



IG PETROCHEMICALS LIMITED

Date: 28th May 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 20th June 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 Oct 2023 – Mar 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.

Ref	PA-I EXPANSION EC COMPLIANCE REPORT OCT 2023 – MAR 2024 EC No. J-11013/14/2007-IAII (I) dated 12.06.2007.
To	I G Petrochemicals Ltd, T-2, MIDC Talaja
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 and PA – III plant and PA – IV is obtained which is commissioned. Actual production details as per listed below:

Product	As per Environmental Clearances	As per Consent to Operate (2020)	Actual Production		Remarks
			APRIL 2022- MARCH 2023 full year	OCT 2023 – MAR 2024	
Phthalic Anhydride	PAI+PAII90000 MTPA PAI EXP 26110 MTPA PAIII 53000 MTPA PA IV 53000	222110 MT/A	204554.350 MT	98320.430 MT	<ul style="list-style-type: none"> We are well within the prescribed limit of EC & Consent

	MTPA				
Benzoic Acid	1500 MT/A	1500 MT/A	816.830 MT	322.000 MT	
Maleic Anhydride	7660 MT/A	7660 MT/A	6904.225 MT	3162.825 MT	
Di Ethyl Phthalate	12600 MT/A	12600 MT/A	4678 MT	3320.121 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 m³/hr to 3600 m³/hr due to reduced organics levels in the off	We are regularly monitoring Air pollution through MoEF recognized laboratory. TOC monitoring reports for OCT 2023 – MAR 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.

	gases.	
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 OCT 2023 - MAR 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 Oct 2023 - March 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 OCT 2023 - MAR 2024 period are enclosed under ANNEXURE - II
vii.	Raw material will be stored in covered	Major Raw Material is o-Xylene which is liquid

	yards. Water sprinkling arrangement should be made in the raw material stock yard to control fugitive emissions.	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 70.0 dBA in the month of Jan 2024. Monitoring Reports for the period OCT 2023 - MAR 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 recover 20354 m3 of rain water during Oct 2023 to Mar 2023. Since Oct 2023 to Mar 2024 is non-monsoon duration, no rain water recovered for this period.
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	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

	each employee shall be maintained separately.	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	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 OCT 2023 - MAR 2024 period are enclosed as

	SPM, SO ₂ and NO _x 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.	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 OCT 2023 - MAR 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 19 th May 1993 and 31 st 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 OCT 2023 - MAR 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	Yes, above condition is complied with. 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

	all sources of noise generation.	sources are enclosed. Regular Noise Level monitoring undertaken. Maximum Noise Level measured is 70 dBA in the month of Jan 2024. Reports for the period OCT 2023 - MAR 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 with full fledge laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	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.
ix.	Separate funds will be earmarked for the environmental protection measures and shall be used judiciously used to implement	Yes, we have provided separate funds for Environmental Protection Measures and we affirm that same will not be diverted for any

	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.	other purpose, Budget for Environment Protection is enclosed as ANNEXURE - IX
x.	Concerned Regional Office of this Ministry / SPCB / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.	Yes, we are regularly submitting six monthly compliance report to the ministry / SPCB / CPCB. Please refer ANNEXURE - V for last submitted six monthly compliance report.
xi.	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter 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.	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 .
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	Yes, complied. MPCB CTO No. BO/RO-NM/PCI-I/1208-08/0/CC-193 dated 22 nd Dec 2008 is available. This was expansion project.

	and the date of start of land development work.	
	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 OCT 2023 – MAR 2024 EC No.J.11012/78/96-IA-II Dated 20 th June 1997
To	IG Petrochemicals Ltd, T-2, MIDC Talaja
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 stipulated	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

	<p>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 <i>be</i> immediately put out of operation and should not be restarted until the control measures are rectified to achieve the desired efficiency.</p>	
<p>iv.</p>	<p>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.</p> <p>Stack emissions from the process and boilers and incinerator should be monitored for SO₂, NO_X 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 from the plant is expected to exceed ambient air quality standards.</p> <p>In view of the above, project proponent should provide necessary enhancement/changes in stack design to ensure that SO₂ level in the ambient air. is maintained within the stipulated norms.</p> <p>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.</p>	<p>Yes, the ambient air quality monitoring is carried out regularly in existing plants and same practice will be continued in future.</p> <p>REFER ANNEXURE II</p> <p>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.</p> <p>REFER ANNEXURE XVI FOR OCEMS DASHBOARD</p> <p>The ambient air quality data is submitted along with 6 monthly EC compliance report.</p> <p>REFER ANNEXURE II</p>

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	<p>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.</p> <p>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.</p>
vi.	The existing ETP facilities should be upgraded by providing tertiary treatment facilities to 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 ist6582-197i. 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	<p>The ETP plant was revamped in the years 1998 (incorporating tertiary treatment) and 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.</p> <p>The note on revamping of ETP is enclosed as ANNEXURE - XI.</p> <p>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</p>

	notified under the Environment (Protection) Rules, 1986.	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 not be restarted until the control measures are rectified to achieve the desired efficiency.	Holding tanks with total capacity 880 m ³ for incoming effluent and 400 m ³ 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)
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 OCT 2023 - MAR 2024 EC No. J-11011/994/2007/I A (II) I dated: 03.12.2009
To	I.G. Petrochemicals Ltd, T-2, MIDC Talaja
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, Talaja 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, Talaja. 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 Oct 2022 – Mar 2023. The effluent after primary, secondary & tertiary treatment is discharged to CETP, Talaja. 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)	<p>The Company shall install full-fledged ETP to treat the process effluent and treated effluent after primary, secondary and tertiary treatment and confirming to the prescribed standards shall be sent to CETP for further treatment. The company shall construct a guard pond for treated effluent and shall carry out the bioassay test by collecting the treated effluent into guard pond before discharging into CETP. The reports shall be submitted to CPCB and Ministry's Regional Office at Bhopal.</p>
	<p>The existing ETP plant was revamped in 2013 to treat the additional load from the expansion before commissioning the Phase III plant. Holding tanks with total capacity 880 m³ for incoming effluent and 400 m³ treated effluent are provided in ETP. Bioassay test is already carried out on our effluent through MoEF recognized third party. Company is already a Member of CETP and all effluents shall be disposed to CETP.</p> <p>The note on revamping of ETP is enclosed as ANNEXURE – XI.</p> <p>We have continuous online effluent monitoring system (BOD, COD, pH, TSS) connected to CPCB and MPCB servers. Ref ANNEXURE XVI.</p>

		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, NO_x & 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 is generated from ETP tertiary treatment process & DEP Plant, thus unsuitable for burning in cement plants. There is no Cement

	spent carbon should be incinerated.	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 under Manufacture, Storage and Import of Hazardous Chemicals, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed authority under the MSIHC Rules. Consent to Operate / Authorization from MPCB for PA -I, PA - II, PA - III and PA - IV plant is obtained with vide No. 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 the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Yes, agreed.
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	Yes, agreed.

	shall not be restarted until the control measures are rectified to achieve the desired efficiency.	
iv)	The gaseous emissions (NO _x , SO ₂ 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 SO ₂ , NO _x 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 anticipated.	Yes, the ambient air quality monitoring is carried out regularly & will be continued. REFER ANNEXURE II
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 70 dBA in the month of Jan 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	Yes agreed.

	management & risk mitigation measures relating to the project shall be implemented.	
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 NGO, if any from whom suggestions / representations, if any were received while processing the proposal.	Yes –submitted to Ghot Grampanchayat & Municipal Corporation. Refer Annexure - XXIII.
xiv)	The project proponent shall also submit six monthly reports on the status of compliance of conditions stipulated E C conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and State Pollution Control Board.	Yes, six monthly reports are being submitted regularly. For Last submitted report refer ANNEXURE V
xv)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with State Pollution Control Board / Committee and may also be seen 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 approval of the project by the concerned authorities and the date of start of construction.	The implementation of Phase IV PA, MA & Benzoic plants are done. Benzoic acid recovery project which envisages recovery of benzoic acid from residue and waste water is installed and commissioned – Consent to Operate copy attached. 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 OCT 2023 - MAR 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 (2020)	Actual Production		Remarks
			APRIL 2023-MARCH 2024 full year	OCT 2023 - MAR 2024 6 months	
Maleic Anhydride	7660 TPA	7660 TPA	6904.225 MT	3162.825 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, SO ₂ and NO _x) 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 20354 m ³ of rain water during Oct 2023 to Mar 2023. Since Oct 2023 to Mar 2024 is non-monsoon duration, no rain water recovered for this period.

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 70.0 dBA in the month of Jan 2024. Monitoring Reports for the period OCT 2023 - MAR 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 of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project.	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed authority under the MSIHC Rules. Consent to Operate / Authorization from MPCB 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	Complied.

	Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.	
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.	Complied.

I. G. Petrochemicals Ltd.

PAIV-MAIV-BENZOIC ACID –DEP/DMP-ETP UPGRADATION Compliance Report

Ref	PA-IV EC COMPLIANCE REPORT OCT 2023 - MAR 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 Talaja
For	Expansion of Petrochemical and synthetic organic chemicals manufacturing facility.
Status	Phthalic Anhydride & Maleic Anhydride Plants are commissioned, Di Ethyl / Di Methyl Phthalic Plant is under erection.

Proposal is for expansion of petrochemical and synthetic organic chemicals manufacturing facility at Plot No. T-2, MIDC Talaja, 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

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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.	<p>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.</p> <p>42 numbers of trees were replanted against non-living & damaged tress. Survival rate is 98.82 %.</p> <p>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.</p>
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.	<p>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.</p>
iii.	A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking	<p>Appointed qualified staff with post-graduation in Environmental Science (Master in Environment Management -M.E.M from SIBER</p>

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	after the environmental management activities of the proposed plant.	Institute.) Engineering is appointed for environmental management activities.
iv.	The unit shall adhere to zero liquid discharge (ZLD) . As per EC amendment dated 20th Feb 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 workers shall be done on a regular basis	Regular medical check-ups of all the

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	and records maintained as per the Factories Act.	<p>employees are conducted.</p> <p>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</p> <p>Company has well equipped Occupational Health center (OHC) with two beds located in its admin building.</p> <p>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</p>
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.	<p>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.</p>

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.	<p>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.</p>
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and	<p>Yes, agreed. No further expansion or modification in the plant will be carried out without prior approval from MoEF & CC</p>

	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 16 th 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 70.0 dBA in the month of Jan 2024. Reports for Oct 2023 - Mar 2024 period are enclosed under ANNEXURE - II showing compliance.
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Yes, we have installed rainwater harvesting system and recover 20354 m3 of rain water during Oct 2023 – Mar 2024. Since Oct 2023 to Mar 2024 is non-monsoon duration, no rain water recovered for this period.

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.	<p>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.</p>	<p>Yes, Budget for Environment Protection as stipulated in the EIA has been used for environmental protection in proposed expansion project.</p>
xiii.	<p>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.</p>	<p>Yes, we have submitted EC copy to Panvel Municipal Corporation which is local body. REF ANNEXURE XXIII</p>
xiv.	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.</p>	<p>Yes, it is carried out regularly for all EC s. Refer ANNEXURE V for Ack. Copy of last six monthly compliance report submitted</p>
xv.	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by email.</p>	<p>Yes, it is carried out regularly in existing plants and same practice will be adopted in expansion plant. REFER ANNEXURE -XXI.</p>

I. G. Petrochemicals Ltd.

PAIV-MAIV-BENZOIC ACID –DEP/DMP-ETP UPGRADATION Compliance Report

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 forwarded to the concerned Regional Office of the Ministry.	Complied- advertisement was placed in media on obtaining the Environmental clearance. Copy of Advertisement published in local newspaper is enclosed herewith as ANNEXURE- X.
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)	Yes, Noted.

I. G. Petrochemicals Ltd.

PAIV-MAIV-BENZOIC ACID –DEP/DMP-ETP UPGRADATION Compliance Report

	<p>Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.</p>	
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INDEX

ANNEXURE NO.	DESCRIPTION
ANNEXURE-I	: CER guidelines from MOEF & CC
ANNEXURE-II	: <ul style="list-style-type: none"> - Environmental Monitoring Reports for: - Ambient Air Quality, - Ambient Noise Level, - Stack Emission Monitoring, - Work Room Air Quality Monitoring, - ETP Inlet / Outlet Monitoring Reports
ANNEXURE – III	: Data on Water Consumption & Waste Water Generation.
ANNEXURE – IV	: Data on Residue Generation.
ANNEXURE – V	: Ack. Copy of last six monthly compliance report submitted.
ANNEXURE – VI	: Photograph Showing Designated Area for Raw Material Storage
ANNEXURE – VII	: Plot Plan
ANNEXURE - VIII	: Details of Occupational Health Surveillance Program.
ANNEXURE - IX	: Budget for Environmental Protection.
ANNEXURE - X	: Copy of Advertisements.
ANNEXURE – XI	: Note on revamped ETP.
ANNEXURE – XII	: Photograph of MPCB display board.
ANNEXURE – XIII	: Copy of MWML Membership Certificate.
ANNEXURE – XIV	: Copy Hazardous Waste Returns for year 2021 - 2022.

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%

- visal
- (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.


(Sharath Kumar Palleria)
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 Mns (EP&CC)
- 3 PPS to Secretary (EP&CC)
- 4 PPS to AS(AA) / AS(AAM)
- 5 PPS to JS(GB) / JS(JF)
- 6 Website: MnsEP&CC
- 7 Guard File

ANNEXURE II

DRINKING WATER ANALYSIS

Drinking Water Analysis Report										
Sr. No	Location	Oct-23			Nov-23			Dec-23		
		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
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	Jan-24			Feb-24			Mar-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
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

<u>WORK PLACE FUGATIVE EMISSION MONITORING REPORT</u>					
Sr. No.	Parameter	Analysis Result			Limiting Standard
		Oct - 2023			
		09-10-2023			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
2	Phthalic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
3	Ortho Xylene	<1.0	<1.0	-	25 mg/Nm ³
4	Benzoic Acid	<0.5	<0.5	-	25 mg/Nm ³
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m ³
6	Phthalic Anhydride	-	-	<0.5	20 mg/Nm ³
7	Benzene	-	-	<0.5	1 ppm

<u>WORK PLACE FUGATIVE EMISSION MONITORING REPORT</u>					
Sr. No.	Parameter	Analysis Result			Limiting Standard
		Nov – 2023			
		07-11-2023			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
2	Phthalic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
3	Ortho Xylene	<1.0	<1.0	-	25 mg/Nm ³
4	Benzoic Acid	<0.5	<0.5	-	25 mg/Nm ³
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m ³
6	Phthalic Anhydride	-	-	<0.5	20 mg/Nm ³
7	Benzene	-	-	<0.5	1 ppm

ANNEXURE II

WORK PLACE FUGATIVE EMISSION MONITORING REPORT					
Sr. No.	Parameter	Analysis Result			Limiting Standard
		Dec – 2023			
		07-12-2023			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
2	Phthalic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
3	Ortho Xylene	<1.0	<1.0	-	25 mg/Nm ³
4	Benzoic Acid	<0.5	<0.5	-	25 mg/Nm ³
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m ³
6	Phthalic Anhydride	-	-	<0.5	20 mg/Nm ³
7	Benzene	-	-	<0.5	1 ppm

WORK PLACE FUGATIVE EMISSION MONITORING REPORT					
Sr. No.	Parameter	Analysis Result			Limiting Standard
		Jan -2024			
		12-01-2024			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
2	Phthalic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
3	Ortho Xylene	<1.0	<1.0	-	25 mg/Nm ³
4	Benzoic Acid	<0.5	<0.5	-	25 mg/Nm ³
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m ³
6	Phthalic Anhydride	-	-	<0.5	20 mg/Nm ³
7	Benzene	-	-	<0.5	1 ppm

ANNEXURE II

WORK PLACE FUGATIVE EMISSION MONITORING REPORT					
Sr. No.	Parameter	Analysis Result			Limiting Standard
		Feb – 2024			
		07-02-2024			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
2	Phthalic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
3	Ortho Xylene	<1.0	<1.0	-	25 mg/Nm ³
4	Benzoic Acid	<0.5	<0.5	-	25 mg/Nm ³
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m ³
6	Phthalic Anhydride	-	-	<0.5	20 mg/Nm ³
7	Benzene	-	-	<0.5	1 ppm

WORK PLACE FUGATIVE EMISSION MONITORING REPORT					
Sr. No.	Parameter	Analysis Result			Limiting Standard
		March – 2024			
		21-03-2024			
		Ortho Xylene (Unloading)	Ortho Xylene (Tank Farm)	DEP Plant	
1	Maleic Anhydride	<0.1	<0.1	-	25 mg/Nm ³
2	Phthalic Anhydride	<0.5	<0.5	-	25 mg/Nm ³
3	Ortho Xylene	<1.0	<1.0	-	25 mg/Nm ³
4	Benzoic Acid	<0.5	<0.5	-	25 mg/Nm ³
5	Ethyl Alcohol	-	-	<0.1	1900 mg/m ³
6	Phthalic Anhydride	-	-	<0.5	20 mg/Nm ³
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	Oct – 2023			
	10-10-2023			
	PA	SO2	NOx	SPM
	ppm	mg/m ³	mg/m ³	mg/m ³
Phthalic Anhydride Ware House	<0.25	0.028	0.040	0.351
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	Nov -2023			
	08-11-2023			
	PA	SO2	NOx	SPM
	ppm	mg/m ³	mg/m ³	mg/m ³
Phthalic Anhydride Ware House	<0.25	0.030	0.038	0.354
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				
	Dec – 2023			
	07-12-2023			
Location	PA	SO2	NOx	SPM
	ppm	mg/m ³	mg/m ³	mg/m ³
Phthalic Anhydride Ware House	<0.25	0.033	0.044	0.378
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				
	Jan – 2024			
	12-01-2024			
Location	PA	SO2	NOx	SPM
	ppm	mg/m ³	mg/m ³	mg/m ³
Phthalic Anhydride Ware House	<0.25	0.030	0.041	0.370
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				
	Feb - 2024			
	07-02-2024			
Location	PA	SO2	NOx	SPM
	ppm	mg/m ³	mg/m ³	mg/m ³
Phthalic Anhydride Ware House	<0.25	0.032	0.044	0.375
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				
	Mar -2024			
	20-03-2024			
Location	PA	SO2	NOx	SPM
	ppm	mg/m ³	mg/m ³	mg/m ³
Phthalic Anhydride Ware House	<0.25	0.031	0.045	0.366
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

<u>WORK ROOM EMISSION MONITORING REPORT</u>						
Sr. No.	Parameter	Analysis Result				Limiting Standard
		Oct – 2023				
		09-10-2023				
		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

<u>WORK ROOM EMISSION MONITORING REPORT</u>						
Sr. No.	Parameter	Analysis Result				Limiting Standard
		Nov – 2023				
		07-11-2023				
		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
		Dec - 23				
		07-12-2023				
		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
		Jan - 24				
		12-01-2024				
		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
		Feb - 24				
		07-02-2024				
		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
		Mar - 24				
		21-03-2024				
		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	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
SO ₂	80 ug/m ³	27.26	28.26	27.70	24.96	25.98	27.60
Nox	80 ug/m ³	43.40	41.15	36.33	33.49	36.27	35.47
PM 10	100 ug/m ³	73.95	86.58	74.65	77.91	76.69	78.43
PM 2.5	60 ug/m ³	29.92	37.77	31.73	31.44	32.69	32.65
OZONE	180 ug/m ³	14.16	13.38	14.58	14.24	13.71	14.76
Lead	1 ug/m ³	0.33	<0.3	0.11	0.12	0.25	0.25
CO	4 mg/m ³	1.07	1.08	0.89	0.92	0.97	0.86
Benzene	5 ug/m ³	<0.6	<0.7	<0.8	0.70	0.73	0.73
Benzopyrene	1 ug/m ³	<0.3	<0.2	<0.2	0.20	0.23	0.23
Arsenic	6 ug/m ³	<2.7	<1.9	<1.55	1.90	1.93	1.93
Nickel	20 ug/m ³	<7.92	<7.5	9.04	9.79	6.92	7.46
NH ₃	400 ug/m ³	26.64	20.94	22.91	23.42	21.80	24.56

