024 Fit	Not Applicable	Not Applicable		
169	354	210038	Pavankumar Subbarao Aryasomayaj	Male	52	02-11-1995	--	--	Mechanical		07-05-2024 Fit	Not Applicable	Not Applicable		
170	359	140008	Shailesh Chaudhari	Male	44	02-11-2020	--	--	EDP		07-05-2024 Fit	Not Applicable	Not Applicable		
171	360	140011	Sagar Balaram Polekar	Male	31	11-04-2022	--	--	EDP		07-05-2024 Fit	Not Applicable	Not Applicable		
172	361	121007	Vemula Shashidhar Reddy	Male	51	09-10-1995	--	--	Mechanical		07-05-2024 Fit	Not Applicable	Not Applicable		
173	363	240028	Yogesh Sitaram Zawarc	Male	30	02-03-2022	--	--	Laboratory	Orthoxylene, Phthalic Anhydride	07-05-2024 Fit	Not Applicable	Not Applicable		
174	364	250531	Kirankumar Balasaheb Awargand	Male	28	05-06-2023	--	--	Production - PA	Phthalic Anhydride	07-05-2024 Fit	Not Applicable	Not Applicable		
175	382	220092	Kasam Shashidhar Reddy	Male	32	20-03-2014	--	--	Electrical		07-05-2024 Fit	Not Applicable	Not Applicable		
176	383	220106	Lavanam Saikumar	Male	29	04-05-2021	--	--	Electrical		07-05-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 07-05-2024 To 07-05-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	E.C. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
177	397	120019	Girish Goyal	Male	37	23-10-2023	--	--	Accounts		07-05-2024 Fit	Not Applicable	Not Applicable		
178	406	240026	Suraj Jagtap	Male	45	23-03-2021	--	--	Laboratory	Orthoxylene, Phthalicanhydride	07-05-2024 Fit	Not Applicable	Not Applicable		
179	413	120016	Pankaj Bhootra	Male	48	15-02-2021	--	--	Accounts		07-05-2024 Fit	Not Applicable	Not Applicable		
180	415	250408	Bhikamchand Mutha	Male	54	21-08-2020	--	--	Production - PA	Phthalic Anhydride	07-05-2024 Fit	Not Applicable	Not Applicable		
181	416	130006	Nayankumar Krishna Patade	Male	59	17-07-2006	--	--	IR AND ADMN		07-05-2024 Fit	Not Applicable	Not Applicable		
182	419	250532	Nikhilkumar Ingale	Male	32	07-06-2023	--	--	EHS		07-05-2024 Fit	Not Applicable	Not Applicable		
183	420	250491	Sarang Dilip Maradwar	Male	39	07-09-2022	--	--	Production - Proje		07-05-2024 Fit	Not Applicable	Not Applicable		

Aspira pathlab & Diagnostics ltd

HEALTH REGISTER

IGPL - UNION

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 26-04-2024 To 26-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
1	1	260037	Rajesh R. Pradhan	Male	52	02-11-1992	--	--	Instrumentation		26-04-2024 Fit	Not Applicable	Not Applicable		
2	9	260051	Anandkumar Upadhyay	Male	49	12-03-1997	--	--	Laboratory	Orthocyclene, Pinhalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
3	10	240005	Sunil K. Shinde	Male	55	17-08-1992	--	--	Laboratory	Orthocyclene, Pinhalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
4	11	260026	Jairam K. Sharma	Male	55	20-07-1992	--	--	Laboratory	Orthocyclene, Pinhalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
5	12	230143	Pranay Shravan Thakur	Male	29	16-11-2021	--	--	Instrumentation		26-04-2024 Fit	Not Applicable	Not Applicable		
6	13	260028	Janu P. Patil	Male	51	01-08-1992	--	--	Instrumentation		26-04-2024 Fit	Not Applicable	Not Applicable		
7	15	220005	Anil P. Patil	Male	57	12-12-1992	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
8	16	260034	Vijaykumar Upadhayay	Male	58	01-08-1992	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
9	17	230137	Rajesh Hiraman Sangade	Male	31	01-02-2021	--	--	Instrumentation		26-04-2024 Fit	Not Applicable	Not Applicable		
10	18	250025	Girish T.	Male	58	12-02-1992	--	--	Laboratory	Orthocyclene, Pinhalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
11	19	260024	Laxmikant Tiwari	Male	52	07-07-1992	--	--	Laboratory	Orthocyclene, Pinhalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

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12	25	250030	Dnyaneshwar N. Naik	Male	56	09-03-1992	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
13	26	250039	Ashok V. Hagal	Male	54	13-07-1992	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
14	27	250088	Rishikesh J. Patil	Male	50	01-01-1997	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
15	28	240010	Deepak B. Gurjar	Male	49	01-01-1997	--	--	Laboratory	Orthoxylene, Phthalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
16	31	250085	Anil Kumar Ramsagar Tripathi	Male	52	01-01-1997	--	--	Production - MA	Maleic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
17	32	250519	Hitendra Sanjay Patil	Male	23	01-02-2023	--	--	Production - MA	Maleic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
18	33	260050	Yogesh C. Desai	Male	47	12-03-1997	--	--	Laboratory	Orthoxylene, Phthalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
19	34	125049	Bharat D. Raikar	Male	53	02-06-1997	--	--	Production - MA	Maleic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
20	37	250048	Sandesh V. Patil	Male	54	05-02-1992	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
21	38	240001	Prakash B. Ghangrekar	Male	58	05-02-1992	--	--	Laboratory	Orthoxylene, Phthalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
22	42	110006	Meena Rajesh Shrivas	Female	55	01-06-1993	--	--	Commercial		26-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

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23	47	240002	Shashikant G. Rupale	Male	54	12-02-1992	--	--	Laboratory	Orthoxylene, Phthalicanhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
24	48	180001	Mahadeo G. Thorat	Male	54	16-11-1992	--	--	Warehouse	Phthalicanhydride, Meta-xylene, Diethyl Phthalate	26-04-2024 Fit	Not Applicable	Not Applicable		
25	49	260035	Anandkumar V. Tiwari	Male	53	01-08-1992	--	--	Warehouse	Phthalicanhydride, Meta-xylene, Diethyl Phthalate	26-04-2024 Fit	Not Applicable	Not Applicable		
26	50	140005	Rajesh K. Patil	Male	53	01-08-1995	--	--	Warehouse	Phthalicanhydride, Meta-xylene, Diethyl Phthalate	26-04-2024 Fit	Not Applicable	Not Applicable		
27	54	220015	Nandkumar M. Kulkarni	Male	57	15-11-1994	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
28	55	220114	Tejesh Eknath Dalvi	Male	25	15-03-2022	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
29	58	250034	Vidhyadhar P. Kulkarni	Male	56	02-05-1992	--	--	Production - PA	Phthalic Anhydride	26-04-2024 Fit	Not Applicable	Not Applicable		
30	59	260041	Ashok M. Nigukar	Male	52	20-02-1993	--	--	Mechanical		26-04-2024 Fit	Not Applicable	Not Applicable		
31	60	220004	Anil Verhomal Chandnani	Male	57	09-03-1992	--	--	Electrical		26-04-2024 Fit	Not Applicable	Not Applicable		
32	61	210143	Sajan Shaniwar Hilal	Male	29	18-12-2020	--	--	Mechanical		26-04-2024 Fit	Not Applicable	Not Applicable		
33	62	210144	Vikas Vishnu Patil	Male	34	12-01-2021	--	--	Mechanical		26-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

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From :- 26-04-2024 To 26-04-2025

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Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

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34	63	210145	Sameer Mukund Mundhe	Male	29	27-01-2021	--	--	Mechanical		26-04-2024 Fit	Not Applicable	Not Applicable		
35	79	120006	Kaushil S. Bhatt	Male	59	02-04-1992	--	--	Accounts		27-04-2024 Fit	Not Applicable	Not Applicable		
36	82	170007	Sangam B. More	Male	57	01-02-1993	--	--	Warehouse	Phthalic anhydride Maleic anhydride Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
37	83	170029	Rushikesh Mohan Patil	Male	25	01-06-2022	--	--	Raw Material	Orthoxylene	27-04-2024 Fit	Not Applicable	Not Applicable		
38	90	220013	Sandeep A. Kabadi	Male	55	18-02-1993	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
39	91	123007	Vikrant S. Gangurde	Male	51	14-06-1997	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
40	92	250061	Manish S. Wayangankar	Male	51	05-10-1995	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
41	97	230414	Umesh Harishchandra Gondhali	Male	31	19-01-2021	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
42	106	250040	Naresh B. Shelake	Male	57	15-02-1993	--	--	Production -Boile		27-04-2024 Fit	Not Applicable	Not Applicable		
43	107	-	Dolfi James Vaz	Male	52	05-03-1992	--	--	Raw Material	Orthoxylene	27-04-2024 Fit	Not Applicable	Not Applicable		
44	109	210161	Vikas Baburav Patil	Male	31	01-02-2023	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 27-04-2024 To 27-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
45	110	210154	Sagar Harishchandra Jadhav	Male	29	01-11-2022	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
46	112	210041	Nareshkumar G. Lad	Male	53	16-09-1997	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
47	122	111002	Raghunathprasad Bhagwandin Tiwa	Male	59	01-08-1992	--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
48	138	126015	Madhukar R. Nighukar	Male	50	01-04-1997	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
49	139	250026	Balasaheb B. Thete	Male	56	15-02-1992	--	--	Production - PA	Phthalic Anhydride	27-04-2024 Fit	Not Applicable	Not Applicable		
50	141	170024	Kanhaiya Vitthal Patil	Male	26	09-12-2020	--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	27-04-2024 Fit	Not Applicable	Not Applicable		
51	144	230009	Devu P. Babu	Male	57	10-02-1992	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
52	145	123005	Manohar S. Sonawane	Male	55	26-05-1997	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
53	146	230021	Ravish D. More	Male	54	05-10-1994	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		
54	148	220104	Dinesh Dharma Bhoir	Male	29	23-12-2020	--	--	Electrical		27-04-2024 Fit	Not Applicable	Not Applicable		
55	158	230045	Nitin B. Dave	Male	51	20-01-1998	--	--	Instrumentation		27-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 27-04-2024 To 27-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

