UTILITIES AND SERVICES

ATUL LTD

Atul 396020, Gujarat, India
Telephone: (+91 2632) 230000 | 233261 Telefax: (+91 2632) 233027 | 233619
CIN : L99999GJ1975PLC002859
Email: atul_infra@atul.co.in Website: www.atul.co.in

Ref : Atul/SHE/EC Compliance/05
Date : 27th January, 2017

Through Reg. AD Post

To,
Regional Head,
Regional Office, MoEF,
Bhopal.

Subject : Six Monthly Compliance on EC Condition

Reference : **1. EC F. No. J -11011/85/2009- IA II (I)**
2. EC NO.SEIAA/GUJ/EC/1(d)/340/2016

Respected Sir,

Please find attached herewith six monthly compliance report with respect to the above referred Environment Clearances granted to M/s Atul Ltd. Valsad, Gujarat for the period of July 2016-December 2016 and for June 2016 to November 2016 respectively.

We hereby request you to kindly validate the same including the earlier submitted reports.

Kindly do the needful and oblige.

Thanking you.

Yours truly,

For ATUL LIMITED,

(V. K. Patel)

Vice President –Utility & Services

Encl. : As stated above.

CC: 1. Mr. B. R. Naidu (Scientist 'E' & In charge), Central Pollution Control Board,
Zonal Office , Vadodara
2. The Member Secretary, Gujarat Pollution Control Board, Gandhinagar

January, 2017

COMPLIANCE REPORT

Report No. : - ATUL-05

MONITORING PERIOD: July 2016 to December 2016

M/s. Atul Ltd.

Atul, Valsad

Dist. – Valsad - 396020 Gujarat.

Project:

Atul Ltd is endeavoring to transform itself at the workplace and in the marketplace so as to become truly world-class in its chosen businesses and promoting Values which underline truthfulness, respect, collaboration, passion and accountability. Life with the Company therefore satisfies an individual personally and professionally

The products and formulations sold by Atul Ltd are used by around 4,000 customers belonging to diverse industries particularly Adhesives, Agriculture, Animal Feed, Automobile, Chemical, Composites, Construction, Cosmetic, Defense, Dyestuff, Electrical and Electronics, Flavor and Fragrance, Food, Glass, Home Care, Horticulture, Hospitality, Paint and Coatings, Paper, Personal Care, Pharmaceutical, Plastic, Polymer, Rubber, Soap and Detergent, Textile and Tyre.

In order to enhance focus and better serve customers, Atul has divided its portfolio of products into 41 product groups. The product groups are managed by 7 Businesses, namely Aromatics, Bulk Chemicals, Colors, Crop Protection, Floras, Pharmaceuticals, and Polymers, generally depending upon the industries served by them. Furthermore, each product has been made a part of either the Life Science Chemicals Segment or Performance and Other Chemicals Segment, so as to enhance understanding amongst investors.

Quintessentially, Atul consumes basic chemicals (such as Benzene, Phenol, Toluene) and natural resources (such as Coal, Salt, and Sulphur) and manufactures values added downstream chemicals. In addition to bulk sales, the Company has since 2004 commenced building and growing sales in small packs (brands), particularly in its Crop Protection and Polymers Businesses.

COMPLIANCE TO SPECIFIC CONDITIONS: As per EC F. No. J -11011/85/2009-IA II (I) dated 13th May 2009.

No.	SPECIAL CONDITION
I	**Industrial Waste water generation shall not exceed 17,216 m3/d.** Complied. The average wastewater generation for the report period is **7418 m3/day** only. Detail break up is given in Table1.
	23 m3/d High COD effluent shall be incinerated. Complied. There was **no High COD Waste water generation** and hence no incineration was done during this period.
	97 m3/d High TDS effluent shall be evaporated through MEE. Complied. The average High TDS Waste water evaporated in MEE was **86.2KL per day**. Detail break up is given in Table 2.

	Total quantity of 17283 m3/d shall be treated at company's own effluent treatment plant. Complied. The average wastewater discharged for the report period is **7418 m3/day** only. Detail break up is given in Table 1.
	Final Discharge of Treated effluent is being discharge into river par through 4 km line constructed by M/s Atul. Complied. The discharged effluent is meeting all pollution board limits and values of various parameters of treated effluent is given in Table 3.
	Ammonia bearing effluent shall be subject to ammonia recovery before mixing with normal effluent stream. Complied. Ammonia present in 4,4 DDS aq. effluent is recovered by stripping in packed column. The ammonia contained water from the stripper is condensed in condensor and recovered ammonia is recycled for production of 4,4 DDS. Details are given in Table 4.
	Phenol will be recovered from phenol containing effluent. Complied. 20 Kg phenol is recovered from effluent per one MT of 2,4 D production. A distillation column has been installed for phenol recovery. Data is given in Table 5.
	The treated effluent shall confirm the discharge norms. Complied. The discharged effluent is meeting all pollution board limits and values of various parameters of treated effluent is given in Table 3.
	The domestic effluent shall be disposed off through septic tank / soak pit. Complied.
ii	**The process emissions (SO_2, NH_3, Cl_2, and HCl, shall be scrubbed with Scrubbers. The emission shall be dispersed through stack of adequate height as per CPCB standard.** Complied. All the SO_2, NH_3, Cl_2, and HCl vents are being routed through adequate and properly designed scrubbing system. Chimney height, sampling port, etc. are as per the CPCB guidelines. Gaseous emissions from process units are monitored regularly on monthly basis. Details of stack results along with its height data is given in Table 6.
	The gaseous emission from the DG sets shall be dispersed through stack of adequate height as per CPCB standards. DG sets are being used only during emergency like blackout.

	Acoustic enclosures shall be provided to the DG set to control the noise pollution. All DG sets are having inbuilt acoustic enclosures and meeting the prescribed norms of noise levels.
	Furthermore, most of the process and flue gas stacks have been monitored through online monitoring system and also connected to GPCB and CPCB website.
iii	**The company shall upload the status of compliance of stipulated environmental clearance conditions including results of monitored data on its web site.** All the stipulated conditions are being complied.
	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. Complied. Compliance status report is regularly submitted to authority.
	The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as Stack emissions) or critical sectoral 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. Complied. The critical pollutants parameters are displayed at board at the company entrance. Details of stack results, ambient air monitoring and VOC measured in fugitive emission is given in Table 6, 7 and 8 respectively.
iv	**The company shall adopt cleaner production technology to minimize the quantity of fresh water requirement and process effluent generation.** - Complied. Company is fully devoted towards protection of environment and has successfully completed many cleaner production projects and will continuously improve further. We have already converted few of our plants as ZLD and are in process of converting many plants as ZLD. Our Ankleshwar unit is fully ZLD. Treated wastewater is being used in lime preparation at ETP, steam condensate is being collected and used in place of raw water, vacuum pump, gland cooling and other water is being collected and reused. Vacuum pumps are removed by installing centrifuge in place of neutch filter and water consumption is reduced. Cooling tower blow down water is used as fire hydrant make up and also used for dust suppression and fly ash quenching instead of fresh water. Water used for washing purpose is reused. Details of per day water consumption is given in Table 9.
v	**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. Complied. We have authorization for our own TSDF through GPCB notification no. GPCB/HAZ/GEN-55/9647 dated 13th March 2000 and NOC no. CTE-65621 dated 19/11/2014. Also we have valid authorization under our current CCA No. AWH-67717 for handling, storage and disposal of hazardous waste. Month wise solid waste disposal data for TSDF site is given in Table 10. Details of Solid Waste Generations is given in Table 11.
	The concerned company shall undertake measures for the firefighting facility in case of emergency. Compiled. We have two nos. of fire tenders, fully adequate hydrant system and trained staff, emergency response team(ERT) of trained workers, power supply from two source with emergency backup power provision from DG set as well grid and detailed on-site emergency plan. Mock drills are also carried out at regular interval. Furthermore, as per the new directives from the SPSCB, high calorific wastes is being sent for co-processing in cement industries and this eliminates possibility of fire.
vi	**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.** Complied. We are complying with all the requirement of MSIHC rule and having proper storage and handling system, Onsite plan, Licenses, reporting, etc.
	All Transportation of Hazardous chemicals shall be as per the MVA, 1989. Complied. TREM card and MSDS of chemicals are provided to transporter.
vii	**The company shall undertake waste minimization measures :** ➢ **Metering and control of quantities of active ingredients to minimize waste.** All raw materials are either properly measured in calibrated measuring tanks or flow meters are installed or weighed before charging to reactors. ➢ **Reuse of by products from the process as raw materials or as raw material substitutes in other processes.** Complied. Sodium Sulfate, Brine, MEE salt, Sodium hypochlorate, sodium thiosulfate are few by-products from the process which are used either as raw material or as substitute to raw materials in other processes. ➢ **Use of automated filling to minimize spillage.**

