

Atul Bioscience Ltd

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Ref : ABL/SHE/EC Compliance/07 Date : December 31, 2018

Through Reg. AD Post

To, Regional Officer,

Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, E-5, Ravi Shankar Nagar, **Bhopal 462016,** Madhya Pradesh.

Subject : Six Monthly Compliance on EC Condition

Reference : EC F. No. J -11011/84/2009- IA II (I) dated 09.04.2009

Respected Sir,

Please find attached herewith six monthly compliance report for the period of May 2018 - October 2018 with respect to the above referred Environment Clearance granted to M/s Atul Bioscience Ltd. Valsad, Gujarat.

Trust the same is in order. Submitted for your record please.

Thanking you.

Yours truly,

For Atul Bioscience Ltd

H. M. Desai (General Manager- Assurance EHS)

Encl. : As stated above.

CC:

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

Marketing office: Lotus Corporate Park, C Wing, Floor 15, Western Express Highway, Goregaon (East), Mumbai 400 063 Maharashtra, India | Telephone: (+91 22) 39877700 Registered office: D-1, Riverside Colony 2, Atul 396 020, Gujarat, India CIN: U24230GJ1997PLC032369



Atul Bioscience Limited

Project: Change in product mix of organic chemicals

EC Compliance Report for the period May 2018-October 2018as per EC F. No. J -11011/84/2009-IA II (I) dated 09.04.2009.

No.	Condition	Compliance								
А.	Specific Condition									
i	The industrial effluent generation shall not exceed 326.8 m ³ /d. (Total process effluent generation after expansion will be 588.6 m ³ /d-	Complied . The average total industrial effluent generation for the report period is - 138 m ³ /day only which is well within the limit. Details given in below table:								
	ref. point 4 of EC)	Wastewater generation m ³ /Month	May-18 4242	Jun-18 4894	Jul-18 4643	Aug-18 4460	Sep-18	Oct-18	Total 25418	
		m ³ /day	136.8	163.1	149.8	143.9	120.7	114.8	138.1	
		time the was Summery is g Wastewater	iven be			-	e period	-		
		generation		value	Min.		Max.		vg.	
		Wastewater generation m ²		588.6	114.8	8	163.1		38.1	
	Out of 326.8 m ³ /d, 24 m ³ /d of high COD effluent shall be incinerated in the incinerator (of Atul Ltd as stated in point 4 of EC)	generation m³/d Complied. We have been segregating high COD streams (COD >50000 ppm) ar same is being taken for recovery to get economic benefit. Rest lea effluent of COD <2000 ppm is finally sent to ETP for treatment. All the high COD streams are being diverted to recovery system rath than incineration. Streams containing Solvents, oils, etc. are taken f the recovery of the same and reused. Hence, there is no High CO waste water stream remaining and therefore no incineration was dominant.							Rest lean nt. tem rather taken for High COD	
	Remaining 302.8 m ³ /d of normal effluent stream after mixing with other effluent like cooling tower (111.8 m ³ /d) shall be treated in ETP for primary and secondary treatment.	during this period. Complied . Normal effluent stream is further treated in Effluent Treatment Plant of Atul Ltd. (Ref. Point 4 of EC)							nt Plant o	