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56	164	210147	Pravin Dhanaji Bhalekar	Male	33	01-02-2021	--	--	Mechanical		27-04-2024 Fit	Not Applicable	Not Applicable		
57	179	250405	Umesh Pandurang Mhatre	Male	42	01-11-2018	--	--	Production - Biol		29-04-2024 Fit	Not Applicable	Not Applicable		
58	182	230145	Kalpesh Sanjay Bhoir	Male	28	01-02-2022	--	--	Instrumentation		29-04-2024 Fit	Not Applicable	Not Applicable		
59	183	230136	Sachin Chandrakant Bagul	Male	44	27-01-2021	--	--	Instrumentation		29-04-2024 Fit	Not Applicable	Not Applicable		
60	186	260027	Sanjay D. Patil	Male	49	01-08-1992	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
61	187	122002	Dilip S. Bhoir	Male	50	01-02-1993	--	--	Electrical		29-04-2024 Fit	Not Applicable	Not Applicable		
62	188	210139	Chandrakant Balaram Sangade	Male	32	01-02-2023	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
63	189	250033	Santosh K. Korgaonkar	Male	59	24-02-1992	--	--	Production - PA	Phthalic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
64	190	220115	Kunal Dagdu Gadhari	Male	29	15-03-2022	--	--	Electrical		29-04-2024 Fit	Not Applicable	Not Applicable		
65	192	170008	Tukaram M. Patil	Male	57	01-02-1993	--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
66	193	170025	Tushar Dilip Patil	Male	31	09-12-2020	--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signature with Certifying Surgeon
67	194	170021	Rushikesh Harishchandra Patil	Male	27	13-10-2020	--	--	Warehouse	Phthalic anhydride, Maleic anhydride, Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
68	196	200012	Narayan R. Hazari	Male	59	01-08-1992	--	--	Electrical		29-04-2024 Fit	Not Applicable	Not Applicable		
69	202	250518	Sanket Ravindra Gharat	Male	24	01-02-2023	--	--	Production - MA	Maleic Anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
70	210	210035	Manojkumar Singh	Male	56	14-03-1997	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
71	211	250045	Siddharam N. Khadpe	Male	58	15-02-1993	--	--	Production - Boil		29-04-2024 Fit	Not Applicable	Not Applicable		
72	221	240018	Vinayak V. Patil	Male	49	21-04-1997	--	--	Laboratory	Orthoxylene, Phthalic anhydride	29-04-2024 Fit	Not Applicable	Not Applicable		
73	238	230013	Mahesh C. Bagul	Male	51	16-07-1992	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
74	241	210162	Samir Sakharam Patil	Male	29	01-02-2023	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
75	242	210164	Vivek Janu Patil	Male	26	09-03-2023	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
76	243	126022	Eknath P. Jale	Male	49	01-04-1997	--	--	Electrical		29-04-2024 Fit	Not Applicable	Not Applicable		
77	245	210168	Dipesh Balaram Patil	Male	27	01-08-2023	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharg e	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
78	252	210167	Haresh Balaram Patil	Male	29	01-08-2023	--	--	Mechanical		29-04-2024 Fit	Not Applicable	Not Applicable		
79	269	250406	Vinayak Vishnu Bhoir	Male	40	01-11-2020	--	--	Production - Oper		30-04-2024 Fit	Not Applicable	Not Applicable		
80	276	120005	Pravin A. More	Male	57	01-11-1991	--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
81	280	126018	Santosh L. Patil	Male	53	01-04-1997	--	--	Mechanical		30-04-2024 Fit	Not Applicable	Not Applicable		
82	295	250063	Amit A. Gharat	Male	50	08-03-1996	--	--	Production - PA	Phthalic Anhydride	30-04-2024 Fit	Not Applicable	Not Applicable		
83	323	126006	Vijay P. Patil	Male	52	01-08-1992	--	--	Instrumentation		30-04-2024 Fit	Not Applicable	Not Applicable		
84	326	250520	Shailesh Dnyaneshwar Agalawe	Male	34	01-02-2023	--	--	Production - PA	Phthalic Anhydride	30-04-2024 Fit	Not Applicable	Not Applicable		
85	328	250452	Abhimish Pushpak Choudhari	Male	25	01-09-2021	--	--	Production - PA	Phthalic Anhydride	30-04-2024 Fit	Not Applicable	Not Applicable		
86	333	170022	Hasanain	Male	37	14-10-2020	--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
87	334	123008	Vidyadhar P. Joshi	Male	50	16-06-1997	--	--	Instrumentation		30-04-2024 Fit	Not Applicable	Not Applicable		
88	335	123006	Unnikrishnan K	Male	49	29-05-1997	--	--	Instrumentation		30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 07-05-2024 To 07-05-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspemded from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitmess or suspen-sion issued to worker	Signatur e with Certifyin g Surgeon
89	345	210036	Shantaram D. Kamble	Male	53	14-03-1997	--	--	Mechanical		07-05-2024 Fit	Not Applicable	Not Applicable		
90	346	210012	Manikant M. Dubey	Male	55	07-08-1992	--	--	Mechanical		07-05-2024 Fit	Not Applicable	Not Applicable		
91	351	240017	Laxman K. Doke	Male	50	21-04-1997	--	--	Laboratory	Orthoxylene, Formaldehyde	07-05-2024 Fit	Not Applicable	Not Applicable		
92	352	240015	Sameer S. Kane	Male	49	03-03-1997	--	--	Laboratory	Orthoxylene, Formaldehyde	07-05-2024 Fit	Not Applicable	Not Applicable		
93	408	210014	Arjunkumar Jha	Male	59	18-07-1992	--	--	Mechanical		07-05-2024 Fit	Not Applicable	Not Applicable		
94	412	110004	Pradnya P. Bhatkar	Male	54	01-09-1992	--	--	Commercial		07-05-2024 Fit	Not Applicable	Not Applicable		
95	414	210018	Appa N. Vete	Male	58	08-04-1993	--	--	Mechanical		07-05-2024 Fit	Not Applicable	Not Applicable		
96	417	160002	Manish J. Sawant	Male	54	01-06-1992	--	--	Purchase		07-05-2024 Fit	Not Applicable	Not Applicable		

Aspira pathlab & Diagnostics ltd

HEALTH REGISTER

IGPL - CONTRACTUAL

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column II, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employ-ment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupa-tion	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work sate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspen-sion issued to worker	Signature with Certifying Surgeon
1	171	-	Sonu Kumar (B)	Male	27		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
2	173	-	Devchandra Yadav	Male	36		--	--	Jeep Driver		29-04-2024 Fit	Not Applicable	Not Applicable		
3	174	-	Krishna Ram	Male	40		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
4	175	-	Abhishek Kumar Singh	Male	38		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
5	176	-	Adhik Yadav	Male	33		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
6	177	-	Ashok Sakpal	Male	50		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
7	178	-	Mr.Lalasc Dorge	Male	40		--	--	Warehouse	Phthalic anhydride Maleic anhydride Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
8	198	-	Nilesh Gondhali	Male	38		--	--	PAC-		29-04-2024 Fit	Not Applicable	Not Applicable		
9	203	-	Harischandra Bhandere	Male	45		--	--	Warehouse	Phthalic anhydride Maleic anhydride Diethyl Phthalate	29-04-2024 Fit	Not Applicable	Not Applicable		
10	204	-	Omkar Bhoir	Male	30		--	--	DG-OPTR		29-04-2024 Fit	Not Applicable	Not Applicable		
11	208	-	Surendra Nayak	Male	52		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

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12	212	-	Sonu Kumar	Male	30		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
13	213	-	Ram Parvesh Singh	Male	53		--	--	Insulations		29-04-2024 Fit	Not Applicable	Not Applicable		
14	222	-	Ganesh Kadam	Male	39		--	--	House-Keeping		29-04-2024 Fit	Not Applicable	Not Applicable		
15	227	-	Hrushindar Fulzade	Male	30		--	--	Driver		29-04-2024 Fit	Not Applicable	Not Applicable		
16	228	-	Lahu Patil	Male	54		--	--	House-Keeping		29-04-2024 Fit	Not Applicable	Not Applicable		
17	230	-	Balram Jena	Male	36		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
18	231	-	Mangal Das	Male	20		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
19	232	-	Dayanand Paswan	Male	20		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
20	233	-	Dilip Kumar Shah	Male	50		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
21	234	-	Sandeep Kumar	Male	21		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
22	235	-	Ranjan Gupta	Male	18		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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23	236	-	Pravin Kumar	Male	25		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
24	237	-	Umesh Rathod	Male	20		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
25	239	-	Sandesh Gawade	Male	30		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
26	240	-	Ramiej Varma	Male	31		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
27	246	-	Ravindra Devari	Male	28		--	--	Canteen		29-04-2024 Fit	Not Applicable	Not Applicable		
28	247	-	Phoolan Mishra	Male	32		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
29	248	-	Baburao Mali	Male	53		--	--	Insulations		29-04-2024 Fit	Not Applicable	Not Applicable		
30	249	-	Swapnil Patil	Male	24		--	--	DG OPTR		29-04-2024 Fit	Not Applicable	Not Applicable		
31	251	-	Rohidas Patil	Male	55		--	--	House-Keeping		29-04-2024 Fit	Not Applicable	Not Applicable		
32	254	-	Sachin Yadav	Male	27		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
33	255	-	Ajay Shankar Vishakarma	Male	29		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 29-04-2024 To 29-04-2025