	Noted. Automated filling system for our agro products, polymers, resorcinol, dyes for small and bulk packing is provided. ➢ **Use of 'close feed' system into batch system.** Chemicals and solvents are handled in close handling system through pipe lines. ➢ **Venting equipment through vapor recovery system.** All reactor vents are connected through vapor recovery system consisting of condensers, ejector/vacuum pumps. Genosorb technology for solvent vapor recovery is adopted. ➢ **Use of high pressure hoses for equipment clearing to reduce wastewater generation.** Many equipment like reactors, spray dryers, condenser wherever necessary are being cleaned with high pressure sparger / jet.
viii	**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.** Complied. Fugitive emissions is being regularly monitored. Data for the period is given in Table 8. Besides this online monitors in work area for parameters like Chlorine, HCl, Phosgene are also installed.
ix	**The project authority shall provide chilled brine solution in secondary condensor for condensation of the VOCs.** Complied. All the solvent recovery systems are attached with chilled brine solution in secondary condenser for condensation of VOCs.
	The project authority shall ensure that solvent recovery shall not be less than 95% Complied. On an average solvent recovery is 96%.
	The VOC monitoring shall be carried in the solvent storage area and data submitted to the Ministry. Complied. VOC monitoring is being done and data are submitted through EC compliance report. Data for the period is given in Table 8.
x	**Solvent management shall be as follows:** ➢ **Reactor shall be connected to chilled brine condenser system.** Complied. Refer condition compliance (IX-1) as above. ➢ **Reactor and solvent handling pump shall have mechanical seals to prevent leakages.**

	Noted. ➢ **The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.** Complied. Refer above condition compliance (IX-2). ➢ **Solvents shall be stored in a separate space specified with all safety measures.** Complied. Solvents are stored in tank yards. ➢ **Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.** Complied. ➢ **Entire plant shall be flame proof.** Complied. Jumpers, flame proof electrical fittings and proper earthing are provided. ➢ **The solvent storage tanks shall be provided with breather valve to prevent loses.** Complied. Breather valves have been provided to all solvent storage tanks.
xi	**Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.** Complied.
	Company shall develop an area of 33% green belt and selection of plant species shall be as per the guideline of CPCB. Complied. Company has developed green belt and dense plantation inside the factory in area more than 33 % of total land. Company is having green belt development plan and planting more than about 50000 plants per year on regular basis.
xii	**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.** Complied. Company has recently constructed 6000 KL capacity pond to harvest rain water, which is the almost 75% of our per day requirement. We are creating facility/ capacity to cater our consumption with rain harvested water with zero river drawls of water during the rainy days. Besides this, there are three check dams and pumping facility to harvest rain water. We also construct temporary sand bag dam on top of dam towards the end of monsoon to store additional free flowing rain water in river Par.

	In addition to above, surface runoff water and roof top water is used to recharge bore wells.
	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. Complied. Occupational health surveillance of the workers is being done on regular basis and record maintained as per the factory act which is shown in Table 12.

General Conditions:

No.	GENEARL CONDITION
i	**The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.** Noted. The company complies with all stipulated norms under various acts.
ii	**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.** Expansion carried out is strictly as per the project proposal submitted to MoEF.
iii	**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.** It is being complied and we will continue its compliance in future as well.
iv	➢ **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.** Complied. Details of stack results is given in Table 6. ➢ **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.** It is being complied and we will continue its compliance in future as well. Details of stack result is given in Table 6.

v	**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.** Complied. Company has installed monitoring stations as per EC guidelines and regular monitoring is being done as mentioned above. Details of ambient air quality results is given in Table 7.
vi	➢ **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.** Complied. Details of stack results along with its height data is given in Table 6. ➢ **The scrubber water shall be sent to ETP for further treatment or sell to actual end users.** Complied. The water from scrubber is being sent to ETP.
vii	➢ **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.** Acoustic hood, silencer and acoustic enclosures and insulation are provided at appropriate high noise area like turbine, DG set, vents etc. ➢ **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)** Noise level is regularly monitored around the source and within the plant boundaries and its data are given in Table 13 and 14.
viii	➢ **Training shall be imparted to all employees on safety and health aspects of chemicals handling.** Complied. Company is imparting training to all new employees as well as regular employees at regular intervals. Safety precautions and hazards are also being communicated through display boards at appropriate places in the plants. ➢ **Pre-employment and routine periodical medical examination for all employees shall be undertaken on regular basis.** Pre medical checkup and routine medical checkup for the employees is being done on regular basis. Data are submitted in Table 12.
ix	**Usage of PPE's by employee/ workers shall be ensured.**

	Complied. Company have PPE policy in place and is strictly followed. Company is providing adequate PPEs to all the employees.
x	**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.** Complied. Company has complied all the environmental protection measures and safeguards proposed in the report apart from the recommendations made their in.
xi	**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:** Complied. Company is doing CSR activities through its Atul Rural Development Fund trust and is specially designed for up gradation of surrounding area and well fare of nearby localities. List of CSR activities carried out in nearby villages and schools is given in Table 15.
xii	**The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.** Complied as mentioned in XI above and is provided in Table 15.
xiii	**A Separate environmental management cell equipped with full flagged laboratory facility shall be set up to carry out the environmental management and monitoring function.** Complied. Company has already set up a 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 established for research work for the study of various aspects related to environment and its remedial measures. Organogram of Environment Health & Safety is attached as Annexure 1. Also company has developed a separate laboratory equipped with equipment such as pH meter, TDS meter, COD meter, Glass ware, gas chromatography system, oven, muffle furnace, inhofe Cone etc. to carry out testing of routine parameters. However sampling and testing is carried out by GPCB approved and company appointed consultant. Currently the parameters measured in-house are pH, COD, TDS, MLVSS, and MLSS.
xiv	**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. A budget is prepared for every coming six months and separate fund is allocated towards environmental management. Total expenditure for Jan -2016 to June 16 is given in Table 16.
xv	**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.** Complied.
xvi	**The implementation of the project vis-à-vis environmental action plan shall be monitored by Ministry's Regional office at Bhopal / SPCB / CPCB.** Complied.
xvii	**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 http://www.envfor.ni.in. 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.** Complied.
xviii	**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.** This is the existing project in production as oldest chemical unit and financial institutions have already approved our appraisal and we have obtained NOC and consolidated consent and authorization from GPCB.

Table 1: Month wise data for waste water generation. (in KL)

	July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	Total
Month wise	336319	195770	165426	198007	222168	247202	1364892
Per day	10849	6315	5514	6387	7406	7974	7418

Table 2: Month wise data for MEE (In KL)

	July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	Total
Month wise	2416	1658	2540	2861	3341	3036	15852
Per day	77.9	53.5	84.7	92.3	111.4	97.9	86.2

Table : 3: Quality of treated effluent :

Sr. No.	**Parameter**	**Effluent Sampling Date**						**GPCB Limits**
		July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	
1	pH	7.62	7.0	7.4	7.0	8.1	7.2	5.5-9.0
2	Colour (Pt. Co. Scale)	38	62	73	37	84	68	---
3	Temperature (^oC)	32	28	29	29	29	26	40
4	Suspended Solids	67	84	36	62	76	52	100
5	Phenolic Compounds	0.6	0.7	0.58	0.2	0.6	0.4	5.0
6	Cyanide	ND	ND	ND	ND	ND	ND	0.2
7	Sulphide	0.84	0.8	1.2	0.5	ND	ND	2.0
8	Ammonical Nitrogen	14.52	42.3	30.5	26.4	23	42	50
9	BOD	34.2	26	18	33.2	52	36	100
10	COD	218	238	236	210	238	221	250
11	Hexa. Chromium Cr^{+6}	ND	ND	ND	ND	ND	ND	1.0
12	Total Chromium Cr^{+2}	0.86	0.3	0.7	0.5	0.12	0.2	2.0
13	Fluorides	ND	ND	ND	ND	ND	ND	2.0

Note :

ND is not detectable

Unit of measurement is mg/l else specified

Table 4 : Ammonia Recovery data (in MT)

July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	Total
320	325	320	580	565	620	2730

Table 5 : Phenol Recovery data (in MT)

	July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	Total
DCP crude distilled	1537.404	1524.18	1566.873	1325.705	1529.766	1527.486	8964.56
2,4DCP recovered	1348.6	1337	1374.45	1162.9	1341.9	1339.9	7863.65
2.6DCP recovered	100.593	100.275	103.083	87.216	99.08	99.914	587.63
OCP/Residue	88.211	86.905	89.34	75.589	88.786	87.672	513.28

Table 6 : Stack Details : Attached separately.

