

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	NO
<b>Compliance ID</b>	128730365
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/128730365/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	28-11-2025
<b>RO/SRO Name</b>	Dr G Trinadh Kumar
<b>RO/SRO Email</b>	agmu174.ifs@nic.in
<b>State</b>	GUJARAT
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Gandhi Nagar

**Note:-** SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.

**Half Yearly Compliance Report****2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

<b>Proposal Name</b>		Expansion of agro-chemicals (Pesticides/Herbicides) and bulk drug and pharmaceuticals Manufacturing unit.	
<b>Name of Entity / Corporate Office</b>		Atul Ltd	
<b>Village(s)</b>		N/A	
<b>District</b>		VALSAD	
<b>Proposal No.</b>	NO	<b>Category</b>	Industrial Projects - 3
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	GUJARAT	<b>Entity's PAN</b>	*****2390M
<b>MoEF File No.</b>	F. No. J - 11011/48/2003-IA II (I)	<b>Entity name as per PAN</b>	ATUL LIMITED

**Compliance Reporting Details****Reporting Year** 2025**Remarks (if any)****Reporting Period** 01 Dec(01 Apr - 30 Sep)**Details of Production and Project Area****Name of Entity / Corporate Office** Atul Ltd

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	106.71	106.71
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	106.71	106.71

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Indoflor	Tons per Annum (TPA)	05/08/2031	600	0	600
2	Floral	Tons per Annum (TPA)	05/08/2031	600	0	600
3	Methyl Anthranilate	Tons per Annum (TPA)	05/08/2031	3600	0	3600
4	Benzilydine acetone	Tons per Annum (TPA)	05/08/2031	1200	0	1200
5	Hexenyl Hexenoate, Cis-3	Tons per Annum (TPA)	05/08/2031	300	0	300
6	Sulfur Black	Tons per Annum (TPA)	05/08/2031	30003.96	8470.6	30003.9
7	Azo dyes	Tons per Annum (TPA)	05/08/2031	6600	11.3	6600
8	Sulfur Dyes range	Tons per Annum (TPA)	05/08/2031	300	0	300
9	Naphthol range	Tons per Annum (TPA)	05/08/2031	900	0	900
10	Fast Color Bases	Tons per Annum (TPA)	05/08/2031	480	0	480
11	Disperse dyes	Tons per Annum (TPA)	05/08/2031	1422	175.6	1422
12	Optical Brighteners	Tons per Annum (TPA)	05/08/2031	120	0	120
13	Reactive Dyes	Tons per Annum	05/08/2031	11535.6	173.1	11535.6

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	The project authorities may undertake a survey to assess the impact of gaseous emissions/pollutants on the health including respiratory and digestive system of the population within and vicinity of the plant and report submitted to the State Government and to this Ministry within six months.
<b>PPs Submission:</b> Complied The survey was carried out to assess the impact of emission/pollutants on the health including respiratory and digestive systems of population within and vicinity of the plant. So far no major illness have been identified. Report submitted vide our letter ref. Atul/MoEF/Reg/4 dated August 16, 2004.		Date: 24/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	Fugitive emission in work zone environment, product, raw material storage areas must be regularly monitored. The company should install alkali scrubbers for scrubbing of HCl. pH of the scrubber tank should be monitored regularly. Liquid effluent generated from the scrubber should be sent to effluent treatment plant. All the process equipment/reaction vessels should be connected with central exhaust system. Further measures should be taken to reduce the losses of solvents. Cooling arrangement should be made for all the solvent storage tanks to minimize evaporation losses. The company should monitor VOCs from the incinerator and data submitted regularly to SPCB and Ministry of Environment and forests.
<b>PPs Submission:</b> Complied Fugitive emissions in the work zone environment and raw material storage area is being regularly monitored through NABL accredited and MoEF approved agency.		Date: 26/11/2025
3	AIR QUALITY MONITORING AND PRESERVATION	Ambient air quality monitoring Station should be set up in down wind direction as well as where max. ground level concentration of SPM anticipated in consultation with the state pollution control board.
<b>PPs Submission:</b> Complied 10 Ambient air quality monitoring station have been set up in down wind direction as well as where max. ground level concentration of SPM anticipated in consultation with GPCB.		Date: 26/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> , and HCl) and particulate matters from various process units should conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.
<b>PPs Submission:</b> Complied The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> , and HCl) and particulate matters from various process units confirms to the standards prescribed by GPCB through CCA. Reply uploaded.		Date: 26/11/2025
5	MISCELLANEOUS	As per the policy decision taken vide this Ministry's circular no. J-21011/8/98- IA II (I) dated 14th May 2002 and 23rd June, 2003, the company shall earmark a separate fund i.e. 1% of the total cost of the project (Rs. 25 Crores) for eco-development measures including community welfare measures in the project area. The amount shall be

		deposited within three months in a separate account to be maintained by GPCB. The plans in this regard should be submitted to the SPCB as well as to the Ministry within three months of issue of this letter. After approval of the action plan by GPCB, the amount deposited will be released to the project authorities in two installments based on the progress of implementation.
<b>PPs Submission:</b> Complied We had submitted the Eco fund earmarked for eco development to GPCB with an intimation to MoEF vide our letter NRK/ECC/GPCB/3 dated May 17, 2004. Action plan related to Eco-fund also made as per process and communicated to authority vide our letter Atul/ECC/GPCB/ECO-fund/2 dated November 2, 2004. Copy of same again submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.		Date: 26/11/2025
6	MISCELLANEOUS	The destructive efficiency of the incinerator should be assessed by an agency like CPCB and a report submitted to the Ministry.
<b>PPs Submission:</b> Complied The destructive efficiency of the incinerator was assessed by M/s. SGS, a reputed agency in field on environmental monitoring. Report already submitted vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.		Date: 26/11/2025
7	WASTE MANAGEMENT	As reflected in the EIA/EMP report, the solid waste and ETP sludge should be incinerated and incinerator ash should be disposed off in the landfill facility within the plant premises. The ground water quality in and around the unit and the hazardous waste storage site should be regularly monitored and the data recorded to ensure that there is no contamination of the groundwater.
<b>PPs Submission:</b> Complied ETP waste is disposed into our TSDF instead of incineration for which we have taken permission from MoEF vide letter dated May 6, 2004 and same is also approved by GPCB through our CCA. We also send our incinerable waste for co-processing as per GPCB approval given through our CCA.		Date: 26/11/2025
8	WATER QUALITY MONITORING AND PRESERVATION	The Company should also Set up a separate online fish pond using treated effluent, to ensure that the quality of treated effluent discharged into the par estuary does not have any adverse impact on the aquatic life. The effluent quality at the discharge point must also be monitored periodically by an independent agency authorized by CPCB and report of the independent agency should be submitted to the Ministry's Regional office at Bhopal/CPCB/GPCB
<b>PPs Submission:</b> Complied We have set up a separate online fish pond using treated effluent at our ETP. The effluent quality at the ETP discharge point is regularly being monitored by the Environmental auditors appointed by GPCB.		Date: 26/11/2025
9	WATER QUALITY MONITORING AND PRESERVATION	The company should develop rainwater harvesting structures to the harvest the run-off water from the rooftops and by laying a separate storm water drains system for recharge of ground water and to reduce the drawl from the river Par.
<b>PPs Submission:</b> Complied Company has harvest 11.02 Lakh KL rain water during 2025.		Date: 26/11/2025
10	WATER QUALITY MONITORING AND PRESERVATION	The effluent generation should not exceed 1191 m3/day (936 m3/d of process effluent and 255 m3/d of domestic effluent). The effluent should be segregated at source of generation. The Concentrated effluent stream should be incinerated and non-concentrated effluent

		after tertiary treatment should be discharged into the CETP. The treated effluent should be discharged into estuary zone of river Par through 4.0 km long HDPE pipe line only after it meets the standards stipulated by the Gujarat Pollution Control Board/EPA rules. The domestic waste water should be disposed off through septic tank / soak pit system.
<b>PPs Submission:</b> Complied We have received latest EC vide Environmental clearance dated June 16, 2023, we request to consider latest figures given in same. According to specific condition of EC F No. J 11011/108/2015-IA-II-(I) dated June 16, 2023, Industrial waste water generation shall not exceed 34560.25 m3/d.		Date: 26/11/2025
11	Statutory compliance	The company should comply with the provisions of coastal Regulation Zone Notification of 1991 and Coastal Zone Management Plan of Gujarat. Further, specific conditions stipulated by the Forest and Environment Department, Government of Gujarat vide its letter No. ENV-1097-2942-P dated 27th January, 1998 for laying of pipe line for discharge of treated effluents through the estuary zone of the River Par Zone should be strictly adhered to.
<b>PPs Submission:</b> Complied Detailed compliance report is already submitted to the Ministry vide our letter our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.		Date: 28/11/2025
12	Human Health Environment	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
<b>PPs Submission:</b> Complied Occupational health surveillance of the workers is being done on regular basis and record maintained as per the factory act.		Date: 26/11/2025
13	GREENBELT	The Company should developed a green belt in an 25% of the plant area as per the CPCB guidelines.
<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken project named Sanjeevani this year also and planted 1.76 lac trees of more than 50 species at all its locations globally.		Date: 26/11/2025
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	The stipulated conditions will be monitored by the Regional office of this Ministry at Bhopal/ GPCB. A six monthly compliance report and the monitored data should be submitted to them regularly.
<b>PPs Submission:</b> Complied Six monthly compliance report and the monitored data are regularly submitted to the Regional office of MoEFCC at integrated regional office, Gandhinagar through mail and also submitted through portal.		Date: 26/11/2025
2	MISCELLANEOUS	The project authorities will provide adequate funds to recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forest 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 purposes.
<b>PPs Submission:</b> Complied EMP measures are already implemented . Recurring cost: A separate budget is being allocated every year to comply with all the legal requirement stipulated by SPCB, CPCB and MoEF. Details uploaded.		Date: 26/11/2025
3	MISCELLANEOUS	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 of Environment and Forest at <a href="http://www.envfor.ni.in">http://www.envfor.ni.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspaper 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 Ministry's Regional office at Bhopal.
<b>PPs Submission:</b> Complied We informed the public through advertisement and by sending our EC to local Panchayat, Zila parishad, District Industrial Centre. Advertisement was published as directed and copy of the same was submitted to Ministry.		Date: 26/11/2025
4	AIR QUALITY MONITORING AND PRESERVATION	At no time, the emissions should not go beyond 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.
<b>PPs Submission:</b> Complied We are also doing offline monitoring at regular interval (Monthly) through NABL accredited and MoEF approved agency. At no time, the emissions exceeded the prescribed limits during report period. No such incident happened during compliance period.		Date: 26/11/2025
5	Noise Monitoring & Prevention	The overall noise level in and around the plant area shall be kept well within the standard by providing noise control measures including acoustic hoods silencers, enclosures etc. on all source of noise generation. The ambient noise levels should confirm to the standards prescribed under EPA Rules, 1989, viz. 75 (daytime) and 70bBA(night time).
<b>PPs Submission:</b> Complied Acoustic hood, silencer and acoustic enclosures and insulation are provided at appropriate high noise area like turbine, DG set, vents etc. at no time the noise emission level went beyond the stipulated standards. Result Uploaded		Date: 26/11/2025
6	WASTE MANAGEMENT	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 & Handling) Rules, 2003. Authorization from the GPCB must be obtained for collections /treatment/ storage/ disposal of hazardous waste.
<b>PPs Submission:</b> Complied The company complies with the Hazardous and Other Wastes(Management and Transboundary Movement) Rule2016, We have valid authorization under our current CCA order no. AWH-148423		Date: 26/11/2025
7	Statutory compliance	The project authorities must strictly adhere to stipulations made by GPCB.

**PPs Submission:** Complied

The company adheres to the compliances and has not exceeded the stipulation. This has been certified by our Environmental auditors, an authorized agency and nominated by GPCB; through Environmental audit every year.