	The treated effluent after confirming to the prescribed	Comp	olied.					
	standards shall be discharged into estuary of river Par through a 4km long pipe line.	The treated effluent after confirming to the prescribed standards is						
		time t	naximum values during the the emission went beyond t below:	-	-			
		Sr. No.	Parameter	Norms	May-1	s for the 8 -Oct 1	8	
					Min.	Max.	Avg.	
		1	pH	5.5-9.0	6.9	7.5	7.2	
		2	Temperature	40 deg C	28.0	31.0	29.5	
		3	Colour (pt. co. scale)in units		20.0	48.0	33.3	
		4	Suspended solids	100 mg/l	24.0	62.0	43.8	
		5	Phenolic Compounds	5 mg/l	0.4	2.0	0.9	
		6	Cyanides	0.2 mg/1	0.0	0.0	0.0	
		7	Fluorides	2 mg/1	0.0	0.0	0.0	
		8	Sulphides	2 mg/1	0.1	0.3	0.2	
		9	Ammonical Nitrogen	50 mg/1	26.8	44.0	37.8	
		10	Total Chromium	2 mg/1	0.0	0.0	0.0	
		11	Hexavalent Chromium	1 mg/1	0.0	0.0	0.0	
		12	BOD (3 days at 27°C)	100 mg/1	38.0	42.0	40.0	
		13	COD	250 mg/l	190.0	232.0	218.0	
ii	Process emissions in the form of HCI shall be scrubbed with water and caustic scrubber and HCI recovered as by product.	Complied . Process emissions in the form of HCl is being recovered up to the possible extent and reused partially in process. Remaining HCl is scrubbed with water and caustic scrubber.						
	The emissions shall be dispersed through stack of	Comp	olied.					
	adequate height as per CPCB standards.	as pe monit pg. ne CPCB	missions is being disperse or CPCB standards. Gaseo cored regularly every month o. 13). The same is being n and GPCB.	us emissior and same a	ns from re given	process in Tabl	units are e 2 (Pl. see	
	The gaseous emissions from	Complied.						
	the DG sets shall be dispersed through stack of adequate height as per CPCB standards.	adequ The n	aseous emission from the I tate height as per CPCB star ninimum height of stack is (PCB).	ndards.	-		-	
		(ref. CPCB): $H = h+0.2x\sqrt{KVA}$ H = Total height of stack in meter h = Height of the building in meters where the generator set is installed $KVA = Total generator capacity of the set in KVA$						
	Acoustic enclosures shall be	Howe Comp	ver, DG sets are being used	only during	emerge	ncy.		
	provided to the DG set to	Comp	Jiicu.					
•••	control the noise pollution.		ets are having inbuilt acoust	ic enclosure	to cont	rol noise	e pollution.	
iii	The company shall upload the status of compliance of	Comp	plied.					
L	ine status of compliance of							