Table 7 : Ambient Air Monitoring details

Station	Parameter	Limit microgm/NM3	July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16
66 KV	PM 2.5	60	24	24	22	18	20	23
	PM10	100	51	52	50	46	49	56
	SO2	80	11.3	10.7	11.2	10.5	10.6	10.5
	NOx	80	12.2	11.2	11.6	11.3	11.8	11.6
Opposite Shed D	PM 2.5	60	_	23	_	23	_	23
	PM10	100	_	48	_	48	_	48
	SO2	80	_	10.2	_	10.2	_	10.2
	NOx	80	_	11.3	_	11.4	_	11.4
	Ammonia	850	_	8.6	_	ND	_	ND
	HCl	200	–	ND	_	ND	_	ND
Near West site ETP	PM 2.5	60	_	25	_	28	_	28
	PM10	100	_	52	_	53	_	53
	SO2	80	_	10.8	_	10.5	_	10.5
	NOx	80	_	11.7	_	11.8	_	11.8
	Ammonia	850	_	ND	_	ND	_	ND
	HCl	200	_	ND	_	ND	_	ND
Near North ETP	PM 2.5	60	_	24	_	25	_	25
	PM10	100	_	56	_	57	_	57
	SO2	80	_	11.2	_	9.8	_	9.8
	NOx	80	_	12.4	_	10.8	_	10.8
	Ammonia	850	_	ND	_	ND	_	ND
	HCl	200	_	ND	_	ND	_	ND
TSDF	PM 2.5	60	_	22	_	22	_	22
	PM10	100	_	50	_	55	_	55
	SO2	80	_	11.4	_	11.5	_	11.5
	NOx	80	_	12.8	_	12.2	_	12.2
	Ammonia	850	_	ND	_	ND	_	ND
	HCl	200	_	ND	_	ND	_	ND
Main Guest House	PM 2.5	60	27	_	21	_	26	_
	PM10	100	51	_	45	_	52	_

	SO2	80	10.5	_	9.2	_	10.6	_
	NOx	80	12.4	_	11.4	_	11.6	_
	Ammonia	850	8.6	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
Wyeth Colony	PM 2.5	60	26	_	26	_	24	_
	PM10	100	50	_	59	_	49	_
	SO2	80	10.8	_	10.6	_	10.8	_
	NOx	80	13.2	_	12.8	_	11.8	_
	Ammonia	850	ND	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
Gram panchayat hall	PM 2.5	60	24	_	19	_	20	_
	PM10	100	48	_	48	_	46	_
	SO2	80	11.6	_	11.2	_	10.4	_
	NOx	80	12.5	_	11.9	_	11.2	_
	Ammonia	850	ND	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
Main office, North site	PM 2.5	60	29	_	24	_	24	_
	PM10	100	56	_	57	_	49	_
	SO2	80	11.2	_	10.2	_	10.8	_
	NOx	80	12.8	_	12.2	_	11.8	_
	Ammonia	850	ND	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
Haria water tank	PM 2.5	60	31	28	22	23	25	23
	PM10	100	57	54	48	46	42	46
	SO2	80	10.2	10.6	10.2	11.2	9.8	11.2
	NOx	80	11.8	11.2	11.8	12.3	10.3	12.3

Table 8 : Fugitive Emission Monitoring details

Plant	Area	Parameter	Prescribed Limit	Results of VOCs in Microgram per NM3					
				July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16
2,4 D	Reactor	Phenol	19	0.182	0.192	0.148	0.105	0.106	0.144
	Buffer tank	Chlorine	3.0	0.176	0.104	0.104	0.187	0.156	0.108
Resorcinol	Benzene storage tank area near vent	Benzene	10	3.14	4.82	2.54	1.06	2.84	1.94
	Near Extraction/scrubber unit	Butyl acetate	-	ND	ND	ND	ND	ND	ND
Pharma	At second floor work area	Ammonia	0.8	0.71	0.69	0.74	0.81	0.62	0.71
	Ammonia recovery area	Ammonia	0.8	0.62	0.682	0.79	0.73	0.68	0.77
Epoxy - I	At vacuum pump 2nd floor	ECH	10	6.22	6.81	7.64	6.98	7.68	7.94
	At vessel POS 1208 G.F	ECH	10	6.46	5.94	8.22	7.92	8.15	8.71
Shed H		Nitrobenzene	5	0.64	0.75	0.448	0.863	0.437	0.437
Shed J		Chlorine	3	0.105	0.394	0.185	0.443	0.176	0.176

Table 9 : Water Consumption details

Month	Raw Water Consumed (In Liters)	
	Month	Day
Jul 16	386574000	12470129
Aug 16	217517000	7016677
Sep 16	174133000	5804433
Oct 16	215225000	6942742
Nov 16	246853000	8228433
Dec 16	274669000	8860290

Table 10 : Month wise Solid waste disposal data for TSDF site (In MT.)

July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	Total
741.36	712.53	729.48	812.36	771.11	824.67	4591.51

Table 11 : Solid Waste Generations details

Sr. No.	Type of waste	Category	Qty. per month in Kgs.						Disposal
			July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	
	Waste Data for TSDF								
1	Al. Hydroxide	26.1	0	0	0	0	0	2850	TSDF
2	Iron Sludge	26.1	0	0	0	24000	9400	12000	TSDF
3	Iron Residue	26.1	11210	13530	12780	6490	2870	19710	TSDF
4	Brine Sludge	16.3	0	0	0	17710	11440	22500	TSDF
5	ETP/Gypsum Sludge	34.3	722900	699000	700900	726500	695900	721300	TSDF
6	Inci. Ash	36.2	150	0	0	0	0	0	TSDF
7	Salt from MEE	-	0	0	0	22160	37900	30610	TSDF
8	Hyflow	29.1	7100	0	15800	15500	13600	15700	TSDF

	Waste Data for Incinerator								
9	Higher Amino	23.1	0	0	0	0	0	0	Incinerator
10	Filter cake of Epoxy Resins	23.1	0	0	0	0	0	0	Incinerator
11	Epoxy Resin	23.1	83050	96670	93620	92390	86410	100530	Incinerator/ Co processing
12	Still & Other residue (CP)	29.1	940	0	0	0	0	0	Incinerator
13	Still & Other residue (CO)	26.1	0	0	0	0	0	0	Incinerator
14	Spent Carbon	28.2	5840	35610	36750	38890	36420	40940	Incinerator/ Co processing
15	Darco	26.1	0	0	0	0	0	0	Incinerator

Table 12: Summary of occupational health

Sr. No.	**Month of Examination**	**Total No. of Employees**
1	Quarter 2 (16-17)	1238
2	Quarter 3 (16-17)	1501

Table 13: Noise level monitoring data (Day Time)

Sr. No.	Location	Noise Level, dBA						Permissible Limits, dBA
		July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	75
1	Near Main guest house	68	65	61	63	68	66	75
2	Near TSDF	65	63	65	62	65	64	75
3	At Wyeth Colony	67	67	66	65	61	62	75
4	Gram Panchayat Hall	61	63.5	64	64	58	59	75
5	Near Main Office	64	66	67	60	65	66	75

	North site							
6	ETP North site	63.5	69	68	65	67	68	75
7	Opposite shed D	68.5	61	63	68	64	65	75
8	ETP Wesr site	59	57	69	67	67	63	
9	Water tank Haria road	69	64	63	60	61	59	75
10	Near 66KVA substation	66	62	59	58	58	57	75

Table 14: Noise level monitoring data (Night Time)