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34	256	-	Dhirendra Singh	Male	42		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
35	257	-	Badu Rathod	Male	29		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
36	258	-	Dnyaneshwar Rathod	Male	29		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
37	259	-	Dhruba Deka	Male	38		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
38	260	-	Ravi Gaikawad	Male	27		--	--	Driver		29-04-2024 Fit	Not Applicable	Not Applicable		
39	261	-	Dhiraj Singh Chauhan	Male	54		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
40	262	-	Narayan Bangosavi	Male	44		--	--	Security		29-04-2024 Fit	Not Applicable	Not Applicable		
41	263	-	Pralhad Yadav	Male	40		--	--	Driver		29-04-2024 Fit	Not Applicable	Not Applicable		
42	265	-	Mr.Ashok P. Waghmode	Male	50		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
43	270	-	Mr.Akash Namdeo Solankar	Male	25		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
44	271	-	Mr.Ganesh Tanaji Virkar	Male	20		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 30-04-2024 To 30-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

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45	272	-	Karamchand Singh	Male	55		--	--	Insulations		30-04-2024 Fit	Not Applicable	Not Applicable		
46	273	-	Santosh Patil	Male	42		--	--	PAC-		30-04-2024 Fit	Not Applicable	Not Applicable		
47	275	-	Vishwanath Patil	Male	43		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
48	278	-	Mr.Rajaram Bangar	Male	46		--	--	Warehouse	[illegible]	30-04-2024 Fit	Not Applicable	Not Applicable		
49	279	-	Mahesh Sangale	Male	18		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
50	282	-	Ajay Kumar Singh	Male	36		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
51	283	-	Somesh Mishra	Male	32		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
52	284	-	Sandeep Kumar	Male	32		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
53	285	-	Rupeshwar Sakia	Male	43		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
54	286	-	Atish Umaji More	Male	23		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
55	287	-	Laxmi Sondhiya	Male	42		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Shital Rajput Regd. No. ACS17-SR/2023

FORM NO. 7

HEALTH REGISTER

From :- 30-04-2024 To 30-04-2025

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87)

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56	289	-	Shushil Pandey	Male	31		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
57	290	-	Manohar Wakshe	Male	47		--	--	Warehouse	Phthalocyanine Metacresylacetate Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
58	291	-	Bhushan More	Male	24		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
59	292	-	Pramod Khandare	Male	38		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
60	293	-	Susil Boruah	Male	28		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
61	294	-	Laburaj D Mhatre	Male	53		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
62	296	-	Avinash Patil	Male	40		--	--	DG-OPTR		30-04-2024 Fit	Not Applicable	Not Applicable		
63	297	-	Pradeep Desale	Male	23		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
64	298	-	Siddesh Thakur	Male	25		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
65	299	-	Humen Chutia	Male	29		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
66	302	-	Bipul Tanti	Male	36		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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67	306	-	Balaram J Patil	Male	54		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
68	307	-	Babaji Kathe	Male	45		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
69	308	-	Balaram C. Patil	Male	58		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
70	309	-	Arun Patil	Male	50		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
71	310	-	Ramesh K. Patil	Male	50		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
72	311	-	Balaram D. Madhavi	Male	51		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
73	312	-	Ramesh Nighakar	Male	51		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
74	313	-	Lalchand Madhavi	Male	46		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
75	314	-	Ramchandra A Patil	Male	52		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
76	315	-	Vasant Patil	Male	53		--	--	House-Keeping		30-04-2024 Fit	Not Applicable	Not Applicable		
77	316	-	Balkrishna Patil	Male	42		--	--	Warehouse	Phthalicanhydride /Maleicanhydride, Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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78	317	-	Vaibhav Kumar	Male	22		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
79	318	-	Ramesh Singh	Male	28		--	--	Security		30-04-2024 Fit	Not Applicable	Not Applicable		
80	319	-	Appio Mohite	Male	30		--	--	ETP		30-04-2024 Fit	Not Applicable	Not Applicable		
81	320	-	Chetan Maruti Raje	Male	25		--	--	ETP		30-04-2024 Fit	Not Applicable	Not Applicable		
82	321	-	Pratik Mehetar	Male	23		--	--	ETP		30-04-2024 Fit	Not Applicable	Not Applicable		
83	322	-	Suraj Mhatre	Male	35		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
84	324	-	Prashant Daravkar	Male	28		--	--	ETP		30-04-2024 Fit	Not Applicable	Not Applicable		
85	325	-	Sagar Jitekar	Male	31		--	--	ETP		30-04-2024 Fit	Not Applicable	Not Applicable		
86	329	-	Bhumrao Khot	Male	58		--	--	DG-OPTR		30-04-2024 Fit	Not Applicable	Not Applicable		
87	330	-	Tejash Shirsath	Male	23		--	--	Fire Security		30-04-2024 Fit	Not Applicable	Not Applicable		
88	331	-	Vijay Gaikwad	Male	34		--	--	Etp		30-04-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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89	336	-	Mangal Dipan Ray	Male	52		--	--	Warehouse	Phthalocyanine Manganhydride Diethyl Phthalate	30-04-2024 Fit	Not Applicable	Not Applicable		
90	339	-	Ramesh Phadke	Male	29		--	--	store		30-04-2024 Fit	Not Applicable	Not Applicable		
91	340	-	Sagar Kathe	Male	34		--	--	store		30-04-2024 Fit	Not Applicable	Not Applicable		
92	342	-	Pralhad Raje	Male	42		--	--	store		30-04-2024 Fit	Not Applicable	Not Applicable		
93	353		Dineshkumar Gupta	Male	26		--	--	Mai-Nurse		07-05-2024 Fit	Not Applicable	Not Applicable		
94	355		Krishna Dhumal	Male	41		--	--	House-Keeping		07-05-2024 Fit	Not Applicable	Not Applicable		
95	356		Akshay Patil	Male	29		--	--	ETP		07-05-2024 Fit	Not Applicable	Not Applicable		
96	357		Sandesh Patil	Male	30		--	--	ETP		07-05-2024 Fit	Not Applicable	Not Applicable		
97	358		Rupesh Salunkhe	Male	23		--	--	ETP		07-05-2024 Fit	Not Applicable	Not Applicable		
98	362		Krishanakant Jha	Male	47		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
99	365		Lalit Patil	Male	24		--	--	Fire Security		07-05-2024 Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

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100	366		Sumit Kumar	Male	23		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
101	367		Ram Babu Kumar	Male	34		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
102	368		Mr.Balbhim Solankar	Male	40		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
103	369		Satish Pandey	Male	22		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
104	370		Mr.Arjun Balasaheb More	Male	40		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
105	371		Mr.Sattu Ramchandra Mudbe	Male	40		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
106	372		Mr.Sayaji J Solankar	Male	27		--	--	Warehoese	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
107	373		Mr.Satish Waghmode	Male	23		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
108	374		Mr.Changdeo D. Hazare	Male	52		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
109	375		Mr.Suryakant Madhukar Mane	Male	31		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
110	376		Mr.Balaji A Solankar	Male	34		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		

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111	377		Mr.Teyappa Tanaji Kadam	Male	56		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
112	378		Mr.Balkrishna M.Dorge	Male	43		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
113	379		Mr.Agatrao R. Kolekar	Male	54		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
114	380		Mr.Rajnish Vijay Navsare	Male	25		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
115	381		Mr.Bapu Dada Nitve	Male	41		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
116	384		Mr.Datta Thombre	Male	40		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
117	385		Mr.Dattatray S. Satpute	Male	29		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
118	386		Mr.Shivappa A. Wakshe	Male	26		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
119	387		Mr.Yogesh More	Male	24		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
120	388		Mr.Rajendra Ugale	Male	43		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
121	389		Mr.Bapurao M. Dorge	Male	51		--	--	Warehouse	Phthalicanhydride, Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		

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122	390		Mr Shantilal K Galande	Male	37		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
123	391		Mr Sunil Raje	Male	40		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
124	392		Miragen Gohai	Male	29		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
125	393		Sunil Sahebrao Satpute	Male	36		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
126	394		Appa Mohan Mudhe	Male	31		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
127	395		Pankaj Shankar Bangar	Male	26		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
128	396		Prashant Chutia	Male	31		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
129	398		Mr Sanjay Bandekar	Male	53		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
130	399		Tanaji Shendra	Male	42		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
131	400		Rutik Dattatrey Patil	Male	21		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
132	401		Amrut Abaji Goykar	Male	28		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		

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133	402		Anshu Kumar	Male	28		--	--	Security		07-05-2024 Fit	Not Applicable	Not Applicable		
134	403		Smit Popat Garale	Male	28		--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
135	404		Dhanaji Ulvekar	Male	25		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
136	405		Mohan Kisan Bangar	Male	50		--	--	Warehouse	Phthalicanhydride Maleicanhydride Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
137	407		Mayur Pawar	Male	33		--	--	ETP		07-05-2024 Fit	Not Applicable	Not Applicable		
138	409		Shantaram R. Varde	Male	58		--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
139	410		Santosh Baba Mote	Male	34		--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
140	411		Rajendra Dada Narbat	Male	20		--	--	Warehouse	Phthalicanhydride Maleicanhydride, Diethyl Phthalate	07-05-2024 Fit	Not Applicable	Not Applicable		
141	418		Pritesh Manik Gaikar	Male	30		--	--	ETP		07-05-2024 Fit	Not Applicable	Not Applicable		