the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically.	condi And	tions includ	compliance of ling results of n viewed at: prt.pdf	nonitored (data is p	posted or	n our web site.
It shall simultaneously be sent	Comp	olied.					
to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board.	of MC Contr	EF, the rest ol Board.	us report is reg spective Zonal				
The criteria pollutant levels namely: SPM. RSPM, S02. 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 the company in the public domain.	 NOx as The critical pollutants parameters namely SPM, RSPM, S monitored regularly on monthly basis and displayed at company entrance. Il be to a Details of stack results, ambient air monitoring and VOC fugitive emission is given in Table 2, 3 and 4 respectively 						
	Sumr		ck results:	-	-		
	No.	Parameter	Standard values as	Unit	Values		period May
			per CCA		Min.	Max.	Avg.
	1	HC1	20	mg/Nm ³	3.2	17.2	11.48
	2	Cl_2	9		3.8	7.4	5.55
	Summ	nary of Am	bient Air Qua	lity result	s:		
	Stati	on	Parameter	Limit microgr /NM ³	Val n Maj	y 18- Oct	
				microgr /NM ³	Nal n <u>Ma</u> Min	y 18- Oct n. Max	t 18 x. Avg.
		nd MPP I	RSPM (PM2.5)	microgr /NM ³ 60	n Val Maj 22.	y 18- Oct n. Max 2 58.9	Avg. 9 39.2
	Behi	nd MPP I	RSPM (PM2.5) PM10	microgr /NM ³ 60 100	n Val Mai 22. 39.	y 18- Oct n. Max 2 58.9 8 99.	x. Avg. 9 39.2 1 70.2
	Behi	nd MPP I	RSPM (PM2.5) PM10 SO ₂	microgr /NM3 60 100 80	Val Mai 22. 39. 9.2	y 18- Oct n. Max 2 58.9 8 99. 26.7	x. Avg. 9 39.2 1 70.2 7 15.5
	Behin Plant	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx	microgr /NM3 60 100 80 80	Val Ma 22. 39. 9.2 11.	y 18- Oct n. Max 2 58.9 8 99. 2 38.4	x. Avg. 9 39.2 1 70.2 7 15.5 8 25.5
	Behin Plant	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5)	microgr /NM³ 60 100 80 80	n Val Ma 22. 39. 9.2 11. 18.	y 18- Oct Max 2 58.9 8 99. 26.7 38.4 2 53.1	k Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9
	Behin Plant Oppo	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx	microgr /NM ³ 60 100 80 80 60	Val Ma 22. 39. 9.2 11.	y 18- Oct Max 2 58.1 2 58.2 8 99. 26.2 38.3 2 53.4 4 97.5	x. Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2
	Behin Plant Oppo	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10	microgr 60 100 80 80 100	n Val Min 22. 39. 9.2 11. 18. 48.	y 18- Oct n. Max 2 58.9 8 99. 26.2 38.3 2 53.9 4 97.2 23.2 23.3	x. Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5
	Behin Plant Oppo	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂	microgr 60 100 80 60 100 80 80 80 80 80 80 80 80	Val Maj 22. 39. 9.2 11. 18. 48. 7.2	y 18- Oct n. Max 2 58.9 8 99. 26.2 38.3 2 53.9 4 97.2 23.2 23.3	x. Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5
	Behii Plant Oppo lab	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx	microgr 60 100 80 60 100 80 80 80 80 80 80 80 80 80 80 80 80	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14.	y 18- Oct Max 2 58.1 8 99. 26.2 38.4 2 53.1 4 97.2 23.2 53.3 4 97.2 38 30.4 34 34	k Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3
	Behii Plant Oppo lab	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5)	microgr 60 100 80 60 100 80 60 100 80 60 100 80 60 60 100 80 60 60	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19	y 18- Oct n. Max 2 58.9 8 99. 26.2 38.3 2 53.9 4 97.3 8 30.9 34 56.	k Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 1 41.2
	Behii Plant Oppo lab	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10	microgr 60 100 80 60 100 80 60 100 80 60 100 80 60 100 80 60 100	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31.	y 18- Oct Max 2 58.1 2 58.1 8 99. 26.2 38.1 2 53.1 4 97.1 23.1 30.4 34 56. 9.2 9.2	k 18 x. Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 41.2 8.1
	Behii Plant Oppo lab	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO2	microgr 60 100 80 60 100 80 60 100 80 60 100 80 60 100 80 80 80 80 80 80 80 80	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1	y 18- Oct Max 2 58.1 8 99. 26.2 38.1 2 53.1 4 97.1 23.2 53.1 4 97.1 34 30.4 4 56. 9.2 9.2	k Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 1 8.1 1 8.5
	Behii Plant Oppo lab	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO2 NOx	microgr 60 100 80 60 100 80 60 100 80 60 100 80 80 80 80 80 80 80 80 80 80 80 80	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1	y 18- Oct n. Max 2 58.9 8 99. 26.7 2 38.3 2 53.9 4 97.3 8 30.9 34 4 56. 9.2 10.	k Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 1 8.1 1 8.5
	Behin Plant Oppo lab 66 K	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO2 NOx Ammonia	microgr 60 100 80 60 100 80 60 100 80 60 100 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80	n Val Min 222. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0	y 18- Oct Max 2 58.4 2 58.4 8 99. 26.7 2 2 53.4 2 53.4 2 53.4 4 97.4 23.4 97.4 34 56. 9.2 10. 10.4 10.4	k Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 41.2 8.1 1 8.5 2 6.2
	Behin Plant Oppo lab	nd MPP I	RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO ₂ NOx RSPM (PM2.5) PM10 SO2 NOx Ammonia HC1	microgr 60 100 80 60 100 80 60 100 80 60 100 80 <tr< th=""><th>Val Maj 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0 0</th><th>y 18- Oct n. Max 2 58.9 8 99. 26.7 38.3 2 53.9 2 53.9 4 97.3 8 30.3 4 56. 9.2 10. 10.3 0</th><th>k. Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 1 8.1 1 8.5 2 6.2 0 0</th></tr<>	Val Maj 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0 0	y 18- Oct n. Max 2 58.9 8 99. 26.7 38.3 2 53.9 2 53.9 4 97.3 8 30.3 4 56. 9.2 10. 10.3 0	k. Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 1 8.1 1 8.5 2 6.2 0 0
	Behin Plant Oppo lab 66 K	nd MPP I	RSPM (PM2.5) PM10 SO2 NOx Aspendicular HC1 RSPM (PM2.5)	microgr 60 100 80 60 100 80 60 100 80 60 100 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 60 100 80 <t< th=""><th>Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0 0 9</th><th>y 18- Oct n. Max 2 58.9 8 99. 2 38.4 2 53.9 2 53.9 2 53.9 2 53.9 4 97.3 8 30.4 4 56. 9.2 10.3 10.3 0 37 58</th><th>Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 41.2 8.1 1 8.5 2 6.2 0 27.2 39.5</th></t<>	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0 0 9	y 18- Oct n. Max 2 58.9 8 99. 2 38.4 2 53.9 2 53.9 2 53.9 2 53.9 4 97.3 8 30.4 4 56. 9.2 10.3 10.3 0 37 58	Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 41.2 8.1 1 8.5 2 6.2 0 27.2 39.5
	Behin Plant Oppo lab 66 K	nd MPP I	RSPM (PM2.5) PM10 SO2 NOx RSPM (PM2.5) PM10 SO2 NOx RSPM (PM2.5) PM10 SO2 NOx Ammonia HC1 RSPM (PM2.5) PM10	microgr 60 100 80 60 100 80 60 100 80 60 100 80 80 80 80 80 80 80 60 100 80 60 100 80 60 100	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0 9 25	y 18- Oct n. Max 2 58.9 8 99. 26.7 2 38.3 2 53.9 4 97.3 2 33.3 8 30.9 34 4 56. 9.2 10. 10.1 0 37 58 10.3	Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 41.2 8.1 1 8.5 2 6.2 0 27.2 39.5 2 8.5
	Behin Plant Oppo lab 66 K	nd MPP I	RSPM (PM2.5) PM10 SO2 NOX RSPM (PM2.5) PM10 SO2 NOX RSPM (PM2.5) PM10 SO2 NOX Ammonia HC1 RSPM (PM2.5) PM10 SO2	microgr 60 100 80 60 100 80 60 100 80 60 100 80 80 80 80 80 80 80 60 100 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80	Val Mai 22. 39. 9.2 11. 18. 48. 7.2 14. 19 31. 7.1 6.5 0 9 25 6.5	y 18- Oct n. Max 2 58.9 8 99. 26.7 2 38.3 2 53.9 4 97.3 2 33.3 8 30.9 34 4 56. 9.2 10. 10.1 0 37 58 10.3	Avg. 9 39.2 1 70.2 7 15.5 8 25.5 9 39.9 2 77.2 2 16.5 4 21.7 28.3 1 41.2 8.1 1 1 8.5 2 6.2 0 27.2 39.5 2 8.5 2 8.5 2 8.5 2 8.2