Sr. No.	Location	Noise Level, dBA						Permissible Limits, dBA
		July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	70
1	Near Main guest house	58	55	56	58	62	60	70
2	Near TSDF	59	56	59	54	60	58	70
3	At Wyeth Colony	52	54	58	53	56	56	70
4	Gram Panchayat Hall	55	58	60	62	52	54	70
5	Near Main Office North site	49	52	61	65	59	61	70
6	ETP North site	63	61	63	58	62	60	70
7	Opposite shed D	57	54	55	51	57	58	70
8	ETP West site	49	61	58	57	61	56	70

9	Water tank Haria road	61	58	56	59	56	53	70
10	Near 66KVA substation	63	60	61	56	52	52	70

Table 15: List of CSR activities

	CSR activities during 16-17
1	Distributed 11630 note books, 2735 pencils, erasers, and ballpen etc. to students of 23 primary school students.
2	Set up library at Sarvajanik Madhyamik Shala Parnera, Supply of Furniture for Library.
3	Food Material supply to 85 students for Chhataralaya Mama Bhacha , every month including cooking facility.
4	Construction of Compound wall at Primary School Magod Dungri .
5	Painting work at Primary school Haria village as per requirement of School Authority.
6	Seva Day was organized at Moti Korvad Ashram Shala, Moti Korvad, Dharmpur . Cloths and food material distributed to approx. 2000 tribal people and provided lunch thereafter.
7	Donation given to Mass Marriage at Chadra Moleshwar Mahadev Temple.
8	Help to flood effected people Valsad Parid village repair and construct of cluster and distribution of Blank ket.
9	Sanitation programme held at Parnera, Atar, Dived, Chanvai, Haira, Magod Dungri , Anjalv, Chanvai and Parnera 593 Units completed in the 2016 -17 .
10	40 LED street light provided to Parnera Village.
11	Supply of Dustbin to Dived village under the scheme of Swchh Bharat Abhiyan.
12	Colour work at Bhakti Shed and Temple Binwada Village.
13	Distribution of fertilizer to Farmer Haria Khedut Mandal , Haria project (104 couples)
14	15 Blood donations camp organized and total 1319 units blood collected.
15	7 eye camps organized and Total 2073 patients covered during eye camps.

Table 16 : Total expenditure for July -2016 to December 16

Expenditure for months	**Particular**	**Expenses Rs.**
July 2016 to December-2016 Including, recurring maintenance, modifications and monitoring.	Fuel	2843171
	Chemicals(Raw Material)	67293613
	Electricity	28334819
	Waste disposal	701002
	Salary	14537721
	Maintenance & modifications	12086043
	Monitoring	1851112
	Total	127647480

Table 6: Stack Monitoring Details

Sr. No.	Stack Details	Permissible Limits	Stack Height m	Paramenter	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value
Atul East Site																
1	Phosgene Plant	0.1 ppm	15	Phosgene	1/12/2016	ND	11/11/2016	ND	6/10/2016	ND	8/9/2016	ND	4/8/2016	ND	1/7/2016	ND
2	Dechlorination Plant	9.0 mg/Nm3	35	Cl 2	16/12/16	4.6	11/11/2016	4.9	6/10/2016	4.6	8/9/2016	4.1	4/8/2016	4.5	1/7/2016	4.2
		20.0 mg/Nm3		HCI		5.6		5.1		4.2		4.5		5		5.2
3	Common stack of Hcl Sigri unit 1& 2	9.0 mg/Nm3	25	Cl 2		5.2		4.2		3.8		3.6		4.2		4.6
		20.0 mg/Nm3		HCI		4.8		4.4		4.8		4		4.4		4.8
FCB																
4	Foul Gas Scubber	40.0 mg/Nm3	26.5	SO2		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit	8/9/2016	3	4/8/2016	2	1/7/2016	2.2
		25.0 mg/Nm3		NOx								5.8		5.2		6
Sulfuric Acid (East Side)																
5	Sulfuric Acid plant	2.0 kg/T	30	SO2	7/12/2016	0.7	11/11/2016	0.8	6/10/2016	0.6	9/9/2016	0.8	5/8/2016	0.5	2/7/2016	0.4
		50.0 mg/Nm3		Acid Mist		5.3		5.6		5.2		5.3		5.1		5.3
6	ChloroSulfonic Acid plant reactor	9.0 mg/Nm3	11	Cl 2		6.2		5.1		4.6		4.8		4.3		4.8
		20.0 mg/Nm3		HCI		5.9		5.7		5.4		5.2		4.9		5.1
Incinerator																
7	Incinerator	150.0 mg/Nm3	40	PM	18/12/16	20	18/11/16	17	7/10/2016	22	9/9/2016	19	5/8/2016	23	2/7/2016	25
		40.0 mg/Nm3		SO2		4		5		5		4		6		5
		25.0 mg/Nm3		Nox		12.2		11.8		10.1		11.2		12.5		12.1
NI Plant																
8	Foul Gas Scubber	40.0 mg/Nm3	26.5	SO2	29/12/16	5.2	25/11/16	4.6	7/10/2016	4	9/9/2016	4.2	5/8/2016	4.6	2/7/2016	4.2
		25.0 mg/Nm3		Nox		4.6		5.1		4.3		4.8		5.3		5.1
NBD Plant .																
9	Spray Dryer	150.0 mg/Nm3	21	PM		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
2-4-D Plant																
10	Chlorinator, 2,4 D plant	9.0 mg/Nm3	26.5	Cl2	10/12/2016	5.4	4/11/2016	4.8	7/10/2016	4.6	9/9/2016	5	5/8/2016	4.8	2/7/2016	5.2
		20.0 mg/Nm3		HCI		5.8		5.6		5		5.3		4.2		5.6
11	Chlorinator, 2,4 D plant	9.0 mg/Nm3	26.5	Cl2		4.8		5.2		5.1		4.8		4.6		5.2
		20.0 mg/Nm3		HCI		6.2		4.6		3.9		4.2		5.3		5.4
12	Chlorinator, 2,4 D plant	9.0 mg/Nm3	26.5	Cl2	9/12/2016	2.2		1.8		1.2	10/9/2016	1.5		1.2	7/7/2016	1.4
		20.0 mg/Nm3		HCI		4.3		3.8		3.4		3.6		3.1		3.4
13	Chlorinator, 2,4 D plant	9.0 mg/Nm3	26.5	Cl2		3.8	5/11/2016	3.5	8/10/2016	2.8		3		2.4		2.8
		20.0 mg/Nm3		HCI		5.2		5.7		5.4		5.8		5.1		5.5
14	Chlorinator, 2,4 D plant	9.0 mg/Nm3	26.5	Cl2		2.8		2.4		2.1		2.6		2.2		2.6
		20.0 mg/Nm3		HCI		5.4		4.6		4.2		3.7		2.6		3
15	Common Scrubber; 2,4D Plant	9.0 mg/Nm3	5	Cl2		2.6		2.3		1.8		1.5	6/8/2016	1.2		1.4
		20.0 mg/Nm3		HCI		5.6		5.7		5.1		4.8		4		5
16	Dryer-1	20.0 mg/Nm3	26.5	PM with Pesticide		3.8		3.5		3.2		2.6		2.1		2.4
17	Dryer-2	20.0 mg/Nm3	26.5	PM with Pesticide		5.2		4.9		4.6		3.7		3.2		3.2
18	Dryer-3	20.0 mg/Nm3	26.5	PM with Pesticide	8/12/2016	3.6		3.2		3.7		3.4		2.7		2.9
19	Dryer-4	20.0 mg/Nm3	26.5	PM with Pesticide		5.2		5.4		4.8		4		3.1		3.7
20	Common Scrubber; 2,4D Plant	---	5	Phenol		ND		ND		ND		ND		ND		ND