ANNEXURE – IX

Budget For Environment Monitoring and Pollution Control		
SR. NO.	HEADS	AMOUNT (Rs IN LACS)
1	Chemicals for ETP, RO & MEE plant operation	43.87
2	ETP Operation & Maintenance	44.63
3	Environmental monitoring	12.72
4	Hazardous waste disposal	90.24
5	AMC for OCEMS & ETP on line analyzers	8.65
	TOTAL	200.11

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

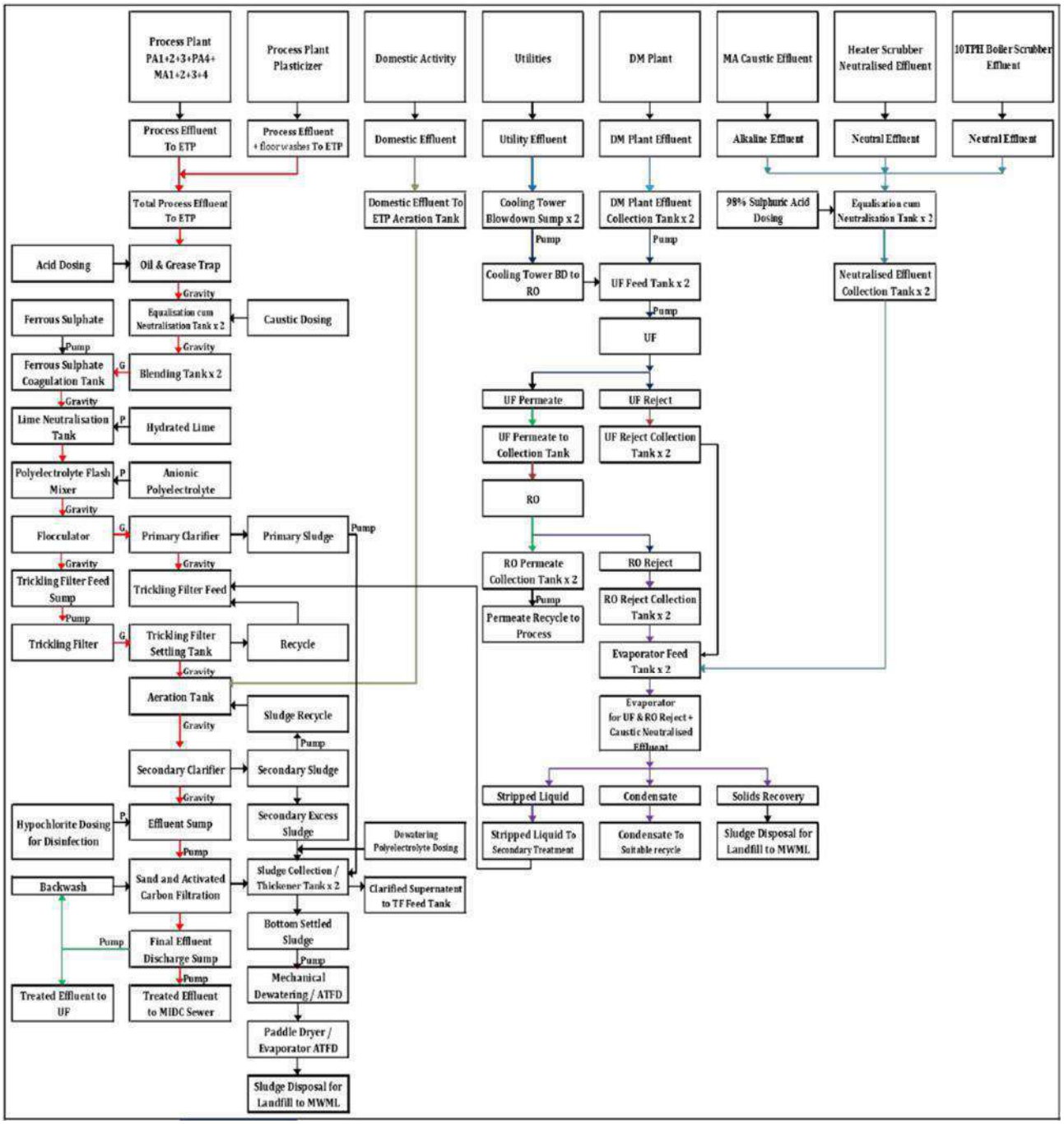
Centrifuge and Filter Press systems are provided for sludge handling. Sludge is collected in bags and filtrate has taken to treatment again in ETP system. Sludge is disposed to sludge disposal site CHWTSDF, Taloja.

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



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: 01/11/2024
Consent Order No: Format1.0/CAC/UAN No.MPCBCONSENT-0000170581/CO/2312001056, 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	8.58 MT	0 MT	Used as fuel in oil heater/ Thermal oxidizer
1.4 – Organic Residue	153.33 MT/A	0 MT	47.49 MT	CHWTSDF

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 MT	0 MT	CHWTSDF
5.1- Used or Spent oil	4.58 MT/M	0 KL	8.03 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	00 Nos	198 Nos	Sale to authorized party/ CHWTSDF
35.3 – Chemical sludge from Waste water treatment.	1.83 MT/M	0.3.40 MT	3.47 MT	Sent to CHWTSDF

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	0 MT	Sent to CHWTSDF
37.3- Concentration or evaporation residue	266.67 MT/M	1.50 MT	449.91 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	0 MT	28.20 MT	Sent to CHWTSDF
15.2- Discarded asbestos	3.6 MT/M	0 MT	0.220 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	30.22 MT	Sale to authorized party/ CHWTSDF
By-product Phthalic Acid	66.67 MT/M	0 MT	170.33 MT	Sale to authorized party/ CHWTSDF

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	Sent to CHWTSDF

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	0.19 MT	Sent to CHWTSDF
35.2- Spent ion exchange resins containing toxic metals	7500 Ltr./A	0 MT	0.560 MT	Sent to CHWTSDF

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	0.400 MT	Sent to CHWTSDF Sent to CHWTSDF
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	198 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	0.245 Kg	CBMWTSDF
BMW - White	2.0 Kg/M	0 Kg	0.020 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- 8.87, NO-30.36, PM-57.96, SO2- 0 mg/Nm3
Hot Oil Heater-II	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO-9.55, NO-46.99, PM-2.73, SO2- 63.8 mg/Nm3
Hot Oil Heater-IV	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO- 1.83, NO-5.03, PM-2.27, SO2-23.44 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
Hot Oil Heater-V	CO -150, NO - 350, PM - 50, SO2 - 850 mg/Nm3	CO- 64.48, NO-1.37, PM-4.14, SO2-12.45 mg/Nm3
Scrubber – PA - I	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO-4.9, PM-28.53, SO2-8.72, TOC-55.84 mg /Nm3
Scrubber – PA - II	NO-450, PM-100, SO2-1700, TOC-150 mg /Nm3	NO-7.98, PM-35.72, SO2-4.87, TOC-5.28 mg /Nm3

Air Emission		
Source	Limits	Monitored Data
Scrubber – PA - III	NO-450, PM-100, SO2-1700, TOC-150 mg /Nm3	NO-28.98 , PM-21.24, SO2-5.91, TOC-67.66 mg /Nm3
Scrubber – PA - IV	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO-0 , PM-30.96, SO2-6.08, TOC-12.54 mg /Nm3
Scrubber – PA - V	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO- 0.02 , PM- 13.5, SO2-1.31 , TOC-2.74 mg /Nm3

Air Emission		
Source	Limits	Monitored Data
Boiler	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO -20.33, NO –0.02, PM –0, SO2 – 0.1 mg/Nm3
DG Set 2000 KVA	CO – 150, NO - 710 , PM - 150, SO2 - 1700 mg/Nm3	CO – NA , NO – 0 , PM – 2.76, SO2 – 0 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
De-dusting – I	PM – 150, TOC – 150 mg/Nm3	PM – 11.38, TOC – 15.54 mg/Nm3
De-dusting – II	PM – 150, TOC – 150 mg/Nm3	PM –29.08, TOC -4.88 mg/Nm3
De-dusting – III	PM – 150, TOC – 150 mg/Nm3	PM – 7.14 TOC – 0.65 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
De-dusting – IV	PM – 150, TOC – 150 mg/Nm3	PM – 6.55 TOC – 0.95 mg/Nm3
De-dusting – V	PM – 50, TOC – 150 mg/Nm3	PM –25.54 TOC – 8.33 mg/Nm3
MA Bagging	PM – 150, TOC – 150 mg/Nm3	PM – 6.28 TOC –1.57 mg/Nm3

Air Emission		
Source	Limits	Monitored Data
MA Flaker	PM – 150, TOC – 150 mg/Nm3	PM –6.29, TOC – 0.63 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 186.24 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	7.51
TSS	mg/l	100	21.39
COD	mg/lit	250	44.97
BOD	mg/lit	100	14.66

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

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.

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.

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.

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

Sustainability

Mumbai Waste Management Limited

CERTIFICATE OF MEMBERSHIP

M/S. T.G. Petrochemicals Limited.

is a registered member of

CHW-TSDF at MIDC - Taloja for

safe and secure disposal of

Hazardous waste.