Date:  
26/11/2025

**Visit Remarks****Last Site Visit Report Date:**

24/04/2017

**Additional Remarks:**

**Note:** This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.



Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	J -11011/85/2009-IA II (I)
<b>Compliance ID</b>	438446178
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/438446178/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	28-11-2025
<b>RO/SRO Name</b>	Dr G Trinadh Kumar
<b>RO/SRO Email</b>	agmu174.ifs@nic.in
<b>State</b>	GUJARAT
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Gandhi Nagar

**Note:-** SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.

**Half Yearly Compliance Report  
2025  
01 Dec(01 Apr - 30 Sep)**

**Acknowledgement**

<b>Proposal Name</b>		Expansion of Pesticide and Synthetic Organic Chemicals manufacturing unit	
<b>Name of Entity / Corporate Office</b>		Atul Ltd	
<b>Village(s)</b>		N/A	
<b>District</b>		VALSAD	
<b>Proposal No.</b>	J -11011/85/2009-IA II (I)	<b>Category</b>	Industrial Projects - 3
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	GUJARAT	<b>Entity's PAN</b>	*****2390M
<b>MoEF File No.</b>	File No : J - 11011/85/2009-IA II (I)	<b>Entity name as per PAN</b>	ATUL LIMITED

**Compliance Reporting Details**

**Reporting Year** 2025  
**Remarks (if any)**  
**Reporting Period** 01 Dec(01 Apr - 30 Sep)

**Details of Production and Project Area**

<b>Name of Entity / Corporate Office</b> Atul Ltd		
	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	106.71	106.71
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	106.71	106.71

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Pyrazole Base	Tons per Annum (TPA)	05/08/2031	126	0	126
2	Sulphanilic acid	Tons per Annum (TPA)	05/08/2031	300	0	300
3	Hexamine	Tons per Annum (TPA)	05/08/2031	1800	0	1800
4	Epoxy Intermediates	Tons per Annum (TPA)	05/08/2031	285.6	40.6	285.6
5	Hardener Intermediates	Tons per Annum (TPA)	05/08/2031	8400	1820	8400
6	Bisphenol S and Intermediate Chemicals	Tons per Annum (TPA)	05/08/2031	199.2	0	199.2
7	Sodium Thio sulphate (dry basis)	Tons per Annum (TPA)	05/08/2031	30000	7189.9	30000
8	Sodium Thio sulphate (wet basis)	Tons per Annum (TPA)	05/08/2031	63600	0	63600
9	HX-13059 (1-(2,4-dichlorophenyl)-N-(2,4-difluorophenyl)-5-oxo-N-(propan-2-yl)-1,5-dihydro-4H-1,2,4-t	Tons per Annum (TPA)	05/08/2031	60	0	60
10	Alkyl ketene dimer	Tons per Annum (TPA)	05/08/2031	6000	0	6000
11	Anisole	Tons per Annum (TPA)	05/08/2031	3672	652.38	3672
12	Azo dyes	Tons per Annum (TPA)	05/08/2031	6600	11.3	6600
13	Buprofezin	Tons per Annum (TPA)	05/08/2031	48	0	48
14	Cyhalofop	Tons per Annum (TPA)	05/08/2031	9.96	0	9.96
15	Mesotrione	Tons per Annum (TPA)	05/08/2031	3600	0	3600
16	Sulfur Black	Tons per Annum (TPA)	05/08/2031	30003.96	8470.6	30003.96

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	The project authority shall provide chilled brine solution in secondary condenser for condensation of the VOCs. The project authority shall ensure that solvent recovery shall not be less than 95% The VOC monitoring shall be carried in the solvent storage area and data submitted to the Ministry.
<b>PPs Submission:</b> Complied All the VOCs/solvent recovery systems are attached with chilled brine solution in secondary condenser for condensation of VOCs. On an average solvent recovery is 96 percent . We are monitoring VOC as well as other chemicals in work area as per Factories Act and records are being maintained in Form No. 37.		Date: 26/11/2025
2	MISCELLANEOUS	Solvent management shall be as follows: Reactor shall be connected to chilled brine condenser system. Reactor and solvent handling pump shall have mechanical seals to prevent leakages. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. Solvents shall be stored in a separate space specified with all safety measures. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
<b>PPs Submission:</b> Complied a)Condensers with chilling systems are provided at point of Solvent recovery to minimized vapour loss. b)We have provided seals at all Reactors and pumps in order to prevent leakage. c) Spent solvents are recovered as far as possible all venting equipment are provided with condenser system and scrubber provided with Sufficient Heat Transfer Area (HTA) which helps to achieved more than 95 percent recovery. d) We have made separate provision for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures. e) Earthing pit is provided in all electrical equipment wherever solvent handling is done. f) Entire plant is flame proof installations, storage tanks are provided with breather valve for all prevention of losses. Separate provision is made for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures.		Date: 26/11/2025
3	MISCELLANEOUS	The company shall harvest surface as well as rain water from the roof tops of the building and storm water drain to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
<b>PPs Submission:</b> Complied Company has harvest 11.02 Lakh KL rain water during 2025.		Date: 26/11/2025
4	GREENBELT	Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. Company shall develop an area of 33% green belt and selection of plant species shall be as per the guideline of CPCB.
<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken project named Sanjeevani this year also		Date: 26/11/2025

and planted 1.76 lac trees of more than 50 species at all its locations globally.		
5	WATER QUALITY MONITORING AND PRESERVATION	Industrial Waste water generation shall not exceed 17,283 m3/d. 23 m3/d High COD effluent shall be incinerated. 97 m3/d High TDS effluent shall be evaporated through MEE Total quantity of 17283 m3/d shall be treated at company's own effluent treatment plant. Final Discharge of Treated effluent is being discharge into river par through 4 km line constructed by M/s Atul. Ammonia bearing effluent shall be subject to ammonia recovery before mixing with normal effluent stream. Phenol will be recovered from phenol containing effluent. The treated effluent shall confirm the discharge norms. The domestic effluent shall be disposed off through septic tank / soak pit.
<b>PPs Submission:</b> Complied since we have received latest EC vide Environmental clearance dated June 16, 2023, we request to consider latest figures given in same. According to specific condition of EC F No. J 11011/108/2015-IA-II-(I) dated June 16, 2023, Industrial waste water generation shall not exceed 34560.25 m3/d. Details uploaded		Date: 26/11/2025
6	WATER QUALITY MONITORING AND PRESERVATION	The company shall adopt cleaner production technology to minimize the quantity of fresh water requirement and process effluent generation.
<b>PPs Submission:</b> Complied Best efforts in practice to reduce freshwater. We have already converted few of our plants as ZLD.		Date: 26/11/2025
7	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
<b>PPs Submission:</b> Complied Occupational health surveillance of the workers is carried out on a regular basis as per section-41 C of the factories act and rule-68T of Gujarat Factories Rules and records are maintained. Regular medical check-up of all employees are done by in-house doctors.		Date: 26/11/2025
8	AIR QUALITY MONITORING AND PRESERVATION	The company shall upload the status of compliance of stipulated environmental clearance conditions including results of monitored data on its web site. Status of compliance of stipulated environmental clearance conditions to be sent to Regional office of MoEF, the respective Zonal office of CPCB and the state pollution control board. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as Stack emissions) or critical sectorial parameters like VOC, indicated for the project shall be monitored and displayed at a convenient location near the main gate of company in the public domain.
<b>PPs Submission:</b> Complied The status of compliance of stipulated environmental clearance conditions including results of monitored data is posted on our web site www.atul.co.in. The critical pollutants parameters namely; SPM, RSPM, SO2, NOx are monitored regularly on monthly basis and displayed at board at the company entrance.		Date: 26/11/2025
9	AIR QUALITY MONITORING AND PRESERVATION	Fugitive emissions in the work zone environment, product, raw material storage area shall be regularly monitored. The emission shall conform to the limits imposed by I.
<b>PPs Submission:</b> Complied Fugitive emissions in the work zone environment and raw material storage area is being regularly monitored through NABL accredited and MoEF approved agency.		Date: 26/11/2025

10	AIR QUALITY MONITORING AND PRESERVATION	The process emissions (SO <sub>2</sub> , NH <sub>3</sub> , Cl <sub>2</sub> , and HCl, shall be scrubbed with Scrubbers. The emission shall be dispersed through stack of adequate height as per CPCB standard. The gaseous emission from the DG sets shall be dispersed through stack of adequate height as per CPCB standards. Acoustic enclosures shall be provided to the DG set to control the noise pollution.
<b>PPs Submission:</b> Complied All the SO <sub>2</sub> ,NH <sub>3</sub> ,Cl <sub>2</sub> , and HCl vents are being routed through adequate and properly designed scrubbing system. Stack eight. adequate. Acoustic enclosures provided in DG set.		Date: 26/11/2025
11	WASTE MANAGEMENT	The company shall undertake waste minimization measures : Metering and control of quantities of active ingredients to minimize waste. Reuse of by products from the process as raw materials or as raw material substitutes in other processes. Use of automated filling to minimize spillage. Use of 'close feed' system into batch system. Venting equipment through vapor recovery system. Use of high pressure hoses for equipment cleaning to reduce wastewater generation.
<b>PPs Submission:</b> Complied All the liquid ingredients are being charged through measure vessels and/or flowmeters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weighment only. Details uploaded.		Date: 26/11/2025
12	WASTE MANAGEMENT	The company shall obtain Authorization for Collection; Storage and Disposal of Hazardous waste under the hazardous waste management (Handling and trans boundary movement rule-2008) for management of hazardous waste and prior permission from GPCB shall be obtained for disposal of solid waste in the TSDF. The concerned company shall undertake measures for the firefighting facility in case of emergency.
<b>PPs Submission:</b> Complied We have obtained authorization for our own TSDF through GPCB notification no. GPCB/HAZ/GEN-55/9647dated13.03.2000and NOC no. CTE-65621dated19.11.2004.Also we have valid CCA order no. AWH-148423		Date: 26/11/2025
13	Statutory compliance	The project authorities shall strictly comply with the rules and guidelines under manufacturing, storage and import of hazardous chemicals rule 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous chemicals shall be as per the MVA, 1989.
<b>PPs Submission:</b> Complied We are complying with MSIHCrule1989 as amended and having proper storage and handling system, Onsite emergency plan, Licenses, Transportation of Hazardous chemicals are being done as per MVA, 1989		Date: 26/11/2025
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

<b>PPs Submission:</b> Complied We ensure that there is no further expansion or modifications related to EC in the plant. For any deviations or alteration in the plant we will opt prior permission from MoEF.		Date: 26/11/2025
2	MISCELLANEOUS	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closures and final approval of the project by the concerned authorities and the date of start of the project.
<b>PPs Submission:</b> Complied Informed through EC compliance report. Start date: May 2009Completion date:May 2010		Date: 26/11/2025
3	MISCELLANEOUS	A Separate environmental management cell equipped with full flagged laboratory facility shall be set up to carry out the environmental management and monitoring function.
<b>PPs Submission:</b> Complied Company is having separate Environmental Management Cell equipped with full - fledged laboratory facility to carry out the environment management and monitoring functions.		Date: 26/11/2025
4	MISCELLANEOUS	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila parishad/Municipal Corporation. Urban local body and the local NGO, if any, from who suggestions/representation, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
<b>PPs Submission:</b> Complied Latest submission to the Panchayat, Zila parishad, District Industrial Centre was distributed on 11.11.2016.Copy of the same was submitted to Ministry vide letter Atul/SHE/MoEF/Visdated 4.4.17		Date: 26/11/2025
5	MISCELLANEOUS	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 of Environment and Forest at <a href="http://www.envfor.ni.in">http://www.envfor.ni.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspaper 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 Ministry's Regional office at Bhopal.
<b>PPs Submission:</b> Complied We informed the public through advertisement and by sending our EC to local Panchayat, Zilaparishad, District Industrial Centre for further actions at their end. same was submitted to Ministry.		Date: 26/11/2025
6	MISCELLANEOUS	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forest 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 purposes.
<b>PPs Submission:</b> Complied We informed the public through advertisement and by sending our EC to local Panchayat, Zilaparishad, District Industrial Centre for further actions at their end. same was submitted to Ministry.		Date: 26/11/2025
7	MISCELLANEOUS	The company shall undertake eco developmental measures

		including community welfare measures in the project area for the overall improvement of the environment.
<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of nearby localities. List of CSR activities is attached.		Date: 26/11/2025
8	MISCELLANEOUS	The implementation of the project vis-à-vis environmental action plan shall be monitored by Ministry's Regional office at Bhopal / SPCB / CPCB.
<b>PPs Submission:</b> Complied SPCB and MoEF is monitoring through their regular visits.		Date: 26/11/2025
9	AIR QUALITY MONITORING AND PRESERVATION	Dedicated Scrubbers and stacks of appropriate height as per the central pollution control board guideline shall be provided to control the emission from various vents. The scrubber water shall be sent to ETP for further treatment or sell to actual end users.
<b>PPs Submission:</b> Complied Dedicated scrubbers with stacks of appropriate height (as per CPCB guideline) have been provided to control the emission from various vents. The scrubber water is being sent to ETP for further treatment		Date: 26/11/2025
10	AIR QUALITY MONITORING AND PRESERVATION	The Location of ambient air quality monitoring stations shall be decided in consultation with state pollution control Board and it shall be ensured that at least one station is installed in the up wind and downwind direction as well as where maximum ground level concentration are anticipated
<b>PPs Submission:</b> Complied 10 Ambient air quality monitoring station have been set up in downwind direction as well as where max. ground level concentration of SPM anticipated in consultation with GPCB. Details attached.		Date: 26/11/2025
11	AIR QUALITY MONITORING AND PRESERVATION	The Gaseous emission (NOx, HCl, SO2 and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels 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 restricted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO2, NOx and SPM shall be carried.
<b>PPs Submission:</b> Complied The gaseous emissions (SO2, NOx, and HCl) and particulate matters from various process units confirms to the standards prescribed by GPCB through CCA. Details of stack results uploaded.		Date: 26/11/2025
12	AIR QUALITY MONITORING AND PRESERVATION	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the units, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
<b>PPs Submission:</b> Complied Monthly monitoring is being done by NABL approved third party. No such case happened during compliance period. Stack result uploaded.		Date: 26/11/2025
13	Risk Mitigation and Disaster Management	Usage of PPE's by employee/ workers shall be ensured.