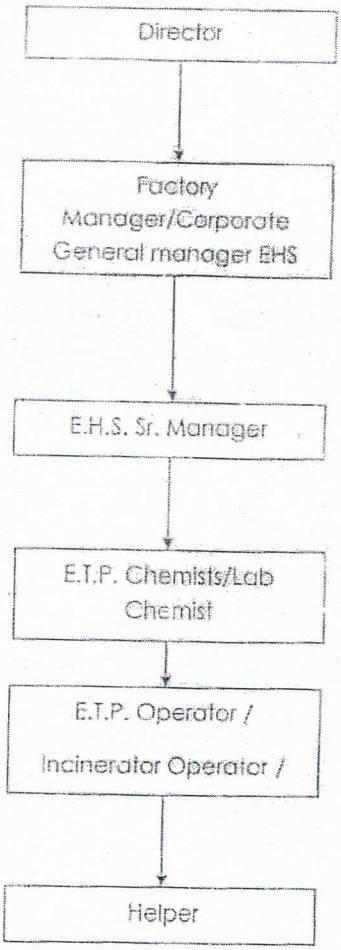
CP Plant		Permissible Limits	Stack Height m	Paramenter	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained d Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value
21	MCPA	9 mg/NM^3	19	Cl_2		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		20 mg/NM^3		HCL												
		40 mg/NM^3		SO_2												
22	Fipronil	40 mg/NM^3	19	SO2		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		20 Mq/Nm3		HCL												
23	Imidacloprid	175 Mg/Nm3	20	NH3		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
24	Pyrathroids	40 Mg/Nm3	19	SO2		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		20 Mq/Nm3		HCL												
25	Stack at Amine Plant	175 Mg/Nm3	5	NH3	2/12/2016	9			28/10/16	7.3	23/9/16	9	19/8/16	7	29/7/16	8
MPSL Plant																
26	Phosgene Scrubbr at MPSL	0.1 ppm	7	Phosgene	7/12/2016	ND			28/10/16	0.03	23/9/16	0.02		0.01	29/7/16	0.02
27	Central Scrubber at MPSL	0.1 ppm	7	Phosgene	7/12/2016	ND				0.03		0.02	19/8/16	0.01		0.01
NICO Plant																
28	Central scrubber at Nico Plant	---	12	Acetonytryle, IPA		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
Ester Palnt																
29	Scrubber at Ester plant for Glyphosate	10 Mg/Nm3	12	Formaldehyde						Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit	29/7/16	2.1
30	Central Scrubber MCPA Plant	20 Mg/Nm3	19	HCL		Not Runnig During Visit		Not Runnig During Visit								Not Runnig During Visit
Atul West Site																
31	Shed A7/14/41 Reaction pan/ D tank	2.0 mg/Nm3	19	Bromine		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		25.0 mg/Nm3		NOx												
32	Shed B2/12/24 Reaction Vessel	9.0 mg/Nm3	19	Cl2	14/12/16	3.8		3.8		4		4.2		3.8		4.2
		20.0 mg/Nm3		HCI		4.8		4.8		4.3		4.8		5.2		5
33	Shed C5/20/15 Chlorinator	9.0 mg/Nm3	19	Cl2	14/12/16	5.2		5.2		3.8		3.6		4.8		5.8
		20.0 mg/Nm3		HCI		5.6		5.6		5.4		5		4.6		5.2
34	Shed D Niro Spray dryer No.45	150.0 mg/Nm3	19	PM	1/12/2016	6.2		6.2		5.2		5.2		5.2		6
35	Shed D Niro Spray dryer No. 50	150.0 mg/Nm3	19	PM		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		5.4		6.2
36	Shed E 7/12/49 Spray Dryer	150.0 mg/Nm3	19	PM		Not Runnig During Visit	25/11/16	Not Runnig During Visit	13/10/16	Not Runnig During Visit	15/9/16	Not Runnig During Visit	6/8/2016	Not Runnig During Visit	8/7/2016	Not Runnig During Visit
37	Shed F 6/1/15 Reaction Vessel	9.0 mg/Nm3	19	Cl2		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		20.0 mg/Nm3		HCI												
38	Shed G 10/8/1 (receiver)	9.0 mg/Nm3	19	Cl2		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		20.0 mg/Nm3		HCI												
39	Shed H 1/6/17 Chlorinator	9.0 mg/Nm3	19	Cl2	2/12/2016	3.1		3.6		3.2		3.7		3.2		3.8
		20.0 mg/Nm3		HCI		5.7	25/11/16	5.2		5.6		5.1		4.4		4.8
40	Shed K K-13/3/4 Final of Sulfuric acid plant	2.0 kg/T	19	SO2		0.8		0.6		0.4		0.3		0.2		0.3
		50.0 mg/Nm3		Acid Mist		4		3		4		3		4		3

Atul North Site		Permissible Limits	Stack Height m	Paramenter	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value	Date of Sampling	Obtained Value
41	N-FDH Plant Catalytic Incinerator	150.0 mg/Nm3	31.5	PM	29/12/16	25		21		24		22		28		30
		40.0 mg/Nm3		SO2		5.4		5.1	13/10/16	5.5	15/9/16	4		5		6
		25.0 mg/Nm3		Nox		5.8	24/11/16	5.6		6		5		7		9
		10.0 mg/Nm3		Formaldehyde		ND		ND		ND		ND		ND		ND
42	PHIN Plant	0.1 ppm	15.5	Phosgene		ND		ND	14/10/16	ND	16/9/16	ND	11/8/2016	ND	8/7/2016	ND
43	DCDPS Plant	---	30	SO3		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
44	DDS Plant	175 Mg/Nm3	20	NH3	28/12/16	Not Runnig During Visit		Not Runnig During Visit	27/10/16	5.3	22/9/16	5.6	19/8/16	6.8	28/7/16	7.2
45	SPIC II Plant	---	30	SO3		2.2				2.8		3.2		4.1		4.3
46	SPIC I Plant	175 Mg/Nm3	30	NH3		3.6				Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
Details of Flue gas stack																
East site																
	FBC boiler El	150.0 mg/Nm3	34	SPM		38		36		27		29		32		36
		100 ppm		SO2		35		34		31		33		35		38
1		50 ppm		Nox		32		31		34		31		32		36
2	FBC boiler E2	150.0 mg/Nm3	34	SPM		36		33		29		26		31		34
		100 ppm		SO2		31		32		35		36		38		36
		50 ppm		Nox		33		35		37		34		31		34
3	FBC boiler No.3	150.0 mg/Nm3	50	SPM	29/12/16	34	17/11/16	32	14/10/16	32	16/9/16	31	11/8/2016	36	14/7/16	33
		100 ppm		SO2		32		36		37		37		39		37
		50 ppm		Nox		36		33		35		33		37		33
4	Hot Oil Unit (Resorcinol Plant)	150.0 mg/Nm3	32.5	SPM		ND		ND		ND		ND		ND		ND
		100 ppm		SO2		ND		ND		ND		ND		ND		ND
		50 ppm		Nox		24		26		28		26		28		26
West Site																
5	FBC boiler W1	150.0 mg/Nm3	45	SPM		32		30		31		30		32		37
		100 ppm		SO2		37		35		33		34		34		36
		50 ppm		Nox		35		33		36		37		38		39
6	Coal fired Boiler W1	150.0 mg/Nm3	35	SPM		Not in use		Not in use		Not in use		Not in use		Not in use		Not in use
		100 ppm		SO2												
		50 ppm		Nox												
7	Coal fired boiler W2	150.0 mg/Nm3	35	SPM		Not in use		Not in use		Not in use		Not in use		Not in use		Not in use
		100 ppm		SO2	30/12/16		25/11/16									
		50 ppm		Nox												
8	Hot Oil Plant shed-B	150.0 mg/Nm3	19	SPM		ND		ND		ND		ND		ND		ND
		100 ppm		SO2		ND		ND	15/10/16	ND	16/9/16	ND	11/8/2016	ND	14/7/16	ND
		50 ppm		Nox		27		25		23		26		28		30
9	Oil burner Shed B (Standby)	150.0 mg/Nm3	17	SPM		STAND BY		STAND BY		STAND BY		STAND BY		STAND BY		STAND BY
		100 ppm		SO2												
		50 ppm		Nox												
10	Boiler (50 TPH 2 Nos)	50.0 mg/Nm3	108	PM	31/12/16	39	25/11/16	38								
		100 ppm		SO2		34		36								
		50 ppm		Nox		31		33								
		--		Mercury		ND		ND								
11	DG set 1500 KVA (Standby)	150.0 mg/Nm3	12	SPM		STAND BY		STAND BY								
		100 ppm		SO2												
		50 ppm		Nox												
North Site																
12	Thermic fluid heater of DCO/DAP Plant	150.0 mg/Nm3	12	SPM	31/12/16	58	25/11/16	62	15/10/16	65		Not Runnig During Visit		Not Runnig During Visit		Not Runnig During Visit
		100 ppm		SO2		49		51		55						
		50 ppm		NOx		34		32		35						

Annexure I

Figure 1

Organogram of Environment Health & Safety Management Cell



Compliance to EC No. SEIAA/GUJ/EC/1(d)/340/2016

Sr. No.	A.1 SPECIFIC CONDITION:
1.	Unit shall comply the emission standards mentioned in the Notification by MOEF&CC vide S.O. 3305(E) dated 07/12/2015.
	Complied. Installed 4 Field ESP and 106 Mtr tall chimney.
2.	All measures shall be taken to prevent soil and ground water contamination.
	Noted.
3.	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.
	Noted and will be submitted
	A.2:WATER:
4.	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. Permission from the Concern authority for additional water requirement shall be obtained.
	Noted. We already have permission from Government of Gujarat for this additional requirement.
5.	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.
	Complied.
6.	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.
	Complied.
7.	There shall be no discharge of industrial effluent from the proposed project in any case.
	Complied.