Membership No: MWML-HZW - TAL - 946

This Certificate is valid up to 31/03/2025

Onkar Kulkarni
Manager - BMD

Somnath Malgar
Director

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-0000045010	13-06-2024	Generator

Submitted for Year:
2024

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. MPCB-CONSENT-0000170581/CO/2312001056	Dec 9, 2023	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	Di Ethyl Phthalate/ Di Methyl Phthalate	12600.0000	6571.792	MT/A
Petrochemicals	Maleic Anhydride	9110.0000	6485.125	MT/A
Petrochemicals	Phthalic Anhydride	275110.0000	196076.830	MT/A
Petrochemicals	Benzoic Acid	2000.0000	663.000	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	3325.33	MTA
1.4 Organic residues	Organic residues	153.330	120.03	MTA
1.6 Spent catalyst and molecular sieves	"Spent catalyst and molecular sieves"	99.960	45.81	MTA
5.1 Used or spent oil	Used or spent oil	54.960	8.89	MTA

33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels /containers / liners contaminated with hazardous chemicals /wastes	1848.000	452	numbers/anum
35.3 Chemical sludge from waste water treatment	Chemical sludge from waste treatment	21.960	7.606	MTA
37.2 Ash from incinerator and flue gas cleaning residue	Ash from incinerator and flue gas cleaning residue	14.640	0.24	MTA
37.3 Concentration or evaporation residues	Concentration or evaporation residues	3200.040	800.52	MTA
36.2 Spent carbon or filter medium	Spent carbon or filter medium	98.760	48.3	MTA
15.2 Discarded asbestos	Discarded asbestos	43.200	0.2	MTA
37.1 Sludge from wet scrubbers	Sludge from wet scrubbers	7.560	0.41	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded Bags used for hazardous chemicals	2.520	2.01	MTA
35.2 Spent ion exchange resin containing toxic metals	Spent ion exchange resin containing toxic metals	7.500	0.45	KL/Anum
33.2 Contaminated cotton rags or other cleaning materials	Contaminated cotton rags or other cleaning materials	6.000	0.38	MTA
Other Hazardous Waste	By Product phthalic acid	800.040	205.15	MTA
Other Hazardous Waste	By product sodium sulphate	900.000	114.67	MTA

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
1.4 Organic residues	120.03	MTA	Disposal Facility	Mumbai Waste Management
1.6 Spent catalyst and molecular sieves	45.81	MTA	Disposal Facility	Mumbai Waste Management
5.1 Used or spent oil	8.49	MTA	Disposal Facility	Mumbai Waste Management
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	452	numbers/anum	Disposal Facility	Mumbai Waste Management
35.3 Chemical sludge from waste water treatment	7.59	MTA	Disposal Facility	Mumbai Waste Management
37.2 Ash from incinerator and flue gas cleaning residue	0.24	MTA	Disposal Facility	Mumbai Waste Management
37.3 Concentration or evaporation residues	798.52	MTA	Disposal Facility	Mumbai Waste Management
36.2 Spent carbon or filter medium	48.3	MTA	Disposal Facility	Mumbai Waste Management
15.2 Discarded asbestos	0.2	MTA	Disposal Facility	Mumbai Waste Management
37.1 Sludge from wet scrubbers	0.410	MTA	Disposal Facility	Mumbai Waste Management
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2.01	MTA	Disposal Facility	Mumbai Waste Management
35.2 Spent ion exchange resin containing toxic metals	0.45	MTA	Disposal Facility	Mumbai Waste Management
33.2 Contaminated cotton rags or other cleaning materials	0.38	MTA	Disposal Facility	Mumbai Waste Management

Other Hazardous Waste	205.15	MTA	Disposal Facility	By Product Phthalic Acid -Mumbai Waste Management
Other Hazardous Waste	114.67	MTA	Disposal Facility	By Product Sodium Sulphate -Mumbai Waste Management
Other Hazardous Waste	1.86	MTA	Disposal Facility	Discarded FRP Waste-Mumbai Waste Management
Other Hazardous Waste	2.37	MTA	Disposal Facility	Spent Acetone -M/S Darshan Chemicals
Other Hazardous Waste	11.42	MTA	Disposal Facility	Cooling Tower fins Media -Mumbai Waste Management

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	3325.33	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	Orgagnic Residue	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	0.400	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	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.031	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	4.00	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	MTA
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	Discarded FRP waste	0	MTA
Other Hazardous Waste	Spent Acetone	0	MTA

Other Hazardous Waste	Cooling tower fins media	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 2024-06-13 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 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

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
2	Biological sludge from waste water treatment	40	MT/M	Drying	Used as manure for gardening

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	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	Secured Landfill	CHWTSDF
7	37.2 Ash from incinerator and flue gas cleaning residue	1.22	MT/M	Secured Landfill	CHWTSDF
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	Incineration	CHWTSDF
10	15.2 Discarded asbestos	3.6	MT/M	Secured Landfill	CHWTSDF
11	37.1 Sludge from wet scrubbers	0.63	MT/M	Secured Landfill after treatment	CHWTSDF
12	33.1 Discarded Bags used for hazardous chemicals	0.21	MT/M	Incineration	CHWTSDF
13	35.2 Spent ion exchange resin containing toxic metals	7500	Ltr/A	Incineration	CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
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	Sale to Auth. Party having permission under Rule 9/ CHWTSDF
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	Recycle*/Landfill	Sale to Auth. Party having permission under Rule 9/ 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 or containers	CBMWTSDF

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
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 15th Consent Appraisal Committee meeting held on 24.11.2023.
19. This consent is issued with overriding effect to earlier consent vide No:- Format1.0/CAC/UAN No.MPCBCONSENT-0000115836/CR/2207000116 dated 02/07/2022.
20. Industry shall/submit bank guarantee of Rs. 25 lakh towards O & M of pollution control system and compliance of consent conditions.

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)
S-1	Boilers (3 Nos.)	Stack	55	LSHS	27 MT/Day	1.20	648.00
S-2	Hot Oil Heaters (2A & 2 B)	Stack	31	LSHS	4MT/Day	4.50	96.00
	Hot Oil Heaters (2 Nos.)			Distillation Residue	7MT/Day	0.00	0.00
S-3 to S-5	Process Vents PA- I, II & II	Scrubber	50	--	--	--	--
S-6 to S-8	PA De-dusting filter (3 Nos.)	Wet Scrubber	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	1.00	166.00
S-12	Hot Oil Heater/ Thermal Oxidizer	Wet Scrubber	31	HSD	2.5MT/Day	1.00	50.00
				Distillation Residue	4.2MT/Day	0.00	0.00
S-13	Process Vent PA-IV	Wet Scrubber	50	--	--	--	--

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO_2 (kg/day)
S-14	PA De-dusting filter	Bag Filter	12	--	--	--	--
S-15	D.G. Set (2250 KVA)	Acoustic Enclosure/ Stack	30	HSD	380 Kg/Hr	1.00	182.40
S-16	PA-V Heater	Stack	50	LSHS/Distillation residue - 12 MT/day	8.4 MT/Day	--	--
S-17	PA-V Scrubber	Stack	38	NA	--	--	--
S-18	PA De-Dusting 5	Stack	12	NA	--	--	--