Ambient air monitoring- Near PA 4							
Parameters	Standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
SO2	80 ug/m3	28.07	24.00	27.56	29.63	29.50	28.48
Nox	80 ug/m3	38.21	43.24	37.29	39.04	38.51	36.42
PM 10	100 ug/m3	80.49	87.28	88.37	70.40	74.08	71.91
PM 2.5	60 ug/m3	35.04	39.43	36.48	31.38	33.81	32.10
OZONE	180 ug/m3	14.16	16.09	16.06	14.23	14.50	14.25
Lead	1 ug/m3	<0.2	<0.6	<0.6	0.13	0.24	0.24
CO	4 mg/m3	1.10	1.06	0.83	1.00	1.05	0.99
Benzene	5 ug/m3	<0.7	<2.1	<2.1	0.80	0.73	0.73
Benzopyrene	1 ug/m3	<0.2	<0.5	<0.5	0.20	0.23	0.23
Arsenic	6 ug/m3	<1.9	<3.8	<3.8	1.55	1.93	1.93
Nickel	20 ug/m3	<7.9	<11.6	<11.6	10.17	8.14	7.94
NH3	400 ug/m3	21.21	25.01	22.73	21.70	23.14	21.47

Ambient air monitoring- Main Gate							
Parameters	Standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
SO2	80 ug/m3	29.58	27.44	30.42	28.67	28.41	28.35
Nox	80 ug/m3	39.20	40.45	40.52	37.96	40.65	36.97
PM 10	100 ug/m3	79.38	85.47	79.50	79.29	82.41	73.40
PM 2.5	60 ug/m3	33.36	40.40	36.24	32.31	30.15	30.09
OZONE	180 ug/m3	14.95	15.72	14.18	14.05	17.14	15.31
Lead	1 ug/m3	<0.3	0.16	0.11	0.12	0.31	0.21
CO	4 mg/m3	1.10	1.08	0.95	0.92	0.92	0.99
Benzene	5 ug/m3	<0.7	<0.7	<0.7	0.70	0.60	0.80
Benzopyrene	1 ug/m3	<0.2	<0.2	<0.2	0.20	0.30	0.20
Arsenic	6 ug/m3	<1.9	<1.9	<1.9	1.90	2.70	1.55
Nickel	20 ug/m3	9.00	<8.5	<8.5	8.75	7.52	7.95
NH3	400 ug/m3	23.06	23.47	25.88	21.72	31.48	15.14
Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.							

ANNEXURE II

EFFLUENT ANALYSIS REPORT

TREATED EFFLUENT ANALYSIS REPORT							
Month	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Limiting Standard (*)
Date	11-10-23	09-11-23	14-12-23	13-01-24	08-02-24	09-03-24	
pH	7.35	7.3	7.2	7.25	7.5	7.2	5.5-9.0
COD	20	40	70	10	70	70	250
BOD	6.9	14	24	4	28	24	100
TDS	980	850	1190	1530	1290	1190	2100
Chloride	170	160	248	304	270	248	600
TSS	38	32	30	30	42	30	100
Sulphates	155	148	235	112	230	235	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	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°C.							
Monitoring & Analysis by Aditya Environmental Services Pvt. Ltd.							

ANNEXURE II

STACK EMISSION MONITORING

A Heater Stack Emission Monitoring - PA I							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 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 (m²)		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)		57 °C	60 °C	-	64 °C	65 °C	68 °C
Velocity m/sec		6.90 m/sec	7.12 m/sec	-	7.37 m/sec	7.23 m/sec	7.49 m/sec
Flow m³/hr.		4084 m ³ /hr.	4250 m ³ /hr.	-	4251 m ³ /hr.	4139 m ³ /hr.	4326 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	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		09-10-2023	06-11-2023		10-01-2024	07-02-2024	05-03-2024
TPM (mg/Nm³)	150	43.78	50.05	-	58.45	54.78	49.69
SO₂ (Kg/Day)	1700	3.15	3.69	-	4.31	4.60	3.98
Nox (mg/Nm³)	450	64.26	68.13	-	77.20	54.78	66.03
CO (ppm)	200	9.00	12.70	-	15.09	16.4	14.8
Acid Mist (mg/Nm³)	35	4.05	7.71	-	6.17	4.46	3.38

B

Heater Stack Emission Monitoring - PA II							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (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 (m²)		0.274 m ²	0.274 m ²				
Flue Gas Temperature (°C)		54 °C	56 °C	55 °C	52 °C	64 °C	-
Velocity m/sec		6.20 m/sec	6.62 m/sec	6.15 m/sec	6.08 m/sec	7.59 m/sec	-
Flow m³/hr.		5561 m ³ /hr.	5521 m ³ /hr.	5354 m ³ /hr.	5452 m ³ /hr.	6209 m ³ /hr.	-
Fuel Used		LSHS + Residue	LSHS + Residue				
Fuel Quantity		4 MTPD + 7 MTPD	4 MTPD + 7 MTPD				
PA II Heater	Limiting Standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		09-10-2023	09-11-2023	11-12-2023	12-01-2024	07-02-2024	
TPM (mg/Nm³)	150	46.24	38.09	41.33	29.72	36.02	-
SO₂ (Kg/day)	360	3.82	2.73	3.38	0.48	4.21	-
Nox (mg/Nm³)	450	75.10	70.24	66.49	<9.0	58.96	-
CO ppm	200	8.00	10.53	14.51	11.80	12.96	-
Acid mist (mg/Nm³)	35	14.63	8.01	10.76	<1.0	<1.0	-

C

Heater Stack Emission Monitoring - PA IV							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 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 (m²)		0.503 m ²	0.503 m ²	0.503 m ²	0.503 m ²	0.503 m ²	0.503 m ²
Flue Gas Temperature (°C)		142	145 °C	146 °C	145 °C	149 °C	163 °C
Velocity m/sec		11.08	11.31 m/sec	10.90 m/sec	10.85 m/sec	11.25 m/sec	11.21 m/sec
Flow m³/hr.		13932	14090 m ³ /hr.	13708 m ³ /hr.	7451 m ³ /hr.	13984 m ³ /hr.	13546 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	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		10-10-2023	07-11-2023	12-12-2023	12-01-2024	07-02-2024	06-03-2024
TPM (mg/Nm³)	100	39.96	46.40	49.81	44.40	47.40	51.31
SO₂ (Kg/day)	360	9.09	11.38	12.94	6.04	12.20	10.06
Nox (mg/Nm³)	450	68.01	61.30	68.57	64.42	70.54	62.34
CO ppm	200	10.80	8.50	8.23	9.60	10.20	9.86
Acid mist (mg/Nm³)	35	9.87	13.92	15.53	18.62	13.93	10.83

D

Boiler Stack Emission Monitoring							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		55 m					
Inside Diameter (m)		2.60 m					
Stack Area (m²)		5.311 m ²					
Flue Gas Temperature (°C)		178 °C	175 °C	179 °C	175 °C	159 °C	179 °C
Velocity m/sec		2.44 m/sec	2.72 m/sec	3.33 m/sec	2.82 m/sec	4.12 m/sec	2.93 m/sec
Flow m³/hr.		30084 m ³ /hr.	33762 m ³ /hr.	41022 m ³ /hr.	35002 m ³ /hr.	53314 m ³ /hr.	36050 m ³ /hr.
Fuel Used		Furnace Oil					
Fuel Quantity		28 MTPD (maximum)	27 MTPD (maximum)				
Boiler	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		09-10.2023	09-11-2023	11-12-2023	10-01-2024	07-02-2024	05-03-2024
TPM(mg/Nm³)	100	69.01	60.31	55.90	51.87	57.71	54.20
Nox Conc (mg/Nm³)	450	70.65	82.08	78.28	71.69	73.37	77.92
SO₂ (Kg/Day)	2430	56.46	57.53	63.32	49.15	88.13	55.00
CO mg/Nm³	200	11.50	12.07	10.88	13.08	14.28	13.62

E

Scrubber Stack Emission Monitoring - PA I							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		50 m	50 m	50 m	50 m	50 m	50 m
Inside Diameter (m)		1.99 m	1.99 m	1.99 m	1.99 m	1.99 m	1.99 m
Stack Area (m²)		3.112 m ²	3.112 m ²	3.11 m ²	3.112 m ²	3.112 m ²	3.112 m ²
Flue Gas Temperature (°C)		52 °C	47 °C	-	48 °C	49 °C	48 °C
Velocity m/sec		7.23 m/sec	7.25 m/sec	-	7.81 m/sec	7.24 m/sec	7.44 m/sec
Flow m³/hr.		67470 m ³ /hr	66780 m ³ /hr	-	76935 m ³ /hr	66810 m ³ /hr	70620 m ³ /hr
PA I Scrubber	Limiting Standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		09-10-2023	06-11-2023	-	10-01-2024	07-02-2024	05-03-2024
TOC (mg/Nm³)	150	ND	ND	-	ND	ND	ND
SO₂ (mg/Nm³)	850	<5.0	<5.0	-	<5.0	<5.0	<5.0
TPM (mg/Nm³)	50	27.38	49.38	-	9.73	17.97	11.30
NO_x (mg/Nm³)	350	9.48	<9.0	-	<9.0	<9.0	<9.0
Acid mist (mg/Nm³)	35	12.32	16.94	-	13.88	16.98	15.40
ND - NOT DETECTED							

F

Scrubber Stack Emission Monitoring - PA II							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		50 m	50 m				
Inside Diameter (m)		1.69 m	1.69 m				
Stack Area (m²)		2.244 m ³	2.244 m ²	2.244 m ²	2.244 m ²	2.244 m ²	2.24 m ²
Flue Gas Temperature (°C)		46 °C	43 °C	43 °C	44 °C	50 °C	-
Velocity m/sec		7.65 m/sec	7.96 m/sec	7.76 m/sec	7.44 m/sec	7.48 m/sec	-
Flow m³/hr.		51748 m ³ /hr	54718 m ³ /hr	52616 m ³ /hr	55420 m ³ /hr	50519 m ³ /hr	-
PA - II Scrubber	Limiting Standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		09-10-2023	07-11-2023	11-12-2023	12-01-2024	07-02-2024	-
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	-
SO₂ (ppm)	1700	<5.0	<5.0	<5.0	<5.0	<5.0	-
TPM (mg/Nm³)	100	31.72	26.93	23.09	19.21	22.61	-
Nox (mg/Nm³)	450	20.78	<9.0	<9.0	<9.0	<9.0	-
Acid mist (mg/Nm³)	35	8.59	10.64	13.51	11.06	15.48	-
ND - NOT DETECTED							

G

Scrubber Stack Emission Monitoring - PA III							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 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 (m²)		2.244 m ³	2.24 m ²	2.244 m ²	2.244 m ²	2.244 m ²	2.244 m ²
Flue Gas Temperature (°C)		51 °C	-	45 °C	42 °C	52 °C	53 °C
Velocity m/sec		7.15 m/sec	-	7.35 m/sec	7.09 m/sec	6.99 m/sec	7.09 m/sec
Flow m³/hr.		48467 m ³ /hr	-	48689 m ³ /hr	49843 m ³ /hr	46745 m ³ /hr	49299 m ³ /hr
PA III Scrubber	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		11-10-2023	-	11-12-2023	12-01-2024	07-02-2024	06-03-2024
TOC (mg/Nm³)	150	ND	-	ND	ND	ND	ND
SO₂ (ppm)	1700	<5.0	-	<5.0	<5.0	<5.0	<5.0
TPM (mg/Nm³)	100	32.09	-	21.02	18.80	23.62	27.45
Nox (mg/Nm³)	450	17.82	-	<9.0	<9.0	<9.0	<9.0
Acid mist (mg/Nm³)	35	7.70	-	12.02	17.07	15.52	19.97
ND - NOT DETECTED							

H

Scrubber Stack Emission Monitoring - PA IV							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		50 m					
Inside Diameter (m)		1.69 m					
Stack Area (m²)		2.244 m ²					
Flue Gas Temperature (°C)		48 °C	49 °C	39 °C	43 °C	46 °C	50 °C
Velocity m/sec		7.11 m/sec	7.68 m/sec	6.96 m/sec	6.50 m/sec	7.06 m/sec	7.40 m/sec
Flow m³/hr.		47870 m ³ /hr	47856 m ³ /hr	46801 m ³ /hr	61777 m ³ /hr	47943 m ³ /hr	52323 m ³ /hr
PA IV Scrubber	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		10-10-2023	09-11-2023	12-12-2023	12-01-2024	07-02-2024	06-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
SO₂ (ppm)	850	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TPM	50	29.54	35.69	31.03	24.96	29.41	21.70
Nox	350	35.79	<9.0	<9.0	<9.0	<9.0	<9.0
Acid mist (mg/Nm³)	35	15.79	7.73	9.26	6.21	10.86	9.82
ND- Not Detected							

Stack Emission Monitoring - PA Dedusting 1

Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		12 m					
Inside Diameter (m)		0.35 m					
Stack Area (m²)		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)		41 °C	45 °C	42 °C	40 °C	40 °C	44 °C
Velocity m/sec		9.73 m/sec	9.86 m/sec	9.71 m/sec	9.68 m/sec	9.40 m/sec	8.38 m/sec
Flow m³/hr.		3100 m ³ /hr	3118 m ³ /hr	3085 m ³ /hr	3124 m ³ /hr	3048 m ³ /hr	2681 m ³ /hr
PA Dedusting 1	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		11-10-2023	07-11-2023	13.12.2023	11-01-2024	07-02-2024	06-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
TPM (mg/Nm³)	150	9.50	12.38	11.36	13.31	9.81	12.59
Acid mist (mg/Nm³)	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ND- Not Detected							

Stack Emission Monitoring - PA Dedusting 2

Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		12 m					
Inside Diameter (m)		0.35 m					
Stack Area (m²)		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)		45 °C	47 °C	47 °C	41 °C	46 °C	47 °C
Velocity m/sec		10.46 m/sec	10.18 m/sec	10.28 m/sec	9.87 m/sec	10.39 m/sec	9.06 m/sec
Flow m³/hr.		3295 m ³ /hr	3227 m ³ /hr	3246 m ³ /hr	3176 m ³ /hr	3321 m ³ /hr	2871 m ³ /hr
PA Dedusting 2	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		11-10-2023	07-11-2023	13-12-2023	11-01-2024	07-02-2024	07-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
TPM (mg/Nm³)	150	6.18	8.23	14.57	8.43	12.13	10.48
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:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		12 m					
Inside Diameter (m)		0.35 m					
Stack Area (m²)		0.126 m ²					
Flue Gas Temperature (°C)		46 °C	46 °C	42 °C	48 °C	48 °C	45 °C
Velocity m/sec		13.88 m/sec	10.56 m/sec	11.50 m/sec	10.95 m/sec	8.34 m/sec	8.31 m/sec
Flow m³/hr.		5757 m ³ /hr	4393 m ³ /hr	4799 m ³ /hr	4616 m ³ /hr	3445 m ³ /hr	3469 m ³ /hr
PA Dedusting 3	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		11-10-2023	07-11-2023	13-12-2023	11-01-2023	07-02-2024	06-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
TPM (mg/Nm³)	150	7.52	6.96	9.92	12.63	8.60	13.74
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:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		12 m					
Inside Diameter (m)		0.35 m					
Stack Area (m²)		0.126 m ²					
Flue Gas Temperature (°C)		47 °C	46 °C	46 °C	44 °C	45 °C	44 °C
Velocity m/sec		4.90 m/sec	9.11 m/sec	8.06 m/sec	8.74 m/sec	11.87 m/sec	9.34 m/sec
Flow m³/hr.		2058 m ³ /hr	3769 m ³ /hr	3334 m ³ /hr	3656 m ³ /hr	4972 m ³ /hr	3915 m ³ /hr
PA Dedusting 4	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		11-10-2023	07-11-2023	13-12-2023	11-01-2024	07-02-2024	05-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
TPM (mg/Nm³)	150	11.07	14.73	16.81	10.61	13.55	18.65
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:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 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 (m²)		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	46 °C	46 °C	42 °C	40 °C	43 °C
Velocity m/sec		5.72 m/sec	6.46 m/sec	3.79 m/sec	2.67 m/sec	2.50 m/sec	3.44 m/sec
Flow m³/hr.		1046 m ³ /hr	1175 m ³ /hr	685 m ³ /hr	488 m ³ /hr	1068 m ³ /hr	632 m ³ /hr
MA bagging	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		12-10-2023	08-11-2023	13-12-2023	11-01-2024	07-02-2024	07-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
TPM (mg/Nm³)	150	11.62	13.92	16.80	7.47	8.32	12.8
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:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 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 (m²)		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	44 °C	41 °C	40 °C	46 °C	44 °C
Velocity m/sec		5.72 m/sec	6.12 m/sec	5.82 m/sec	5.95 m/sec	3.73 m/sec	6.05 m/sec
Flow m³/hr.		1046 m ³ /hr	1115 m ³ /hr	1072 m ³ /hr	1041 m ³ /hr	678 m ³ /hr	1107 m ³ /hr
MA flaker	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		12-10-2023	08-11-2023	13-12-2023	11-01-2024	07-02-2024	07-03-2024
TOC (mg/Nm³)	150	ND	ND	ND	ND	ND	ND
TPM (mg/Nm³)	150	13.05	9.74	7.86	11.05	9.89	14.38
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:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
Stack Height (m)		30 m					
Inside Diameter (m)		0.5 m					
Stack Area (m ²)		0.196 m ²					
Flue Gas Temperature (°C)		167 °C	149 °C	146 °C	152 °C	142 °C	138 °C
Velocity m/sec		7.00 m/sec	6.62 m/sec	6.56 m/sec	7.05 m/sec	7.02 m/sec	7.05 m/sec
Flow m ³ /hr.		3266 m ³ /hr.	3205 m ³ /hr.	3230 m ³ /hr.	3419 m ³ /hr.	3455 m ³ /hr.	3521 m ³ /hr.
Fuel Used		HSD	HSD	HSD	HSD	HSD	HSD
DG 2250 KVA	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		10-10-2023	06-11-2023	12-12-2023	10-01-2024	07-02-2024	05-03-2024
TPM(mg/Nm ³)	100	37.58	40.79	40.59	49.61	44.58	51.40
Nox conc (mg/Nm ³)	450	65.58	64.22	76.85	64.42	71.59	74.75
SO ₂ (mg/Nm ³)	1700	35.29	46.67	30.27	35.65	33.53	40.24
CO (mg/Nm ³)	200	11.06	10.00	10.05	12.50	13.20	12.60