8.	Domestic waste water generation shall not exceed 1 KL/day Which shall be disposed of into soak system.
	Complied.
9.	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.
	Complied.
10.	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.
	Complied.
11.	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.
	Partially implemented and will be completed before monsoon.
	A.3AIR:
12.	Existing two coal fired steam boilers shall be replaced with two AFBC Boilers having capacity 50 TPH each.
	Two old stoker fired boilers have already been dismantled for upcoming new AFBC boiler.
13.	Fuel (Indian coal/and or Imported coal and or Lignite) to the tune of 16725 MT/M shall be used for proposed boilers.
	Complied.
14.	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.
	Noted and will be maintained.
15.	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 Flyash (Including bottom ash) shall be put in place.

	Noted and will be maintained.
16.	Height of flue gas stacks attached to boilers shall be minimum 74.58 meters.
	Height of the stack is 108 meters.
17.	A flue gas stack of 74.58 m height shall be provided with online monitoring system to proposed steam Boiler. Mercury gas emission from stacks shall also be monitored on periodic basis.
	Height of the stack is 108 meters. Online monitoring system for SPM, SOx and NOx is already been made. Photograph attached as Annexure 1. Stack result by GPCB is attached as Annexure 2.
18.	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.
	Total 4 field ESP has been installed and commissioned to meet further stringent requirement also.
19.	Third party monitoring of the functioning of ESP along with efficiency shall be carried out once in a year through a reputed institute / organization.
	Noted and will be done.
20.	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.
	A system to inject lime stone powder and meeting with the prescribed norms of SO2 is already been installed and interconnected with the online emission monitoring system.
21.	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.
	Our company is ISO 14001 certified company and regular preventive maintenance of all the critical equipment is a part of our system.
22.	Diesel to the tune of 300 Lit/hr shall be used as a fuel in stand –by D. G. Set (1500 KVA).

	Noted.
23.	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 seta to mitigate the noise pollution.
	Noted.
24.	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.
	Online monitoring system for SPM, SOx and NOx is already been made.
25.	Adequate storage facility for the fly ash in terms of closed silos shall be provided at site. No shall be constructed.
	Two silos of 330 m3 capacity for fly ash and one silo of 45 m3 for bottom ash are provided.
26.	Handling of the fly ash shall be through a closed pneumatic system.
	It is already provided.
27.	Ash shall be handled only in dry state.
	Complied.
28.	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.
	Complied. Fly ash generated data given in Table 1.
29.	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 & Health) Following Indicative guidelines shall be also be followed to reduce the fugitive emission. •All handing & transport of coal & Lignite shall be exercised through covered coal conveyors only. Already been considered and provided. •Enclosure shall be provided at coal / Lignite loading and uploading operations. Already been considered and provided.

	•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. Already been considered and will be followed. •All transfer points shall be fully enclosed. Already been considered and provided. •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. Already been considered and provided. •Accumulated coal dust / fly ash on the ground and surfaces shall be removed / swept regularly and water the area sweeping. Noted and will be followed. •Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. We have already been constructed RCC roads. •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. Noted and will be followed. •A green belt shall be developed all around the plant boundary and also the roads to mitigate fugitive & transport dust emission. Noted and will be followed.
30.	Regular Monitoring of ground level concentration of PM2.5, PM10, NOx, 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 lf 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.
	We are regularly monitoring PM2.5, PM10, NOx, SO2 in ambient air and will be continued monitoring. Ambient Air data given in Table 2.
	A.4 SOLID/ HAZARDOUS WASTE:

31.	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.
	Noted and will be complied time to time.
32.	Hazardous waste sludge shall be packed stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.
	Complied. There is not any generation of waste in this project, however for rest of plant it is strictly done as per the valid CCA.
33.	The used oil shall be sold to only to the registered recyclers / refiners.
	Used oil is being sold to GPCB authorized vendors only
34.	The discarded containers / barrels /bags/ liners shall be sold only to the registered recycler.
	Decontaminated material is being sold to GPCB authorized vendors only.
35.	For storage of fly ash closed silos of adequate capacity shall be provided. No ash pond shall be construed in the project.
	Complied. Fly ash Silos 2 No's of storage capacity 300 Cu.M each have been installed. A separate bed ash silo of 100 Cu.M has been installed.
36.	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.
	Complied. Fly ash is being given to Cement and Bricks manufacturers and also being used for our own Bricks Manufacturing unit.
37.	All possible efforts shall be made for co-processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
	Noted and will be complied.
	A.5 SAFETY:
38.	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.
	Noted and will be complied.

39.	Necessary precautions like continuous monitoring of hot spot (lignite 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.
	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.
40.	All the risk mitigation measures, general & specific recommendations mentioned in risk Assessments Report shall be implemented.
	Complied.
41.	A well designed fire hydrants system shall be installed as per the prevailing standards.
	Complied.
42.	Personal protective Equipment shall be provided to worker and its usage shall be ensured and supervised.
	Being followed.
43.	First Aid Box and required antidotes for the chemical used in the unit shall be readily available in adequate quantity at all the times.
	Complied. First aid box are kept in each plant and at strategic locations whereas antidotes are kept in the medical Centre.
44.	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.
	Being done on regular basis as per the Factories Act & rules.
45.	Flameproof fittings shall be provided at the proposed power plant.
	Flame proof fittings are provided and being complied.
46.	Adequate firefighting facilities shall be provided at the proposed power plant.
	Complied.
47.	Proper ventilation shall be provide in the work area.
	Complied.

48.	All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.
	The roads are of high quality.
49.	The project management shall prepare a details Disaster management plan (DMP) for the project as the guidelines from Directors of Industrial safety and Health.
	Complied. Detailed disaster management plan is already prepared.
	A.6 NOISE:
50.	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. Complied. •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. Complied. •Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact. Complied. •Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided. Silencers, accoustic hood are provided. •Employees shall be provided with ear protection measures like earplugs or earmuffs. Complied. •Proper oiling lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation. Complied. • Construction equipment generating minimum noise vibration shall be chosen. Complied.

	• Ear plugs and / muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment. Complied. • Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate. Complied. • Construction equipment meeting the norms specified by EP Act, 1986 shall only be used. Complied. • Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas. Complied. • Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment. Complied.
51.	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,silences, 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.
	Complied. Silencers, accoustic hood are provided.
	A.7 GREEN BELT AND OTHER PLANTATION.
52.	The until 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.
	Complied. Green belt is developed and we planted more than 50000 plants every year.
53.	The until shall also taken 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.
	Being followed.
	B.OTHER CONDITIONS:

54.	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.
	Noted.
55.	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.
	Noted and being complied.
56.	All the recommendation of CREP guidelines as may be applicable from time to time shall be following vigorously.
	Noted and being complied.
57.	A separate environment management cell with qualified staff shall be set up for implementation of stipulated environmental safeguards.
	Noted and being complied.
58.	The project authorities must strictly adhere to stipulations made by the Gujarat Pollution Control Board (GPCB), state government and statutory authority.
	Noted and being complied.
59.	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.
	Noted.
60.	The above conditions will be enforced, inter-alla 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.
	Noted.
61.	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.

	Noted and being complied.
62.	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 repot as well as proposed by project proponent.
	Noted and being complied.
63.	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.
	Noted and being complied.
64.	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 language and the other in English. A copy each of the same shall be forwarded to the concerned Regional office of the Ministry.
	Complied. The advertisement copy attached as Annexure 3.
65.	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.
	Noted and will be complied.
66.	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.
	Noted and being complied.
67.	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.
	Noted.
68.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.