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

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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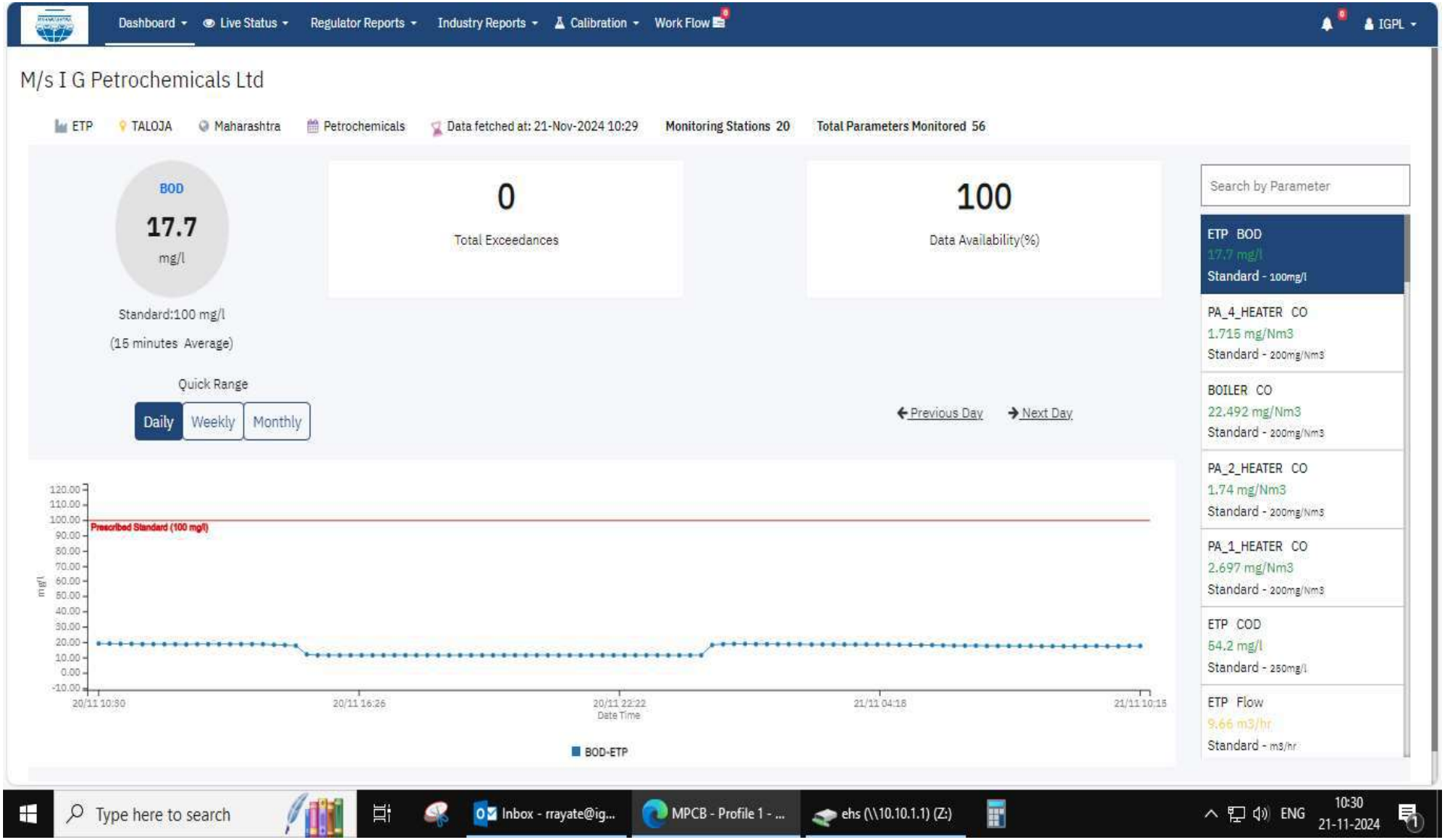
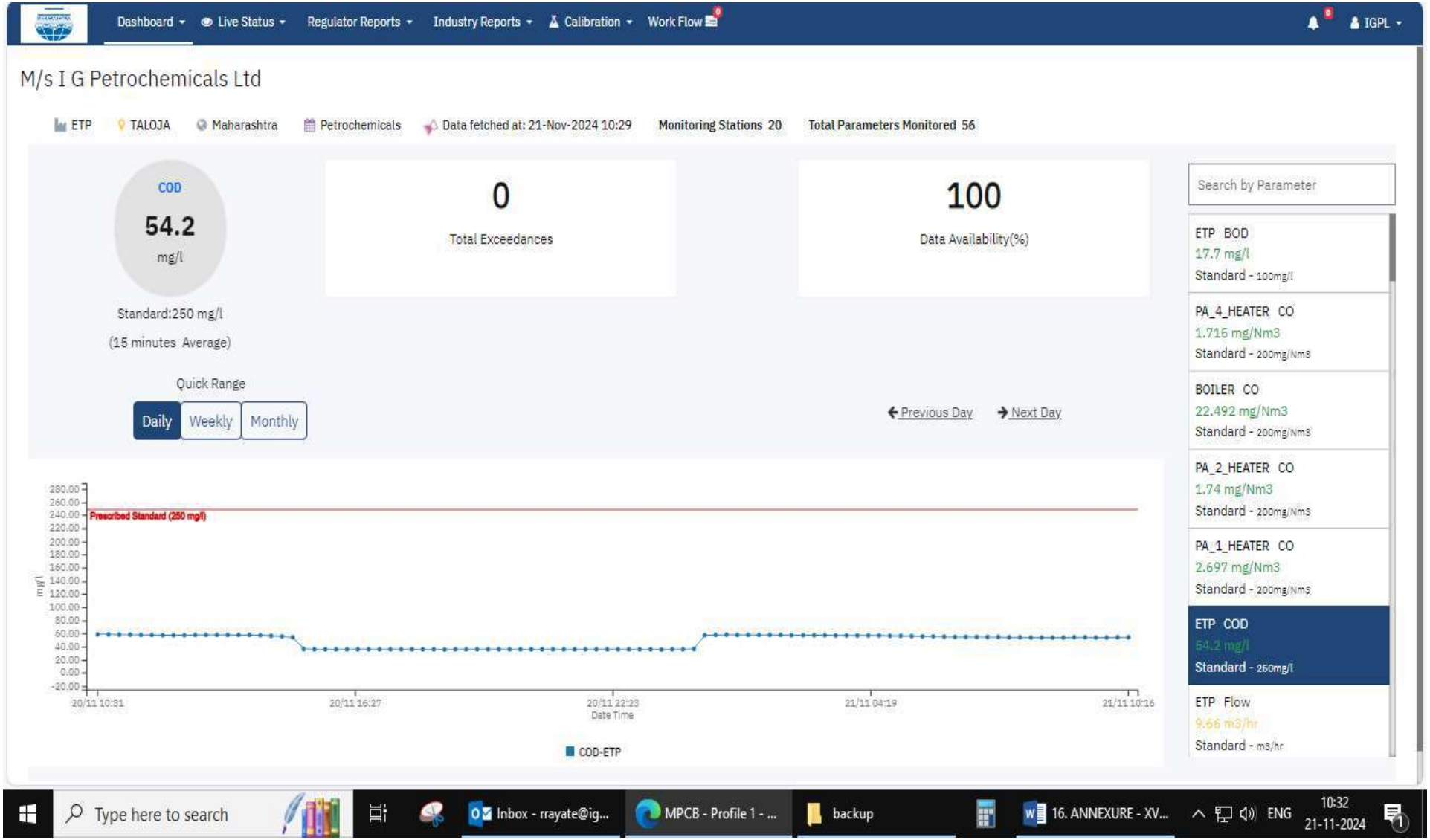
16. ANNEXURE – OCEMS DASHBOARD



16. ANNEXURE – OCEMS DASHBOARD



ANNEXURE - XVII

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

Sr.No 56

SR. NO.	PAID TO	PERIOD		AMOUNT
		FROM	TO	
	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	01-04-2024	30-04-2024	65,000.00
		01-05-2024	31-05-2024	65,000.00
		01-06-2024	30-06-2024	65,000.00
		01-07-2024	31-07-2024	65,000.00
		01-08-2024	31-08-2024	65,000.00
		01-09-2024	30-09-2024	65,000.00
	TOTAL-Expenses			**3,90,000.00**

Annexure - XVIII

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

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

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 2024

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000072857	27-09-2024

PART A

Company Information

Company Name	***Application UAN number***
I. G. Petrochemicals Ltd.	0000170581

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 - 410 208.

Plot no	***Taluka***	***Village***
T- 1, T-2, T-2/1, V-11/12/13/14/45	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-0000170581/CO/2312001056	2023-12-09
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2026-08-31	1992	Sep 26 2023 12:00:00:000AM

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

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Phthalic Anhydride	275110	196076.830	MT/A
Benzoic Acid	2000	663.000	MT/A
Maleic Anhydride	9110	6485.125	MT/A
Di Ethyl Phthalate	12600	6571.792	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	316.00
Cooling	5526.00	2447.00
Domestic	54.00	50.00
All others	10.00	8.00
Total	6371.00	2821.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of trade effluent from the factory	851	301.8	CMD
Daily Quantity of sewage from the factory	44	36.7	CMD
Daily quantity of treated effluent	220	92.4	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	5.11	4.52	CMD
Benzoic Acid	12.46	12.88	CMD
Maleic Anhydride	39.18	37.71	CMD
DI-Ethtyl Phthalate	5.13	5.33	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	0.94	0.95	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	14381	7656.9	MT/A
HSD	7263.5	1055	MT/A
Distillation Residue	8468	3325.3	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	7.5	0	5.5 - 9.0	NA
COD	3.70	40	0	250 mg/l	NA
BOD	1.37	14.8	0	100 mg/l	NA
TDS	96.71	1046.7	0	2100 mg/l	NA
CHLORIDES	18.5	200.2	0	600 mg/l	NA
TSS	3.26	35.3	0	100 mg/l	NA
SULPHATE	15.30	165.6	0	1000 mg/l	NA
TAN	0.05	0.60	0	50 mg/l	NA
O & G	0.18	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	57.53	56.19	0	100 mg/Nm3	NA
Stack - I (Boiler)- SO2	60.47	59.05	0	1700 mg/Nm3	NA
Stack - I (Boiler) - NOX	129.21	126.18	0	450 mg/Nm3	NA
Stack - I (Boiler) - CO	16.02	15.64	0	200 mg/Nm3	NA
Stack - II-A-PA I Heater PM	6.98	45.97	0	100 mg/Nm3	NA
Stack - II-A-PA I Heater SO2	5.52	36.34	0	1700 mg/Nm3	NA
Stack - II-A-PA I Heater NOX	17.79	117.19	0	450 mg/Nm3	NA
Stack - II-A-PA I Heater CO	2.34	15.41	0	200 mg/Nm3	NA
Stack - II-B-PA II Heater PM	5.31	42.20	0	100 mg/Nm3	NA
Stack - II-B-PA II Heater SO2	3.56	28.31	0	1700 mg/Nm3	NA
Stack - II-B-PA II Heater NOX	13.17	104.74	0	450 mg/Nm3	NA
Stack - II-B-PA II Heater CO	1.83	14.52	0	200 mg/Nm3	NA
Stack - III- PA I Scrubber TOC	0	0	0	150 mg/Nm3	NA
Stack - III- PA I Scrubber PM	51.28	29.55	0	50 mg/Nm3	NA
Stack - III- PA I Scrubber SO2	3.64	2.09	0	850 mg/Nm3	NA
Stack - III- PA I Scrubber NOX	42.17	24.30	0	350 mg/Nm3	NA
Stack - IV- PA II Scrubber TOC	0	0	0	150 mg/Nm3	NA
Stack - IV- PA II Scrubber PM	40.55	31.83	0	100 mg/Nm3	NA
Stack - IV- PA II Scrubber SO2	3.64	2.85	0	1700 mg/Nm3	NA
Stack - IV- PA II Scrubber NOX	47.92	37.61	0	450 mg/Nm3	NA
Stack - V- PA III Scrubber TOC	0	0	0	150 mg/Nm3	NA
Stack - V- PA III Scrubber PM	36.58	29.85	0	100 mg/Nm3	NA
Stack - V- PA III Scrubber SO2	3.64	2.97	0	1700 mg/Nm3	NA
Stack - V- PA III Scrubber NOX	36.02	29.40	0	450 mg/Nm3	NA
Stack - VI- PA Dedusting 1 PM	1.13	16.93	0	150 mg/Nm3	NA
Stack - VI- PA Dedusting 1 TOC	0	0	0	150 mg/Nm3	NA
Stack - VII PA Dedusting 2 PM	1.29	16.0	0	150 mg/Nm3	NA