P

Stack Emission Monitoring DG 2000 KVA							
Physical Data:		Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 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)		167 °C	157 °C	194 °C	-	-	-
Velocity m/sec		7.00 m/sec	7.31 m/sec	6.70 m/sec	-	-	-
Flow m ³ /hr.		3266 m ³ /hr.	3481 m ³ /hr.	2950 m ³ /hr.	-	-	-
Fuel Used		HSD	HSD	HSD	HSD	HSD	HSD
DG 2000 KVA	Limiting standard	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024
		10-10-2023	06-11-2023	12-12-2023	-	-	-
TPM(mg/Nm ³)	100	48.31	46.88	45.31	-	-	-
Nox conc (mg/Nm ³)	450	73.67	72.65	60.29	-	-	-
SO ₂ (mg/Nm ³)	1700	38.73	41.84	34.49	-	-	-
CO (mg/Nm ³)	200	13.00	9.08	13.72	-	-	-

ANNEXURE III

A) DATA ON WATER CONSUMPTION

PERIOD: Oct 2023 TO Mar 2024

MIDC Raw water receipt (Oct 2023 TO Mar 2024)		
Month	Raw water per month	Raw water per day
Oct 2023	73480	2370
Nov 2023	94070	3136
Dec 2023	84500	2726
Jan 2024	84080	2712
Feb 2024	78010	2690
Mar 2024	69930	2256
Average	80678	2648

B) DATA ON EFFLUENT GENERATION

PERIOD: Oct 2023 TO Mar 2024

CONSENTED EFFLUENT DISCHARGE TO CETP- 220 M3/DAY

Effluent discharged to CETP (Oct 2023 TO Mar 2024)		
Month	Effluent per month (m3)	Effluent per day (m3)
Oct 2023	2576	83
Nov 2023	2415	80
Dec 2023	2556	83
Jan 2024	2599	84
Feb 2024	3297	118
Mar 2024	3370	109
Average	2802	93

ANNEXURE – IV

RESIDUE GENERATION DATA

PERIOD – Oct 2023 TO Mar 2024

MPCB Limit – 455.65 MT/M

Month	Residue Generation (MT)
Oct 2023	283.64
Nov 2023	269.49
Dec 2023	242.66
Jan 2024	241.05
Feb 2024	275.32
Mar 2024	256.67

(Dial 18002668888) (Wear Masks, Stay Safe)

INDIA POST

EN103852447IN IVR:6977103852447
SP TALAJA A.V. S.O (410208)
Counter No:1,01/12/2022,11:13
To:THE DIRECTOR,MINISTRY OF ENV
PIN:110003, Lodi Road ND
From:I G PETROCH, PLOT NO T-2 MIDC
Wt:415gms

Amt:94.40(Cash)Tax:14.40

(Track on www.indiapost.gov.in)

(Dial 18002668888) (Wear Masks, Stay Safe)

INDIA POST

EN103852455IN IVR:6977103852455
SP TALAJA A.V. S.O (410208)
Counter No:1,01/12/2022,11:13
To:THE MEMBER SE,MAHARASHTRA PULL
PIN:400022, Sina 50
From:I G PETROCH, PLOT NO T-2 MIDC
Wt:415gms

Amt:35.40(Cash)Tax:5.40

(Track on www.indiapost.gov.in)

(Dial 18002668888) (Wear Masks, Stay Safe)

INDIA POST

EN103852464IN IVR:6977103852464
SP TALAJA A.V. S.O (410208)
Counter No:1,01/12/2022,11:13
To:CENTRAL PULLU, PARIVESH
PIN:390023, Subhanga 50
From:I G PETROCH, PLOT NO T-2 MIDC
Wt:415gms

Amt:70.00(Cash)Tax:10.00

(Track on www.indiapost.gov.in)

INDIA POST

Dhairyasheel Shinde

From: Dhairyasheel Shinde
Sent: 01 December 2023 11:05
To: ecompliance-mh@gov.in
Subject: Submission of Six Monthly Environmental Clearance Compliance Status Report.
Attachments: Combine PA V EC COMPLIANCE APR 2023 - SEPT 2023.pdf

**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. - J-11011/73/2016-IA-II(I), Dated : 14th Mar 2022 & amendment EC F.
No. J-11011/73/2016-IA-II(I) dated 6th Oct 2022.**

Dear Sir,

With reference to the above we are submitting herewith our half yearly compliance status report as per condition stipulated in Environmental Clearance for period of **APR 2023 – SEPT 2023**. We hope the above is to your satisfaction.

Thanking You,

**Yours faithfully
FOR I. G. PETROCHEMICALS LTD**

**(SAGAR JADHAV)
CHIEF – MANUFACTURING OPERATIONS.**

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.**

Dhairyasheel Shinde

From: Dhairyasheel Shinde
Sent: 01 December 2023 09:59
To: archituprit.cpcb@nic.in
Subject: Submission of Six Monthly Environmental Clearance Compliance Status Report.
Attachments: EC COMPLIANCE REPORT - APR 2023 TO SEPT 2023.pdf

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

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 2023 – SEPT 2023**. We hope the above is to your satisfaction.

Thanking You,

Yours faithfully
FOR I. G. PETROCHEMICALS LTD

(SAGAR JADHAV)
CHIEF – MANUFACTURING OPERATIONS.

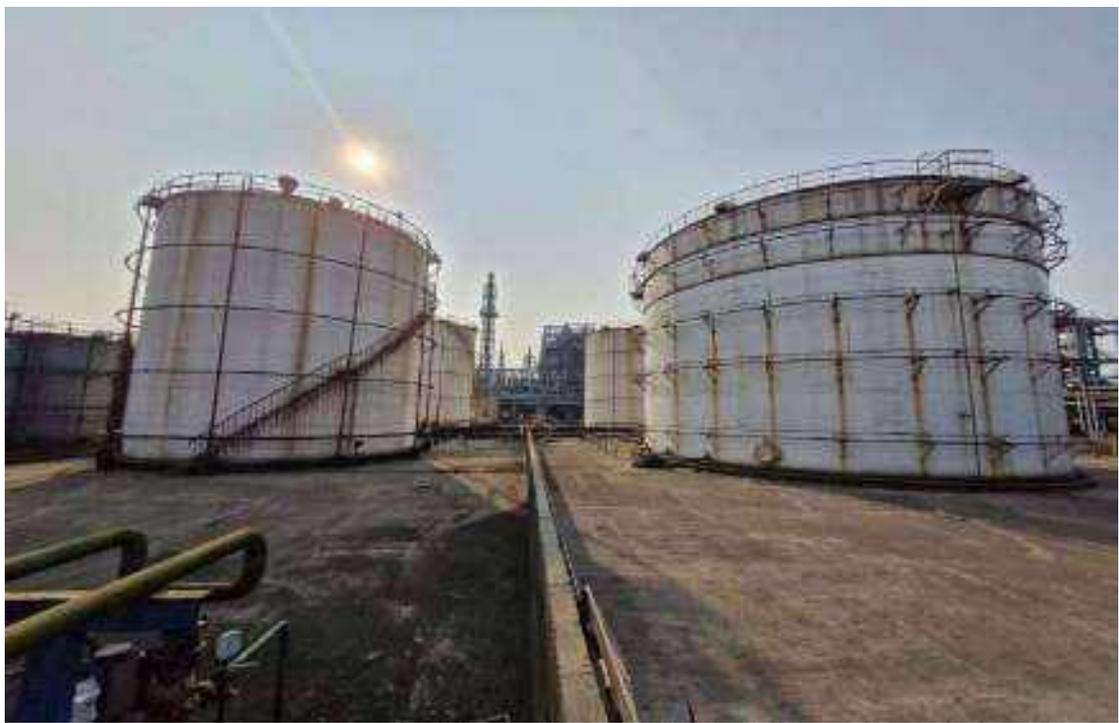
CC to:

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.

ANNEXURE - VI

Photographs of Raw Material Storage







EXISTING GREEN BELT AREA
PROPOSED GREEN BELT AREA



KEY PLAN

PROPOSED BUILDING AREA STATEMENT

SR. NO.	DESCRIPTION
01	PA IV PLANT (OXIDATION)
02	PA-IV TG-4 BUILDING
03	M.A. CONTROL ROOM LAYOUT
04	PA-IV DISTILLATION
05	COOLING TOWER
06	SIDE STREAM FILTER
07	BLOW DOWN PIT
08	DM PLANT & TANK
09	CRUDE PA & PURE PA
10	PA-IV THERMAL HEATER AREA
11	COMPRESSOR HOUSE
12	PA FALKER HOUSE
13	EXISTING CCR & PA-4SS
14	M.A IV - PUMP HOUSE & SUBSTATION
15	INSTRUMENT PANEL ROOM & RO_CCR
16	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.

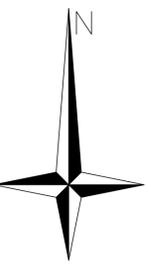
NAME OF OWNER

IG PETROCHEMICAL LTD

NAME OF ARCHITECT

M.R. KASHELKAR & CO.

ARCHITECT AND INTERIOR DESIGNER
404/415, GLOBE WING, PTH FLOOR,
NH-112, MIDC RESIDENTIAL ZONE,
NEAR MIDC GANPATI MANDAR,
DOMBIVLI (E) 401 201,
PHONE-96100788



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
	EXISTING GREEN BELT AREA (12%)	13313.45
	PROPOSED GREEN BELT AREA (14%)	16751.18
	EXISTING GREEN BELT AREA OUTSIDE OF THE PLOT (4%)	4149.00
	PROPOSED 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%

SIGNATURE OF ARCHITECT					
JOB NO	DRG NO	DATE	FOR	DRAWN BY	CHECKED BY
0.21/18-19	EC - 01	18-12-2021	CANCELLED	PPS	KMK
0.21/18-19	EC - 02	25-12-2021	CANCELLED	PPS	KMK
0.21/18-19	EC - 03	30-04-2022	CANCELLED	PPS	KMK
0.21/18-19	EC - 04	10-05-2022	CANCELLED	PPS	KMK
0.21/18-19	EC - 05	01-06-2022	CANCELLED	PPS	KMK
0.21/18-19	EC - 06	01-07-2022	APPROVAL	PPS	KMK

NOTE: THIS DRAWING IS THE PROPERTY OF MRS. M.R. KASHELKAR & CO. DOMBIVLI AND SHOULD NOT BE REPRODUCED, COPIED OR HANDED OVER TO A THIRD PARTY AND USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS INTENDED.

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

IG PETROCHEMICALS LIMITED

Dr. Pankaj shah
M.D., A.F.I.H., M.B.B.S.,
Industrial Health Consultant

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

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 birthday)	Date of employment of work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye products handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	Fit suspended from work site period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
1		240010	Kejesh Shripat Rankar	Male	46	01-08-2023	--	--	Quality Control	Crystalline Salt	06-11-2023	Fit	Not Applicable	Not Applicable	
2	3	170016	Vasudev Sarda	Male	45	21-01-2013	--	--	Wine House	Pharmaceutical, Medicinal, Detergent	06-11-2023	Fit	Not Applicable	Not Applicable	
3	4	170014	Gabur Singh Farooq	Male	53	13-03-1993	--	--	Raw Material	on-site	06-11-2023	Fit	Not Applicable	Not Applicable	
4	5	210082	Vijesh Navani Padi	Male	42	01-06-2008	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	
5	6	210118	Shantanu M. Thakur	Male	35	08-10-2013	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	
6	7	230119	Jagdish Bhagwan Mane	Male	34	02-03-2014	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable	
7	8	160008	Akhil S. Ingde	Male	47	01-08-2017	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	
8	9	160009	Akhil S. Sonumani	Male	29	01-01-2019	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	
9	10	210120	Anand P. Suryawanshi	Male	33	11-01-2016	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	
10	11	210137	Ranjit T. Thakur	Male	35	16-08-2018	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	
11	12	230126	Pawan V. Choudhari	Male	37	09-01-2017	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable	

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2023

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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature of Certifying Surgeon
12	13	112006	Mini C. Warner	Female	54	02-12-2017	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	
13	14	--	Pradeep S. Solankie	Male	57	--	--	--	Male-Gate Security		06-11-2023	Fit	Not Applicable	Not Applicable	
14	15	110009	Mekandas V. Kattu	Male	55	03-03-1994	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	
15	16	230423	Sameesh B. Kadam	Male	30	05-10-2019	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable	
16	22	240021	Vaibhav B. Paul	Male	41	12-11-2010	--	--	Quality Control	Orthopedic/Plaster	06-11-2023	Fit	Not Applicable	Not Applicable	
17	24	124002	Avinand G. Deshmukh	Male	54	08-08-1999	--	--	Quality Control	Orthopedic/Plaster	06-11-2023	Fit	Not Applicable	Not Applicable	
18	27	230152	Prasad Chavara	Male	30	01-06-2023	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable	
19	28	230149	Saangraaj L. Pundir	Male	28	06-12-2023	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable	
20	29	240019	Kam K. Shegole	Male	43	09-06-1994	--	--	Quality Control	Orthopedic/Plaster	06-11-2023	Fit	Not Applicable	Not Applicable	
21	31	240031	Gorakshnath T. Chavara	Male	28	08-08-2023	--	--	Quality Control	Orthopedic/Plaster	06-11-2023	Fit	Not Applicable	Not Applicable	
22	32	200205	Chandreshwar K. Ashi	Male	57	02-02-2017	--	--	Civil		06-11-2023	Fit	Not Applicable	Not Applicable	

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated.

Note : (ii) Column 11, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	E.C. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
23	33	139011	Kishor Borade	Male	50	24-07-2017	--	--	Commercial		06-11-2023 Fri	Not Applicable	Not Applicable		PS
24	34	29439	Giridhar Rajawade	Male	34	15-03-2021	--	--	Production - MA	Miscellaneous	06-11-2023 Fri	Not Applicable	Not Applicable		PS
25	35	299338	Sadubhar A. Zambre	Male	25	17-07-2023	--	--	Production - MA	Miscellaneous	06-11-2023 Fri	Not Applicable	Not Applicable		PS
26	36	290365	Mangesh H. Datarkar	Male	33	22-10-2018	--	--	Production - Boli		06-11-2023 Fri	Not Applicable	Not Applicable		PS
27	37	-	Mallesh Sonant	Male	40	--	--	--	Commercial		06-11-2023 Fri	Not Applicable	Not Applicable		PS
28	38	112604	Purus Jain	Male	56	10-10-1992	--	--	Commercial		06-11-2023 Fri	Not Applicable	Not Applicable		PS
29	39	210102	Santosh R. Kulkarni	Male	36	01-12-2010	--	--	Mechanical		06-11-2023 Fri	Not Applicable	Not Applicable		PS
30	40	210134	Kiran K. Patil	Male	28	03-08-2017	--	--	Mechanical		06-11-2023 Fri	Not Applicable	Not Applicable		PS
31	41	210004	Ami Shriyani Marwade	Male	57	22-08-2016	--	--	Quality Control	Chemical analysis	06-11-2023 Fri	Not Applicable	Not Applicable		PS
32	42	299457	Pratik P. Chandankar	Male	27	01-10-2021	--	--	Production - PA	Miscellaneous	06-11-2023 Fri	Not Applicable	Not Applicable		PS
33	43	299066	Santosh P. Waghmare	Male	28	06-11-2021	--	--	Production - PA	Miscellaneous	06-11-2023 Fri	Not Applicable	Not Applicable		PS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

(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.

Sl. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
34	44	29040	Rajendran G.	Male	48	03-01-2023	--	--	Production - DTP	Wool/woolun	06-11-2023	Fit	Not Applicable	Not Applicable	PS
35	45	12048	Rajesh B. Purwar	Male	54	26-12-1994	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	PS
36	48	21026	Nitesh R. Chaudhari	Male	32	01-02-2016	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	PS
37	49	21045	Soumya R. Pandu	Male	28	24-11-2023	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	PS
38	50	28031	Bheshan Paril	Male	26	01-06-2023	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable	PS
39	51	28034	Avadhut P. Khat	Male	30	06-03-2019	--	--	Production - P.A.	Wool/woolun	06-11-2023	Fit	Not Applicable	Not Applicable	PS
40	52	25035	Hiranshu P. Zambale	Male	25	13-03-2023	--	--	Production - P.A.	Wool/woolun	06-11-2023	Fit	Not Applicable	Not Applicable	PS
41	53	21043	Lakhan V. Pawar	Male	23	10-10-2022	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable	PS
42	54	25043	Shrutishma D. Sarda	Male	26	05-03-2022	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	PS
43	55	140013	Krishna Kumar	Male	46	17-07-2023	--	--	Commercial		06-11-2023	Fit	Not Applicable	Not Applicable	PS
44	59	26022	Vijay Kumar	Male	57	01-07-2013	--	--	Quality Control	Wool/woolun	06-11-2023	Fit	Not Applicable	Not Applicable	PS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated. Note : (ii) Column 11, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Eye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work for period of suspension with details	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
45	60	09012	Ajit A. Dadas	Male	30	08-12-2020	--	--	ERTS		06-11-2023	Fit	Not Applicable	Not Applicable	
46	61	-	Sonal R. Parde	Male	53	--	--	--	Exam Gate Securi		06-11-2023	Fit	Not Applicable	Not Applicable	
47	64	24032	Shubham A. Shinde	Male	27	12-09-2021	--	--	Quality Control	cosmetic raw material	06-11-2023	Fit	Not Applicable	Not Applicable	
48	67	22019	Sanjay D. Jangir	Male	48	03-08-2007	--	--	Electrical		06-11-2023	Fit	Not Applicable	Not Applicable	
49	70	23030	Ashok Patil	Male	52	14-05-2013	--	--	Production - PA	Paints raw material	06-11-2023	Fit	Not Applicable	Not Applicable	
50	76	19016	Rohad B. Khurobe	Male	46	09-04-2010	--	--	ERTS		06-11-2023	Fit	Not Applicable	Not Applicable	
51	77	21030	Alhan Suresh K. Raju	Male	30	11-02-2019	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable	
52	78	040012	Shashikant B. Sauri	Male	55	03-02-1997	--	--	Quality Control	cosmetic raw material	07-11-2023	Fit	Not Applicable	Not Applicable	
53	79	100311	Aniket P. Kadam	Male	30	16-11-2022	--	--	Generalist		07-11-2023	Fit	Not Applicable	Not Applicable	
54	81	09011	Shankar Lal Sharma	Male	38	16-11-2006	--	--	Generalist		07-11-2023	Fit	Not Applicable	Not Applicable	
55	82	22080	Nivenshu P. Umate	Male	42	06-06-2007	--	--	Electrical		07-11-2023	Fit	Not Applicable	Not Applicable	

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2024

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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature of Certifying Surgeon
56	83	23017	Sandok Teonghure	Male	39	07-02-2018	--	--	Instrumentation		07-11-2023 Fri	Not Applicable	Not Applicable		
57	84	23017	Rajgurunthreddy Chinnabosy	Male	35	08-01-2021	--	--	Electrical		07-11-2023 Fri	Not Applicable	Not Applicable		
58	85	23006	Laxman Sakkam	Male	27	04-05-2021	--	--	Electrical		07-11-2023 Fri	Not Applicable	Not Applicable		
59	86	23002	Milind Farjani Patil	Male	49	04-09-2000	--	--	Instrumentation		07-11-2023 Fri	Not Applicable	Not Applicable		
60	87	15804	Vaibhav V. Paul	Male	37	02-01-2022	--	--	Engg. Stores		07-11-2023 Fri	Not Applicable	Not Applicable		
61	88	100018	Dharmyashree R. Shinde	Male	46	11-08-2018	--	--	HESS		07-11-2023 Fri	Not Applicable	Not Applicable		
62	95	--	Rozna N. Dalbar	Male	43	--	--	--	Fit		07-11-2023 Fri	Not Applicable	Not Applicable		
63	100	130004	Dharmna R. Narsing	Male	58	09-04-1994	--	--	Engg. Stores		07-11-2023 Fri	Not Applicable	Not Applicable		
64	104	--	Balasesu N. Gauri	Male	49	--	--	--	Mach-Gate Security		07-11-2023 Fri	Not Applicable	Not Applicable		
65	105	220795	Rishaban C. Digi	Male	32	02-05-2014	--	--	Electrical		07-11-2023 Fri	Not Applicable	Not Applicable		
66	106	23012	Vinod Mahure	Male	33	09-01-2022	--	--	Electrical		07-11-2023 Fri	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2024