	Noted and will be complied.
69.	The SEIAA may revoke or suspend the clearance. If implementation of any of the above conditions is not found satisfactory.
	Noted.
70.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the stipulate additional conditions, if the same is found necessary.
	Noted.
71.	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.
	Noted.
72.	This environmental clearance is valid for seven years from the date of issue.
	Noted.
73.	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.
	Noted.

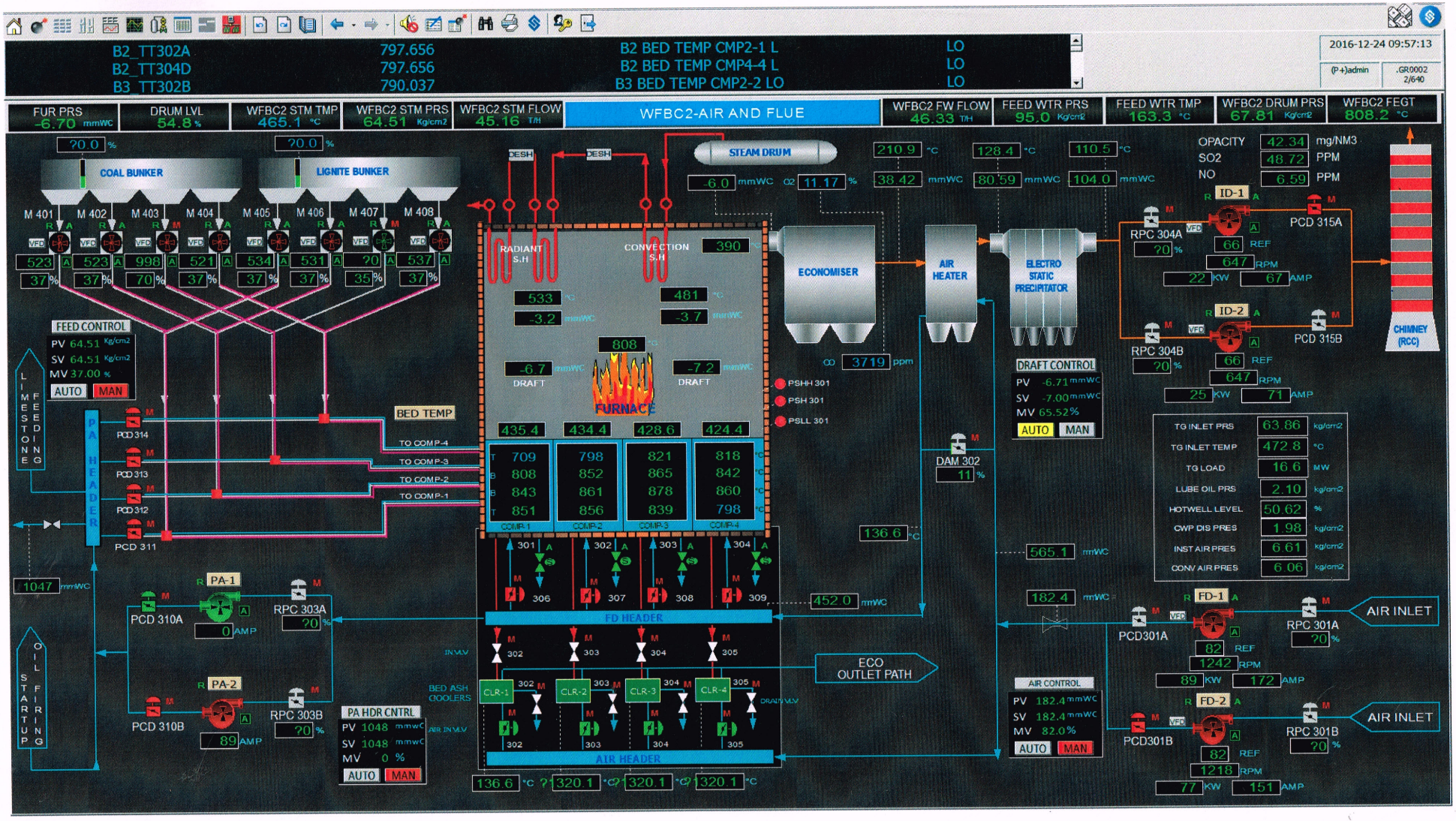
Table 1 : Fly ash generation and disposal details:

Fly Ash	Unit	June	July	Aug	Sept	Oct	Nov
Generation	MT	1990.21	3733.2	5144.64	5131.766	5777.73	5308.48
Disposal	MT	1990.21	3733.2	5144.64	5131.766	5777.73	5308.48

Table 2 : Ambient air monitoring:

Station	Parameter	Limit microgm/NM3	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
66 KV	PM 2.5	60	24	23	24	22	18	20
	PM10	100	51	56	52	50	46	49
	SO2	80	11.3	10.5	10.7	11.2	10.5	10.6
	NOx	80	12.2	11.6	11.2	11.6	11.3	11.8
Opposite Shed D	PM 2.5	60	29	_	23	_	23	_
	PM10	100	54	_	48	_	48	_
	SO2	80	10.2	_	10.2	_	10.2	_
	NOx	80	12.2	_	11.3	_	11.4	_
	Ammonia	850	8.6	_	8.6	_	ND	_
	HCl	200	ND	–	ND	_	ND	_
Near West site ETP	PM 2.5	60	32	_	25	_	28	_
	PM10	100	50	_	52	_	53	_
	SO2	80	11	_	10.8	_	10.5	_
	NOx	80	13.1	_	11.7	_	11.8	_
	Ammonia	850	ND	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
Near North ETP	PM 2.5	60	30	_	24	_	25	_
	PM10	100	53	_	56	_	57	_
	SO2	80	10.6	_	11.2	_	9.8	_
	NOx	80	12.4	_	12.4	_	10.8	_
	Ammonia	850	ND	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
TSDF	PM 2.5	60	34	_	22	_	22	_
	PM10	100	58	_	50	_	55	_
	SO2	80	11.5	_	11.4	_	11.5	_
	NOx	80	12.8	_	12.8	_	12.2	_
	Ammonia	850	ND	_	ND	_	ND	_
	HCl	200	ND	_	ND	_	ND	_
Main Guest House	PM 2.5	60	-	27	_	21	_	26