Near West s	ite RSPM (PM2.5)	60	8	36	27.3
ETP	PM10	100	22	52	37.0
	SO2	80	5.5	9.8	8.2
	NOx	80	7.2	10.1	8.5
	Ammonia	850	0	0	0.5
	HC1	200	0	0	0
Near North E		60	10	37	26.3
	PM10	100	26	54	37.5
	SO2	80	7.2	10.2	9.1
	NOx	80	5.8	9.5	7.9
	Ammonia	850	0	12.8	4.3
	HC1	200	0	0	0
TSDF	RSPM (PM2.5)	60	9	35	27.0
	PM10	100	24	56	37.3
	SO2	80	6.8	9.8	8.7
	NOx	80	7.8	10.2	8.9
		80	0		0.9
	Ammonia			0	
	HC1	200	0	0	0
Main Gu House	. ,	60	21	31	26.5
	PM10	100	31	42	36.2
	SO2	80	6.2	9.5	8.1
	NOx	80	5.7	13.2	10.0
	Ammonia	850	0	0	0
	HC1	200	0	0	0
Wyeth Colony		60	12	33	26.2
	PM10	100	25	50	36.5
	SO2	80	4.4	9.7	7.3
	NOx	80	7.5	11.6	9.6
	Ammonia	850	0	0	0
	HC1	200	0	0	0
Gram	RSPM (PM2.5)	60	10	34	27.5
panchayat ha	PM10	100	22	51	38.0
	SO2	80	3.5	9.3	7.5
	NOx	80	6.5	12.8	10.1
	Ammonia	850	0	0	0
	HC1	200	0	0	0
Main offi	ce, RSPM (PM2.5)	60	22	31	26.5
North site	PM10	100	33	52	39.8
	SO2	80	7.1	9.2	8.5
	NOx	80	6.4	13.1	11.0
	Ammonia	850	0	0	0
	HCl	200	0	0	0
Haria wa		60	16	35	28.0
tank	PM10	100	33.2	51.8	42.5