<b>PPs Submission:</b> Complied Company have PPE policy in place and is strictly followed. Company is providing adequate PPEs to all the employees.		Date: 26/11/2025
14	Noise Monitoring & Prevention	The overall noise level in and around the plant area shall be kept well within the standard by providing noise control measures including acoustic hoods silencers, enclosures etc. on all source of noise generation. The ambient noise level shall confirm to the standards prescribed under Environment( Protection) Act-1986 Rules,1989 viz 75 dBA (day time) and 70 dBA (night time)
<b>PPs Submission:</b> Complied In built acoustic enclosure, silencer and insulation provided on all source of noise generation like turbine, DG set, etc. Results uploaded.		Date: 26/11/2025
15	Human Health Environment	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examination for all employees shall be undertaken on regular basis.
<b>PPs Submission:</b> Complied Company is imparting training to all new employees as well as regular employees at regular intervals on safety and health aspects of chemicals handling. Detailed reply attached		Date: 26/11/2025
16	Risk Mitigation and Disaster Management	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in project report submitted to the ministry. All the recommendation made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.
<b>PPs Submission:</b> Complied Company has complied with all the environmental protection measures and safe guards proposed in there port apart from there commendations made their in.		Date: 26/11/2025
17	Statutory compliance	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.
<b>PPs Submission:</b> Complied The company adheres to the compliances and has not exceeded the stipulation. This has been certified by our Environmental auditors, an authorized agency and nominated by GPCB; every year. Latest Environmental audit report by Man Made Textile Research Association , Surat for year 2024-25 is attached.		Date: 26/11/2025
18	Corporate Environmental Responsibility	The company will undertake all relevant measures for improving the socio economic condition for the surrounding area, CSR activities will be undertaken by involving local villages and administration:
<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of nearby localities. List of CSR activities is attached. Complied		Date: 26/11/2025
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>		24/04/2017
<b>Additional Remarks:</b>		
<b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be		

considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	SEIAA GUJ EC 1(d) 340 2016
<b>Compliance ID</b>	387240778
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/387240778/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	28-11-2025
<b>RO/SRO Name</b>	Dr G Trinadh Kumar
<b>RO/SRO Email</b>	agmu174.ifs@nic.in
<b>State</b>	GUJARAT
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Gandhi Nagar

**Note:-** SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.

**Half Yearly Compliance Report****2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

<b>Proposal Name</b>	Setting up of an additional captive power plant of 22 MW within the existing chemical manufacturing complex		
<b>Name of Entity / Corporate Office</b>	Atul Ltd		
<b>Village(s)</b>	N/A		
<b>District</b>	VALSAD		
<b>Proposal No.</b>	SEIAA GUJ EC 1(d) 340 2016	<b>Category</b>	Thermal Projects
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	GUJARAT	<b>Entity's PAN</b>	*****2390M
<b>MoEF File No.</b>	File No : SEIAA GUJ EC 1(d) 340 2016	<b>Entity name as per PAN</b>	ATUL LIMITED

**Compliance Reporting Details****Reporting Year** 2025**Remarks (if any)****Reporting Period** 01 Dec(01 Apr - 30 Sep)**Details of Production and Project Area****Name of Entity / Corporate Office** Atul Ltd

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	106.71	106.71
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	106.71	106.71

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Naphthol range	Tons per Annum (TPA)	05/08/2031	900	0	900
2	Optical Brighteners	Tons per Annum (TPA)	05/08/2031	120	0	120
3	Reactive Dyes	Tons per Annum (TPA)	05/08/2031	11535.6	173.1	11535.6
4	Fast Color Bases	Tons per Annum (TPA)	05/08/2031	480	0	480
5	Indigo	Tons per Annum (TPA)	05/08/2031	6000	0	6000
6	Sulfur Black	Tons per Annum (TPA)	05/08/2031	30003.96	8470.6	30003.96
7	Sulfur Dyes range	Tons per Annum (TPA)	05/08/2031	300	0	300
8	Disperse dyes	Tons per Annum (TPA)	05/08/2031	1422	175.6	1422
9	Manganese sulphate	Tons per Annum (TPA)	05/08/2031	12000	4681.66	12000
10	Vat dyes	Tons per Annum (TPA)	05/08/2031	1260	899.2	1260
11	40 percent Manganese sulphate solution	Tons per Annum (TPA)	05/08/2031	30000	0	30000
12	Pigments	Tons per Annum (TPA)	05/08/2031	2400	0	2400
13	1-Aminoantraquinone	Tons per Annum (TPA)	05/08/2031	5004	0	5004
14	H-acid	Tons per Annum (TPA)	05/08/2031	6000	0	6000
15	4-amino-phenyl-4-beta hydroxy ethyl sulphone sulphate ester, Para base ester	Tons per Annum (TPA)	05/08/2031	10008	0	10008
16	DNCB (Di Nitro ChloroBenzene)	Tons per Annum (TPA)	05/08/2031	10008	0	10008

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	WASTE MANAGEMENT	Hazardous waste sludge shall be packed stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.
<b>PPs Submission:</b> Complied There is only one Hazardous waste from the project i.e. Used oil. It is stored in drum. The same was given to GPCB authorized vendors only in line with the regulation		Date: 26/11/2025
2	WASTE MANAGEMENT	All possible efforts shall be made for co-processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
<b>PPs Submission:</b> Complied There is only one Hazardous waste from the project i.e. Used oil. It is stored in drum. The same was given to GPCB authorized vendors only in line with the regulation.		Date: 26/11/2025
3	WASTE MANAGEMENT	The used oil shall be sold to only to the registered recyclers / refiners
<b>PPs Submission:</b> Complied Used oil is being sold to GPCB authorized vendor only.		Date: 26/11/2025
4	WASTE MANAGEMENT	For storage of fly ash closed silos of adequate capacity shall be provided. No ash pond shall be construed in the project.
<b>PPs Submission:</b> Complied We have three closed silo of 200 MT and Two silo of 300 MT capacity of each, total 1200 MT capacity. No ash pond is construed in the project.		Date: 26/11/2025
5	WASTE MANAGEMENT	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance from time to time. Authorization from the GPCB shall be obtained for collection /treatment /storage disposal of hazardous waste.
<b>PPs Submission:</b> Complied There is only one Hazardous waste from the project i.e. Used oil. The same was given to GPCB authorized vendors only in line with the regulation. We have valid CCA order no. AWH-148423 which is valid till August 05, 2031		Date: 26/11/2025
6	WASTE MANAGEMENT	The discarded containers / barrels /bags/ liners shall be sold only to the registered recycler.
<b>PPs Submission:</b> Complied No bags / liners are being utilized for Power Plant.		Date: 26/11/2025
7	WASTE MANAGEMENT	The fly ash shall be supplied to the manufacturers of fly ash based products such as cement, concrete blocks, bricks, panels, etc. The unit shall strictly comply with the Fly Ash Notification under EPA and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

<b>PPs Submission:</b> Complied Fly ash is being given to cement and bricks manufacturers unit. We are strictly complying fly ash notification under EPA and we are ensuring that that is 100 percent utilization of fly ash to be generated from the unit.		Date: 27/11/2025
8	WASTE MANAGEMENT	Ash shall be handled only in dry state.
<b>PPs Submission:</b> Complied We are handling ash only in dry state. Sold to cement and brick manufacturer.		Date: 27/11/2025
9	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall submit the detailed study report to Gujarat Pollution Control Board (GPCB) at least once in a year, through the reputed institute or university to assess the impacts on soil and ground water quality, if any due to application of waste water generation from the CPP and shall adopt the additional mitigation measures as may be suggested through such studies.
<b>PPs Submission:</b> Complied Ground water and soil quality is being checked regularly for in and around the unit through NABL accredited and MoEF approved agency.		Date: 27/11/2025
10	WATER QUALITY MONITORING AND PRESERVATION	There shall be no discharge of industrial effluent from the proposed project in any case.
<b>PPs Submission:</b> Complied Our CPP unit is achieved ZLD. No Discharge of industrial effluent from the project in any case Complied		Date: 27/11/2025
11	WATER QUALITY MONITORING AND PRESERVATION	All measures shall be taken to prevent soil and ground water contamination
<b>PPs Submission:</b> Complied Kindly note that we are not extracting ground water as a source of water for the referred project. We have adequate control measured for any leakages from the plant to prevent groundwater contamination. We are ensuring that solid waste is stored in identified solid hazardous waste storage area, provided with covered shed, impervious flooring and leachate collection facility to prevent soil contamination. We are regularly monitoring ground water and soil quality through NABL accredited and MoEF approved agency to access the impacts on soil and ground water quality. The study shows that there is no soil and ground water contamination found.		Date: 27/11/2025
12	WATER QUALITY MONITORING AND PRESERVATION	The fresh water requirement for the proposed expansion shall not exceed 2095 KL/day and it shall be met through the existing water supply system from River par.
<b>PPs Submission:</b> Complied The average water consumption for the report period is 269 KL/day only which is well within the permissible limit of 2095 KL/Day.		Date: 27/11/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The industrial effluent generation from the proposed expansion shall not exceed 270 KL/day and entire quantity of effluent shall be utilized for ash quenching, dust suppression, fire hydrant make up, gardening plants, floor cleaning.
<b>PPs Submission:</b> Complied The average wastewater generation for the report period is 14 KL/day only which is well within the prescribed limit of 270 KL/Day and entire waste water quantity is utilized / reused after giving		Date: 27/11/2025

neutralization and RO treatment.		
14	WATER QUALITY MONITORING AND PRESERVATION	Metering of water shall be done and its records shall be maintained. No ground water shall be tapped in any case for meeting the project requirements.
<b>PPs Submission:</b> Complied Magnetic water flow meter is installed at inlet line of ETP and reuse line (outlet) at RO permeate line. Its records are regularly maintained.		Date: 27/11/2025
15	WATER QUALITY MONITORING AND PRESERVATION	Domestic waste water generation shall not exceed 1 KL/day Which shall be disposed of into soak system.
<b>PPs Submission:</b> Complied Domestic water generation in not exceeding the prescribed limit of EC during report period. The average wastewater generation for the report period is 0.34 KL/day only which is well within the limit. Domestic waste water disposed through septic tank system.		Date: 27/11/2025
16	WATER QUALITY MONITORING AND PRESERVATION	The unit shall provide metering facility at the inlets and outlets of the collection cum reuse system of waste water and maintain records of the same.
<b>PPs Submission:</b> Complied Magnetic Flow Meter is provided at the inlet of the collection tank and reuse system of waste water and records are being maintained.		Date: 27/11/2025
17	WATER QUALITY MONITORING AND PRESERVATION	Proper logbooks of waste water reuse system showing quantity and quality of effluent reused shall be maintained and furnished the GPCB from time to time.
<b>PPs Submission:</b> Complied We are properly maintaining logbook of water consumption, waste water generation and reuse data showing quantity and quality of effluent. The data is furnished through EC compliance reports to GPCB.		Date: 27/11/2025
18	AIR QUALITY MONITORING AND PRESERVATION	Unit shall comply the emission standards mentioned in the Notification by MOEF&CC vide S.O. 3305(E) dated 07/12/2015.
<b>PPs Submission:</b> Complied We ensure that at no time the emission level will go beyond the stipulated standards / prescribed limits.		Date: 27/11/2025
19	AIR QUALITY MONITORING AND PRESERVATION	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained
<b>PPs Submission:</b> Complied We are using Indian coal or Imported coal and lignite in different proposition as per availability. We are regularly monitor and analyze the proximate andultimate analysis of coal / Lignite which show percent Ash content, GCV, Sulphur content and heavy metal present in coal /lignite. Ash Content: 30 - 35 percent (Indian Coal), 10 - 12 percent(Imported coal) Sulphur Content less then 0.1 percent (Indian Coal), less then 0.2 percent (Imported coal)		Date: 27/11/2025
20	AIR QUALITY MONITORING AND PRESERVATION	Height of flue gas stacks attached to boilers shall be minimum 74.58 meters.



<b>PPs Submission:</b> Complied Height of the stack is 106 meters. The emission is dispersed through adequate height of stacks as per CPCB standard as given below: Stack No. Stack attached to Stack Height In meter APCM 1 Boiler (50 TPH x 2Nos.) 106 ESP with 4 field For Boilers: Stack Height H equal to 14(Q)0.3 Height of the stack is 106 meters, which is actually higher than norms.		Date: 27/11/2025
21	AIR QUALITY MONITORING AND PRESERVATION	Fuel (Indian coal/and or Imported coal and or Lignite) to the tune of 16725 MT/M shall be used for proposed boilers.
<b>PPs Submission:</b> Complied The average fuel consumption (coal / lignite) for the report period is - 1386 MT/M only which is well within the limit.		Date: 27/11/2025
22	AIR QUALITY MONITORING AND PRESERVATION	A Long term study of radio activity and heavy metal contents in coal/ lignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal/lignite and Fly ash (Including bottom ash) shall be put in place.
<b>PPs Submission:</b> Complied The radio activity and heavy metal contents in coal/lignite had been carried out and report submitted vide our letter Atul/SHE/EC Compliance/03 dated June 30, 2018. We have not found the inbuilt continuous monitoring for radio activity and heavy metal in coal/ lignite anywhere in India as well as abroad. Even though we have still continued our search for agencies supplying such online system and we will install the same as soon as we get the same.		Date: 27/11/2025
23	AIR QUALITY MONITORING AND PRESERVATION	A flue gas stack of 74.58m height shall be provided with online monitoring system to proposed steam boiler. Mercury gas emission from stacks shall also be monitored on periodic basis.
<b>PPs Submission:</b> Complied Height of the stack is 106 meters attached to Boiler (50 TPH x 2 Nos.). We have installed online monitoring system to boiler for SPM, SO <sub>2</sub> and NO <sub>x</sub> and the same is connected to CPCB server. Mercury emission is also monitored on monthly basis by NABL approved agency.		Date: 27/11/2025
24	AIR QUALITY MONITORING AND PRESERVATION	Existing two coal fired steam boilers shall be replaced with two AFBC Boilers having capacity 50 TPH each.
<b>PPs Submission:</b> Complied The old coal fired steam boilers are replaced with higher efficiency AFBC boilers with adequate APC facility (4 field ESP).		Date: 27/11/2025
25	AIR QUALITY MONITORING AND PRESERVATION	High efficiency Electro static precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that amended from ESP exceeds the specified standard prescribed in the Environment (protection) Rules 1986 as amended from time to time, utilization of boiler capacity shall so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.
<b>PPs Submission:</b> Complied We have installed high efficiency Electro Static Precipitator (ESP) (4 field) with 99.9 percent efficiency to control of flue gas emission within the permissible limit. GPCB Permissible limit for		Date: 27/11/2025