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 employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with details	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
67	107	250247	Abhishek A. Dhanubhai	Male	33	16-07-2012	--	--	Production - PA	Painting	07-11-2023	Fit	Not Applicable	Not Applicable	
68	109	150113	Rupak B. Karak	Male	37	15-05-2007	--	--	Engg. Saver		07-11-2023	Fit	Not Applicable	Not Applicable	
69	112	250499	Sagar Anant Shinde	Male	29	13-10-2022	--	--	Production - PA	Painting	07-11-2023	Fit	Not Applicable	Not Applicable	
70	113	250239	Meh-o S. Mubareen	Male	33	11-02-2015	--	--	Production - PA	Painting	07-11-2023	Fit	Not Applicable	Not Applicable	
71	114	200533	Shreyas R. Waje	Male	27	15-02-2003	--	--	Production - PA	Painting	07-11-2023	Fit	Not Applicable	Not Applicable	
72	122	250092	Gaurav Prasad	Male	28	07-11-2022	--	--	Production - PA	Painting	07-11-2023	Fit	Not Applicable	Not Applicable	
73	123	230509	Sanku G. Mahare	Male	28	11-12-2022	--	--	Production - PA	Painting	07-11-2023	Fit	Not Applicable	Not Applicable	
74	124	250075	Sauraj Jagan	Male	30	21-03-2021	--	--	Quality Control	Ortho/oc. Prod	07-11-2023	Fit	Not Applicable	Not Applicable	
75	125	150072	Mahendra V. Jadhav	Male	52	25-04-2022	--	--	EHS		07-11-2023	Fit	Not Applicable	Not Applicable	
76	127	170030	Shekhar V. Kise	Male	34	11-02-2023	--	--	Ware House		07-11-2023	Fit	Not Applicable	Not Applicable	
78	128	240028	Vijayesh S. Zambre	Male	29	02-03-2022	--	--	Laboratory	Ortho/oc. Prod	07-11-2023	Fit	Not Applicable	Not Applicable	

Name of Certifying Surgeon

Dr. Pankaj Shukla

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2023

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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
79	130	29084	Tushar K. Saini	Male	30	01-07-2022	--	--	Production - PA	Production/size	07-11-2023	Fit	Not Applicable	Not Applicable	BSI
80	131	19000	Brodeshwar P. Shah	Male	52	03-11-1997	--	--	GIS		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
81	132	29095	Hemant S. Aladye	Male	57	01-10-1992	--	--	Production - PA	Production/size	07-11-2023	Fit	Not Applicable	Not Applicable	BSI
82	134	29006	Verbal Ashure	Male	28	01-02-2021	--	--	Civil		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
83	135	29204	Shah meekand Morha	Male	54	21-08-2020	--	--	Production - PA	Production/size	07-11-2023	Fit	Not Applicable	Not Applicable	BSI
85	136	210105	Kashuram R. Jodga	Male	23	07-03-2023	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
84	138	330142	Romak S. Pandey	Male	32	04-10-2021	--	--	Instrumentation		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
85	141	290510	Nikhilamur Ingrale	Male	31	07-06-2021	--	--	EHS		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
86	142	290134	Arjun Badge	Male	35	03-09-2023	--	--	Instrumentation		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
87	145	210140	Anuraj Gupta	Male	28	01-09-2019	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable	BSI
88	148	240023	Pravraj S. Goyal	Male	28	01-08-2023	--	--	Quality Control	Operation/size	07-11-2023	Fit	Not Applicable	Not Applicable	BSI

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2024

(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.	P.C. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product used	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
89	149	110023	Sagar Jadhav	Male	53	12-05-2023	--	--	Cummers/rod		07-11-2023 FR	Not Applicable	Not Applicable		DR
90	150	110024	Vivek D. Thakur	Male	35	15-05-2022	--	--	Raw Material	Shower	07-11-2023 FR	Not Applicable	Not Applicable		DR
91	151	110031	Sandeep Das	Male	34	12-09-2023	--	--	Raw Material	Chamber	07-11-2023 FR	Not Applicable	Not Applicable		DR
92	152	210027	Sanudip S. Kulkarni	Male	54	03-02-1992	--	--	Mechanical		07-11-2023 FR	Not Applicable	Not Applicable		DR
93	153	210027	Mangesh S. Kalp	Male	34	20-03-2007	--	--	Production - MN	Manufacture	07-11-2023 FR	Not Applicable	Not Applicable		DR
94	154	210026	Gopal D. Tandekar	Male	31	16-03-2023	--	--	Production - MA	Manufacture	07-11-2023 FR	Not Applicable	Not Applicable		DR
95	158	210010	Sajit V. Kulkar	Male	24	16-12-2022	--	--	Production - PA	Manufacture	07-11-2023 FR	Not Applicable	Not Applicable		DR
96	159	210017	Kanuk G. Durgol	Male	28	21-12-2022	--	--	Production - PA	Manufacture	07-11-2023 FR	Not Applicable	Not Applicable		DR
97	160	210020	Ashishk Dole	Male	25	10-04-2023	--	--	Production - PA	Manufacture	07-11-2023 FR	Not Applicable	Not Applicable		DR
98	161	210038	Pavanbhar S. Arvindkarsajale	Male	51	23-11-1975	--	--	Mechanical		07-11-2023 FR	Not Applicable	Not Applicable		DR
99	162	--	Shrihar Bhandari	Male	60	--	--	--	Electrical		07-11-2023 FR	Not Applicable	Not Applicable		DR

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

(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/Traffic/Suspended.

Sl. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of present employment	Date of leaving or transfer to other work	Reason for leaving or transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work for period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of fitness or suspension issued to worker	Signature with Certifying Surgeon
100	167	110014	Santosh Kumar Pandey	Male	52	01-04-2001	--	--	Commercial		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
101	168	220141	Kandhigera	Male	38	15-02-2018	--	--	Production - PA	Manufacture	09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
102	169	110002	Dhasekar J. Girvan	Male	59	01-08-1989	--	--	Commercial		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
103	183	220133	Pankaj J. Patel	Male	38	14-10-2019	--	--	Instrumentation		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
104	204	220153	Mahesh Jadhav	Male	30	07-06-2023	--	--	Instrumentation		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
105	214	220144	Nitin A. Yadav	Male	37	02-12-2021	--	--	Instrumentation		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
106	215	130015	Pradeep Kumar Singh	Male	41	14-02-2022	--	--	Engg Stores		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
107	229	220226	Rohidas M. Jage	Male	33	01-02-2019	--	--	Production - PA	Manufacture	09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
108	231	220147	Ketan K. Thakur	Male	32	08-08-2022	--	--	Instrumentation		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
109	232	220148	Meghar Ganguliam Patel	Male	32	12-12-2022	--	--	Instrumentation		09-11-2023 FR	Not Applicable	Not Applicable		[Signature]
110	233	220220	Moham S. Khat	Male	56	17-01-2011	--	--	Production - PA	Manufacture	09-11-2023 FR	Not Applicable	Not Applicable		[Signature]

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

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.

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

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with details	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
111	235	190017	Siddhanta S. Wankhade	Male	41	01-03-2019	--	--	ETIS		09-11-2023	Fit	Not Applicable	Not Applicable	PS
112	236	200004	Shikhekar B. Chinnave	Male	56	03-08-1992	--	--	Civil		09-11-2023	Fit	Not Applicable	Not Applicable	PS
113	237	121007	Veerabha Shambhara Beddy	Male	32	09-10-1999	--	--	Mechanical		09-11-2023	Fit	Not Applicable	Not Applicable	PS
114	240	250046	Bhavin S. Malakar	Male	21	12-09-2023	--	--	Production (MSP)	Crash machine	09-11-2023	Fit	Not Applicable	Not Applicable	PS
115	244	230015	Srinann Pawar	Male	30	23-01-2021	--	--	Production DEP	Crash machine	09-11-2023	Fit	Not Applicable	Not Applicable	PS
116	245	190028	Nitin Deshmukh	Male	59	01-10-2011	--	--	Production PA	Crash machine	09-11-2023	Fit	Not Applicable	Not Applicable	PS
117	247	250066	Surya Pawl	Male	33	11-12-2023	--	--	Production		09-11-2023	Fit	Not Applicable	Not Applicable	PS
118	248	210121	Mukta Kumar Singh	Male	33	15-07-2013	--	--	Mechanical		09-11-2023	Fit	Not Applicable	Not Applicable	PS
119	249	270019	Ramesh K. Ravate	Male	37	27-10-2022	--	--	ETIS		09-11-2023	Fit	Not Applicable	Not Applicable	PS
120	250	170023	Rohitkesh N. Pawl	Male	30	03-11-2020	--	--	Quality Control	Crash machine-Pawl	09-11-2023	Fit	Not Applicable	Not Applicable	PS
121	251	170020	Vijayesh B. Sonavane	Male	36	02-07-2020	--	--	Waste Hence	Crash machine-Diesel machine	09-11-2023	Fit	Not Applicable	Not Applicable	PS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
122	252	12009	Santosh G. Rane	Male	48	06-02-2006	--	--	Production MA	Welding work	09-11-2023 Fri	Not Applicable	Not Applicable		新
123	253	25028	Muralidhar R. Patel	Male	35	16-02-2015	--	--	Production PA	Production work	09-11-2023 Fri	Not Applicable	Not Applicable		新
124	254	23016	Rashideek R. Mawaz	Male	28	20-06-2022	--	--	Electrical		09-11-2023 Fri	Not Applicable	Not Applicable		新
125	256	18005	Haritharan Sathyanathan Per	Male	48	09-07-1997	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新
126	257	18008	Siddhant J. Laboon	Male	31	01-11-2021	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新
127	258	18007	Anil Pandey	Male	49	23-05-2017	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新
128	261	18006	Ramkumar D. Gauram	Male	41	07-10-2011	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新
129	267	23024	Dhanubala Ajaykumar Reddy	Male	55	12-06-2013	--	--	Production PA	Production work	09-11-2023 Fri	Not Applicable	Not Applicable		新
130	268	12016	Pankaj Bhavsara	Male	48	15-02-2021	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新
131	269	--	Jeyagan Paul	Male	27	--	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新
132	270	18006	Narayankumar K. Prasad	Male	58	17-07-2004	--	--	Commercial		09-11-2023 Fri	Not Applicable	Not Applicable		新

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

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.

Sl. No.	Form No.	E.C. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with details	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature of Certifying Surgeon
133	271	210149	Pravir R. Bhowar	Male	29	16-08-2024	--	--	Mechanical		09-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
134	272	210142	Paresh Lad	Male	34	05-02-2020	--	--	Mechanical		09-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
135	273	200009	Sandeep P. Seervi	Male	54	11-09-1969	--	--	Quality Control	Chloroform Fuel	10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
136	274	140029	Vishal V. Kadam	Male	30	15-07-2024	--	--	Quality Control	Chloroform Fuel	10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
137	282	--	Narayan Partho	Male	47	--	--	--	Male-Gas Security		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
138	283	150002	Keshav S. Patel	Male	57	12-06-1991	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
139	287	190002	Ahaya S. Khurda	Male	44	17-09-2018	--	--	Engg. Store		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
140	289	110022	Sukhanta Debora	Male	52	02-05-2023	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
141	290	140006	Anil R. Samadkar	Male	37	10-01-2008	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
142	294	140008	Shankar Chaudhari	Male	44	07-11-2020	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]
143	295	140007	Mansha Tiwari	Male	46	01-05-2012	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		[Signature]

Name of Certifying Surgeon

Dr. Pankaj Shal

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 10-11-2023 To 10-11-2024

(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.

Sl. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature of Certifying Surgeon
144	296	120018	Anur Kumar	Male	41	22-01-2014	--	--	Wear House		10-11-2023 Fri	Not Applicable	Not Applicable		
145	299	160001	Bilal A. Sheikh	Male	53	01-09-1991	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		
146	300	360004	Sudhar R. Rave	Male	51	01-02-2005	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		
147	301	120008	Sayamanyan Mundevar	Male	67	17-04-1995	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		
148	303	110018	Rajommad B. Khanbata	Male	39	22-08-2022	--	--	Commercial		10-11-2023 Fri	Not Applicable	Not Applicable		
149	309	210132	Jyotika Bhatr	Male	35	08-08-2022	--	--	Mechanical		10-11-2023 Fri	Not Applicable	Not Applicable		
150	310	110305	Machannudi Krishnamurthy	Female	58	24-11-1994	--	--	Commercial		22-11-2023 Fri	Not Applicable	Not Applicable		
151	313	250373	Kannur D. Thakur	Male	32	02-05-2019	--	--	Production PA	Handmade	22-11-2023 Fri	Not Applicable	Not Applicable		
152	327	380234	P. Rajesh	Male	40	07-11-2016	--	--	Production		22-11-2023 Fri	Not Applicable	Not Applicable		
153	338	220036	Rajmankarad S. Prigari	Male	36	08-12-2014	--	--	Theoretical		22-11-2023 Fri	Not Applicable	Not Applicable		
154	339	220100	Amish R. Mali	Male	38	08-05-2019	--	--	Electrical		22-11-2023 Fri	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Paikaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 22-11-2023 To 22-11-2024

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharging	Nature of job or occupation	Raw material or Bye product and/or	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
155	340	220107	Yogesh M. Deshpande	Male	27	10-05-2021	--	--	Electrical		22-11-2023 Fri	Not Applicable	Not Applicable		284
156	343	125137	Shakti Tunga Suryaban	Male	31	01-07-2015	--	--	Production/MA	Substance	22-11-2023 Fri	Not Applicable	Not Applicable		285
157	346	250561	Pradhansinh Goranidhan	Male	25	01-10-2023	--	--	Production/MA	Substance	22-11-2023 Fri	Not Applicable	Not Applicable		286
158	369	220071	Anil Mahadik	Male	53	08-10-2007	--	--	Electrical		22-11-2023 Fri	Not Applicable	Not Applicable		287
159	351	220343	Ganesh B. Karwad	Male	73	16-03-2018	--	--	Production		22-11-2023 Fri	Not Applicable	Not Applicable		288
160	306	220018	Ajay G. Kour	Male	35	23-01-2023	--	--	Commercial		22-11-2023 Fri	Not Applicable	Not Applicable		289

अनुमोदित आहे. दि. 22-11-2023 रोजी
 सहायक आरोग्य अधिकारी, आरोग्य विभाग, मुंबई
 सहायक आरोग्य अधिकारी, आरोग्य विभाग, मुंबई
 सहायक आरोग्य अधिकारी, आरोग्य विभाग, मुंबई

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Aspira pathlab & Diagnostics Ltd



HEALTH REGISTER

IG PETROCHEMICALS LIMITED

Dr. Pankaj shah
M.D., A.F.I.H., M.B.B.S.,
Industrial Health Consultant

Name of Certifying Surgeon

Dr. Pankaj Shab

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

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 employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product andled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
1	2	19079	Rajkesh Mishra	Male	25	01-06-2002	--	--	Raw Material	Overdose	06-11-2023 Fri	Not Applicable	Not Applicable		TS
2	17	28014	Prady S. Thakur	Male	28	16-11-2021	--	--	Instrumentation		06-11-2023 Fri	Not Applicable	Not Applicable		TS
3	18	12508	Vidyaakar P. Joshi	Male	50	16-06-1997	--	--	Instrumentation		06-11-2023 Fri	Not Applicable	Not Applicable		TS
4	19	20055	Santosh S. Kame	Male	48	03-03-1997	--	--	Quality Control	Overdose (Raw material)	06-11-2023 Fri	Not Applicable	Not Applicable		TS
5	20	24002	Shankar C. Ropde	Male	53	12-02-1992	--	--	Quality Control	Overdose (Raw material)	06-11-2023 Fri	Not Applicable	Not Applicable		TS
6	21	24017	Laxman R. Dake	Male	49	01-01-1997	--	--	Quality Control	Overdose (Raw material)	06-11-2023 Fri	Not Applicable	Not Applicable		TS
7	23	12908	Ananta B. Patil	Male	57	01-05-1992	--	--	Raw Material	Overdose	06-11-2023 Fri	Not Applicable	Not Applicable		TS
8	25	22045	Kallesh S. Bhoir	Male	27	01-02-2002	--	--	Instrumentation		06-11-2023 Fri	Not Applicable	Not Applicable		TS
9	26	19006	Vijay P. Patil	Male	52	01-08-1992	--	--	Instrumentation		06-11-2023 Fri	Not Applicable	Not Applicable		TS
10	30	24013	Vinayak V. Patil	Male	49	01-01-1997	--	--	Quality Control	Overdose (Raw material)	06-11-2023 Fri	Not Applicable	Not Applicable		TS
11	46	12030	Kamlesh S. Thakur	Male	59	02-02-1992	--	--	Commercial		06-11-2023 Fri	Not Applicable	Not Applicable		TS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by certifying Surgeon and Result of Medical Examination	If suspended from work for period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
12	47	111004	Abhadh S. Bhat	Male	51	01-05-1993	--	--	Wear House	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
13	56	150005	Pravin A. More	Male	56	01-11-1992	--	--	Wear House	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
14	57	170022	Hirannan	Male	36	14-10-2000	--	--	Wear House	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
15	58	200017	Rajesh R. Praudhan	Male	52	02-11-1992	--	--	Instrumentation	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
16	62	210012	Manikant M. Dabrey	Male	50	07-08-1992	--	--	Mechanical	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
17	65	120014	Lalu S. Nigsekar	Male	30	01-01-1997	--	--	Instrumentation	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
18	65	120003	Manohar S. Sosamwate	Male	54	02-05-1997	--	--	Instrumentation	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
19	66	210020	Devganeshwar H. Salik	Male	54	09-03-1992	--	--	Production	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
20	68	200018	Ashok V. Dagaal	Male	50	13-07-1992	--	--	Production	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
21	69	250208	Rishikesh J. Phulji	Male	50	01-01-1997	--	--	Production	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS
22	71	250203	Sanjesh K. Korgaonkar	Male	58	04-02-1992	--	--	Production	Not applicable No. of workers employed in the factory	06-11-2023 FR	Not Applicable	Not Applicable		PS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 06-11-2023 To 06-11-2024

(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.