Page **4** of **15**

			SO2	80		7.2	71	18.4
			NOx	80		6.8	8.6	7.9
			Ammonia			0.0	0	0
			HC1	20	0	0	0	0
			1101	20	0	Ű	Ű	Ŭ
		Summary of V	OC results:					
		Location	Parameter	Permissi limit mg			for the pe - Oct 18 Max.	eriod Avg.
		Ground Floor	Phosgene	0.4		BDL	0.056	0.018
		MPP2	Chlorine			BDL	2.1	0.51
		Ground Floor	Toluene	3 375		BDL 15	198	0.51 87
		MPP1	Toruene	375		15	198	07
iv The company shall ado cleaner production technolo to minimize the quantity fresh water requirement as process effluent generation.		Complied . Steam condens Various wash the process. Details of wate	water stream	ns are bei	ing utili	ized in t	he furth	
		Water Consum	-		ap 10 81			
		Period	-	nsumption	in			Total
			Process	Coolir	ıg	Domest	ic	
		May 18	821	428	0	2993		4242
		Jun 18	790	508		3596		4894
		Jul 18 Aug 18	963 998	502 482		3178 2980		4643 4460
		Sep 18	850	395		2376		3621
		Oct 18	718	388		2452		3558
V	The Company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans boundary movement) Rules. 2008 for management of hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. The concerned company	Complied . We have obtain 2008 and ava handling, stora	ilable in ou	ır valid c	urrent	CCA No		
	shall undertake measures for firefighting facilities in case of emergency.	We have two r trained staff, e supply from tw DG set as well	mergency rea vo source wi grid and deta	sponse tea th emerge ailed on-si	am(ERT ency ba ite emer) of train ckup po	ned work wer prov	ers, power vision from
vi	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules. 1989 as amended in October, 1994 and January, 2000	We are complying with all the requirement of MSIHC rule 19 amended in October, 1994 and January, 2000 and having storage and handling system, Onsite emergency plan, Lic n reporting, etc.					ing proper Licenses, A by GPCB	
		an authorized a	agency and r	nominated	l by GPG	CB; thro	ugh Envi	ronmental

All Transportation of Hazardous Chemicals shall be as per the MVA. 1989. Complied. Vii The company shall undertake following Waste Minimization measures :- The company shall undertake following Waste Minimization measures :-	s attached as
Hazardous Chemicals shall be as per the MVA. 1989. Transportation of Hazardous chemicals are being done as rule 1989. vii The company shall undertake following Waste Minimization measures :- Format and the state of the s	per the MVA
following Waste Minimization measures :-	
Metering quantities of active ingredients to minimize waste.Complied. All the liquid ingredients are being charged thro vessels and/or flow meters to control on quantity 	as per the after proper are calibrated
Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.Complied. HCl and Solvent recovered are being used as a in further steps.	raw material
Use of automated filling to minimize spillage. Complied. Filling is done on weighing balance many controlled manner to minimize spillage.	C C
Use of "Close Feed' system into batch reactors.Complied. All reactors are in close loop and con condensers having cooling tower water, Chilled water or supply for control of fugitive emission.	Brine water
Venting equipment through vapor recovery system.Complied. All the reactors are equipped with vents/stack connected to either vapor recovery system consisting of ejector/vacuum pumps and/or scrubbers.	condensers,
Use of high pressure hoses for equipment clearing to reduce wastewater generation.Complied. Many equipment like reactors, spray dryers wherever necessary are being cleaned with high pressure to reduce waste water generation.	sparger / jet
viii Fugitive emissions in the work zone environment, product, raw material storage area shall be regularly monitored. Complied. Fugitive emissions in the work zone environment material storage area is being regularly monitored by GPU third party. The emission is always being confirmed to the	CB approved
The emissions shall conform to the limits imposed by SPCB.Complied. The emissions confirms the limits. The max during the compliance period confirms that at no time the e went beyond the stipulated standards. Summary of st given in specific condition no. iii.The detailed results are given in Table 2. (Pl. are no. 1)	emission level stack results
ix The project authorities shall Complied. Chilled brine solution is provided in secondary of the s	•
provide the chilled brine solution in secondary condenser for condensation of the VOCs.	
The project authority shall ensure that the solvent recovery shall not be less	
than 95%.The VOC monitoring shall be carried in the solvent storage area and data submitted to theComplied. We are monitoring VOC as well as other chem area as per Factories Act and records are being maintaine 37.VOC monitoring done on regular bases and the results	ed in For No.
Ministry. Table 4 (Pl. see pg. no. 15). x Solvent management shall be as	
follows :	enser system
Reactor shall be connected to chilled bring condenses system	5,5tom
Reactor shall be connected to chilled brine condenser system Complied. Reactors are connected to chilled brine condenser system Reactor and solvent handling pump shall have mechanical seals to prevent leakages. Complied. Reactor and solvent handling pump do have seals to prevent leakages.	-