Stack - VII PA Dedusting 2 TOC	0	0	0	150 mg/Nm3	NA
Stack - VIII PA Dedusting 3 PM	1.62	15.39	0	150 mg/Nm3	NA
Stack - VIII PA Dedusting 3 TOC	0	0	0	150 mg/Nm3	NA
Stack - IX MA Bagging PM	0.43	19.93	0	150 mg/Nm3	NA
Stack - IX MA Bagging TOC	0	0	0	150 mg/Nm3	NA
Stack - X MA Flaker PM	0.48	18.25	0	150 mg/Nm3	NA
Stack - X MA Flaker TOC	0	0	0	150 mg/Nm3	NA
Stack - XI- DG- PM	3.93	50.12	0	150 mg/Nm3	NA
Stack - XI- DG- SO2	3.28	41.93	0	1700 mg/Nm3	NA
Stack - XI- DG- NOX	9.15	116.80	0	710 mg/Nm3	NA
Stack - XI- DG- CO	1.35	17.26	0	150 mg/Nm3	NA
Stack - XII PA 4 Heater PM	12.80	46.27	0	100 mg/Nm3	NA
Stack - XII PA 4 Heater SO2	9.08	32.83	0	1700 mg/Nm3	NA
Stack - XII PA 4 Heater NOX	33.93	122.71	0	450 mg/Nm3	NA
Stack - XII PA 4 Heater NOX	3.54	12.82	0	200 mg/Nm3	NA
Stack - XIII PA 4 Scrubber TOC	0	0	0	150 mg/Nm3	NA
Stack - XIII PA 4 Scrubber PM	37.58	31.01	0	50 mg/Nm3	NA
Stack - XIII PA 4 Scrubber SO2	4.0	3.30	0	850 mg/Nm3	NA
Stack - XIII PA 4 Scrubber NOX	41.16	33.96	0	350 mg/Nm3	NA
Stack - XIV PA Dedusting 4 PM	1.48	17.11	0	150 mg/Nm3	NA
Stack - XIV PA Dedusting 4 TOC	0	0	0	150 mg/Nm3	NA
Stack - XV DG 2050 KVA PM	3.84	47.22	0	150 mg/Nm3	NA
Stack - XV DG 2050 KVA SO2	3.32	40.83	0	1700 mg/Nm3	NA
Stack - XV DG 2050 KVA SO2	10.08	124.03	0	710 mg/Nm3	NA
Stack - XV DG 2050 KVA CO	1.13	13.92	0	150 mg/Nm3	NA
Stack - XVI PA 5 Heater PM	2.54	41.42	0	50 mg/Nm3	NA
Stack - XVI PA 5 Heater SO2	1.53	24.89	0	850 mg/Nm3	NA
Stack - XVI PA 5 Heater NOX	0	0	0	350 mg/Nm3	NA
Stack - XVI PA 5 Heater CO	0.49	7.95	0	150 mg/Nm3	NA
Stack - XVII PA 5 Scrubber TOC	0	0	0	150 mg/Nm3	NA
Stack - XVII PA 5 Scrubber PM	24.84	21.52	0	50 mg/Nm3	NA
Stack - XVII PA 5 Scrubber SO2	5	4.33	0	850 mg/Nm3	NA
Stack - XVII PA 5 Scrubber NOX	19.50	16.90	0	350 mg/Nm3	NA
Stack - XVIII PA 5 Dedusting PM	1.32	11.63	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	23.93	45.81	MT/A
5.1 Used or spent oil	5.2	8.49	MT/A
15.2 Discarded asbestos	0.28	0.2	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1046	452	MT/A
36.2 Spent carbon or filter medium	37.86	48.3	MT/A
37.2 Ash from incinerator and flue gas cleaning residue	2.65	0.24	MT/A
1.4 Organic residues	139.38	120.03	MT/A
37.3 Concentration or evaporation residues	521.29	798.52	MT/A
37.1 Sludge from wet scrubbers	0.37	0.41	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.3	2.01	MT/A
Other Hazardous Waste	148.51	205.15	MT/A
Other Hazardous Waste	18.88	114.67	MT/A
35.2 Spent ion exchange resin containing toxic metals	4.32	0.45	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0	0.38	MT/A
Other Hazardous Waste	0	1.86	MT/A
Other Hazardous Waste	0	2.37	MT/A
Other Hazardous Waste	0	11.42	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	4.25	7.59	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.	20.97	83.98	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	103.42	194.98	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	3730.39	3325.33	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	45.81	MT/A	Solid (Disposal - Sent to CHWTSDF)
5.1 Used or spent oil	8.89	MT/A	Liquid (Disposal - Sale CPCB / MPCB authorized parties)
15.2 Discarded asbestos	0.2	MT/A	Solid (Disposal-Sent to CHWTSDF)
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	452	Nos./Y	Solid (Disposal - Sent to CHWTSDF)
36.2 Spent carbon or filter medium	48.3	MT/A	Solid (Disposal-Sent to CHWTSDF)
37.2 Ash from incinerator and flue gas cleaning residue	0.24	MT/A	Solid (Disposal-Sent to CHWTSDF)
1.4 Organic residues	120.03	MT/A	Solid (Disposal-Sent to CHWTSDF)
37.3 Concentration or evaporation residues	800.52	MT/A	Solid (Disposal-Sent to CHWTSDF)
37.1 Sludge from wet scrubbers	0.41	MT/A	Solid (Disposal-Sent to CHWTSDF)
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2.01	MT/A	Solid (Disposal-Sent to CHWTSDF)
Other Hazardous Waste	205.15	MT/A	Solid (Disposal-Sent to CHWTSDF) Phthalic Acid
Other Hazardous Waste	114.67	MT/A	Solid (Disposal-Sent to CHWTSDF) Sodium Sulphate
35.2 Spent ion exchange resin containing toxic metals	0.45	MT/A	Solid (Disposal-Sent to CHWTSDF)
33.2 Contaminated cotton rags or other cleaning materials	0.38	MT/A	Solid (Disposal-Sent to CHWTSDF)
Other Hazardous Waste	1.86	MT/A	Solid (Disposal-Sent to CHWTSDF) Discarded FRP Waste
Other Hazardous Waste	2.37	MT/A	Liquid (Disposal-Sent to Auth.Recycler) Spent Acetone
Other Hazardous Waste	11.42	MT/A	Solid (Disposal-Sent to CHWTSDF) Cooling Tower fins Media
1.2 Tarry residues and still bottoms from distillation	3325.33	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	83.98	MT/A	Solid (Disposal- Sent to CHWTSDF)
Biological sludge from waste water treatment	194.98	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	251.9	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)*
Partial ZLD	Installation of additional RO plant.	144

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Additional Agitated Thin film Dryer	Uninterrupted operation	125

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Mr. Sagar Jadhav Executive Director

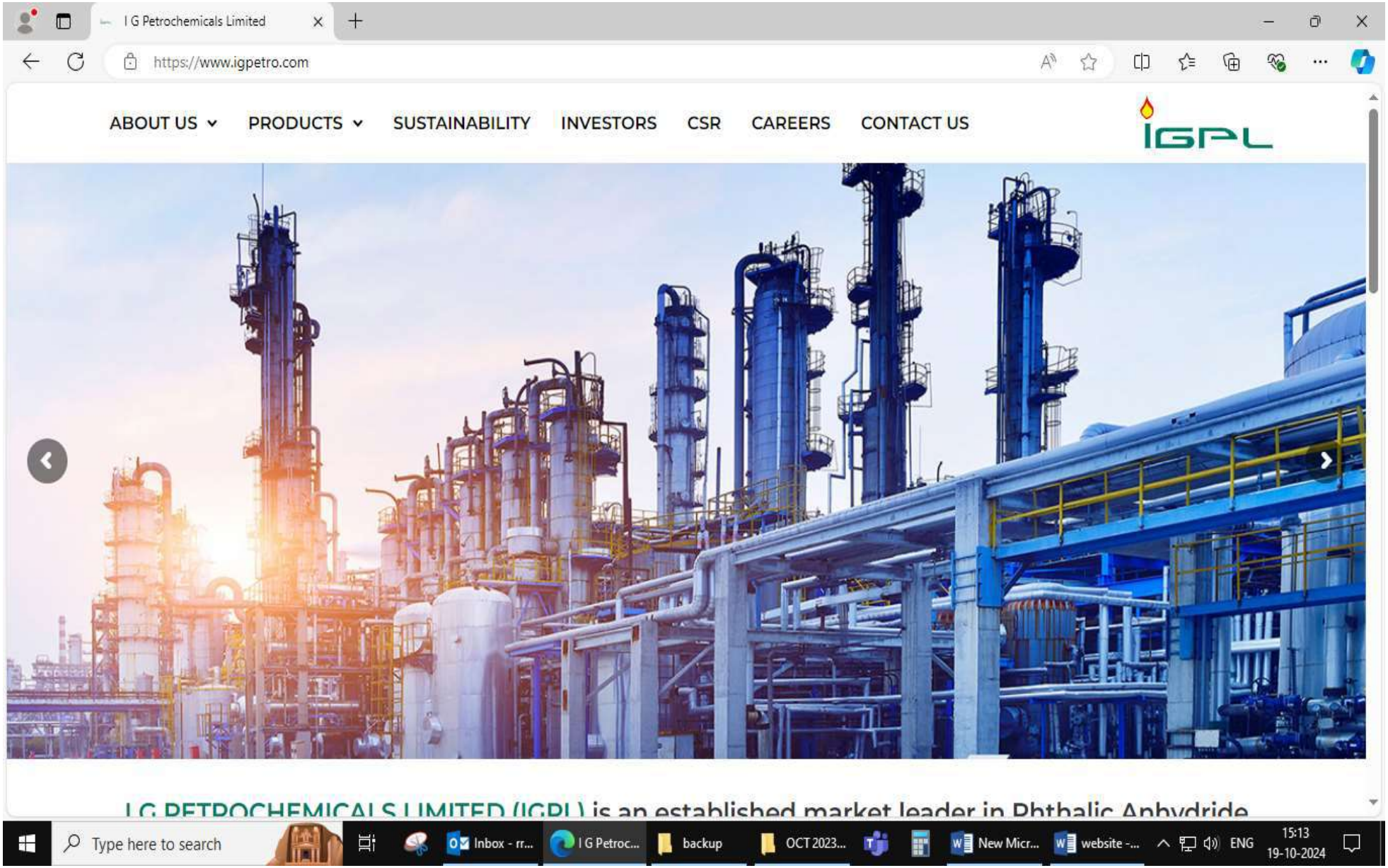
UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000072857