	PM10	100	-	51	_	45	_	52
	SO2	80	-	10.5	_	9.2	_	10.6
	NOx	80	-	12.4	_	11.4	_	11.6
	Ammonia	850	-	8.6	_	ND	_	ND
	HCl	200	-	ND	_	ND	_	ND
Wyeth Colony	PM 2.5	60	-	26	_	26	_	24
	PM10	100	-	50	_	59	_	49
	SO2	80	-	10.8	_	10.6	_	10.8
	NOx	80	-	13.2	_	12.8	_	11.8
	Ammonia	850	-	ND	_	ND	_	ND
	HCl	200	-	ND	_	ND	_	ND
Gram panchayat hall	PM 2.5	60	-	24	_	19	_	20
	PM10	100	-	48	_	48	_	46
	SO2	80	-	11.6	_	11.2	_	10.4
	NOx	80	-	12.5	_	11.9	_	11.2
	Ammonia	850	-	ND	_	ND	_	ND
	HCl	200	-	ND	_	ND	_	ND
Main office, North site	PM 2.5	60	-	29	_	24	_	24
	PM10	100	-	56	_	57	_	49
	SO2	80	-	11.2	_	10.2	_	10.8
	NOx	80	-	12.8	_	12.2	_	11.8
	Ammonia	850	-	ND	_	ND	_	ND
	HCl	200	-	ND	_	ND	_	ND
Haria water tank	PM 2.5	60	34	31	28	22	23	25
	PM10	100	59	57	54	48	46	42
	SO2	80	10.5	10.2	10.6	10.2	11.2	9.8
	NOx	80	12.3	11.8	11.2	11.8	12.3	10.3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B2_TT304D 797.656
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B2 BED TEMP CMP2-1 L LO
B2 BED TEMP CMP4-4 L LO
B3 BED TEMP CMP2-2 LO LO
2016-12-24 09:57:13
(P+)admin
.GR0002 2/640
FUR PRS -6.70 mmWC
DRUM LVL 54.8 %
WFBC2 STM TMP 465.1 °C
WFBC2 STM PRS 64.51 Kg/cm2
WFBC2 STM FLOW 45.16 T/H
WFBC2-AIR AND FLUE
WFBC2 FW FLOW 46.33 T/H
FEED WTR PRS 95.0 Kg/cm2
FEED WTR TMP 163.3 °C
WFBC2 DRUM PRS 67.81 Kg/cm2
WFBC2 FEGT 808.2 °C
COAL BUNKER
LIGNITE BUNKER
M 401
M 402
M 403
M 404
M 405
M 406
M 407
M 408
STEAM DRUM
RADIANT S.H
CONVECTION S.H
ECONOMISER
AIR HEATER
ELECTRO STATIC PRECIPITATOR
CHIMNEY (RCC)
OPACITY 42.34 mg/NM3
SO2 48.72 PPM
NO 6.59 PPM
ID-1
ID-2
PCD 315A
PCD 315B
RPC 304A
RPC 304B
FEED CONTROL
PV 64.51 Kg/cm2
SV 64.51 Kg/cm2
MV 37.00 %
AUTO MAN
LIMESTONE FEEDING
BED TEMP
TO COMP-4
TO COMP-3
TO COMP-2
TO COMP-1
PA HEADER
PCD 314
PCD 313
PCD 312
PCD 311
FURNACE
DRAFT CONTROL
PV -6.71 mmWC
SV -7.00 mmWC
MV 65.52%
AUTO MAN
DAM 302 11 %
PSHH 301
PSH 301
PSLL 301
TG INLET PRS 63.86 kg/cm2
TG INLET TEMP 472.8 °C
TG LOAD 16.6 MW
LUBE OIL PRS 2.10 kg/cm2
HOTWELL LEVEL 50.62 %
CWP DIS PRES 1.98 kg/cm2
INST AIR PRES 6.61 kg/cm2
CONV AIR PRES 6.06 kg/cm2
PA-1
PA-2
PCD 310A
PCD 310B
RPC 303A
RPC 303B
PA HDR CNTRL
PV 1048 mmWC
SV 1048 mmWC
MV 0 %
AUTO MAN
FD HEADER
AIR HEADER
ECO OUTLET PATH
BED ASH COOLERS
AIR CONTROL
PV 182.4 mmWC
SV 182.4 mmWC
MV 82.0%
AUTO MAN
FD-1
FD-2
PCD301A
PCD301B
RPC 301A
RPC 301B
AIR INLET
AIR INLET
STARTUP OIL FIRING

ANALYSIS REPORT FOR AIR
TYPE : Stack-Flue Gas

Sample ID:196496 - **Analysis Completion:06/10/2016**

Dyes And Dye-Intermediates. / LAB Inward : **35573**

Gujarat Pollution Control Board
Vapi
C5/124, GIDC Vapi,
Near Hotel Pritam,
Vapi - 396 195
Tele:(0260) 2432089

1. Name & : **Atul Limited - 23158**
2. Address of the Unit : **5, 6, 29, 30, 33, 34, 35, 37, 38, 80, 81, 84, 85, 91, etc.,AT & P.O.ATUL, Dist. Valsad, Pin: 39(**
ATUL - 396020,Taluka : Valsad, District : Valsad, GIDC : Not In Gidc
3. Nature of Sample : **REP-Representative/Grab , (Insp Type : APP-On Application)**
4. Sample Collected By : **Rana Jaimin C**
5. Date & Time of Collection & Receipt : **28/09/2016, (1200 to 1220)**
6. Date of Start & Completion of Analysis : **30/09/2016 & 06/10/2016**
7. Sampling Point : **Stack attach to Boiler ~ stack attached to boiler-22 MW power plant**
8. Fuel : **coal**
9. APCM : **ESP-4 field**
10. Thimble & Weight (gm) : **9862/10**
11. Temperature on Collection : **72 & Volume-Absord Media : SO2-50 ml, NOx-50 ml**
12. Volume-Gas Passed : **PM-480 lts, SO2-38 lts, NOX-1.526 lts**
13. Parameters : **3 & Oper Time(Min) : 20**

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	PM-Stack	MG/NM3	IS: 11255 (Part – 1), 1985 (Reaffirmed 1999)	1 – 5000 mg/NM3	46
2	SO2-Stack (PPM)	PPM	IS: 11255 (Part – 2), 1985 (Reaffirmed 2009)	5 – 500 mg/NM3	79.53
3	NOX-Stack	PPM	IS:11255(Part-7), 2005	5 – 500 mg/NM3	24.42

Laboratory Remarks : FREEZE By:445-lab_445 Dt.: 06/10/2016

J.D.OZA, Lab Head

Field Observation :

ગુજરાત સમાચાર (રવિવાર, તા. ૨૯ મે ૨૦૧૬

તા. : ૨૮/૦૫/૨૦૧૬ સ્થળ : સુરત શાખાના પ્રબંધક

Atul Limited, Post: Atul-396 020, Distt.:Valsad.

Atul Ltd. situated at Atul-396 020, Valsad has been accorded Environmental Clearance vide letter No.SEIAA/GUJ/EC/1(d)/340/2016 dated 20.05.2016 by the State Level Environment Impact Assessment Authority(SEIAA), Gujarat for the proposed project of additional 22 MW Captive Power Plant . The copy of the Environment Clearance letter is available with the SEIAA and may also be seen at website of the State Level Environment Impact Assessment Authority(SEIAA) at http://seiaa.gujarat.gov.in.

અતુલ લિમિટેડ, પોસ્ટ: અતુલ-૩૯૬૦૨૦, ડિસ્ટ્રીક્ટ :વલસાડ

આ સાથે જણાવવામાં આવે છે કે, ગુજરાત સરકારની સ્ટેટ લેવલ એનવાયર્નમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (SEIAA) દ્વારા અતુલ લિમિટેડ પોસ્ટ : અતુલ -૩૯૬૦૨૦, ડિસ્ટ્રીક્ટ : વલસાડ ને પત્ર ક્રમાંક SEIAA/GUJ/EC/1(d)/340/2016, તા. ૨૦ મે, ૨૦૧૬ ના રોજ સુચિત વધારાનાં ૨૨ મેગાવોટ કેપ્ટીવ પાવર પ્લાન્ટ માટેની પર્યાવરણીય મંજુરી આપેલ છે. આ પત્રની નક્લ સ્ટેટ લેવલ એનવાયર્નમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (SEIAA) ની કચેરી ઉપરાત સ્ટેટ લેવલ એનવાયર્નમેન્ટ ઈમ્પેક્ત એસેસમેન્ટ ઓથોરિટી (SEIAA) ની વેબસાઈટ http://seiaa.gujarat.gov.in ઉપર ઉપલબ્ધ છે.

સંદેશ SUNDAY, 29.05.2016

Atul Limited, Post: Atul-396 020, Distt. Valsad

Atul Ltd. situated at Atul-396 020, Valsad has been accorded Environmental Clearance vide letter No. SEIAA/GUJ/EC/1(d)/340/2016 dated 20.05.2016 by the State Level Environment Impact Assessment Authority (SEIAA), Gujarat for the proposed project of additional 22 MW Captive Power Plant. The copy of the Environment Clearance letter is a available with the SEIAA and may also be seen at website of the State Level Environment Impact. Assessment Authority (SEIAA) at http://seiaa.gujarat.gov.in

અતુલ લિમિટેડ, પોસ્ટ : અતુલ-૩૯૬ ૦૨૦, ડિસ્ટ્રિક્ટ : વલસાડ

આ સાથે જણાવવામાં આવે છે કે ગુજરાત સરકારની સ્ટેટ લેવલ એનવાયર્નમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (SEIAA) દ્વારા અતુલ લિમિટેડ પોસ્ટ : અતુલ-૩૯૬૦૨૦, ડિસ્ટ્રિક્ટ : વલસાડને પત્ર ક્રમાંક SEIAA/ GUJ/EC / 1(d) / 340/ 2016, તા. ૨૦ મે ૨૦૧૬નાં રોજ સુચિત વધારાનાં ૨૨ મેગાવોટ કેપ્ટીવ પાવર પ્લાન્ટ માટેની પર્યાવરણીય મંજૂરી આપેલ છે. આ પત્રની નકલ સ્ટેટ લેવલ એનવાયર્નમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (SEIAA) ની કચેરી ઉપરાંત સ્ટેટ લેવલ એનવાયર્નમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (SEIAA) ની વેબસાઈટ http://seiaa.gujarat.gov.in ઉપર ઉપલબ્ધ છે.