Sl. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	Fit suspended from work or suspension with details	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon	
22	72	210040	Mangesh S. Mangar	Male	47	11-04-1977	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable		BS
24	73	210040	Sajjan S. Hald	Male	28	14-12-2020	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable		BS
24	74	210134	Vijay V. Patil	Male	34	12-01-2021	--	--	Mechanical		06-11-2023	Fit	Not Applicable	Not Applicable		BS
26	75	210000	Devu P. Babu	Male	57	04-02-1992	--	--	Instrumentation		06-11-2023	Fit	Not Applicable	Not Applicable		BS
27	80	170004	Pranod Meshur	Male	38	04-04-1992	--	--	Raw Material	Oxyacetylene	07-11-2023	Fit	Not Applicable	Not Applicable		BS
28	89	260073	Shukrawaha S. Nigunur	Male	48	05-02-1992	--	--	Production		07-11-2023	Fit	Not Applicable	Not Applicable		BS
29	90	220015	Nandkumar M. Kulkarni	Male	57	11-11-1994	--	--	Electrical		07-11-2023	Fit	Not Applicable	Not Applicable		BS
30	91	120002	Dilip S. Shroff	Male	50	01-02-1993	--	--	Electrical		07-11-2023	Fit	Not Applicable	Not Applicable		BS
31	92	260070	Jayant K. Shrivastava	Male	55	10-07-1992	--	--	Quality Control	Oxyacetylene	07-11-2023	Fit	Not Applicable	Not Applicable		BS
32	93	260078	Laxminagar Thawat	Male	51	03-07-1992	--	--	Quality Control	Oxyacetylene	07-11-2023	Fit	Not Applicable	Not Applicable		BS
33	94	290031	Narayan R. Kadlim	Male	54	01-08-1992	--	--	Quality Control	Oxyacetylene	07-11-2023	Fit	Not Applicable	Not Applicable		BS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2024

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product used	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
34	96	110016	Bal Krishna R. Paul	Male	58	01-01-1967	--	--	Instrumentation		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
35	97	260025	Chirish T.	Male	58	12-02-1962	--	--	Quality Control	On horse shed	07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
36	98	210018	Appa N. Veda	Male	58	18-04-1963	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
37	99	180003	Nashadeo G. Theout	Male	56	06-11-1967	--	--	Wine House		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
38	101	210001	Prakash B. Ghangrekar	Male	57	05-07-1990	--	--	Quality Control	On vegetable market	07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
39	102	266029	Bhaskar S. Kapatkar	Male	56	06-02-1992	--	--	Injection		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
40	103	125007	Shripati R. Mohare	Male	50	01-08-1992	--	--	Instrument		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
41	108	125006	Ramani D. Raskar	Male	52	02-06-1997	--	--	Production - MCA	Messengers	07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
42	110	266028	Prakash R. Paul	Male	52	20-02-1993	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
43	111	125009	Kashir S. Mandhavi	Male	51	01-08-1992	--	--	Quality Control	On vegetable market	07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]
44	115	266031	Ashok M. Nigudar	Male	52	20-02-1993	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable	[Signature]

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2024

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 employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product and	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
45	116	210145	Sauser M. Minde	Male	28	27-01-2021	--	--	Mechanical		07-11-2023 Fri	Not Applicable	Not Applicable		PS
46	117	210154	Sagar H. Anday	Male	28	01-11-2022	--	--	Mechanical		07-11-2023 Fri	Not Applicable	Not Applicable		PS
47	118	210111	Mahesh C. Begal	Male	31	16-07-1992	--	--	Insulation		07-11-2023 Fri	Not Applicable	Not Applicable		PS
48	119	210061	Manish S. Waryamankar	Male	32	05-10-1995	--	--	Production		07-11-2023 Fri	Not Applicable	Not Applicable		PS
49	120	210106	Ramakant G. Mohare	Male	34	18-02-1993	--	--	Quality Control	Overdose/Pesticide	07-11-2023 Fri	Not Applicable	Not Applicable		PS
50	121	210045	Nareesh H. Shetke	Male	36	15-02-1993	--	--	Production		07-11-2023 Fri	Not Applicable	Not Applicable		PS
51	126	121007	Vikram S. Ganjare	Male	31	14-05-1997	--	--	Insulation		07-11-2023 Fri	Not Applicable	Not Applicable		PS
52	129	210064	Vishwanth R. Rajdar	Male	30	01-01-1997	--	--	Production		07-11-2023 Fri	Not Applicable	Not Applicable		PS
53	133	210061	Narshankar G. Ludi	Male	32	16-09-1997	--	--	Mechanical		07-11-2023 Fri	Not Applicable	Not Applicable		PS
54	137	210003	Sunil K. Shinde	Male	34	17-08-1992	--	--	Quality Control	Overdose/Pesticide	07-11-2023 Fri	Not Applicable	Not Applicable		PS
55	139	210077	Soukham S. Dahi	Male	26	14-04-2023	--	--	Production		07-11-2023 Fri	Not Applicable	Not Applicable		PS

Name of Certifying Surgeon

Dr. Pankaj ShahRegd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 07-11-2023 To 07-11-2024

(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.	P.C. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product and	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work for period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon	
56	140	22004	Zail V. Chandani	Male	56	09-02-1992	--	--	Electrical		07-11-2023	Fit	Not Applicable	Not Applicable		
57	143	12002	Santosh L. Patil	Male	55	14-01-1998	--	--	Production M/A	Wastewater	07-11-2023	Fit	Not Applicable	Not Applicable		
58	144	29007	Sanjay D. Patil	Male	49	01-08-1992	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable		
59	146	21004	Arun Kumar Jha	Male	58	14-07-1992	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable		
60	147	20005	Shirvan K. Bhoir	Male	58	05-07-1992	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable		
61	155	25004	Dnyanesh Prasad	Male	29	02-09-2021	--	--	Production - MCA	Wastewater	07-11-2023	Fit	Not Applicable	Not Applicable		
62	156	21004	Vivek J. Patil	Male	25	09-03-2023	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable		
63	157	31019	Chandrakant S. Sangate	Male	32	01-02-2023	--	--	Mechanical		07-11-2023	Fit	Not Applicable	Not Applicable		
64	163	25009	Santosh A. Vaidya	Male	50	10-03-1997	--	--	Production		07-11-2023	Fit	Not Applicable	Not Applicable		
65	164	29000	Zail P. Bhatte	Male	52	04-03-1997	--	--	Production		07-11-2023	Fit	Not Applicable	Not Applicable		
66	165	22004	Vidyaadhar P. Kulkarni	Male	35	02-05-1992	--	--	Production		07-11-2023	Fit	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Panhuj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

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.

Sl. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye products and/or	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
67	170	29095	Umesh P. Abrude	Male	41	01-11-2026	--	--	Production		09-11-2023 Fri	Not Applicable	Not Applicable		
68	179	36028	Janu P. Padi	Male	51	01-08-1992	--	--	Instrument		09-11-2023 Fri	Not Applicable	Not Applicable		
69	180	22033	Rajesh H. Sengupta	Male	31	01-02-2021	--	--	Instrument		09-11-2023 Fri	Not Applicable	Not Applicable		
70	185	29020	Shivam M. Padi	Male	38	06-07-1992	--	--	Mechanical		09-11-2023 Fri	Not Applicable	Not Applicable		
71	201	21084	Nitin B. Dowe	Male	30	02-11-1994	--	--	Instrument		09-11-2023 Fri	Not Applicable	Not Applicable		
72	202	12096	Umakrishnan K.	Male	48	04-05-1997	--	--	Instrument		09-11-2023 Fri	Not Applicable	Not Applicable		
73	213	26096	Daburam A. Padi	Male	57	01-02-1997	--	--	Quality Control	Sensory Panel operator	09-11-2023 Fri	Not Applicable	Not Applicable		
74	222	21014	Pravin D. Bhaskar	Male	33	01-02-2021	--	--	Mechanical		09-11-2023 Fri	Not Applicable	Not Applicable		
75	223	29098	Sandeep V. Padi	Male	34	05-02-1992	--	--	Production		09-11-2023 Fri	Not Applicable	Not Applicable		
76	234	36024	Vijaykumar Upadhyay	Male	38	01-08-1992	--	--	Asst. Electrician		09-11-2023 Fri	Not Applicable	Not Applicable		
78	238	12022	Ekamit P. Jale	Male	48	01-04-1997	--	--	Electrical		09-11-2023 Fri	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

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.	F.C. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
79	246	210151	Sahil A. Telangne	Male	26	15-03-2022	--	--	Mechanical		09-11-2023	Fit	Not Applicable	Not Applicable	
80	254	210162	Sanjay S. Paul	Male	27	11-02-2023	--	--	Mechanical		09-11-2023	Fit	Not Applicable	Not Applicable	
81	260	160032	Munish J. Sawant	Male	55	01-06-1992	--	--	Commercial		09-11-2023	Fit	Not Applicable	Not Applicable	
82	262	250026	Dattatray H. Thele	Male	37	15-02-1992	--	--	Production		09-11-2023	Fit	Not Applicable	Not Applicable	
83	263	250063	Amul Chavaf	Male	49	08-03-1996	--	--	Production		09-11-2023	Fit	Not Applicable	Not Applicable	
83	264	250027	Sriprad M. Sawant	Male	52	7-02-1992	--	--	Production		09-11-2023	Fit	Not Applicable	Not Applicable	
84	266	250020	Shantosh A. Agalave	Male	33	01-02-2023	--	--	Production		09-11-2023	Fit	Not Applicable	Not Applicable	
85	281	136018	Santosh L. Patel	Male	53	01-04-1997	--	--	Mechanical		10-11-2023	Fit	Not Applicable	Not Applicable	
86	284	260002	Mannan M. Sinakhar	Male	35	17-02-1992	--	--	Quality Control	Overdose Prod. (Antibiotic)	10-11-2023	Fit	Not Applicable	Not Applicable	
87	288	125015	Madhuraj R. Nighikar	Male	50	01-02-1997	--	--	Mechanical		10-11-2023	Fit	Not Applicable	Not Applicable	
88	291	260034	Ajayash T. Dhawade	Male	46	12-03-1997	--	--	Mechanical		10-11-2023	Fit	Not Applicable	Not Applicable	

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 10-11-2023 To 10-11-2024

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving or discharge	Nature of job or occupation	Raw material or By-product used	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work for period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
89	282	20035	Azadunnar V. Tiwari	Male	53	01-08-1997	--	--	Wear House	Manufacture of Medicines	10-11-2023	Fit	Not Applicable	Not Applicable	TS
90	293	140005	Rajesh K. Tiwari	Male	52	01-08-1995	--	--	Wear House	Manufacture of Medicines	10-11-2023	Fit	Not Applicable	Not Applicable	TS
91	302	196039	Pranvath P. Thakur	Male	52	06-10-1995	--	--	Production MA	Manufacture of Medicines	10-11-2023	Fit	Not Applicable	Not Applicable	TS
92	308	100094	Pradyots P. Bhambhani	Female	54	01-05-1992	--	--	Commercial	Manufacture of Medicines	10-11-2023	Fit	Not Applicable	Not Applicable	TS
93	320	200081	Philip A. Kankale	Male	51	01-01-1997	--	--	Production	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS
94	325	220104	Dincah D. Bhor	Male	28	23-12-2020	--	--	Electrical	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS
95	334	111006	Vasudeo B. Patil	Male	53	01-07-1994	--	--	Wear House	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS
96	337	220114	Tegesh E. Dahiya	Male	25	5-03-2023	--	--	Electrical	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS
97	347	240010	Deepak Gupta	Male	48	01-01-1997	--	--	Quality Control	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS
98	350	190021	Rishikesh H. Patil	Male	27	12-10-2020	--	--	Wear House	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS
99	354	230135	Tarunji K. Tiwari	Male	42	01-12-2020	--	--	Manufacturing	Manufacture of Medicines	22-11-2023	Fit	Not Applicable	Not Applicable	TS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 22-11-2023 To 22-11-2024

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certificate of Surgeon
100	358	230161	Vikas B Paul	Male	31	01-02-2023	--	--	Mechanical		22-11-2023 PM	Not Applicable	Not Applicable		RS
101	359	230167	Hareesh B Paul	Male	27	01-08-2023	--	--	Mechanical		22-11-2023 PM	Not Applicable	Not Applicable		RS
102	360	230035	Samaranjan D Kumbhe	Male	53	14-03-1997	--	--	Mechanical		22-11-2023 PM	Not Applicable	Not Applicable		RS
103	361	228033	Sambir A. Karkuti	Male	58	18-02-1991	--	--	Industrial		22-11-2023 PM	Not Applicable	Not Applicable		RS

सर्वप्रथम अधिकांश कार्य करीत असताना
विशेष प्रयोगातून रोगीतून आढळलेल्या
विशेष लक्षणांचे निदान करून घ्यावे.

RS

Aspira Diagnostics & Diagnostics Ltd



HEALTH REGISTER

Dr. Pankaj shah
M.D., A.F.I.H., M.B.B.S.,
Industrial Health Consultant

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

From :- 09-11-2023 To 09-11-2024

HEALTH REGISTER

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye products handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work safe period of suspension with detailed	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
1	166	-	Abade Y. Solankar	Male	28	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	
2	171	-	Pratim Bangar	Male	43	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	
3	172	-	Amol M. Ashtive	Male	21	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	
4	173	-	Asad P. Waghmode	Male	50	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	
5	174	-	Agarwal R. Kerkar	Male	53	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	
6	175	-	Akhlesh Upadhyay	Male	34	-	-	-	SECURITY	-	09-11-2023 Fit	Not Applicable	Not Applicable	-	
7	176	-	Prashant Pravan	Male	26	-	-	-	SECURITY	-	09-11-2023 Fit	Not Applicable	Not Applicable	-	
8	177	-	Mirajun Gohil	Male	28	-	-	-	SECURITY	-	09-11-2023 Fit	Not Applicable	Not Applicable	-	
9	178	-	Saket Paroley	Male	30	-	-	-	SECURITY	-	09-11-2023 Fit	Not Applicable	Not Applicable	-	
10	181	-	Sachin B. Ghude	Male	26	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	
11	182	-	Tejendra T. Kadim	Male	56	-	-	-	Ware House	Material of Milk powder, Dairy products	09-11-2023 Fit	Not Applicable	Not Applicable	-	

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

From :- 09-11-2023 To 09-11-2024

HEALTH REGISTER

(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.

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Sr. No.	Form No.	EC No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product audited	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work rate period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature of Certifying Surgeon
12	184	-	Sandeep Kumar	Male	32				SECURITY		09-11-2023 Fri	Not Applicable	Not Applicable		
13	185	-	Dilip N Solankar	Male	27				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
14	187	-	Yogesh M. Sarnale	Male	25				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
15	188	-	Akash N Solankar	Male	25				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
16	189	-	Surykant M. Wane	Male	31				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
17	190	-	Shrawal J. Solankar	Male	29				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
18	191	-	Sachin Karmakar	Male	31				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
19	192	-	Shaktar S. Gawade	Male	25				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
20	193	-	Tunaji Solankar	Male	29				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		
21	194	-	Krushnakant Jha	Male	46				SECURITY		09-11-2023 Fri	Not Applicable	Not Applicable		
22	195	-	Ayjun B. More	Male	39				Ware House	Preventive maintenance of electrical machinery	09-11-2023 Fri	Not Applicable	Not Applicable		

Name of Certifying Surgeon

Dr. Pankaj Shab

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 09-11-2023 To 09-11-2024

(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 11, should be expressed as Fit/Unfit/Suspended.

Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birth day)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon	
23	196	-	Shawappa A. Walshe	Male	26				Ware House	Polystyrene, Polyurethane, Acrylic Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
24	197	-	Bolaji A. Solankar	Male	14				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
25	198	-	Rajkumar R. Jang	Male	31				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
26	199	-	Ajay Kumar Singh	Male	38				SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable		Dr
27	200	-	Bapu D. Nave	Male	42				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
28	203	-	Prasad Shendage	Male	26				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
29	205	-	Hirpanni M. Dongre	Male	50				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
30	206	-	Balashree M. Deshpande	Male	44				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
31	207	-	Mohana Jhu	Male	41				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr
32	208	-	Ram Babu Kumar	Male	33				SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable		Dr
33	209	-	Saswath Keshi	Male	23				Ware House	Polystyrene, Polyurethane, Epoxy Adhesive	09-11-2023	Fit	Not Applicable	Not Applicable		Dr

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

From :- 09-11-2023 To 09-11-2024

HEALTH REGISTER

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Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated.

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Sr. No.	Form No.	EC. No.	Name of Worker	sex	Age (last birthday)	Date of present employment	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or By-product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with details	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certificate of Surgeon
34	210	-	Murli Das	Male	28	-	-	-	Ware House	Fluocorticoid, Steroid, analgesic, Dextro/phenol	09-11-2023	Fit	Not Applicable	Not Applicable	Fit
35	211	-	Abhishek Kumar Singh	Male	39	-	-	-	SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
36	212	-	Ashok Sengul	Male	50	-	-	-	SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
37	216	-	Pranod Khannure	Male	39	-	-	-	SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
38	217	-	Shivendra Paul	Male	43	-	-	-	Ware House	Fluocorticoid, Steroid, Analgesic, Dextro/phenol	09-11-2023	Fit	Not Applicable	Not Applicable	Fit
39	218	-	Ramesh Prudhvi	Male	29	-	-	-	Stores		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
40	219	-	Ananda B. Dhore	Male	35	-	-	-	Ware House	Fluocorticoid, Steroid, Analgesic, Dextro/phenol	09-11-2023	Fit	Not Applicable	Not Applicable	Fit
41	220	-	Ranjana Gupta	Male	18	-	-	-	Canteen		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
42	221	-	Bhoda Prasad	Male	35	-	-	-	Canteen		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
43	224	-	Sonal Kumar A. Singh	Male	29	-	-	-	SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable	Fit
44	225	-	Sagar Kaurie	Male	14	-	-	-	Stores		09-11-2023	Fit	Not Applicable	Not Applicable	Fit

Name of Certifying Surgeon

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Regd. No. 51279

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45	226	-	Suryakant Gawade	Male	38	-	-	-	Ware House	Pharmaceutical, Medicines, Chemicals	09-11-2023	Fit	Not Applicable	Not Applicable	NA
46	227	-	Gajanan Humson	Male	45	-	-	-	Ware House	Pharmaceutical, Medicines, Chemicals, Detergent	09-11-2023	Fit	Not Applicable	Not Applicable	NA
47	228	-	Rupchand	Male	54	-	-	-	Darken		09-11-2023	Fit	Not Applicable	Not Applicable	NA
48	230	-	Sonu Kumar Sahu Singh	Male	27	-	-	-	SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable	NA
49	239	-	Ganesh Kadam	Male	37	-	-	-	House Keeping Pl		09-11-2023	Fit	Not Applicable	Not Applicable	NA
50	241	-	Purifud Kaje	Male	45	-	-	-	Stores		09-11-2023	Fit	Not Applicable	Not Applicable	NA
51	242	-	Laloo Patil	Male	54	-	-	-	Civil		09-11-2023	Fit	Not Applicable	Not Applicable	NA
52	245	-	Dhanraj Singh Chaudan	Male	52	-	-	-	SECURITY		09-11-2023	Fit	Not Applicable	Not Applicable	NA
53	259	-	Dhanraj More	Male	31	-	-	-	Fire & Safety		09-11-2023	Fit	Not Applicable	Not Applicable	NA
54	265	-	Ranadun Ray	Male	31	-	-	-	Fire & Safety		09-11-2023	Fit	Not Applicable	Not Applicable	NA
55	275	-	Meghraj Naaga	Male	64	-	-	-	Ware House		10-11-2023	Fit	Not Applicable	Not Applicable	NA

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

From :- 10-11-2023 To 10-11-2024

HEALTH REGISTER

(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 11, should be expressed as Fit/Unfit/Suspended.