		PM is 50 mg/NM3. Particulate matter emission did not exceed the GPCB norms during report period Which shows that ESP is working efficiently (99.9 percent). We have designed and integrated in Plant DCS in such a way that in event of ESP in working not efficiently or something found fault or operation issue due to which flue gas emission go beyond the specified standard prescribed in the Environment (protection) Rules 1986 as amended from time to time than in such cases / occurrence we will intimate to board and authority to stop the operation plant or decrease the load of power plant. We will not restart or increase the load until the control measures are rectified to achieve the 100 percent efficiency. Flue gas emission from the stack meets with the specified standards prescribed in the Environment (protection) Rules 1986 as amended from time to time for the report period.	
26	AIR QUALITY MONITORING AND PRESERVATION	Third party monitoring of the functioning of ESP along with efficiency shall be carried out once in a year through a reputed institute / organization.	
<b>PPs Submission:</b> Complied We are regularly monitoring the functioning of ESP along with efficiency once in a year through NABL accredited and MoEF approved agency.			Date: 27/11/2025
27	AIR QUALITY MONITORING AND PRESERVATION	Lime stone injection technology shall be adopted to control SO2 and it shall be ensured that SO2 levels in the ambient air do not exceed the prescribed standards.	
<b>PPs Submission:</b> Complied We already have lime injection system to control SO2 emission.			Date: 27/11/2025
28	AIR QUALITY MONITORING AND PRESERVATION	The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.	
<b>PPs Submission:</b> Complied Our company is ISO 14001 certified company and regular preventive maintenance of all the critical equipment is a part of our system. We have standard preventive maintenance schedule /activities (monthly, By monthly, yearly) of mechanical and electrical parts or equipment's of ESPs. We have recorded the percentage completion of preventive maintenance assigned work as per schedule. These schedules has been prepared and reviewed/ approved by senior officer of the company.			Date: 27/11/2025
29	AIR QUALITY MONITORING AND PRESERVATION	Diesel to the tune of 300 Lit/hr shall be used as a fuel in stand –by D. G. Set (1500 KVA)	
<b>PPs Submission:</b> Complied Details uploaded.			Date: 27/11/2025
30	AIR QUALITY MONITORING AND PRESERVATION	The flue gas emission from DG set shall be dispersed through adequate stack height as per CPCB standards. At no time the emissions levels shall go beyond the stipulated standards. Acoustic enclosure be provided to DG set to mitigate the noise pollution.	
<b>PPs Submission:</b> Complied Adequate stack height of 11mt of DG set (1500 KVA) and 10mt of D.G. set (1010 KVA) as per CPCB standards. We have provided acoustic enclosure to both DG sets to mitigate the noise pollution in day time and night time.			Date: 27/11/2025
31	AIR QUALITY MONITORING AND PRESERVATION	Online monitoring system shall be installed to monitor the SOx, NOx and SPM in the flue gas stack. An arrangement shall also be done for reflecting the online monitoring result on the company's server, which can be assessable by the constructed.	

<b>PPs Submission:</b> Complied Continuous online (24x7) monitoring system for stack emission shall be installed for the measurement of flue gas discharge and the pollutants concentration as per CPCB guidelines and also connected to GPCB and CPCB website.		Date: 27/11/2025
32	AIR QUALITY MONITORING AND PRESERVATION	Adequate storage facility for the fly ash in terms of closed silos shall be provided at site. No pond shall be constructed.
<b>PPs Submission:</b> Complied We have not constructed ash pond for the CPP unit. We have closed three silo of 200 MT and Two silo of 300 MT capacity of each, total 1200 MT capacity.		Date: 27/11/2025
33	AIR QUALITY MONITORING AND PRESERVATION	Handling of the fly ash shall be through a closed pneumatic system.
<b>PPs Submission:</b> Complied We are handling of fly ash through a closed pneumatic system		Date: 27/11/2025
34	AIR QUALITY MONITORING AND PRESERVATION	The unit shall strictly comply with the fly ash Notification under the EPA and it shall ensure that there is 100% utilization of fly ash to be generated from the unit.
<b>PPs Submission:</b> Complied We are strictly complying fly ash notification under EPA and we are doing 100percent utilization of fly ash to be generated from the unit.		Date: 27/11/2025
35	AIR QUALITY MONITORING AND PRESERVATION	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety &amp; Health) Following Indicative guidelines shall be also be followed to reduce the fugitive emission. All handling &amp; transport of coal &amp; Lignite shall be exercised through covered coal conveyors only. Enclosure shall be provided at coal / Lignite loading and unloading operations Water shall be sprinkled on coal / Lignite stock piles periodically to retain some moisture in top layer and also while compacting to reduce the fugitive emission. All transfer enclosed. Adequate dust suppression / extraction system at crusher house as well as for the coal/ Lignite stock yard and other vulnerable areas shall be provided to abate dust nuisance. Accumulated coal dust / fly ash on the ground and surfaces shall be removed / swept regularly and water the area after sweeping. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. Air borne dust shall be controlled with water sprinkles at suitable locations in the plant. Coal / Lignite shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only. A green belt shall be developed all around the plant boundary and also the roads to mitigate fugitive &amp; transport dust emission.</p>
<b>PPs Submission:</b> Complied We are strictly complying fly ash notification under EPA and we are doing 100 percent utilization of fly ash to be generated from the unit.		Date: 27/11/2025
36	AIR QUALITY MONITORING AND PRESERVATION	Regular Monitoring of ground level concentration of PM2.5, PM10, NO2, SO2 and Hg shall in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by GPCB.If at any stage these levels are found to exceed the prescribed limits necessary additional control measures shall be

		taken be decided in consultation with the GPCB.
<b>PPs Submission:</b> Complied We are regularly monitoring ground level concentration of PM2.5, PM10, NO2, and SO2 in ambient air of impact zone and its records are maintained as per schedule.		Date: 27/11/2025
37	GREENBELT	The unit shall also take up adequate plantation at suitable open land on road sides and other open areas in nearby villages or schools in consultation with the Gram panchayat / GPCB and submit an action plan for the same for next three years to the GPCB.
<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken project named Sanjeevani this year also and planted 1.76 lac trees of more than 50 species at all its locations globally.		Date: 27/11/2025
38	GREENBELT	The unit shall develop green belt in at least 68000 sq.m area within the premises. Green belt shall comprises of rows of varying height tall native trees with thick foliage in the periphery of the factory premises.
<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken project named Sanjeevani this year also and planted 1.76 lac trees of more than 50 species at all its locations globally.		Date: 27/11/2025
39	Statutory compliance	The project management shall strictly comply with the provisions made in the Factories Act, 1948 as well as manufacturer, storage and Impact of Hazardous chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.
<b>PPs Submission:</b> Complied We are complying all the provisions of Factories act, all the rules and regulation led by MSIHC, 1989. Complied		Date: 27/11/2025
40	MISCELLANEOUS	Rain water harvesting of rooftop rain water shall be undertaken as proposed in the EIA report of the project and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water through percolation wells. Before recharging the rain water, pre-treatment must be done to remove suspended matter.
<b>PPs Submission:</b> Complied Company has harvest 11.02 Lakh KL rain water during 2025		Date: 27/11/2025
41	Risk Mitigation and Disaster Management	A well designed fire hydrants system shall be installed as per the prevailing standards
<b>PPs Submission:</b> Complied CO2 flooding system is installed as an active fire protection system in in MCC/ PCC panels. A well designed tender hydrant system is adequate and as per standards.		Date: 27/11/2025
42	Risk Mitigation and Disaster	Necessary precautions like continuous monitoring of hot spot

	Management	(ignite lignite) using temperature detection systems water sprinklers, avoiding stacking of lignite near stream pipeline etc. shall be made for storing lignite to prevent fire hazard.
<b>PPs Submission:</b> Complied Lignite is usually used on the same day of its receiving at site as far as possible. Lignite is not being stored for not more than 3 - 4 Days. However, water spray and fire hydrant system is available for the fuel storage sheds.		Date: 27/11/2025
43	Risk Mitigation and Disaster Management	All the risk mitigation measures, general & specific recommendations mentioned in risk Assessments Report shall be implemented.
<b>PPs Submission:</b> Complied All the risk mitigation measures, general and specific recommendations mentioned in risk assessments report are implemented.		Date: 27/11/2025
44	Risk Mitigation and Disaster Management	Proper ventilation shall be provide in the work area.
<b>PPs Submission:</b> Complied Proper ventilation provided in work area.		Date: 27/11/2025
45	Risk Mitigation and Disaster Management	Personal protective Equipment shall be provided to worker and its usage shall be ensured and supervised.
<b>PPs Submission:</b> Complied PPEs like nose masks, safety goggles, chemical resistive aprons, fireproof apron, Hand gloves, safety helmet, welding goggles, ear mugs, safety shoes etc. are provided to the workers and utilization of the PPEs is followed strictly in Power Plant.		Date: 27/11/2025
46	Risk Mitigation and Disaster Management	First Aid Box and required antidotes for the chemical used in the unit shall be readily available in adequate quantity at all the times.
<b>PPs Submission:</b> Complied First aid box is kept in each plant and at strategic locations whereas antidotes are kept in the medical Centre.		Date: 27/11/2025
47	Risk Mitigation and Disaster Management	Flameproof fittings shall be provided at the proposed power plant
<b>PPs Submission:</b> Complied Flame proof fittings are provided.		Date: 27/11/2025
48	Risk Mitigation and Disaster Management	Adequate firefighting facilities shall be provided at the proposed power plant.
<b>PPs Submission:</b> Complied Firefighting facilities are adequate. The risk to people after a fire has started shall largely depends on the adequacy and maintenance of means to escape, the alarm system, training of the workforce in fire routine and evacuation procedures at Atul Ltd management has proposed to employ well - resourced and adequate firefighting network.		Date: 27/11/2025
49	Risk Mitigation and Disaster Management	All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.
<b>PPs Submission:</b> Complied The roads inside factory are of cement concrete.		Date:

		27/11/2025
50	Risk Mitigation and Disaster Management	The project management shall prepare a details Disaster management plan (DMP) for the project as the guidelines from Directors of Industrial safety and Health.
<b>PPs Submission:</b> Complied Detailed disaster management plan is already prepared and submitted to your good office vide letter Ref. Atul/SHE/EC Compliance/01 dated December 19, 2019 for the project as the guidelines from Directors of Industrial safety and health.		Date: 27/11/2025
51	Human Health Environment	Occupational health surveillance of the workers shall be done its records shall be maintained. Pre - employment and periodical medical examination for all the worker shall be undertaken as per the Factories Act & rules.
<b>PPs Submission:</b> Complied Occupational health surveillance of the workers is carried out on a regular basis as per section - 41 C of the Factories Act and rule - 68T of Gujarat Factories Rules and records are maintained.		Date: 27/11/2025
52	Noise Monitoring & Prevention	The overall noise level in and around the plant area shall be kept well within the prescribed standard by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration, dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (protection) Act and Rules. Workplace noise levels for workers shall be as per the factories Act and Rules.
<b>PPs Submission:</b> Complied The overall noise level in and around the plant area to be kept well within the prescribed standard by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration, dampers etc. on all sources of noise generation provided. The ambient and workplace noise level confirms to the standard prescribed under EPA. The same is being regularly monitored. The maximum values during the compliance period confirms that at no time the noise emission level went beyond the stipulated standards.		Date: 27/11/2025
53	Noise Monitoring & Prevention	To minimize the noise pollution the following noise control measures shall be implemented. Selection of any new plant equipment shall be made with specifications of low levels. Manufacturer / supplier of major noise generating machines / equipment like air compressor. Feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible regulatory norms with respect to noise generation for individual units. Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact. Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided. Employees shall be provided with ear protection measures like earplugs or earmuffs. Proper oiling lubrication and preventive maintenance shall be carried out of the machineries and equipment to reduce noise generation. Construction equipment generating minimum noise vibration shall be chosen. Ear plugs and / muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment. Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate. Construction equipment meeting the norms specified by EP Act, 1986 shall only be used. Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas. Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment

**PPs Submission: Complied**

We are regularly implemented noise control measures to minimize the noise pollution. All steam vents have attached with silencers. Low noise level is considered as one of the prime specifications while selecting new machines in power plant. For example, replacement of reciprocating type noisy air compressors by low noise emitting screw air compressors. We are always acknowledge or take care when purchasing of major noise generating machines / equipment like air compressor, feeder pumps, turbine generators, etc., strictly instructed or emphasized to supplier to give less noise generating equipments as much as possible to regulatory norms with respect to noise generation for individual units. We have routine and preventive maintenance schedule of machinery / equipment and vehicles to be undertaken to reduce the noise impact. Acoustic enclosures are provided on DG sets. Silencers have been provided on main steam vent valves of Boilers. We have provided ear protection measures like earplugs or ear muffs to all employees on regular basis. Proper oiling lubrication and preventive maintenance is carried out of the machinery and equipment to reduce noise generation. We always use minimum noise vibration generation construction equipment. Our company has well laid down OHS policy to use Proper PPEs by all employees in plant area. Ear plugs and / muffs are compulsory for the construction workers working near the noise generating activities / machines / equipment. We are permitted those vehicles and construction equipment with internal combustion engines with proper silencer and spark arrestor. We are only using construction equipment meeting the norms specified by EP Act, 1986. We do take care of Noise control equipment and baffling will be employed on generators especially when they are operated near the residential and sensitive areas. We are using mufflers on all motorized equipment to reduce noise levels.