Submitted On:

27-09-2024

22. 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 :

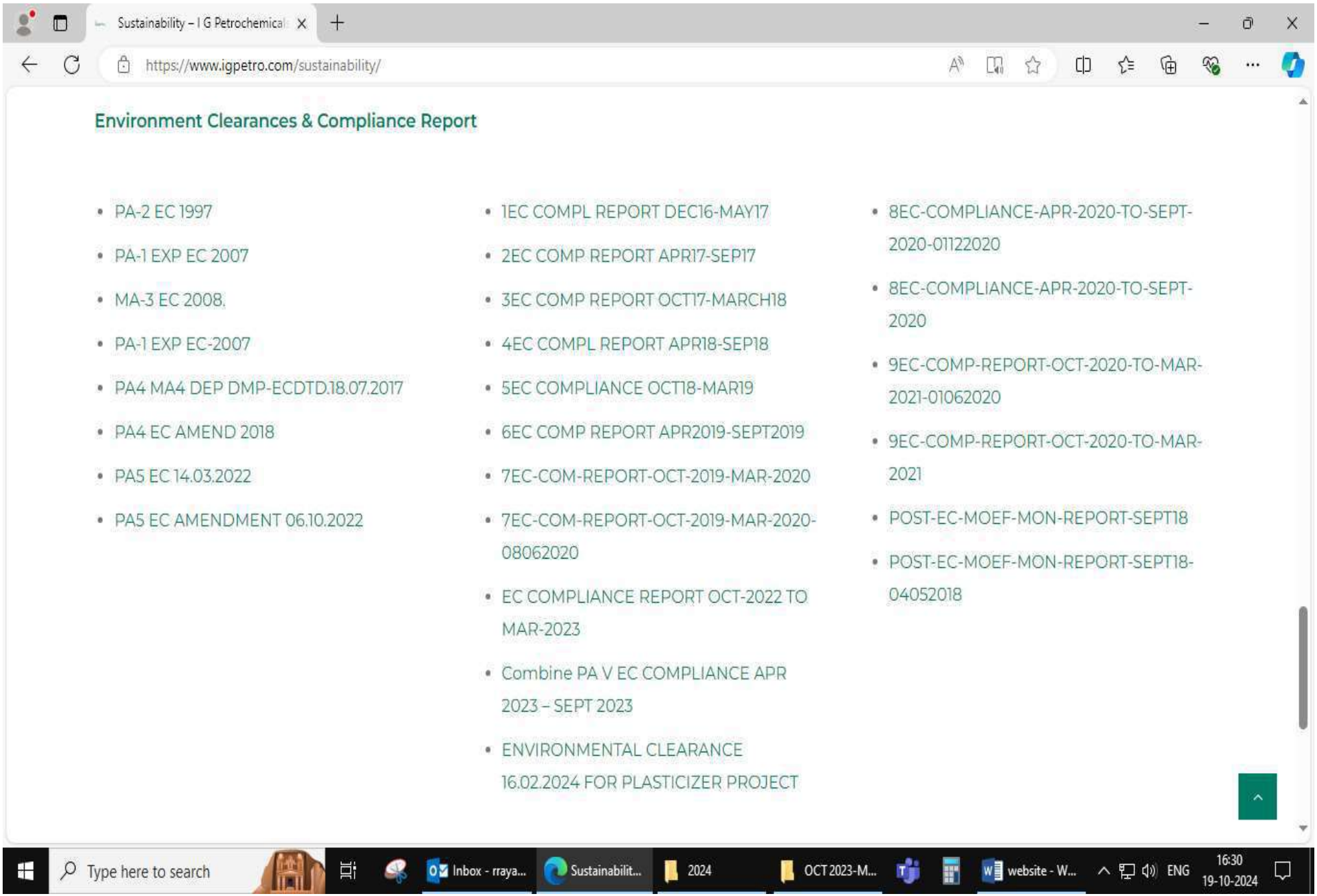
- Eliminate or minimize Hazards and Risk to Health and Safety as far as practicable.
- Conduct frequent Audits, Risks Assessment and Mock Drill Etc. and implement suggestion given to improve work environment.
- Educate Employees for their general responsibility and other people towards Health and Safety 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
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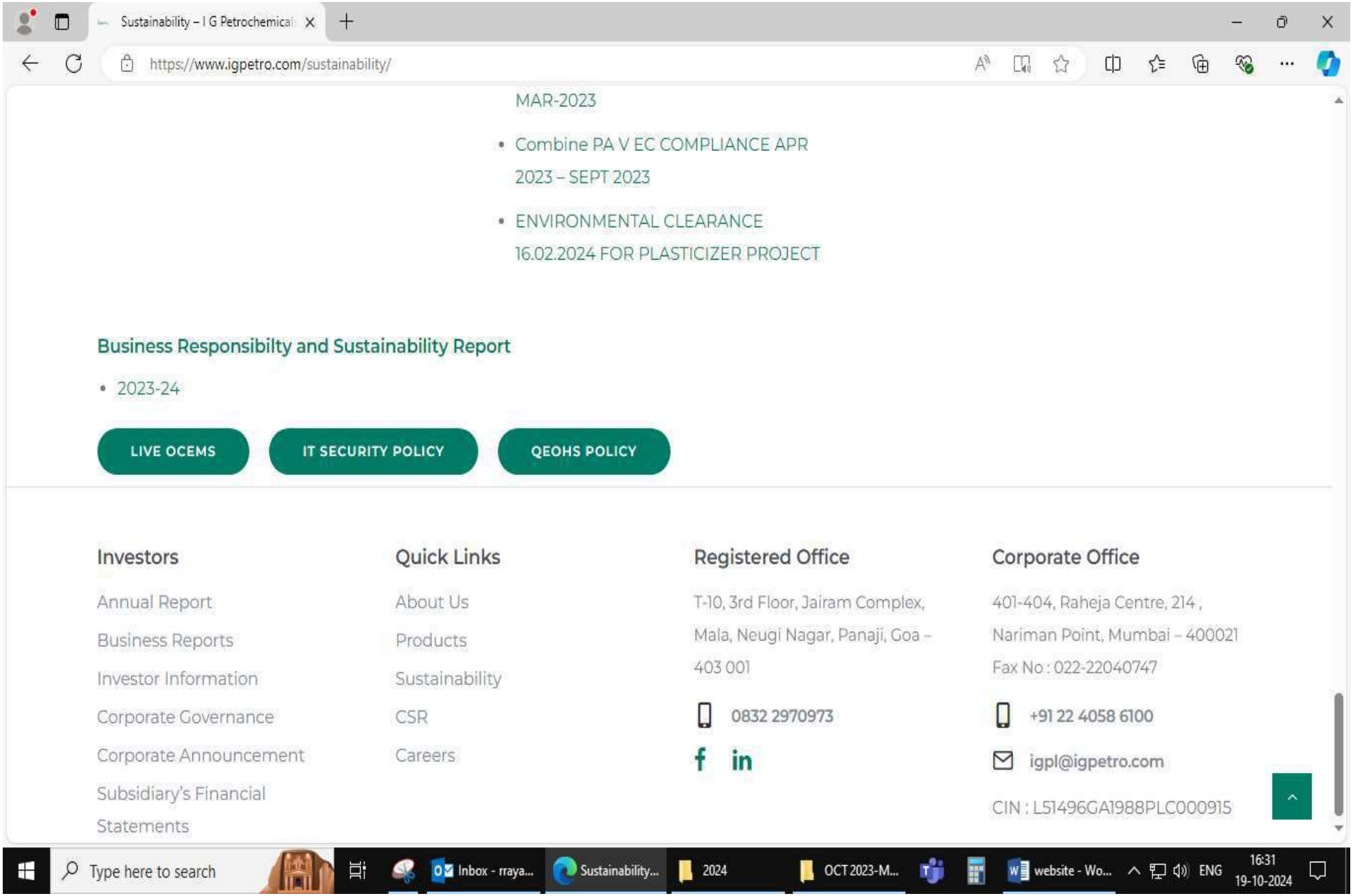
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Combine PA V EC COMPLIANCE APR 2023 – SEPT 2023
ENVIRONMENTAL CLEARANCE 16.02.2024 FOR PLASTICIZER PROJECT
Business Responsibilty and Sustainability Report
2023-24
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0832 2970973
Corporate Office
401-404, Raheja Centre, 214 , Nariman Point, Mumbai – 400021
Fax No : 022-22040747
+91 22 4058 6100
igpl@igpetro.com
CIN : L51496GA1988PLC000915
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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-

RO- 1 –

RO- 2-

UF AND RO BUILDING-

MEE PLANT-

ANNEXURE - XXVI

TREE SURVIVAL REPORT PLANTED AT NITLAS & GHOT CAMP–

CIDCO / RAMKY ROAD

MIYAWAKI FOREST –


GPL