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60	276	-	Bodidas Paul	Male	55	-	-	-	Commercial		10-11-2023 Fit	Not Applicable	Not Applicable		DS
57	277	-	Ravindra Devi	Male	72	-	-	-	Careeri		10-11-2023 Fit	Not Applicable	Not Applicable		DS
58	278	-	Sugny Medani	Male	40	-	-	-	Ware House	Preparation of Medicines, Chemicals, Detergent, Soap etc	10-11-2023 Fit	Not Applicable	Not Applicable		DS
59	279	-	Praduman V. Donge	Male	24	-	-	-	Ware House	Preparation of Medicines, Chemicals, Detergent, Soap etc	10-11-2023 Fit	Not Applicable	Not Applicable		DS
60	280	-	Dattatray S. Sengupte	Male	29	-	-	-	Ware House	Preparation of Medicines, Chemicals, Detergent, Soap etc	10-11-2023 Fit	Not Applicable	Not Applicable		DS
61	285	-	Ajay Choudhary	Male	23	-	-	-	Canteen		10-11-2023 Fit	Not Applicable	Not Applicable		DS
62	286	-	Amit Ingle	Male	50	-	-	-	Canteen		10-11-2023 Fit	Not Applicable	Not Applicable		DS
63	297	-	Suresida Nayak	Male	51	-	-	-	Canteen		10-11-2023 Fit	Not Applicable	Not Applicable		DS
64	298	-	Tushk Singh	Male	26	-	-	-	Canteen		10-11-2023 Fit	Not Applicable	Not Applicable		DS
65	304	-	Manohar S. Wadiche	Male	45	-	-	-	Ware House	Preparation of Medicines, Chemicals, Detergent, Soap etc	10-11-2023 Fit	Not Applicable	Not Applicable		DS
66	305	-	Hrushimur Fulebade	Male	30	-	-	-	Ware House	Preparation of Medicines, Chemicals, Detergent, Soap etc	10-11-2023 Fit	Not Applicable	Not Applicable		DS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

From :- 10-11-2023 To 10-11-2024

HEALTH REGISTER

(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 employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Kaw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work, date period of suspension with detailed	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon
67	306	-	Yashu Ingle	Male	52	-	-	-	Ware House	Non-hazardous Material Diesel Exhaust	10-11-2023	Fit	Not Applicable	Not Applicable	23
68	307	-	Madan K. Bangar	Male	48	-	-	-	M.A. Banging		10-11-2023	Fit	Not Applicable	Not Applicable	23
69	311	-	SOMESH MEHTA	Male	32	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23
70	312	-	Rajput Tani	Male	36	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23
71	314	-	Basanti J. Padi	Male	53	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable	23
72	315	-	Jay Prakash	Male	40	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23
73	316	-	Sunil Kumar	Male	22	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23
74	317	-	Ramesh Paul	Male	49	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable	23
75	318	-	Nitin Kumar Singh	Male	38	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23
76	319	-	Rajeshwar Sarsin	Male	42	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23
78	321	-	Kunal Pachare	Male	27	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable	23

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

Form :- 22-11-2023 To 22-11-2024

(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 birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye products handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon	
79	322	-	Krishna Ram	Male	41	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable		PS
80	323	-	Dada Rajod	Male	28	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable		PS
81	324	-	Pawan Kumar	Male	40	-	-	-	SECURITY		22-11-2023	Fit	Not Applicable	Not Applicable		PS
82	326	-	Mangal Raj	Male	53	-	-	-	Waste House	Household waste, garbage, debris, refuse	22-11-2023	Fit	Not Applicable	Not Applicable		PS
83	328	-	Krishna Dhruval	Male	42	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable		PS
83	329	-	Dharam C. Patel	Male	58	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable		PS
84	330	-	Bharam D. Madhavi	Male	47	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable		PS
85	331	-	Arun Patel	Male	50	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable		PS
86	332	-	Ramesh Nigadkar	Male	48	-	-	-	House Keeping		22-11-2023	Fit	Not Applicable	Not Applicable		PS
87	333	-	Hemishchandra Bhavsare	Male	45	-	-	-	Waste House	Household waste, garbage, debris, refuse	22-11-2023	Fit	Not Applicable	Not Applicable		PS
88	335	-	Ketan R. Patel	Male	18	-	-	-	Waste House	Household waste, garbage, debris, refuse	22-11-2023	Fit	Not Applicable	Not Applicable		PS

Name of Certifying Surgeon

Dr. Pankaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 22-11-2023 To 22-11-2024

(In respect of persons employed in occupations declared to be dangerous operations under Sections 87) Note : (i) Column II, should be expressed as Fit/Unfit/Suspended.

Note : (i) Column 8, Detailed summary of reason for transfer of discharge should be stated.

Sr. No.	Form No.	EC No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or Bye product handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work state period of suspension with detailed	Certified fit to resume duty on with Signature of certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon	
89	356	-	Anu Mishra	Male	47	-	-	-	Waste House	Industrial, Manufacturing, Metal Spinning	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
90	341	-	Sachin Yadav	Male	27	-	-	-	SECURITY	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
91	342	-	Poojant Pawan	Male	44	-	-	-	SECURITY	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
92	343	-	Savish Pandey	Male	21	-	-	-	SECURITY	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
93	344	-	Shashi Jalandhar	Male	21	-	-	-	Engineering	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
94	348	-	Rohman Khatil	Male	53	-	-	-	Insulation	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
95	352	-	Prakash M. Gaskar	Male	30	-	-	-	ETP	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
96	353	-	Ashish Patel	Male	29	-	-	-	ETP	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
97	355	-	Premod Shukar	Male	35	-	-	-	ETP	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
98	356	-	Bhaskar Anand	Male	23	-	-	-	ETP	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit
99	357	-	Mithun E. Choudhary	Male	29	-	-	-	ETP	-	22-11-2023	Fit	Not Applicable	Not Applicable	Not Applicable	Fit

Name of Certifying Surgeon

Dr. Parulaj Shah

Regd. No. 51279

FORM NO. 7

HEALTH REGISTER

From :- 22-11-2023 To 22-11-2024

(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.	F.C. No.	Name of Worker	sex	Age (last birthday)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving, transfer or discharge	Nature of job or occupation	Raw material or bye products handled	Date of medical examination by Certifying Surgeon and Result of Medical Examination	If suspended from work, state period of suspension with detailed	Certified fit to resume duty or with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with Certifying Surgeon	
100	362	-	Bakulshna J. Paul	Male	30	-	-	-	Warc House	Production of Medicaments, Chemical Products	22-11-2023	Fit	Not Applicable	Not Applicable		
101	363	-	Keshav N. Paul	Male	46	-	-	-	Warc House	Pharmaceutical, Medicinal, Chemical Products	22-11-2023	Fit	Not Applicable	Not Applicable		
102	364	-	Mahesh Koli	Male	26	-	-	-	Carson	-	22-11-2023	Fit	Not Applicable	Not Applicable		
103	365	-	Shamwar Sangade	Male	50	-	-	-	Warc House	Pharmaceutical, Medicinal, Chemical Products	22-11-2023	Fit	Not Applicable	Not Applicable		


 संस्थाचे अधिकारी यांच्यासमोर (च) ठरून
 तुरुंग विभागातर्फे देण्यात आलेल्या तथ्यांचे
 तपासणे करण्यात आले आहे. अ.स.स. पं.स. 2021

ANNEXURE – IX

Budget For Environment Monitoring and Pollution Control		
SR. NO.	HEADS	AMOUNT (Rs IN LACS)
1	Chemicals for ETP, RO & MEE plant operation	111.89
2	ETP Operation & Maintenance	92.76
3	Environmental monitoring	34.59
4	Hazardous waste disposal	249.63
5	AMC for OCEMS & ETP on line analyzers	22.76
	TOTAL	511.63

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, Talaja, 410200, 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>

नवशक्ति, मुंबई, शनिवार ३० जून २००७

जाहीर सूचना

भारत सरकारच्या वन व पर्यावरण
मंत्रालयाने आय. जी. पेट्रोकेमिकल्स
लि. टी. २, एम. आय. डी. सी.
तळोजा - ४१०२००, जि. रायगड
येथील कारखान्याच्या नियोजित
धरनुसारणा 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, Talaja Industrial Area, MIDC Talaja, Dist. Raigad by I G Petrochemicals Ltd. has been accorded Environmental Clearance by the Ministry of Environment, Forest & Climate Change vide letter no. J-11011/73/2016-IA-II (I) dated 20th February 2018. Copy of the said environment clearance is available with Maharashtra Pollution Control Board & on website of the MoEF & CC at <http://environmentclearance.nic.in/onlineaearchmodi.aspx?pid=ECAmendgrant>

I G Petrochemicals Ltd.
Authorized Signatory

८

जवशक्ति
मुंबई, शनिवार, ३ मार्च २०१८

जाहीर नोटीस

सर्व संबंधितांना माहिती देण्यात येते की, प्लॉट क्रमांक टी-२, तळाळा एम.आय.डी.सी., जिल्हा रायगड, महाराष्ट्र येथील आय. जी. पेट्रोकेमिकल्स लि. द्वारे प्रस्तावित प्रकल्प, कृत्रिम सैद्ध्य रासायनिक उत्पादन सुविधेच्या संबंधित असून या प्रकल्पाचा पर्यावरण वन एवं नलबासु परिवर्तन मंत्रालय, भारत सरकार (MoEF & CC) समितीने समती संदर्भ अक्षर क्र. J-11011/73/2016-IA-II (I), दिनांक २० फेब्रुवारी २०१८ प्रमाणे दिली आहे. सार पर्यावरणीय समती पत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे तसेच मंत्रालयाच्या पर्यावरणीय विभागाच्या <http://environmentclearance.nic.in/onlineaearchmodi.aspx?pid=ECAmendgrant> या संकेत स्थळावर उपलब्ध आहे. आय. जी. पेट्रोकेमिकल्स 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 Tricking Filter Feed Sump for further secondary treatment.

1.2 Secondary Treatment

The clarified effluent from the Tricking Filter Feed sump will be pumped to the Tricking 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

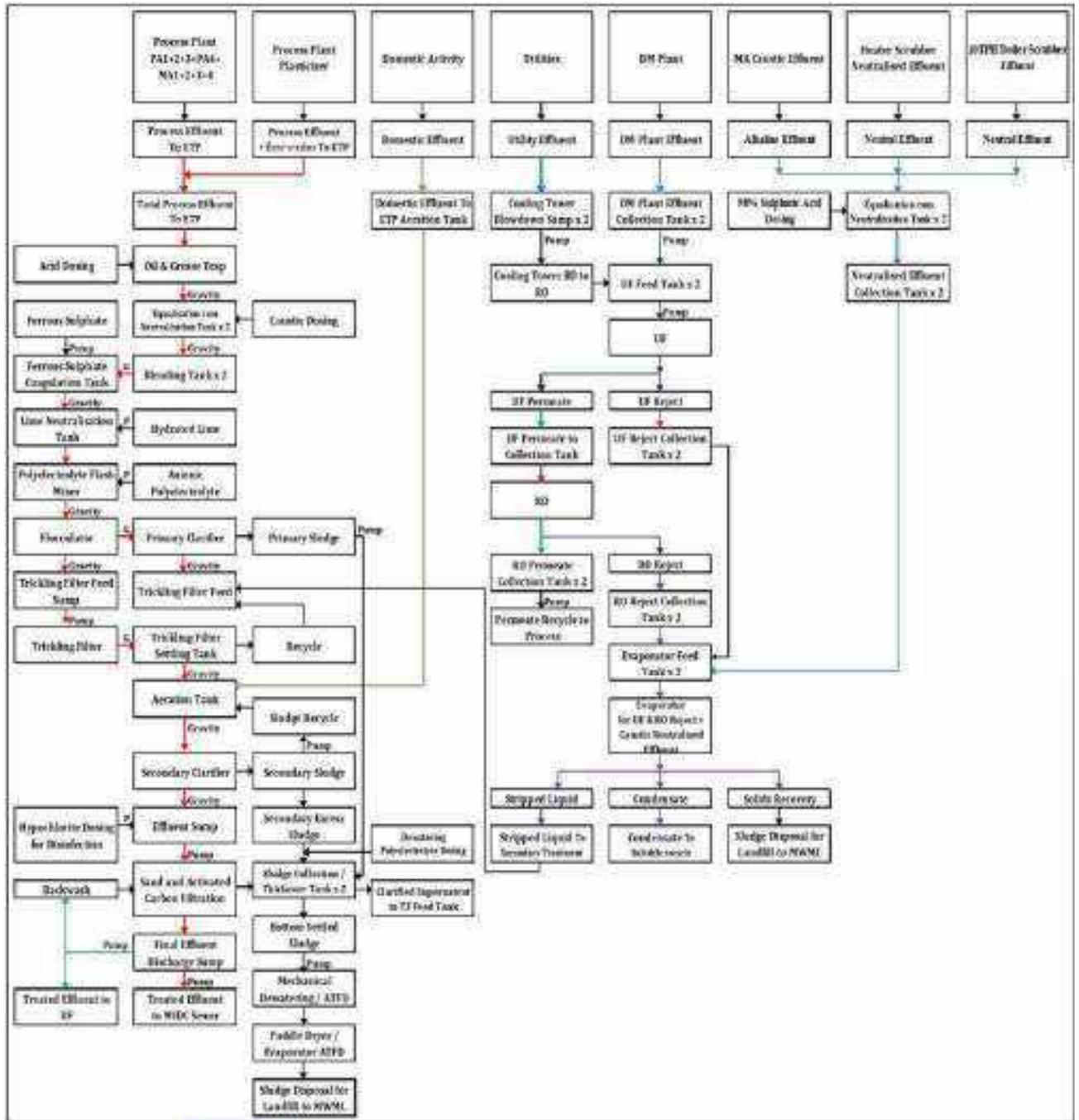
Centrifuge and Filter Press systems are provided for sludge handling. Sludge is collected in bags and filtrate has taken to treatment again in ETP system. Sludge is disposed to sludge disposal site CHWTSDf, Talaja.

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 No. T - 1 & T - 2, Taloja
Industrial Area, MIDC Taloja, Tal -
Panvel, Dist Raigad. PIN - 410208**

Date of update of Display: 01/05/2024

**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	0 MT	0 MT	Used as fuel in oil heater/ Thermal oxidizer
1.4 – Organic Residue	153.33 MT/A	0 MT	10.830 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	2.460 KL	Sale to authorize d 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	56 Nos	Sale to authorize d party/ CHWTSDF
35.3 – Chemical sludge from Waste water treatment.	1.83 MT/M	0.622 MT	0 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	4.0 MT	56.81 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	2.080 MT	Sent to CHWTSDF
15.2- Discarded asbestos	3.6 MT/M	0 MT	0 MT	Send to CHWTSDF

Hazardous Waste

HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
By- product Sodium Sulphate	75 MT/M	0 MT	10.910 MT	Sale to authorize d party/ CHWTSDF
By-product Phthalic Acid	66.67 MT/M	0.600 MT	0 MT	Sale to authorize d 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 authorize d 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	0.05 MT	0 MT	Sent to CHWTSDF
35.2- Spent ion exchange resins containing toxic metals	7500 Ltr./A	0 MT	0 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 MT	Sent to CHWTSDF Sent to CHWTSDF
IT/Telecom, Electrical, Electronic Waste	600 Kg/M	0 MT	0 MT	Sale to authorize d E waste handler/ Recycler

Hazardous Waste

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

Hazardous Waste

HW – Type & Category	Consent Limit	Qty Hzw. Str.	Qty Hzw. Dis.	Mode of Treat.
BMW - Yellow	10 Kg/M	0 Kg	0.075 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	FO	Stack designed for sufficient dispersion
Hot Oil Heaters	FO + 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/Nm ³	CO- 6.07, NO- 16.2, PM-43.69, SO2- 4.65 mg/Nm ³
Hot Oil Heater-II	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm ³	CO- 47.03, NO- 95.14, PM-2.79, SO2- 172.58 mg/Nm ³
Hot Oil Heater-IV	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm ³	CO- 6.14, NO-6.87, PM-4.53, SO2- 21.62 mg/Nm ³

Air Emission

Source	Limits	Monitored Data
Scrubber – PA - I	NO-350, PM-50, SO ₂ -850, TOC- 150 mg /Nm ³	NO-25.06, PM-28.83, SO ₂ -8.0, TOC-51.12 mg /Nm ³
Scrubber – PA - II	NO-450, PM-100, SO ₂ -1700, TOC- 150 mg /Nm ³	NO-35.2, PM-35.75, SO ₂ -56.76, TOC- 13.13 mg /Nm ³
Scrubber – PA - III	NO-450, PM-100, SO ₂ -1700, TOC- 150 mg /Nm ³	NO-11.76 , PM-12.5, SO ₂ -21.22, TOC- 24.15 mg /Nm ³

Air Emission

Source	Limits	Monitored Data
Scrubber – PA - IV	NO-350, PM-50, SO2-850, TOC-150 mg /Nm3	NO-3.92 , PM-14.2, SO2-6.42, TOC-12.58 mg /Nm3
Boiler	CO -200, NO - 450, PM - 100, SO2 - 1700 mg/Nm3	CO -5.13, NO –6.57, PM –6.91, SO2 -16.08 mg/Nm3

Air Emission

Source	Limits	Monitored Data
DG Set 2000 KVA	CO – 150, NO - 710 , PM - 150, SO2 - 1700 mg/Nm3	CO – - , NO – 0 , PM – 2.66, SO2 – 0 mg/Nm3
De-dusting – I	PM – 150, TOC – 150 mg/Nm3	PM – 7.56, TOC – 2.23 mg/Nm3
De-dusting – II	PM – 150, TOC – 150 mg/Nm3	PM –28.47, TOC -5.72 mg/Nm3

Air Emission

Source	Limits	Monitored Data
De-dusting – III	PM – 150, TOC – 150 mg/Nm ³	PM – 13.63 TOC – 5.09 mg/Nm ³
De-dusting – IV	PM – 150, TOC – 150 mg/Nm ³	PM – 6.18 TOC – 4.25 mg/Nm ³
MA Bagging	PM – 150, TOC – 150 mg/Nm ³	PM – 15.3 TOC – 0.0 mg/Nm ³

Air Emission

Source	Limits	Monitored Data
MA Flaker	PM – 150, TOC – 150 mg/Nm ³	PM –9.26, TOC – 8.37 mg/Nm ³

*** 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 166.41 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	7.55
TSS	mg/l	100	10.7
COD	mg/lit	250	56.1
BOD	mg/lit	100	18.21

Effluent Discharge

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

ENVIRONMENTAL POLICY

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

In our effort to keep to our commitment for protection of environment, we shall strive to:

- Prevent and control pollution within permissible limit and maintain eco-friendly environment.**

I G Petrochemicals Ltd



ENVIRONMENTAL POLICY

- **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.**

I G Petrochemicals Ltd



ENVIRONMENTAL POLICY

- **Maximize reuse/recycle wastes.**

We shall comply with all applicable environmental legislations and other requirements.

This policy shall be communicated to all the managers, staff, workmen, suppliers and regular visitors through display, training and personal interactions and shall be made available to all interested parties and public on demand.

A handwritten signature in blue ink, appearing to read 'Sagar Jadhav', is written over a white rectangular background.

1ST OCT 2023

SAGAR JADHAV

CHIEF MANUFACTURING OPERATIONS

पर्यावरण धोरण

आम्ही थॅलिक अनहायड्राइड, मॅलिक अनहायड्राइड, बेंझॉइक असिड आणि डायईथाईल थॅलेट यांचे उत्पादन करण्याच्या क्षेत्रात आहोत. औद्योगिकरणामुळे पर्यावरणांवर होणाऱ्या परिणामांची आम्हांस माहिती आहे तसेच पर्यावरणाचा समतोल राखणे आणि पुनर्संचयित करणे गरजेचे आहे याची आम्हांला जाणीव आहे.