Date:  
27/11/2025

**General Conditions**

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	The SEIAA may revoke or suspend the clearance. If implementation of any of the above conditions is not found satisfactory.
<b>PPs Submission: Complied</b> Noted.		Date: 26/11/2025
2	MISCELLANEOUS	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
<b>PPs Submission: Complied</b> No such case during the report period. However, if such case happens we ensure to close down the unit.		Date: 27/11/2025
3	MISCELLANEOUS	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and condition in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.
<b>PPs Submission: Complied</b> We are regularly submitting the half - yearly compliance report. The implementation of the project along with environmental actions plans are monitored by the authority time to time. We are regularly submitting half yearly compliance reports to the authority and same is being updated on website.		Date: 27/11/2025
4	MISCELLANEOUS	Concealing factual data or submission of false / fabricated data and failure to comply with any of conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

<b>PPs Submission:</b> Complied Noted.		Date: 27/11/2025
5	MISCELLANEOUS	The company in a time bound manner shall implement these conditions. The SEIAA reserves the stipulate additional conditions, if the same is found necessary.
<b>PPs Submission:</b> Complied Noted.		Date: 27/11/2025
6	MISCELLANEOUS	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
<b>PPs Submission:</b> Complied We have communicated with the regional officer of MoEF and CC towards the status of work and financial closure time to time. We have also submitted six monthly EC Compliance report periodically in which said information were updated time to time.		Date: 27/11/2025
7	MISCELLANEOUS	No further expansion or modification in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
<b>PPs Submission:</b> Complied No further expansion or modification in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.		Date: 27/11/2025
8	MISCELLANEOUS	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and May also be seen at website of SEIAA / SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarat A copy each of the same shall be forwarded to the concerned Regional office of the Ministry.
<b>PPs Submission:</b> Complied We have informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and also be seen at website of SEIAA/SEAC/GPCB. We have given advertisement dated 29.05.2016 in local newspapers that are widely circulated in the region, one of which is given in the Gujarati language and the other in English. A copy each of the same forwarded to the concerned Regional office of the ministry vide our letter dated January 27, 2017.		Date: 27/11/2025
9	MISCELLANEOUS	A separate environment management cell with qualified staff shall be set up for implementation of stipulated environmental safeguards.
<b>PPs Submission:</b> Complied Implementation of stipulated environmental safeguards were ensured by the Company SHE department.		Date: 27/11/2025
10	MISCELLANEOUS	The project proponent shall comply all the conditions mentioned in 'The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time in a letter and spirit.
<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of nearby		Date:



localities. List of CSR activities is attached.		27/11/2025
11	MISCELLANEOUS	This environmental clearance is valid for seven years from the date of issue.
<b>PPs Submission:</b> Complied Noted.		Date: 27/11/2025
12	MISCELLANEOUS	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as GPCB along with the implementation scheduled for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
<b>PPs Submission:</b> Complied Details uploaded.		Date: 27/11/2025
13	MISCELLANEOUS	All the recommendation , mitigation measures ,environments protection measures and safeguard proposed in the EIA report of the project prepared by M/s ; Eco chem Sales &Service, Surat & submitted vide letter no NIL dated 03/11/2015 and commitments made during presentation before SEAC, proposed in the EIA report shall be strictly adhered to in letter and spirit.
<b>PPs Submission:</b> Complied All environmental protection measures and safeguards proposed in the project report has been fully complied and report submitted to your good office vide letter Atul/SHE/EC Compliance/06 dated December 19, 2019		Date: 27/11/2025
14	MISCELLANEOUS	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 day as prescribed under section 16 of the National Green Tribunal Act, 2010.
<b>PPs Submission:</b> Complied Noted.		Date: 27/11/2025
15	Statutory compliance	All the recommendation of CREP guidelines as may be applicable from time to time shall be following vigorously.
<b>PPs Submission:</b> Complied All the recommendation of CREP guidelines compliance details is attached.		Date: 27/11/2025
16	Statutory compliance	The project authorities must strictly adhere to stipulations made by the Gujarat Pollution Control Board (GPCB), state government and statutory authority.
<b>PPs Submission:</b> Complied We are strictly adhering to stipulations made by the Gujarat Pollution Control Board (GPCB), state government and statutory authority.		Date: 27/11/2025
17	Statutory compliance	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
<b>PPs Submission:</b> Complied Noted and complied.		Date: 27/11/2025

18	Statutory compliance	The above conditions will be enforced, inter-alia under the provisions of water (prevention & Control or pollution) Act, 1974, Air (prevention & Control of pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous & other wastes (Management and Trans boundary Movements) Rules 2016 and the public liability insurance Act, 1991 along with their amendments and rules.
<b>PPs Submission:</b> Complied Noted.		Date: 27/11/2025
19	Risk Mitigation and Disaster Management	The project proponent shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessments study report as well as proposed by project proponent.
<b>PPs Submission:</b> Complied All the recommendations suggested in the EMP report and Risk assessments study report as well as proposed by us have been implemented.		Date: 27/11/2025
20	Statutory compliance	The project proponent shall also comply with additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
<b>PPs Submission:</b> Complied No additional conditions so far imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.		Date: 27/11/2025
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>		09/03/2020
<b>Additional Remarks:</b>		
<p><b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	IA/GJ/IND3/211612/2018
<b>Compliance ID</b>	318528578
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/318528578/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	28-11-2025
<b>RO/SRO Name</b>	Dr G Trinadh Kumar
<b>RO/SRO Email</b>	agmu174.ifs@nic.in
<b>State</b>	GUJARAT
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Gandhi Nagar

**Note:-** SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.

**Half Yearly Compliance Report****2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

<b>Proposal Name</b>		Expansion of dyes , Chlor-Alkali, Pesticide, Bulk Drug & Pharmaceutical, Resins, Flavors & Fragrances, Other Chemicals & Co-Products Manufacturing Unit	
<b>Name of Entity / Corporate Office</b>		Mr. Hriday DEsai	
<b>Village(s)</b>		N/A	
<b>District</b>		VALSAD	
<b>Proposal No.</b>	IA/GJ/IND3/211612/2018	<b>Category</b>	Industrial Projects - 3
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	GUJARAT	<b>Entity's PAN</b>	*****2390M
<b>MoEF File No.</b>	J-11011/108/2015-IA-II(I)	<b>Entity name as per PAN</b>	ATUL LIMITED

**Compliance Reporting Details****Reporting Year** 2025**Remarks (if any)****Reporting Period** 01 Dec(01 Apr - 30 Sep)**Details of Production and Project Area****Name of Entity / Corporate Office** Mr. Hriday DEsai

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	106.71	106.71
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	106.71	106.71

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Azo dyes	Tons per Annum (TPA)	05/08/2031	6600	11.3	6600
2	Phenol	Tons per Annum (TPA)	05/08/2031	36	0	36
3	Sulfur Black	Tons per Annum (TPA)	05/08/2031	30003.96	8470.6	30003.96
4	Naphthol range	Tons per Annum (TPA)	05/08/2031	900	0	900
5	4-amino-phenyl-4-beta hydroxy ethyl sulphone sulphate ester, Para base ester	Tons per Annum (TPA)	05/08/2031	10008	0	10008
6	Liquid Chlorine /Hcl/Hydrogen	Tons per Annum (TPA)	05/08/2031	42000	33632.99	42000
7	Sulfur Dyes range	Tons per Annum (TPA)	05/08/2031	300	0	300
8	Fast Color Bases	Tons per Annum (TPA)	05/08/2031	480	0	480
9	Optical Brighteners	Tons per Annum (TPA)	05/08/2031	120	0	120
10	Reactive Dyes	Tons per Annum (TPA)	05/08/2031	11535.6	173.1	11535.6
11	Disperse dyes	Tons per Annum (TPA)	05/08/2031	1422	175.6	1422
12	Vat dyes	Tons per Annum (TPA)	05/08/2031	1260	899.2	1260
13	Indigo	Tons per Annum (TPA)	05/08/2031	6000	0	6000
14	Manganese sulphate	Tons per Annum (TPA)	05/08/2031	12000	4681.66	12000
15	40 percent Manganese sulphate solution	Tons per Annum (TPA)	05/08/2031	30000	0	30000
16	Pigments	Tons per Annum (TPA)	05/08/2031	2400	0	2400

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emission shall be installed for the measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
<b>PPs Submission:</b> Complied Continuous online (24x7) monitoring system for stack emission is installed for the measurement of flue gas and effluent discharge pollutants concentration as per CPCB guidelines and also connected to GPCB and CPCB website.		Date: 26/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	The action plan submitted for controlling the particulates emissions in the factory shall be satisfactorily implemented.
<b>PPs Submission:</b> Complied The action plan submitted for controlling the particulates emissions in the factory is satisfactorily implemented. Details uploaded.		Date: 26/11/2025
3	MISCELLANEOUS	Training shall be imparted to all employees on safety and health aspects of chemical handling. Safety and visual reality training shall also be provided to employees.
<b>PPs Submission:</b> Complied Company is providing training which cover all relevant workplace policies, procedures and practices to ensure that staff have the appropriate skills and knowledge to perform their work.		Date: 26/11/2025
4	MISCELLANEOUS	No banned pesticides/chemicals shall be manufactured by the project proponent. No banned raw material shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
<b>PPs Submission:</b> Complied No banned pesticides/chemical is manufactured nor is any banned raw material used.		Date: 26/11/2025
5	MISCELLANEOUS	The storage of toxic/hazardous raw material shall be bare minimum with respect to their quantity and inventory. Quantity and day of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
<b>PPs Submission:</b> Complied The storage of toxic/hazardous raw material is bare minimum with respect to their quantity and inventory. Details uploaded.		Date: 26/11/2025
6	MISCELLANEOUS	The unit shall make arrangement for the prevention and protection of possible fire hazards during manufacturing process in material handling . Fire-fighting system shall be as per the norms. Action plan proposed shall be implemented in letter and spirit.
<b>PPs Submission:</b> Complied CO2 flooding system is installed as an active fire protection system in in MCC / PCC panels. A well		Date: 26/11/2025

designed Fire hydrant system is adequate and as per standards.		
7	MISCELLANEOUS	Solvent management shall be carried out as follows : (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures (d) Proper earthing shall be provide in all the electrical equipment wherever solvent handling is done (e) Entire plant shall be flame proof. The solvent storage tanks shall be provide with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
<b>PPs Submission:</b> Complied a)Condensers with chilling systems are provided at point of Solvent recovery to minimized vapour loss. b)We have provided seals at all Reactors and pumps in order to prevent leakage. c) Spent solvents are recovered as far as possible all venting equipment are provided with condenser system and scrubber provided with Sufficient Heat Transfer Area (HTA) which helps to achieved more than 95 percent recovery. d) We have made separate provision for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures. e) Earthing pit is provided in all electrical equipment wherever solvent handling is done. f) Entire plant is flame proof installations, storage tanks are provided with breather valve for all prevention of losses. Separate provision is made for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures.		Date: 26/11/2025
8	MISCELLANEOUS	Storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premise and harvested waster shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ Any waste water shall not be allowed to mix with storm water.
<b>PPs Submission:</b> Complied Company has harvest 11.02 Lakh KL rain water during 2025		Date: 26/11/2025
9	MISCELLANEOUS	As committed , at least Rs 5 lakhs shall be allocated for conservation of Schedule   species. The implementation report shall be submitted to the IRO, MoEFCC,
<b>PPs Submission:</b> Complied Our conservation plan is under approval and we will implement the same as per the final approval.		Date: 26/11/2025
10	MISCELLANEOUS	A separate Environmental Management Cell (having qualified persons with Environmental science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring Functions.
<b>PPs Submission:</b> Complied Company is having separate Environmental Management Cell equipped with full - fledged laboratory facility to carry out the environment management and monitoring functions. Apart from this, one Environment Research Lab is also established for research work for the study of various aspects related to environment and its remedial measures. Company has developed a separate laboratory equipped with equipment such as pH meter, TDS meter, COD meter, Glass ware, gas chromatography system, and oven, muffle furnace, etc. to carry out testing of routine parameters. However sampling and testing is carried out by GPCB approved and company appointed consultant also. Currently the parameters measured in - house are pH, COD, TDS, MLVSS and MLSS.		Date: 26/11/2025

11	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement, proposed to be met from Par River shall not exceed 18050 cum/day. Prior permission in this regard shall be obtained from the concerned regulatory authority.
<b>PPs Submission:</b> Complied The average water consumption for the report period is Avg. 11006 KL/day only, which is well within the limit.		Date: 26/11/2025
12	WATER QUALITY MONITORING AND PRESERVATION	The effluent quantity to be discharged shall be within the prescribed limit as per the existing CRZ clearance and any increase in the effluent load or changes in pipeline attracts the provisions of the CRZ clearance.
<b>PPs Submission:</b> Complied The effluent quantity to be discharged is well within the prescribed limit of 20514 KLD as per the existing CRZ clearance only. Details attached.		Date: 26/11/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The treated effluent of 20514 KLD proposed to discharge to the estuary of Par river through pipeline, shall conform to the standards prescribed under the Environment (protection) Act, 1986. The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.
<b>PPs Submission:</b> Complied Details uploaded.		Date: 26/11/2025
14	GREENBELT	The greenbelt of at least 5-10 m width shall be developed/strengthened over nearly 33% of the total project area, mainly along the plant periphery/adjacent areas. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department Records of tree canopy shall be monitored through remote sensing. Trees have to be planted with spacing of 2m x 2m and number of trees has to be increased accordingly. The Plant species can be selected that will give better carbon sequestration. The action plan proposed in this regard shall be implemented.
<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Earth day. Company has undertaken project named Sanjeevani this year also and planted 1.76 lac trees of more than 50 species at all its locations globally.		Date: 26/11/2025
15	GREENBELT	As proposed the project proponent shall undertake plantation activities (10,000 plant) in the Parnera hill and other areas with the support of State Forest Department /Village Administration.
<b>PPs Submission:</b> Complied Details uploaded.		Date: 26/11/2025
16	Risk Mitigation and Disaster Management	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in Respect of environmental management, and risk mitigation measures relating to the project shall be implemented.



<b>PPs Submission:</b> Complied All the environmental protection measures and safeguards proposed are implemented.		Date: 26/11/2025
17	Human Health Environment	Occupational health center for surveillance of the workers health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
<b>PPs Submission:</b> Complied Occupational health surveillance of the workers is carried out on a regular basis as per section-41 C of the factories act and rule-68T of Gujarat Factories Rules and records are maintained.		Date: 26/11/2025
18	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste (b) Reuse of by-products from the process as raw material or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system (f) Use of high-pressure hoses for equipment cleaning to reduce waste water generation.
<b>PPs Submission:</b> Complied All the liquid ingredients are being charged through measure vessels and/or flow meters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weighment only. All these meters and weighing machines are calibrated and records are maintained. Chemicals and solvents are handled in close handling system through pipe lines only.. All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers, ejector/vacuum pumps and/or scrubbers. Genosorb technology for solvent vapor recovery is also installed and working perfectly.		Date: 26/11/2025
19	PUBLIC HEARING	The activities and the action plan proposed by the project proponent to address the socioeconomic/public concern and issues raised during public hearing in the study area shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit.
<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of near by localities. List of CSR activities uploaded.		Date: 26/11/2025
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the chemical accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
<b>PPs Submission:</b> Complied We are complying with all the requirement of MSIHC rule 1989 as amended in October, 1994 and January, 2000 and having proper storage and handling system, Onsite emergency plan, Licenses, reporting, etc.. Details uploaded.		Date: 26/11/2025
2	ENERGY PRESERVATION	The energy source for lighting purpose shall be preferably LED

	MEASURES	based, or advanced having preference in energy conservation and environment betterment.
<b>PPs Submission:</b> Complied We replace most of the conventional lights by LED lights.		Date: 26/11/2025
3	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
<b>PPs Submission:</b> Complied The ambient and workplace noise level confirms to the standard prescribed under EPA. The same is being regularly monitored at regular interval for ensuring the compliance. Results uploaded		Date: 26/11/2025
4	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake Eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment
<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of nearby localities. List of CSR activities uploaded.		Date: 26/11/2025
5	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.
<b>PPs Submission:</b> Complied EMP measures are implemented. Detail of recurring cost for report period is uploaded.		Date: 26/11/2025
6	MISCELLANEOUS	No further expansion or modification in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/ SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
<b>PPs Submission:</b> Complied We ensure that there is no further expansion or modifications related to EC in the plant. For any deviations or alteration in the plant we will opt prior permission from MoEF.		Date: 26/11/2025
7	MISCELLANEOUS	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

<b>PPs Submission:</b> Complied The clearance letter has been circulated to village Panchayat, Zilla Parishad, District Industries Centre and the acknowledgement of the same was submitted to IRO vide our EC compliance of April 2023 to September 2023 period.		Date: 26/11/2025
8	MISCELLANEOUS	The project proponent shall inform the public the the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
<b>PPs Submission:</b> Complied We have published the advertised in local newspapers in vernacular and English within stipulated time.		Date: 26/11/2025
9	MISCELLANEOUS	This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
<b>PPs Submission:</b> Complied Noted		Date: 26/11/2025
10	MISCELLANEOUS	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 to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
<b>PPs Submission:</b> Complied We regularly submit the half-yearly compliance report and same is being updated on website.		Date: 26/11/2025
11	MISCELLANEOUS	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
<b>PPs Submission:</b> Complied The Environmental statement (Form-V) for each financial year ending 31st March is being submitted to State Pollution Control Board (GPCB) every year time to time on XGN portal as well as hard copy submission. Latest Form V for year 2024-25 is attached.		Date: 26/11/2025
12	MISCELLANEOUS	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.
<b>PPs Submission:</b> Complied We have communicated with the regional officer and MoEFCC towards the status of work and		Date: 26/11/2025

financial closure time to time.	
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<b>Visit Remarks</b>	
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<b>Last Site Visit Report Date:</b>	N/A
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<b>Additional Remarks:</b>	
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**Note:** This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	IA/GJ/IND2/57601/2015
<b>Compliance ID</b>	419560778
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/419560778/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	28-11-2025
<b>RO/SRO Name</b>	Dr G Trinadh Kumar
<b>RO/SRO Email</b>	agmu174.ifs@nic.in
<b>State</b>	GUJARAT
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Gandhi Nagar

**Note:-** SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.

**Half Yearly Compliance Report  
2025  
01 Dec(01 Apr - 30 Sep)**

**Acknowledgement**

<b>Proposal Name</b>		Expansion of Chemicals Manufacturing Unit.	
<b>Name of Entity / Corporate Office</b>		Atul Ltd	
<b>Village(s)</b>		N/A	
<b>District</b>		VALSAD	
<b>Proposal No.</b>	IA/GJ/IND2/57601/2015	<b>Category</b>	Industrial Projects - 3
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	GUJARAT	<b>Entity's PAN</b>	*****2390M
<b>MoEF File No.</b>	File No : J-11011/108/2015-IA II (I)	<b>Entity name as per PAN</b>	ATUL LIMITED

**Compliance Reporting Details**

**Reporting Year** 2025  
**Remarks (if any)**  
**Reporting Period** 01 Dec(01 Apr - 30 Sep)

**Details of Production and Project Area**

**Name of Entity / Corporate Office** Atul Ltd

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	106.71	106.71
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	106.71	106.71

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Azo dyes	Tons per Annum (TPA)	05/08/2031	6600	11.3	6600
2	Metribuzin	Tons per Annum (TPA)	05/08/2031	720	0	720
3	Chlorantraniliprole	Tons per Annum (TPA)	05/08/2031	840	0.85	840
4	5-Chloro 1-Indanone	Tons per Annum (TPA)	05/08/2031	720	0	720
5	Tolbutamide	Tons per Annum (TPA)	05/08/2031	30	0	30
6	Karmaflor	Tons per Annum (TPA)	05/08/2031	300	0	300
7	Sulfur Black	Tons per Annum (TPA)	05/08/2031	30003.96	8470.6	30003.96
8	Sulfur Dyes range	Tons per Annum (TPA)	05/08/2031	300	0	300
9	Naphthol range	Tons per Annum (TPA)	05/08/2031	900	0	900
10	Fast Color Bases	Tons per Annum (TPA)	05/08/2031	480	0	480
11	Disperse dyes	Tons per Annum (TPA)	05/08/2031	1422	175.6	1422
12	Optical Brighteners	Tons per Annum (TPA)	05/08/2031	120	0	120
13	Reactive Dyes	Tons per Annum (TPA)	05/08/2031	11535.6	173.1	11535.6
14	Vat dyes	Tons per Annum (TPA)	05/08/2031	1260	899.2	1260
15	Indigo	Tons per Annum (TPA)	05/08/2031	6000	0	6000
16	Manganese sulphate	Tons per Annum (TPA)	05/08/2031	12000	4681.66	12000
17	40 percent Manganese	Tons per	05/08/2031	30000	0	30000

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	The treated effluent of 3335 cum/day shall be recycled/reused to meet the requirement of different industrial operations, and the remaining treated effluent of 20514 cum/day shall be discharge to estuary of Par River through the existing pipeline.
<b>PPs Submission:</b> Complied We have received latest EC vide Environmental clearance dated June 16, 2023. According to specific condition of EC F No. J 11011/108/2015-IA-II-(I) dated June 16, 2023, 9090 m3/day will be recycled /treated water. Industrial waste water discharge shall not exceed 20,514 m3/d. Details uploaded.		Date: 26/11/2025
2	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement shall not exceed 21950 cum/day, proposed to be met from Par River. Prior permission in this regards shall be obtained from the concerned regulatory authority.
<b>PPs Submission:</b> Complied The average water consumption for the report period is Avg. 11006 KL/day only, which is well within the limit.		Date: 26/11/2025
3	WATER QUALITY MONITORING AND PRESERVATION	Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD. Low TDS effluent stream shall Be treated in ETP/RO to meet the prescribed standards
<b>PPs Submission:</b> Complied Industrial/trade effluent is being segregated into High TDS/COD and Low TDS/COD. High COD/TDS stream is subjected to MEE and ATFD. Low TDS/COD stream is treated in in-house effluent treatment plant and discharged as per stipulated norms. Its not exceeding then prescribed limit of latest EC and CCA.		Date: 26/11/2025
4	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
<b>PPs Submission:</b> Complied Process effluent/any wastewater are being discharged to estuary of Par river through the existing pipeline and are not mixed with storm waterline.		Date: 26/11/2025
5	Statutory compliance	Consent to Establish/ Operate for the project shall be obtain from the State Pollution Control Board as required under the Air (prevention and control of pollution) Act, 1981 and the Water (prevention and control of pollution)Act, 1974.
<b>PPs Submission:</b> Complied Consent to Establish/Operate for the project is received.		Date: 26/11/2025
6	Statutory compliance	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act, 1989.
<b>PPs Submission:</b> Complied		Date:



We are complying all the rules and regulation led by MSIHC, 1989. All transportation of Hazardous Chemicals is done as per the Motor Vehicle Act, 1989.		26/11/2025
7	WASTE MANAGEMENT	Necessary authorization required under the Hazardous and other Wastes Management Rule, 2016 shall be obtain and the Provisions contained in the Rules shall be strictly adhered to.
<b>PPs Submission:</b> Complied We have authorization valid till 05.08.2031		Date: 26/11/2025
8	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be Sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
<b>PPs Submission:</b> Complied We have obtained necessary authorization for Hazardous and other waste by obtaining amendment in existing CTO after receiving EC and waste is disposed off accordingly.		Date: 26/11/2025
9	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below:-(a) Metering and control of quantities of active ingredients to minimize waste.(b) Reuse of by- products from the process as raw materials or as raw material substitutes in other processes.(c) Use of automated filling to minimize spillage(d) Use of Close Feed system into batch reactors(e) Venting equipment through vapor recovery system.(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
<b>PPs Submission:</b> Complied a)Condensers with chilling systems are provided at point of Solvent recovery to minimized vapour loss. b)We have provided seals at all Reactors and pumps in order to prevent leakage. c) Spent solvents are recovered as far as possible all venting equipment are provided with condenser system and scrubber provided with Sufficient Heat Transfer Area (HTA) which helps to achieved more than 95 percent recovery. d) We have made separate provision for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures. e) Earthing pit is provided in all electrical equipment wherever solvent handling is done. f) Entire plant is flame proof installations, storage tanks are provided with breather valve for all prevention of losses. Separate provision is made for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures.		Date: 26/11/2025
10	AIR QUALITY MONITORING AND PRESERVATION	National Emission Standards for organic chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) Dated 21 July, 2010 and Amended from time to time shall be followed.
<b>PPs Submission:</b> Complied National Emission Standards followed. The location of AAQM stations had been decided in consultation with GPCB and being monitored regularly. Results for report period uploaded.		Date: 26/11/2025
11	AIR QUALITY MONITORING AND PRESERVATION	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/ or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB Guidelines
<b>PPs Submission:</b> Complied Fugitive emission and gaseous emissions are controlled through appropriate APCM. Results for report period uploaded.		Date: 26/11/2025
12	AIR QUALITY MONITORING AND PRESERVATION	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines.

	PRESERVATION	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
<b>PPs Submission:</b> Complied Adequate stack height and acoustic enclosures are provided on DG sets for controlling the noise pollution .		Date: 26/11/2025
13	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel /dra in carrying effluent within the premises.
<b>PPs Submission:</b> Complied Continuous online (24x7) monitoring system for stack emission is installed for the measurement of flue gas emission, effluent discharge pollutants concentration as per CPCB guidelines and also connected to GPCB and CPCB website.		Date: 26/11/2025
14	MISCELLANEOUS	Solvent management shall be carried out as follows:(a) Reactor shall be connected to chilled brine condenser system.(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.(c) The condensers shall be Provided with sufficient HTA and residence time so as to achieve More than 95% recovery. (d) Solvents shall be stored in a separate space specified with all safety measures. (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.(f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
<b>PPs Submission:</b> Complied a)Condensers with chilling systems are provided at point of Solvent recovery to minimized vapour loss. b)We have provided seals at all Reactors and pumps in order to prevent leakage. c) Spent solvents are recovered as far as possible all venting equipment are provided with condenser system and scrubber provided with Sufficient Heat Transfer Area (HTA) which helps to achieved more than 95 percent recovery. d) We have made separate provision for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures. e) Earthing pit is provided in all electrical equipment wherever solvent handling is done. f) Entire plant is flame proof installations, storage tanks are provided with breather valve for all prevention of losses. Separate provision is made for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures.		Date: 26/11/2025
15	MISCELLANEOUS	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.
<b>PPs Submission:</b> Complied We have closed three silo of 200MT and Two silo of 300 MT capacity of each, total 1200 MT capacity, which is well enough for our average generation.		Date: 26/11/2025
16	MISCELLANEOUS	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps
<b>PPs Submission:</b> Complied Hazardous chemicals stored safely as per standard practice. Flame arresters provided on tank farm,		Date: 26/11/2025

and solvent transfer through pumps ensured.		
17	PUBLIC HEARING	All the commitments made regarding issues raised during the public hearing/ consultation meeting shall be satisfactorily implemented.
<b>PPs Submission:</b> Complied Commitments are fulfilled wrt Public Hearing - 1. Local employment is going on and is above 80 percent at present. 2. Coal handling guidelines are fully complied.		Date: 26/11/2025
18	Risk Mitigation and Disaster Management	The unit shall make the arrangement for Protection of possible fire hazards during manufacture ng process in material handling. Fire-fighting system shall be as per the norms.
<b>PPs Submission:</b> Complied CO2 flooding system is installed as an active fire protection system in in MCC /PCC panels. Well designed Fire hydrant system is adequate and as per standards. Complied		Date: 26/11/2025
19	GREENBELT	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department
<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken project named Sanjeevani this year also and planted 1.76 lac trees of more than 50 species at all its locations globally.		Date: 26/11/2025
20	Corporate Environmental Responsibility	As committed, funds allocation for the Corporate Environment Responsibility (CER) shall be 2% of the total project cost. Item- wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
<b>PPs Submission:</b> Complied Details of CER/CSR is uploaded.		Date: 26/11/2025
21	Human Health Environment	Occupation al health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
<b>PPs Submission:</b> Complied Occupational health surveillance of the workers is carried out on a regular basis as per section-41 C of the factories act and ruke-68T of Gujarat Factories Rules and records are maintained.		Date: 26/11/2025
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	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 each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
<b>PPs Submission:</b> Complied		Date:

The AAQM stations had been decided in consultation with GPCB so that at least one station is installed in the up wind and down wind direction as well as where max ground level concentration anticipated.		26/11/2025
2	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 shall be followed.
<b>PPs Submission:</b> Complied We follow NAAQM standards. Results for report period uploaded		Date: 26/11/2025
3	MISCELLANEOUS	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
<b>PPs Submission:</b> Complied Company is providing training which cover all relevant work place policies, procedures and practices to ensure that staff have the appropriate skills and knowledge to perform their work safely.		Date: 26/11/2025
4	MISCELLANEOUS	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 <a href="http://moef.nic.in">http://moef.nic.in</a> This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
<b>PPs Submission:</b> Complied We have published the advertised in local newspapers in vernacular and English with in stipulated time.		Date: 26/11/2025
5	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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.
<b>PPs Submission:</b> Complied We ensure that there is no further expansion or modifications related to EC in the plant. For any deviations or alteration in the plant we will opt prior permission from MoEF.		Date: 26/11/2025
6	MISCELLANEOUS	The company shall harvest rainwater from the roof tops of the Buildings and Storm water Drains to Recharge the ground water and to utilize the same For process Requirements.
<b>PPs Submission:</b> Complied Company has harvest 11.02 Lakh KL rain water during 2025		Date: 26/11/2025
7	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for

		environment management/ pollution control measures shall not be diverted for any other purpose.
<b>PPs Submission:</b> Complied EMP measures are implemented. Detail of recurring cost for report period is uploaded.		Date: 26/11/2025
8	MISCELLANEOUS	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat Zilla Parishad/Municipal corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
<b>PPs Submission:</b> Complied We have informed the public that the project has been accorded environmental clearance by the EAC, MoEFCC Delhi and that the copies of the clearance letter are available with the GPCB and also be seen at website of EAC/GPC		Date: 26/11/2025
9	MISCELLANEOUS	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental enagement and Monitoring functions.
<b>PPs Submission:</b> Complied Company is having separate Environmental Management Cell equipped with full-fledged laboratory facility. one Environment Research Lab is also established. Complied		Date: 26/11/2025
10	MISCELLANEOUS	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&CC, the respective Zonal Office of CPCB and SPCB. A copy of EC and six monthly compliance status report shall be posted on the website of the company.
<b>PPs Submission:</b> Complied We regularly submit the half-yearly compliance report and same is being updated on website.		Date: 26/11/2025
11	MISCELLANEOUS	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.
<b>PPs Submission:</b> Complied We have communicated with the regional officer and MoEFCC towards the status of work and financial closure time to time.		Date: 26/11/2025
12	Corporate Environmental Responsibility	The company shall undertake all the relevant measures for improving the socio economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration.
<b>PPs Submission:</b> Complied Details of CER/CSR is uploaded.		Date: 26/11/2025
13	Statutory compliance	The project authorities shall adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.
<b>PPs Submission:</b> Complied The company complies with all stipulations which are further monitored by our Environmental		Date:

auditors appointed by GPCB. Latest Environmental audit report by Man Made Textile Research Association, Surat t for year 2024-25 is attached.		26/11/2025
14	Noise Monitoring & Prevention	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).
<b>PPs Submission:</b> Complied The ambient and workplace noise level confirms to the standard prescribed under EPA. The same is being regularly monitored at regular interval for ensuring the compliance. Results uploaded		Date: 26/11/2025
15	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended. Subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e- mail.
<b>PPs Submission:</b> Complied The Environmental Statement (Form-V) for each financial year ending 31st March is being submitted to State Pollution Control Board (GPCB) every year time to time on XGN portal as well as hard copy submission. Latest Form V for year 2024-25 is attached.		Date: 26/11/2025
16	Risk Mitigation and Disaster Management	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, and risk mitigation measures relating to the project shall be implemented.
<b>PPs Submission:</b> Complied Details uploaded		Date: 26/11/2025
17	Corporate Environmental Responsibility	The company shall undertake eco- developmental measures including community welfare measures in the project area for the Overall improvement of the environment.
<b>PPs Submission:</b> Complied Details of CER/CSR is uploaded.		Date: 26/11/2025
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>		09/03/2020
<b>Additional Remarks:</b>		
<p><b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	IA/GJ/IND3/278608/2018
<b>Compliance ID</b>	384473978
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/384473978/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	28-11-2025
<b>RO/SRO Name</b>	Dr G Trinadh Kumar
<b>RO/SRO Email</b>	agmu174.ifs@nic.in
<b>State</b>	GUJARAT
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Gandhi Nagar

**Note:-** SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.

**Half Yearly Compliance Report****2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

<b>Proposal Name</b>	Expansion of Dyes, Chlor-Alkali, Pesticides, Bulk Drug and Pharmaceuticals, Resins, Other Chemicals, Flavors & Fragrances & Co Products Manufacturing Unit at Atul and Haria village, Taluka & Dist.: Valsad, Gujarat by M/s. Atul Ltd. Amendment/Split of Environmental Clearance		
<b>Name of Entity / Corporate Office</b>	Atul Ltd		
<b>Village(s)</b>	N/A		
<b>District</b>	VALSAD		
<b>Proposal No.</b>	IA/GJ/IND3/278608/2018	<b>Category</b>	Industrial Projects - 3
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	GUJARAT	<b>Entity's PAN</b>	*****2390M
<b>MoEF File No.</b>	J-11011/108/2015-IA-II(I)	<b>Entity name as per PAN</b>	ATUL LIMITED

**Compliance Reporting Details**

**Reporting Year** 2025  
**Remarks (if any)**  
**Reporting Period** 01 Dec(01 Apr - 30 Sep)

**Details of Production and Project Area**

**Name of Entity / Corporate Office** Atul Ltd

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	106.71	106.71
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	106.71	106.71

**Production Capacity**



Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Sulfur Black	Tons per Annum (TPA)	05/08/2031	30003.96	8470.6	30003.96
2	Optical Brighteners	Tons per Annum (TPA)	05/08/2031	120	0	120
3	1-Aminoantraquinone	Tons per Annum (TPA)	05/08/2031	5004	0	5004
4	Caustic soda/potash and sodium sulfide	Tons per Annum (TPA)	05/08/2031	48000	30317.81	48000
5	Azo dyes	Tons per Annum (TPA)	05/08/2031	6600	11.3	6600
6	Sulfur Dyes range	Tons per Annum (TPA)	05/08/2031	300	0	300
7	Naphthol range	Tons per Annum (TPA)	05/08/2031	900	0	900
8	Fast Color Bases	Tons per Annum (TPA)	05/08/2031	480	0	480
9	Disperse dyes	Tons per Annum (TPA)	05/08/2031	1422	175.6	1422
10	Reactive Dyes	Tons per Annum (TPA)	05/08/2031	11535.6	173.1	11535.6
11	Vat dyes	Tons per Annum (TPA)	05/08/2031	1260	899.2	1260
12	Indigo	Tons per Annum (TPA)	05/08/2031	6000	0	6000
13	Manganese sulphate	Tons per Annum (TPA)	05/08/2031	12000	4681.66	12000
14	40 percent Manganese sulphate solution	Tons per Annum (TPA)	05/08/2031	30000	0	30000
15	Pigments	Tons per Annum (TPA)	05/08/2031	2400	0	2400
16	H-acid	Tons per Annum (TPA)	05/08/2031	6000	0	6000
17	4-amino-phenyl-4-beta	Tons per	05/08/2031	10008	0	10008

Conditions		
Specific Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.
<b>PPs Submission:</b> Complied We are following the best EHS practices to prevent accidents/abnormal incidents. Compliance under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996 is ensured.		Date: 26/11/2025
2	MISCELLANEOUS	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
<b>PPs Submission:</b> Complied Noted and Compliance ensured. Biodiversity study by renowned Gujarat Institute of Desert Ecology (GUIDE) is done.		Date: 26/11/2025
3	WATER QUALITY MONITORING AND PRESERVATION	The effluent quantity to be discharged shall be within the prescribed limit as per the existing CRZ clearance and any increase in the effluent load or changes in pipeline attracts the provisions of the CRZ Notification, 2019 & its amendments and the project proponent shall obtain fresh CRZ clearance
<b>PPs Submission:</b> Complied The effluent quantity to be discharged is well within the prescribed limit of 20514 KLD as per the existing CRZ clearance only. Details uploaded.		Date: 26/11/2025
4	MISCELLANEOUS	No banned pesticides/chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
<b>PPs Submission:</b> Complied No banned pesticides/chemical is manufactured nor is any banned raw material used.		Date: 26/11/2025
5	Risk Mitigation and Disaster Management	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
<b>PPs Submission:</b> Complied All the environmental protection measures and safeguards proposed in the documents as well as the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project have been implemented.		Date: 26/11/2025

6	WATER QUALITY MONITORING AND PRESERVATION	The treated effluent of 20514 KLD proposed to discharge to the estuary of Par river through pipeline, shall conform to the standards prescribed under the Environment (Protection) Act, 1986. The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal
<b>PPs Submission:</b> Complied The treated effluent is meeting with standards stipulated by state pollution control boards discharge norms. Details uploaded.		Date: 26/11/2025
7	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emissions shall be installed for the measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises
<b>PPs Submission:</b> Complied Online monitoring system for stack and effluent monitoring is already been made and connected to CPCB server. Details uploaded.		Date: 26/11/2025
8	MISCELLANEOUS	The storage of toxic/hazardous raw material shall be bare minimum with respect to their quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
<b>PPs Submission:</b> Complied The storage of toxic/hazardous raw material is bare minimum with respect to their quantity and inventory. Details uploaded.		Date: 26/11/2025
9	Human Health Environment	Occupational health centre for surveillance of the workers' health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection
<b>PPs Submission:</b> Complied Occupational health surveillance of the workers is carried out on a regular basis as per section-41 C of the factories act and rule-68T of Gujarat Factories Rules and records are maintained.		Date: 26/11/2025
10	MISCELLANEOUS	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall also be provided to employees.
<b>PPs Submission:</b> Complied Company is providing training which cover all relevant workplace policies, procedures and practices to ensure that staff have the appropriate skills and knowledge to perform their work.		Date: 26/11/2025
11	MISCELLANEOUS	The unit shall make arrangement for the prevention and protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms. Action plan proposed shall be implemented in letter and spirit.
<b>PPs Submission:</b> Complied CO2 flooding system is installed as an active fire protection system in MCC / PCC panels. A well designed Fire hydrant system is adequate and as per standards. Complied		Date: 26/11/2025
12	MISCELLANEOUS	Solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent

		leakages.(c) Solvents shall be stored in a separate space specified with all safety measures.(d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done(e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.(f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
<b>PPs Submission:</b> Complied a)Condensers with chilling systems are provided at point of Solvent recovery to minimized vapour loss. b)We have provided seals at all Reactors and pumps in order to prevent leakage. c) Spent solvents are recovered as far as possible all venting equipment are provided with condenser system and scrubber provided with Sufficient Heat Transfer Area (HTA) which helps to achieved more than 95 percent recovery. d) We have made separate provision for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures. e) Earthing pit is provided in all electrical equipment wherever solvent handling is done. f) Entire plant is flame proof installations, storage tanks are provided with breather valve for all prevention of losses. Separate provision is made for solvent storage and is installed as per PESO regulation wherever applicable with all details of Storage area, operating temperature and pressure, types of possible hazards and control measures.		Date: 26/11/2025
13	AIR QUALITY MONITORING AND PRESERVATION	The Action plan submitted for controlling the particulate emissions in the factory shall be satisfactorily implemented.
<b>PPs Submission:</b> Complied The action plan submitted for controlling the particulates emissions in the factory is satisfactorily implemented. Details uploaded.		Date: 26/11/2025
14	AIR QUALITY MONITORING AND PRESERVATION	Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled up to 99.99% with effective chillers/modern technology.
<b>PPs Submission:</b> Complied All the VOCs/Fugitive emission are attached with chilled brine solution in secondary condenser for condensation of VOCs..		Date: 26/11/2025
15	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement, proposed to be met from Par River shall not exceed 16101.5 cum/day. Prior permission in this regard shall be obtained from the concerned regulatory authority.
<b>PPs Submission:</b> Complied The average water consumption for the report period is Avg. 11006 KL/day only, which is well within the limit. Details uploaded.		Date: 26/11/2025
16	MISCELLANEOUS	Storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
<b>PPs Submission:</b> Complied Company has harvest 11.02 Lakh KL rain water during 2025.		Date: 26/11/2025
17	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system

		into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	
	<b>PPs Submission:</b> Complied All the liquid ingredients are being charged through measure vessels and/or flow meters to control on quantity as per the stoichiometry. All the solid ingredients are charged after proper weighment only. All these meters and weighing machines are calibrated and records are maintained. Chemicals and solvents are handled in close handling system through pipe lines only. All the reactors are equipped with vents/stacks, which are connected to either vapor recovery system consisting of condensers, ejector/vacuum pumps and/or scrubbers. Genoscorb technology for solvent vapor recovery is also installed and working perfectly.		Date: 26/11/2025
18	GREENBELT	The green belt of at least 5-10 m width shall be developed/strengthened over nearly 33% of the total project area, mainly along the plant periphery/adjacent areas. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing. Trees have to be planted with spacing of 2m x 2m and number of trees has to be increased accordingly. The plant species can be selected that will give better carbon sequestration. The action plan proposed in this regard shall be implemented.	
	<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken a unique project named Sanjeevani this year and planted 1.76 lac trees of more than 50 species at all its locations globally		Date: 26/11/2025
19	GREENBELT	As proposed, the project proponent shall undertake plantation activities (7,000 plant) in the Parnera hill and other areas with the support of State Forest Department/Village Administration.	
	<b>PPs Submission:</b> Complied Company has already developed more than 36 percent of greenbelt in Atul complex Total Industrial Plot area: 1067118.27 sq.m Green belt area: 388848 sq.m (approx. 36 percent of total plot area) Atul is considered as one of the greenest chemical complex in world and we plant approx. 50000 plants every year. Plantation is common activity in celebration of various days, be it world Environment day or ozone day or Erath day. Company has undertaken a unique project named Sanjeevani this year and planted 1.76 lac trees of more than 50 species at all its locations globally		Date: 26/11/2025
20	MISCELLANEOUS	As committed, at least Rs. 4 lakhs shall be allocated for conservation of Schedule I species. The implementation report shall be submitted to the IRO, MoEFCC.	
	<b>PPs Submission:</b> Complied Our conservation plan is under approval and we will implement the same as per the final approval.		Date: 26/11/2025
21	PUBLIC HEARING	The activities and the action plan proposed by the project proponent to address the socioeconomic/ public concern and issues raised during public hearing in the study area shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit	
	<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of nearby localities. List of CSR activities uploaded.		Date: 26/11/2025