प्रदूषणमुक्त पर्यावरणासाठी कटिबद्ध राहताना आम्ही खालील गोष्टींची कसोशीने दक्षता बाळगतो.

- पर्यावरण सुसंगत वातावरण राखण्यासाठी प्रदूषणाला आळा घालणे.

पर्यावरण धोरण

- पर्यावरणाला धक्का पोहचणार नाही अशा पद्धतीने टाकाऊ पदार्थांची विल्हेवाल लावणे.
- आमचे कामगार, कर्मचारी, अभ्यागत व आमच्याशी संबंधित सर्वांसाठी पर्यावरणविषयी जागृती निर्माण करणे व ती वृद्धिंगत करणे.
- आमची पर्यावरण कार्यक्षमता सतत विकसित करत राहणे .
- पाणी, वीज, इंधनसारख्या महत्वाच्या नैसर्गिक साधनसामग्रीचा अत्यंत जपून व काळजीपूर्वक वापर करणे.
- टाकाऊ पदार्थांचा पुनर्वापर / पुनर्प्रक्रिया करून जास्तीत जास्त वापर करणे.

पर्यावरण धोरण

पर्यावरण विषयक कायद्यांचे व इतर निर्बंधांचे आम्ही कसोशीने पालन करू.

फलक प्रदर्शन, प्रशिक्षण व व्यक्तिगत संपर्क अशा सर्व मार्गांनी हे पर्यावरणविषयक धोरण सर्व व्यवस्थापक, कार्यालयीन कर्मचारी, कामगार, पुरवठादार आणि अभ्यागत या सर्वांच्या निदर्शनास आणण्यात येईल. तसेच सर्व संबंधितांना व जनतेला मागणी केल्यास या धोरणाविषयीची माहिती उपलब्ध करून दिली जाईल.



सागर जाधव

मुख्य उत्पादन प्रक्रिया

१ ऑक्टो. २०२३



Sustainability

Mumbai Waste Management Limited

CERTIFICATE OF MEMBERSHIP

m/s. I.G. Petrochemicals Limited.

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

Membership No: MWML-HZW - TAL - 946

This Certificate is valid up to 31/03/2025

Onkar Kulkarni
Manager - BMD

Somnath Malgar
Director



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:

MPCB-HW_ANNUAL_RETURN-0000039014

Submitted On:

27-06-2023

Industry Type :

Generator

Submitted for Year:

April 2022 to March 2023

1. Name of the generator/operator of facility

I G Petrochemicals Ltd

Address of the unit/facility

Plot No T 1 & T 2, V-11 to V-14 , V-45 Taloja Industrial Area, MIDC Taloja, Tal- Panvel, Dist - Raigad, 410208

1b. Authorization Number

Format1.0/CAC/UAN No.MPCB-CONSENT-0000115836/CR/2207000116

Date of issue

Jul 2, 2022

Date of validity of consent

Aug 31, 2026

2. Name of the authorised person

Mr. Sagar Jadhav

Full address of authorised person

Plot No T 1 & T 2, V-11 to V-14 , V-45 Taloja Industrial Area, MIDC Taloja, Tal- Panvel, Dist - Raigad, 410208

Telephone

2268479100

Fax

2227410192

Email

sjadhav@igpetro.com

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Petrochemicals	Phthalic Anhydride	222110.0000	204554.350	MT/A
Petrochemicals	Benzoic Acid	1500.0000	816.830	MT/A
Petrochemicals	Maleic Anhydride	7660.0000	6904.225	MT/A
Petrochemicals	Di Ethyl Phthalate/ Di Methyl Phthalate	12600.0000	4678.0	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
1.2 Tarry residues and still bottoms from distillation	Still bottom from distillation process	5467.800	3728.7	MTA
1.6 Spent catalyst and molecular sieves	Spent catalyst and molecular sieves	90.000	23.93	MTA
5.1 Used or spent oil	Used or spent oil	45.000	5.2	MTA
15.2 Discarded asbestos	Discarded asbestos	43.000	0.28	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	1248.000	1046	numbers/anum

36.2 Spent carbon or filter medium	Spent Carbon	93.720	37.86	MTA
35.3 Chemical sludge from waste water treatment	Chemical Sludge from Waste Water Treatment	18.000	4.201	MTA
1.4 Organic residues	Organic Residue	150.000	139.38	MTA
37.3 Concentration or evaporation residues	Concentration or Evaporation Residue	3000.000	522.02	MTA
37.1 Sludge from wet scrubbers	Sludge from wet Scrubber	5.040	0.37	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded Bags used for Hazardous Material	2.520	1.30	MTA
37.2 Ash from incinerator and flue gas cleaning residue	Ash from Incinerator and flue gas	9.600	2.65	MTA
Other Hazardous Waste	By product phthalic acid	800.040	148.51	MTA
Other Hazardous Waste	By product sodium sulphate	900.000	18.88	MTA
35.2 Spent ion exchange resin containing toxic metals	Spent ion exchange resins	7.500	4.32	KL/Anum

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
1.6 Spent catalyst and molecular sieves	23.93	MTA	Disposal Facility	Mumbai Waste Management
5.1 Used or spent oil	5.2	MTA	Recycler or Actual user	M/s. Plus Lubricants
15.2 Discarded asbestos	0.28	MTA	Disposal Facility	Mumbai Waste Management
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1046	numbers/anum	Disposal Facility	Mumbai Waste Management
36.2 Spent carbon or filter medium	37.86	MTA	Disposal Facility	Mumbai Waste Management
35.3 Chemical sludge from waste water treatment	4.25	MTA	Disposal Facility	Mumbai Waste Management
1.4 Organic residues	139.38	MTA	Disposal Facility	Mumbai Waste Management
37.3 Concentration or evaporation residues	521.29	MTA	Disposal Facility	Mumbai Waste Management
37.1 Sludge from wet scrubbers	0.37	MTA	Disposal Facility	Mumbai Waste Management
37.2 Ash from incinerator and flue gas cleaning residue	2.65	MTA	Disposal Facility	Mumbai Waste Management
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.3	MTA	Disposal Facility	Discarded Bags used for Haz.waste sent Mumbai Waste Management
Other Hazardous Waste	148.51	MTA	Disposal Facility	By Product Phthalic Acid sent toMumbai Waste Management
Other Hazardous Waste	18.88	MTA	Disposal Facility	By Product Sodium Sulphate sent toMumbai Waste Management
35.2 Spent ion exchange resin containing toxic metals	4.32	KL/Anum	Disposal Facility	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	Still Bottom from distillation process	3730.39	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	Still Bottom from distillation process	0	MTA
1.6 Spent catalyst and molecular sieves	Spent Catalyst and Molecular sieves	0	MTA
5.1 Used or spent oil	Used or Spent oil	0	MTA
15.2 Discarded asbestos	Discarded Asbestos	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/containers/liners	0	numbers/anum
36.2 Spent carbon or filter medium	Spent Carbon	0	MTA
35.3 Chemical sludge from waste water treatment	Chemical Sludge from ETP	0.015	MTA
1.4 Organic residues	Organic Residue	0	MTA
37.3 Concentration or evaporation residues	Concentration or evaporation residue	2.0	MTA
37.1 Sludge from wet scrubbers	Sludge from wet scrubbers	0	MTA
37.2 Ash from incinerator and flue gas cleaning residue	Ash from Incinerator and flue gas	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded bags used for haz. chemicals	0	MTA
Other Hazardous Waste	By product phthalic acid	0	MTA
Other Hazardous Waste	By product sodium sulphate	0	MTA
35.2 Spent ion exchange resin containing toxic metals	Spent ion exchange resins	0	KL/Anum

5. Quantity disposed in landfills as such and after treatment

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

6. Quantity incinerated (if applicable)

	UOM
NA	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	UOM	State Name
NA	KL/Anum	Maharashtra
2. Quantity in stock at the beginning of the year	UOM	
NA	KL/Anum	
3. Quantity treated	UOM	

NA

KL/Anum

4. Quantity disposed in landfills as such and after treatment

Type

Direct landfilling

Quantity

NA

UOM

KL/Anum

Landfill after treatment

NA

KL/Anum

5. Quantity incinerated (if applicable)

UOM

NA

KL/Anum

6. Quantity processed other than specified above

UOM

NA

KL/Anum

7. Quantity in storage at the end of the year.

UOM

NA

KL/Anum

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	India	Maharashtra	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

3. Quantity of waste recycled or co-processed or used

Name of Waste	Type of Waste	Quantity	UOM
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

Waste name/category	quantity	UOM
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

Waste name/category	quantity	UOM
NA	NA	KL/Anum

9. Quantity disposed in landfills as such and after treatment

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

10. Quantity incinerated (if applicable)

UOM
NA

Personal Details

Place	Date	Designation
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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 Talaja Industrial Area,**
MIDC,Taloja, Tal. Panvel, Dist. Raigad - 410 208.



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:

- 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.
- The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- 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, Talaja
- 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 (SO ₂)	Liquid	850
2	Oxides of Nitrogen (NO _x)	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)
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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 m ³ and total vapour Pressure (TVP) of more than 76 kpa should have Fixed Roof 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 cm ² /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 cm ² /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 Benzene, 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/m ³	(i) 99.50 (ii) 5.00
	Benzene: (i) VOC reduction, % (ii) Emission, mg/m ³	(i) 99.99 (ii) 20.00
	Toluene/Xylene: (i) VOC reduction, % (ii) Emission, mg/m ³	(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 standard 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 be 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 its 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

SCHEDULE-IV

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 them.

3. **Balances** : WEEE Guidelines also requires that sites for handling of WEEE have “balances to measure the weight of the segregated waste’. The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
 4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
 5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
 6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
 7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
 8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
 9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
 10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
 11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
10. The Energy source for lighting purpose shall preferably be LED based
 11. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
 12. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

13. The applicant shall maintain good housekeeping.
14. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
15. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
16. The 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).

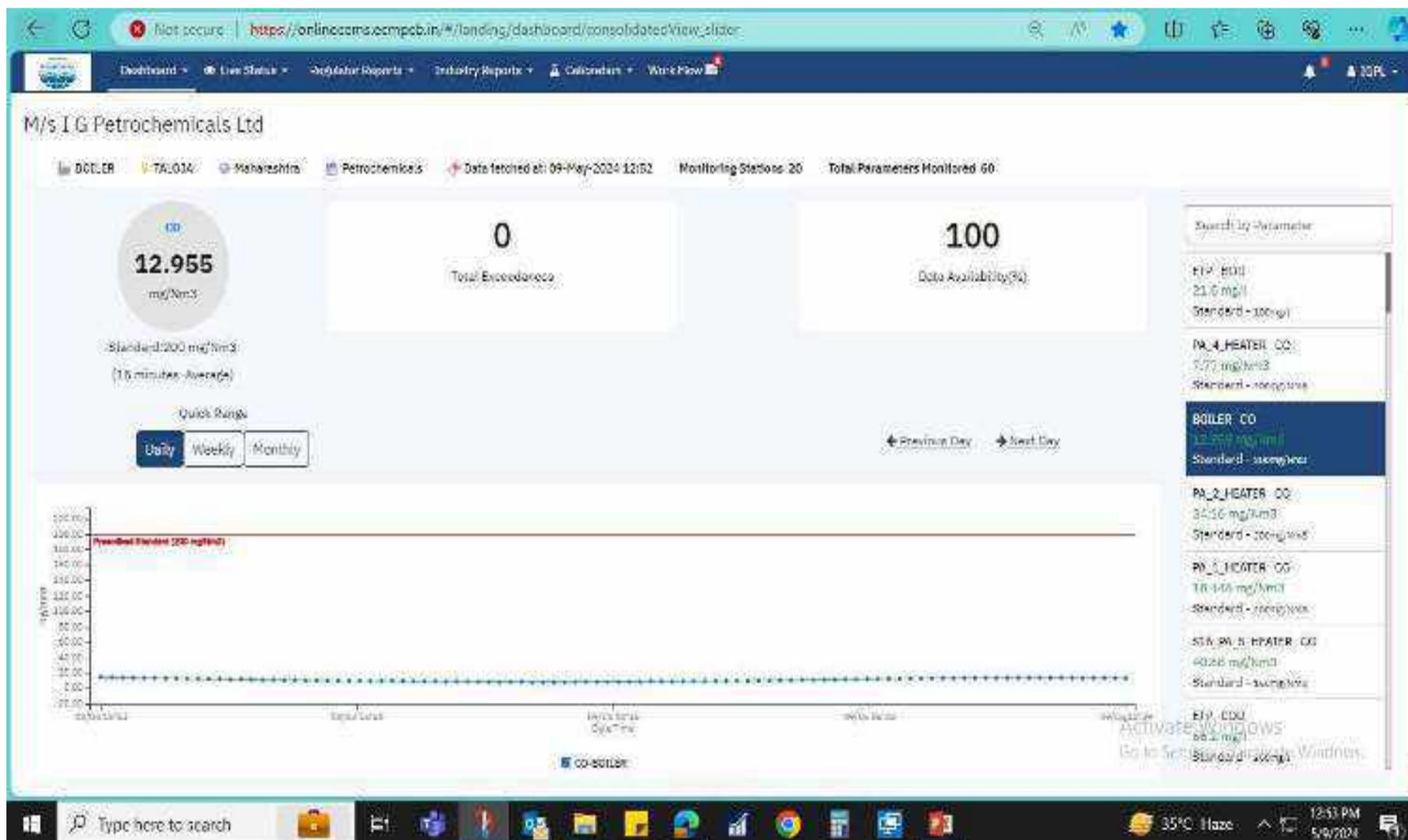
29. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent 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.



16. ANNEXURE – OCEMS DASHBOARD



ANNEXURE - XVII

**I G PETROCHEMICALS LIMITED
DETAILS OF EXPENDITURE ON ENVIRONMENT SOCIAL RESPONSIBILITY
PERIOD 01.04.2023 TO 31.03.2024**

SR. NO.	PAID TO	PERIOD		AMOUNT	Voucher No.	Voucher Date
		FROM	TO			
1	<u>TALOJA FACTORY</u>					
	<u>Maintenance of Trees (By K D Patil)</u> (At Koyanavele/ghotcamp,Bhoirwada Road, Nitlas Village & FG Glass MIDC Road Water supply Thru Water Tanker	4/1/2023	4/30/2023	65,000.00	PV-TAL/2324090050	15-Sep-23
		5/1/2023	5/31/2023	65,000.00	PV-TAL/2324090049	15-Sep-23
		6/1/2023	6/30/2023	65,000.00	PV-TAL/2324090048	15-Sep-23
		7/1/2023	7/31/2023	65,000.00	PV-TAL/2324090047	15-Sep-23
		8/1/2023	8/31/2023	65,000.00	PV-TAL/2324100270	31-Oct-23
		9/1/2023	9/30/2023	65,000.00	PV-TAL/2324110236	29-Nov-23
		10/1/2023	10/31/2023	65,000.00	PV-TAL/2324110237	29-Nov-23
		11/1/2023	11/30/2023	65,000.00	PV-TAL/2324010059	12-Jan-24
		12/1/2023	12/31/2023	65,000.00	PV-TAL/2324010213	31-Jan-24
		1/1/2024	1/31/2024	65,000.00	PV-TAL/2324020137	24-Feb-24
		2/1/2024	2/29/2024	65,000.00	TL-JV/2324030177	31-Mar-24
		3/1/2024	3/31/2024	65,000.00	TL-JV/2324030177	31-Mar-24
		PLANTATION OF TREE IN FRONT OF GATE		36,000.00	PV-TAL/2324020081	8-Feb-24
		TOTAL-Expenses			816,000.00	

ANNEXURE - XVIII

I G Petrochemicals Limited - CSR Expenses from October 2023 to March 2024			
Sr. No.	Paid To	Description	Amount
1	Saraswati Shishu Mandir Trust (Vrindavan School)	School Development	5,000,000
2	Tata Community Initiatives Trust	IGPL-Tata Strive Skill Development Centre (Opex)	2,458,908
3	Tata Community Initiatives Trust	IGPL-Tata Strive Skill Development Centre (Opex)	1,570,890
4	Tata Community Initiatives Trust	IGPL-Tata Strive Skill Development Centre (Opex)	1,570,890
5	Tata Community Initiatives Trust	IGPL-Tata Strive Skill Development Centre (Capex)	626,042
6	Enviro Creators Foundation	Miyawaki Plantation – 30,800 trees	3,705,450
7	Enviro Creators Foundation		3,705,450
8	Enviro Creators Foundation		3,176,100
9	Anarde Foundation	Water Conservation and Rural Development - Watershed project	2,600,000
10	Anarde Foundation		2,200,000
11	Anarde Foundation		3,946,833
12	Param Shantidham Vrudhashram	Old Age Home (6 months)	180,000
13	Blind Organisation of India	Donated for folding canes for blind	40,000
14	PDMDs	Wellness Centre at Bandra	500,000
15	BCAS (Tree Plantation)	Tree Plantation	250,000
16	Utkarsh Foundation	Animal Welfare	250,000
17	Blind Organization of India	Cardiac Ambulance	2,820,020
18	SAAD foundation for Drushti Project	Cataract Screening and Surgeries	1,451,175
19	SAAD foundation for Drushti Project		1,451,175
20	ISKCON for providing Annadhan	Donation for Food	200,000
21	Jankalyan Foundation	Medical Camp	700,000
22	IGPL Charitable Foundation/ Vrindavan School	School Development	1,000,000
Total (INR)			39,402,933

ANNEXURE - XIX



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 14 th 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 14 th 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.	<p>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.</p> <p>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</p>

S. N.	Para of EC	Details as per EC dated 14 th 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 m ²) 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 sensitise 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





Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000059865

Submitted Date

26-09-2023

PART A**Company Information****Company Name**

I. G. Petrochemicals Ltd.

Application UAN number

0000115836

Address

I G Petrochemicals Ltd, Plot No T-1& 2, MIDC Industrial Area ,Taloja, Dist- Raigad

Plot no

T- 1, T-2, T-2/1, V-11/12/13/14/45

Taluka

Panvel

Village

Taloja Industrial Area

Capital Investment (In lakhs)

1169.8758

Scale

Large Scale Industry (LSI)

City

Panvel

Pincode

410208

Person Name

Mr. Sagar Jadhav

Designation

Chief - Manufacturing Operations

Telephone Number

2268479103

Fax Number

2227410192

Email

sjadhav@igpetro.com

Region

SRO-Taloja

Industry Category

Red

Industry Type

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

Last Environmental statement submitted online

yes

Consent Number**Consent Issue Date**

2022-07-02

Consent Valid Upto

2026-08-31

Establishment Year

1992

Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)**Product Information****Product Name**

Phthalic Anhydride

Consent Quantity

222110

Actual Quantity

204554.35

UOM

MT/A

Benzoic Acid

1500

816.83

MT/A

Maleic Anhydride

7660

6904.23

MT/A

Di Ethyl Phthalate

12600

4678.00

MT/A

By-product Information**By Product Name**

0

Consent Quantity

0

Actual Quantity

0

UOM

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	4776.00	2791.10
Domestic	44.00	25.70
All others	10.00	5.80
Total	5563.00	3251.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of trade effluent from the factory	791	313.1	CMD
Daily Quantity of sewage from the factory	36	24	CMD
Daily quantity of treated effluent	220	193.9	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	1.12	0.66	CMD
Benzoic Acid	0.0	0	CMD
Maleic Anhydride	0.1	0.1	CMD
DI-Ethyl Phthalate	0	0	CMD