22	MISCELLANEOUS	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with fullfledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
<b>PPs Submission:</b> Complied Company is having separate Environmental Management Cell equipped with full - fledged laboratory facility to carry out the environment management and monitoring functions. Apart from this, one Environment Research Lab is also established for research work for the study of various aspects related to environment and its remedial measures. Company has developed a separate laboratory equipped with equipment such as pH meter, TDS meter, COD meter, Glass ware, gas chromatography system, and oven, muffle furnace, etc. to carry out testing of routine parameters. However sampling and testing is carried out by GPCB approved and company appointed consultant also. Currently the parameters measured in - house are pH, COD, TDS, MLVSS and MLSS.		Date: 26/11/2025
23	MISCELLANEOUS	The PP should submit the revised/final figures of project cost, CER budget, Environmental Management aspects etc., if any, after the split to the Ministry and its IRO. Accordingly, and if required, the PP shall apply for an amendment in the EC
<b>PPs Submission:</b> Complied There is no change in project cost, CER budget, Environmental Management aspects and the same is as per the EC split application only. And hence no amendment in EC required.		Date: 26/11/2025
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
<b>PPs Submission:</b> Complied We ensure that there is no further expansion or modifications related to EC in the plant. For any deviations or alteration in the plant we will opt prior permission from MoEF.		Date: 26/11/2025
2	Statutory compliance	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
<b>PPs Submission:</b> Complied We are complying with all the requirement of MSIHC rule 1989 as amended in October, 1994 and January, 2000 and having proper storage and handling system, Onsite emergency plan, Licenses, reporting, etc Details uploaded.		Date: 26/11/2025
3	ENERGY PRESERVATION MEASURES	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

<b>PPs Submission:</b> Complied We replace most of the conventional lights by LED lights		Date: 26/11/2025
4	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
<b>PPs Submission:</b> Complied The ambient and workplace noise level confirms to the standard prescribed under EPA. The same is being regularly monitored at regular interval for ensuring the compliance. Results uploaded		Date: 26/11/2025
5	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
<b>PPs Submission:</b> Complied Company is doing CSR activities for up gradation of surrounding area and well fare of nearby localities. List of CSR activities uploaded.		Date: 26/11/2025
6	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
<b>PPs Submission:</b> Complied EMP measures are implemented. Detail of recurring cost for report period is uploaded.		Date: 26/11/2025
7	MISCELLANEOUS	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
<b>PPs Submission:</b> Complied The clearance letter has been circulated to village Panchayat, Zilla Parishad, District Industries Centre.		Date: 26/11/2025
8	MISCELLANEOUS	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 to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
<b>PPs Submission:</b> Complied We regularly submit the half-yearly compliance report and same is being updated on website.		Date: 26/11/2025
9	MISCELLANEOUS	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned

		State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
<b>PPs Submission:</b> Complied The Environmental statement (Form-V) for each financial year ending 31st March is being submitted to State Pollution Control Board (GPCB) every year time to time on XGN portal as well as hard copy submission. Latest Form V for year 2024-25 is attached.		Date: 26/11/2025
10	MISCELLANEOUS	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
<b>PPs Submission:</b> Complied We have published the advertised in local newspapers in vernacular and English within stipulated time.		Date: 26/11/2025
11	MISCELLANEOUS	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.
<b>PPs Submission:</b> Complied We have communicated with the regional officer and MoEFCC towards the status of work and financial closure time to time		Date: 26/11/2025
12	MISCELLANEOUS	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
<b>PPs Submission:</b> Complied Noted.		Date: 26/11/2025
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>		N/A
<b>Additional Remarks:</b>		
<p><b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		



Atul Ltd

Project: CRZ clearance for proposed 4.0 km long treated effluent discharge pipeline in  
Par estuary, Dist. Valsad.

CRZ Compliance Report for CRZ Clearance no. ENV-1097-2942-P, dated January 17, 1998.

Report Period: April 2025 – September 2025

Sr No.	Condition	Compliance																																																																																	
1	The Company shall strictly adhere to all the provisions of CRZ notification of 1991 and subsequent amendments.	Noted and compliance ensured.																																																																																	
2	The company shall strictly adhere to the conditions stipulated by the Gujarat Pollution Control Board in their Consent order.	<b>Complied.</b> The company complies with all stipulated norms under various acts. Stipulation made in CCA by GPCB are being complied and the same is certified by the external agency, i.e. our Environmental auditors appointed by GPCB.																																																																																	
3	The company shall discharge the treated effluent meeting the norms prescribed by GPCB	<b>Complied.</b> The discharged effluent is meeting with standards stipulated by GPCB and values of various parameters of treated effluent is given in <b>Table1</b> The maximum values during the report period confirms that at no time the emission went beyond the stipulated standards.  Summary is given below: <table><tr><th rowspan="2">Sr No</th><th rowspan="2">Parameter</th><th rowspan="2">GPCB Norms</th><th colspan="3">Values for the period April 2025 – September 2025</th></tr><tr><th>Min.</th><th>Max.</th><th>Avg.</th></tr><tr><td>1</td><td>pH</td><td>5.5 to 9.0</td><td>6.74</td><td>7.7</td><td>7.1</td></tr><tr><td>2</td><td>Temperature °C</td><td>40 °C</td><td>30.1</td><td>31.3</td><td>30.7</td></tr><tr><td>3</td><td>Suspended solids mg/l</td><td>100</td><td>42</td><td>56</td><td>50.0</td></tr><tr><td>4</td><td>Oil and Grease mg/l</td><td>10</td><td>4.2</td><td>5.6</td><td>4.6</td></tr><tr><td>5</td><td>Phenolic Compounds mg/l</td><td>5</td><td>0.64</td><td>0.96</td><td>0.8</td></tr><tr><td>6</td><td>Cyanides mg/l</td><td>0.2</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>7</td><td>Fluorides mg/l</td><td>2</td><td>0.47</td><td>0.66</td><td>0.5</td></tr><tr><td>8</td><td>Sulphides mg/l</td><td>2</td><td>0.28</td><td>0.8</td><td>0.5</td></tr><tr><td>9</td><td>Ammonical Nitrogen mg/l</td><td>50</td><td>3.42</td><td>4.8</td><td>4.0</td></tr><tr><td>10</td><td>Arsenic mg/l</td><td>0.2</td><td>ND</td><td>ND</td><td>ND</td></tr><tr><td>11</td><td>Total Chromium mg/l</td><td>2</td><td>0.54</td><td>0.81</td><td>0.7</td></tr><tr><td>12</td><td>Hexavelent Chromium</td><td>1</td><td>ND</td><td>ND</td><td>ND</td></tr></table>	Sr No	Parameter	GPCB Norms	Values for the period April 2025 – September 2025			Min.	Max.	Avg.	1	pH	5.5 to 9.0	6.74	7.7	7.1	2	Temperature °C	40 °C	30.1	31.3	30.7	3	Suspended solids mg/l	100	42	56	50.0	4	Oil and Grease mg/l	10	4.2	5.6	4.6	5	Phenolic Compounds mg/l	5	0.64	0.96	0.8	6	Cyanides mg/l	0.2	ND	ND	ND	7	Fluorides mg/l	2	0.47	0.66	0.5	8	Sulphides mg/l	2	0.28	0.8	0.5	9	Ammonical Nitrogen mg/l	50	3.42	4.8	4.0	10	Arsenic mg/l	0.2	ND	ND	ND	11	Total Chromium mg/l	2	0.54	0.81	0.7	12	Hexavelent Chromium	1	ND	ND	ND
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			mg/l				
		13	Copper mg/l	3	0.29	0.61	0.5
		14	Lead mg/l	2	ND	ND	ND
		15	Mercury mg/l	0.01	ND	ND	ND
		16	Nickel mg/l	5	0.25	0.49	0.4
		17	Zinc mg/l	15	1.04	1.82	1.6
		18	Cadmium mg/l	2	ND	ND	ND
		19	Phosphate mg/l	5	1.74	2.26	2.0
		20	BOD (5 days at 20°C) mg/l	100	39.2	52.6	48.4
		21	COD mg/l	250	178	236	212
		22	Insecticide/Pesticide	Absent	ND	ND	ND
		23	Sodium Absorption Ratio	26	7.42	9.01	8.0
		24	Manganese mg/l	2	0.47	0.71	0.6
		25	Tin mg/l	0.1	ND	ND	ND
		26	Bio Assay Test	90% survival of fish after 96 hrs. in 100% effluent %	100 % survival of fish after 96 hrs. in 100 % effluent	100 % survival of fish after 96 hrs. in 100 % effluent	100 % survival of fish after 96 hrs. in 100 % effluent
		<p>The treated effluent quality at the ETP discharge point is regularly being monitored by the Environmental auditors appointed by GPCB.</p> <p>The river water quality at the discharge point is also regularly being monitored by GPCB. Agencies like NIO, Pollucon Laboratories Pvt. Ltd- MoEF approved agency, Envision Enviro Technologies Pvt. Ltd, Kadam Environment consultancy –NABET accredited have also done the monitoring during the years.</p>					
		<p><b>The company shall keep records of the quality of effluents being discharge during the tides as per the recommendations of N.I.O.</b></p>					
		<p><b>Complied.</b> We are keeping the records of quality effluents being discharged during the tides as per the recommendations of N.I.O.</p>					
4	The company shall submit the quarterly progress report of compliance of conditions.	<p><b>Complied.</b> We have submitted progress reports to the Forest and Environment Department of Gujarat during the pipe line installation work. Couple of reports were already submitted to</p>					

		Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.
5	The company shall bear all the cost of the agency to be appointed by the Government for overseeing/monitoring the project activities during construction/operational phases.	Noted and will be complied as and when it will come.
6	The company shall comply with all the recommendations, additional conditions and environmental safeguards prescribed in the report of NIO dated March, 1997.	<b>Complied.</b> Compliance to NIO recommendations are being followed. Copy of compliance report submitted to Forest and Environment Department of Gujarat was already submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.
7	The company shall submit an Environmental Audit Report every year.	<b>Complied.</b> Latest Environmental audit report by Man Made Textile Research Association, Surat for year 2024-25 is submitted to GPCB office vide dated August 18, 2025.
8	The company shall obtain the necessary permissions from different Government department/agencies under different laws/Acts.	<b>Complied.</b> We have received GPCB approval for operating 4Km line vide its consent letter no. 16399 dated December 22, 1998. Copy already submitted to Ministry vide our letter Atul/SHE/MoEF/Visit/3 dated April 4, 2017.
9	Any additional conditions which may imposed from time to time.	Noted and will be complied.

Table 1: Quality of treated effluent

Sr No.	Parameter	Results						GPCB Limits
		April 2025	May 2025	June 2025	July 2025	August 2025	September 2025	
1	pH	6.97	7.7	6.74	6.91	7.18	7.06	5.5 to 9.0
2	Temperature °C	30.7	31.3	30.9	30.6	30.1	30.4	40 oC
3	Suspended solids mg/l	56	56	48	51	47	42	100
4	Oil and Grease mg/l	4.3	4.8	4.6	4.2	5.6	4.2	10
5	Phenolic Compounds mg/l	0.92	0.64	0.96	0.91	0.74	0.826	5
6	Cyanides mg/l	ND	ND	ND	ND	ND	ND	0.2
7	Fluorides mg/l	0.48	0.66	0.52	0.61	0.47	0.532	2
8	Sulphides mg/l	0.36	0.8	0.48	0.53	0.39	0.286	2
9	Ammonical Nitrogen mg/l	4.18	4.8	4	4.08	3.75	3.42	50
10	Arsenic mg/l	ND	ND	ND	ND	ND	ND	0.2
11	Total Chromium mg/l	0.81	0.54	0.67	0.61	0.7	0.625	2
12	Hexavalent Chromium mg/l	ND	ND	ND	ND	ND	ND	1
13	Copper mg/l	0.61	0.47	0.59	0.46	0.38	0.298	3
14	Lead mg/l	ND	ND	ND	ND	ND	ND	2
15	Mercury mg/l	ND	ND	ND	ND	ND	ND	0.01
16	Nickel mg/l	0.32	0.25	0.35	0.49	0.42	0.374	5
17	Zinc mg/l	1.79	1.04	1.82	1.67	1.54	1.45	15
18	Cadmium mg/l	ND	ND	ND	ND	ND	ND	2
19	Phosphate mg/l	2.13	1.74	2.02	2.26	1.98	2.03	5
20	BOD (5 days at 20°C) mg/l	52.36	39.2	49.24	52.6	45.12	52	100
21	COD mg/l	236	178	226	218	206	212	250
22	Insecticide/Pesticide	Absent	Absent	Absent	Absent	Absent	Absent	Absent
23	Sodium Absorption Ratio	9.01	7.5	7.42	8.17	7.56	8.52	26
24	Manganese mg/l	0.71	0.47	0.69	0.53	0.48	0.631	2
25	Tin mg/l	ND	ND	ND	ND	ND	ND	0.1
26	Bio Assay Test	100% survival of fish after 96 hrs. in 100% effluent	100% survival of fish after 96 hrs. in 100% effluent	100% survival of fish after 96 hrs. in 100% effluent	100% survival of fish after 96 hrs. in 100% effluent	100% survival of fish after 96 hrs. in 100% effluent	100% survival of fish after 96 hrs. in 100% effluent	90% survival of fish after 96 hrs. in 100% effluent
		<b>Note:</b> ND is Not Detected.						