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
o-Xylene	0.923	0.94	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	11325	5977.60	MT/A
HSD(High Speed Diesel)	3942	422.40	MT/A
Distillation Residue	4088	3730.39	MT/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	7.40	0	5.5 - 9.0	NA
Suspended Solids	6.66	34.30	0	100 mg/l	NA
BOD	5.91	30.50	0	100 mg/l	NA

COD	14.54	75.00	0	250 mg/l	NA
Oil & Grease	0.39	2.00	0	10 mg/l	NA
Total Dissolved Solids	180.65	931.70	0	2100 mg/l	NA
Chloride	33.43	172.40	0	600 mg/l	NA
Sulphate	25.58	131.90	0	1000 mg/l	NA
TAN	0.11	0.60	0	50 mg/l	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Stack - I (Boiler)- TPM	75.85	50.65	0	100 mg/Nm3	NA
Stack - I (Boiler)- SO2	86.96	58.07	0	1700 mg/Nm3	NA
Stack - I (Boiler) - NOX	78.96	52.73	0	450 mg/Nm3	NA
Stack - I (Boiler) - CO	23.22	15.50	0	200 mg/Nm3	NA
Stack - II-A-PA I Heater PM	4.66	51.01	0	100 mg/Nm3	NA
Stack - II-A-PA I Heater SO2	10.11	110.67	0	1700 mg/Nm3	NA
Stack - II-A-PA I Heater NOX	22.86	250.09	0	450 mg/Nm3	NA
Stack - II-A-PA I Heater CO	1.02	11.16	0	200 mg/Nm3	NA
Stack - II-B-PA II Heater PM	5.35	46.36	0	100 mg/Nm3	NA
Stack - II-B-PA II Heater SO2	8.88	76.99	0	1700 mg/Nm3	NA
Stack - II-B-PA II Heater NOX	4.50	39.03	0	450 mg/Nm3	NA
Stack - II-B-PA II Heater CO	1.63	14.14	0	200 mg/Nm3	NA
Stack - III- PA I Scrubber TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - III- PA I Scrubber PM	59.62	31.26	0	50 mg/Nm3	NA
Stack - III- PA I Scrubber SO2	9.25	4.85	0	850 mg/Nm3	NA
Stack - III- PA I Scrubber NOX	51.35	26.92	0	350 mg/Nm3	NA
Stack - IV- PA II Scrubber TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - IV- PA II Scrubber PM	47.46	33.56	0	100 mg/Nm3	NA
Stack - IV- PA II Scrubber SO2	12.66	8.95	0	1700 mg/Nm3	NA
Stack - IV- PA II Scrubber NOX	36.54	25.84	0	450 mg/Nm3	NA
Stack - V- PA III Scrubber TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - V- PA III Scrubber PM	41.73	31.84	0	100 mg/Nm3	NA
Stack - V- PA III Scrubber SO2	9.76	7.45	0	1700 mg/Nm3	NA
Stack - V- PA III Scrubber NOX	41.46	31.63	0	450 mg/Nm3	NA
Stack - VI- PA Dedusting 1 PM	3.37	34.16	0	150 mg/Nm3	NA
Stack - VI- PA Dedusting 1 TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - VII PA Dedusting 2 PM	3.96	29.45	0	150 mg/Nm3	NA
Stack - VII PA Dedusting 2 TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - VIII PA Dedusting 3 PM	3.33	35.20	0	150 mg/Nm3	NA
Stack - VIII PA Dedusting 3 TOC	0.00	0.00	0	150 mg/Nm3	NA

Stack - IX MA Bagging PM	0.63	23.75	0	150 mg/Nm3	NA
Stack - IX MA Bagging TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - X MA Flaker PM	0.68	24.88	0	150 mg/Nm3	NA
Stack - X MA Flaker TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - XI- DG- PM	4.19	50.07	0	150 mg/Nm3	NA
Stack - XI- DG- SO2	3.69	44.06	0	1700 mg/Nm3	NA
Stack - XI- DG- NOX	3.90	46.53	0	710 mg/Nm3	NA
Stack - XI- DG- CO	1.26	14.99	0	150 mg/Nm3	NA
Stack - XII PA 4 Scrubber TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - XII PA 4 Scrubber PM	42.05	30.65	0	50 mg/Nm3	NA
Stack - XII PA 4 Scrubber SO2	12.60	9.18	0	850 mg/Nm3	NA
Stack - XII PA 4 Scrubber NOX	43.91	32.00	0	350 mg/Nm3	NA
Stack - XIII PA 4 Heater PM	12.22	52.86	0	100 mg/Nm3	NA
Stack - XIII PA 4 Heater SO2	15.07	65.20	0	1700 mg/Nm3	NA
Stack - XIII PA 4 Heater NOX	9.08	39.25	0	450 mg/Nm3	NA
Stack - XIII PA 4 Heater CO	3.54	15.31	0	200 mg/Nm3	NA
Stack - XIV PA Dedusting 4 PM	2.72	31.25	0	150 mg/Nm3	NA
Stack - XIV PA Dedusting 4 TOC	0.00	0.00	0	150 mg/Nm3	NA
Stack - XV DG 2050 KVA PM	4.48	52.25	0	150 mg/Nm3	NA
Stack - XV DG 2050 KVA SO2	4.12	47.97	0	1700 mg/Nm3	NA
Stack - XV DG 2050 KVA NOX	4.26	49.67	0	710 mg/Nm3	NA
Stack - XV DG 2050 KVA CO	1.36	15.83	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
1.2 Tarry residues and still bottoms from distillation	3613.2	3730.39	MT/A
1.6 Spent catalyst and molecular sieves	55.94	23.93	MT/A
5.1 Used or spent oil	16.8	5.2	MT/A
15.2 Discarded asbestos	2.54	0.28	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1228	1046	Nos./Y
36.2 Spent carbon or filter medium	9.69	37.86	MT/A
37.2 Ash from incinerator and flue gas cleaning residue	6.25	2.65	MT/A
1.4 Organic residues	110.89	139.38	MT/A
37.3 Concentration or evaporation residues	402.71	521.29	MT/A
37.1 Sludge from wet scrubbers	2.73	0.37	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.82	1.3	MT/A
35.2 Spent ion exchange resin containing toxic metals	0	4.32	Ltr/A

Other Hazardous Waste	19.32	148.51	MT/A
Other Hazardous Waste	0	18.88	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	3.264	4.25	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Other debris like insulation, packaging materials etc	44.9	20.97	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	178.34	103.42	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	3611.51	3730.39	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
1.2 Tarry residues and still bottoms from distillation	3728.7	MT/A	Viscous (Disposal - Use as fuel heater)
1.6 Spent catalyst and molecular sieves	23.93	MT/A	Solid (Disposal - Sent to CHWTSDF)
5.1 Used or spent oil	5.2	MT/A	Liquid (Disposal - Sale CPCB / MPCB authorized parties Liquid (Disposal - Sale CPCB / MPCB authorized parties)
15.2 Discarded asbestos	0.28	MT/A	Solid (Disposal - Sent to CHWTSDF)
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1046	Nos./Y	Solid (Disposal - Sent to CHWTSDF)
36.2 Spent carbon or filter medium	37.86	MT/A	Solid (Disposal - Sent to CHWTSDF)
35.3 Chemical sludge from waste water treatment	4.201	MT/A	Solid (Disposal - Sent to CHWTSDF)
37.2 Ash from incinerator and flue gas cleaning residue	2.65	MT/A	Solid (Disposal - Sent to CHWTSDF)
1.4 Organic residues	139.38	MT/A	Solid (Disposal-Sent to CHWTSDF) Solid (Disposal-Sent to CHWTSDF)
37.3 Concentration or evaporation residues	522.02	MT/A	Solid (Disposal-Sent to CHWTSDF) Solid (Disposal-Sent to CHWTSDF)

37.1 Sludge from wet scrubbers	0.37	MT/A	Solid (Disposal-Sent to CHWTSDF) Solid (Disposal-Sent to CHWTSDF)
35.2 Spent ion exchange resin containing toxic metals	4.32	Ltr/A	Solid (Disposal-Sent to CHWTSDF) Solid (Disposal-Sent to CHWTSDF)
Other Hazardous Waste	148.51	MT/A	Solid (Disposal-Sent to CHWTSDF) Phthalic Acid Solid (Disposal-Sent to CHWTSDF) Phthalic Acid
Other Hazardous Waste	18.88	MT/A	Solid (Disposal-Sent to CHWTSDF) Sodium Sulphate Solid (Disposal-Sent to CHWTSDF) Sodium Sulphate
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.3	MT/A	Solid (Disposal-Sent to CHWTSDF) Discarded bags used for hazardous chemicals

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Other debris like insulation, packaging materials etc	20.97	MT/A	Solid (Disposal-Sent to CHWTSDF) Solid (Disposal-Sent to CHWTSDF)
Biological Sludge from waste water treatment	103.42	MT/A	Solid (Disposal-Sent to CHWTSDF) 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	87.78	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	Efficient treatment provided.	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Optimization of Cooling Tower blowdown.	Electrolytic system provided.	50

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

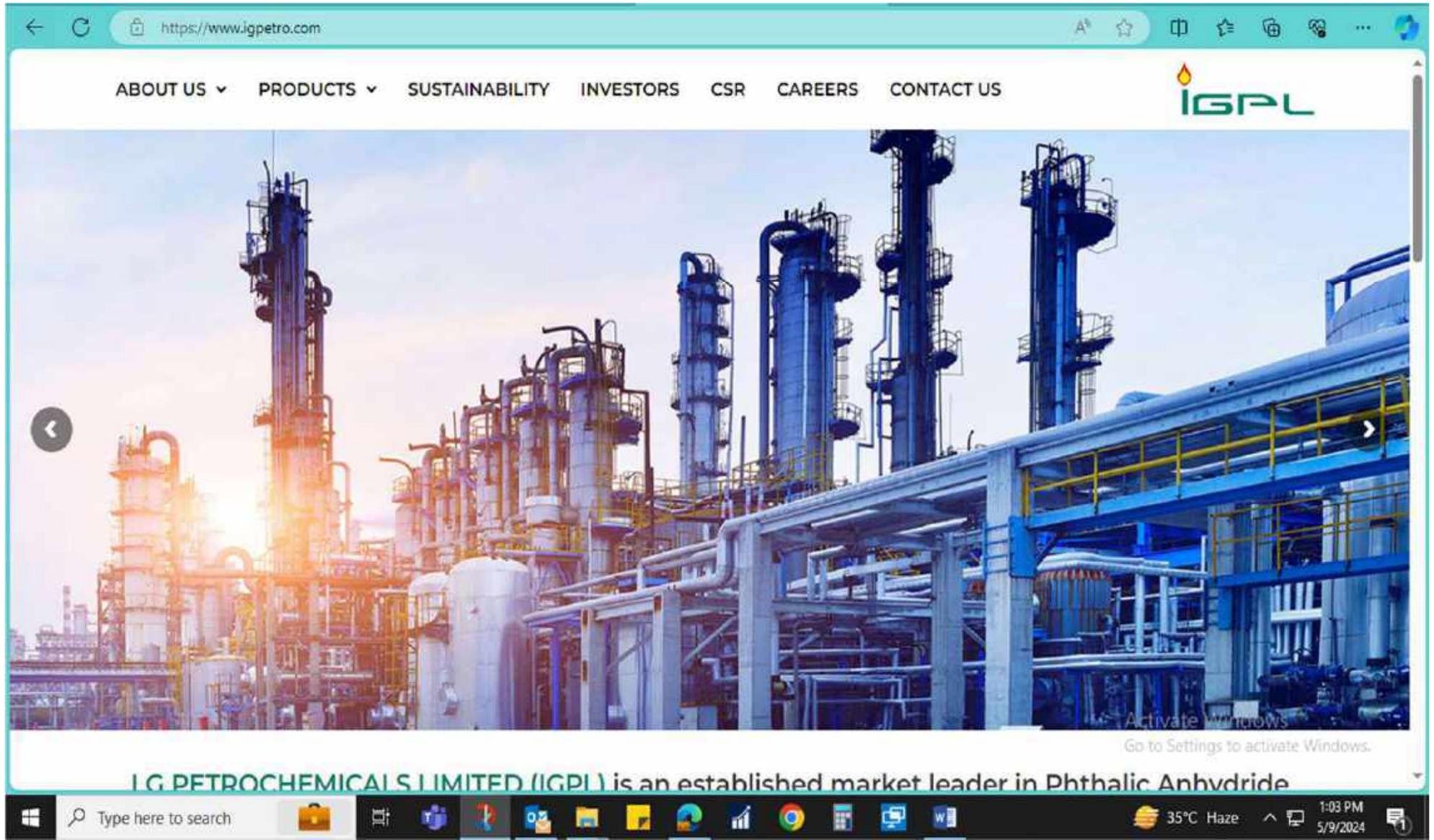
Mr. Sagar Jadhav - Chief Manufacturing Operation

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000059865

Submitted On:

22. Annexure - XXII - IGPL Website Snapshots



The screenshot displays the IGPL website homepage. The browser address bar shows the URL <https://www.igpetro.com>. The navigation menu includes: ABOUT US, PRODUCTS, SUSTAINABILITY, INVESTORS, CSR, CAREERS, and CONTACT US. The IGPL logo is positioned in the top right corner. The main visual is a large photograph of an industrial refinery or chemical plant with tall distillation columns and complex piping, set against a sunset sky. A Windows watermark is visible in the bottom right of the image area. Below the image, the text reads: **IG PETROCHEMICALS LIMITED (IGPL)** is an established market leader in Phthalic Anhydride. The Windows taskbar at the bottom shows the search bar, several application icons, and system information: 35°C Haze, 1:03 PM, 5/9/2024.

About Us

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



Products

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



Quality

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



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.

Activate Windows
Go to Settings to activate Windows



Sustainability

Quality Management Systems

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

Activate Windows
Go to Settings to activate Windows.

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 Employees, Contract employees, Supervisors, Site Contractors and

Activate Windows
Go to Settings to activate Windows

Environmental Policy

We are in the business of manufacturing Phthalic Anhydride, Maleic 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.

Activate Windows
Go to Settings to activate Windows

Click to go back (Alt+Left arrow), hold to see history **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
- 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
- 8EC-COMPLIANCE-APR-2020-TO-SEPT-2020-01122020
- 8EC-COMPLIANCE-APR-2020-TO-SEPT-2020
- 9EC-COMP-REPORT-OCT-2020-TO-MAR-2021-01062020
- 9EC-COMP-REPORT-OCT-2020-TO-MAR-2021
- POST-EC-MOEF-MON-REPORT-SEPT18
- POST-EC-MOEF-MON-REPORT-SEPT18-04052018

Business Responsibility and Sustainability Report

- 2022-23

Activate Windows
Go to Settings to activate Windows



ANNEXURE-XXIII

2/10/18

IG 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

लेखनिक
आवक-जावक
पनवेल शहर महानगरपालिका
पनवेल - रायगड.

ANNEXURE-XXIV

PHOTOS OF PA – IV AND DEP PLANT

HEATER



DISTILLATION



STORAGE TANKS



DEP PLANT



ANNEXURE - XXV

MEE PLANT-



ETP MCC PANEL ROOM-



TRICKLING FILTER-



UF-



RO-1-



RO- 2-



TRICKLING FILTER MCC



UF AND RO BUILDING-



ANNEXURE - XXVI

TREE SURVIVAL REPORT PLANTED AT NITLAS & GHOT CAMP-







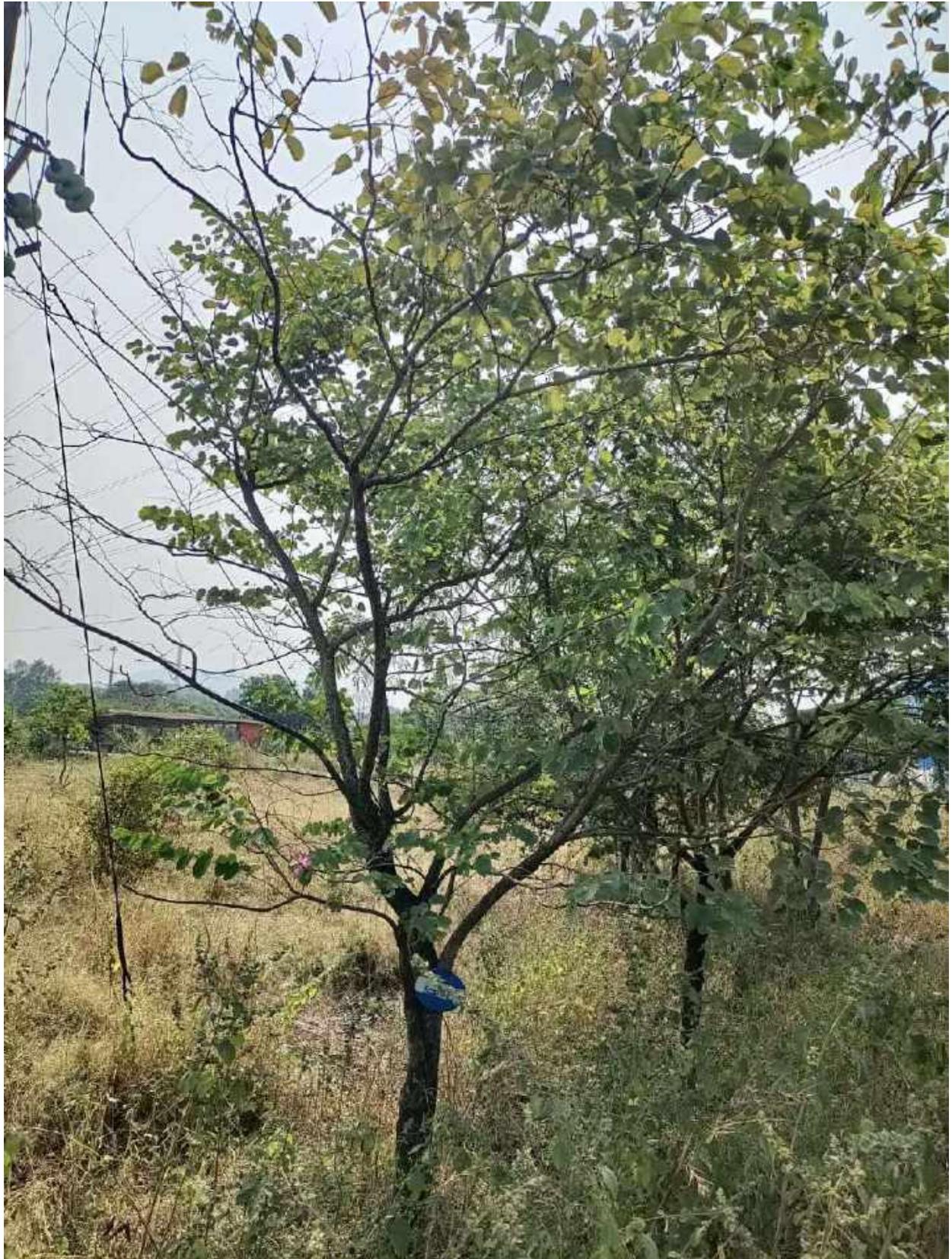




















CIDCO / RAMKY ROAD