and residence time so as to achieve more than 95% recovery. Complied. Solvents are stored in tank farms in separate tanks with proper earthing, flame arresters, lightening ar					
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the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection	i	regular basis and records shall be maintained as per the Factories Act. Interal Conditions The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.
adequacy of conditions imposed and to add additional environmental protection	i	regular basis and records shall be maintained as per the Factories Act. Interal Conditions The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.
and to add additional environmental protection	i	regular basis and records shall be maintained as per the Factories Act. Interal Conditions The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.
environmental protection	i	regular basis and records shall be maintained as per the Factories Act. Ineral Conditions The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.
1	i	regular basis and records shall be maintained as per the Factories Act. Interal Conditions The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.
measures required, il any.	i	regular basis and records shall be maintained as per the Factories Act. The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.
	i	regular basis and records shall be maintained as per the Factories Act. The project authorities shall strictly adhere to the stipulations made by the GPCB. 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	1 Complied. exceeded th auditors, a Environmer Latest com Research C Last change which referr Further exp There is no	May 18 to Oct 18 The company adheres to be stipulation. This has been n authorized agency and htal audit every year. pliance report by S. N. I entre, Surat for year 17-18 e in product mix of organic red EC has been sought. bansion will be carried out a deviation or alteration mad	40 the compliances and has not n certified by our Environmental nominated by GPCB; through Patel Institute of Technology & is attached as Annexure I. chemicals was done in 2009 for fter prior approval of MoEF only.

iii	At no time, the emissions shall	Complied . Monthly monitoring is being done by GPCB approved, NABL					
	exceed the prescribed limits.	approved agencies.					
		At no time, the emissions exceeded the prescribed limits during report period.					
		Summary of stack emission is given in special condition iii.					
	In the event of failure of any	Complied . No such case happened during the compliance period.					
	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.						
iv	The Gaseous emission (NOx, HCl, SO2 and SPM) and	Complied . The gaseous emissions (HCl) from process units confirms to the standards prescribed by GPCB through CCA Gaseous emission is					
	Particulate matter along with RSPM levels from various process units shall confirm to	regularly monitored. Results given in Table 2 (Pl. see pg. no. 13).					
	the standards prescribed by the concerned authorities from time to time.						
	At no time, the emission levels						
	shall go beyond the stipulated standards.						
	stanuarus.	The maximum values during the compliance period confirms that at no time the emission level went beyond the stipulated standards.					
		Summary of stack emission is given in special condition iii.					
	In the event of failure of pollution control system(s)	Complied.					
	adopted by the unit, the	No such case happened during compliance period. Whenever such					
	respective unit shall not be	incident of failure of pollution control system happened, we will stop the					
	restricted until the control						
	measures are rectified to achieve the desired efficiency.						
	Stack monitoring for SO2, Nox						
	and SPM shall be carried.						
v	The Location of ambient air	Complied.					
	quality monitoring stations shall be decided in consultation	There are two locations have been decided in consultation with GPCB					
	with sated pollution control	so that at least one station is installed in the up wind and downwind					
	Board and it shall be ensured	direction as well as where maximum ground level concentration are					
	that at least one station is installed in the up wind and	anticipated for ambient air monitoring. The same had been shown to authority like SPCB, CPCB & MoEF during their visit to our factory.					
	downwind direction as well as						
	where maximum ground level	List of our ambient air monitoring station is given below:					
	concentration are anticipated.	No. Location					
		1 Behind MPP I Plant					
		2 Opposite R & D lab					
		Apart from this, 10 ambient air stations of Atul Ltd also monitors the					
		surrounding of ABL.					
vi	Dedicated Scrubbers and stacks	Complied.					
	of appropriate height as per the central pollution control board	Dedicated Scrubbers and stacks of appropriate height as per the central					
	guideline shall be provided to	pollution control board guideline have been provided to control the					
	control the emission from	emission from various vents.					
	various vents.	Details of stack results along with its height data is given in Table 2 (Pl.					
		see pg. no. 13).					
	The scrubber water shall be sent	Complied.					
	to ETP for further treatment or sell to actual end users.	The somether water is being sent to FTD for further treatment					
	sen to actual end users.	The scrubber water is being sent to ETP for further treatment.					

around the plant area shall be	Comp					
kept well within the standard by providing noise control measures including acoustic hoods silencers, enclosures etc. on all source of noise generation.	source of noise generation to keep over all noise level within t stipulated standards like DG set, 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)	The m time t	blied. mbient noise level confirm t naximum values during the he emission level went beyo level monitoring data (Da	compliance per ond the stipula	riod con	firms th	
	Sr. No.	Location	Permissible Limits, dBA		s for the 8- Oct 18	
			75	Min.	Max.	Avg
	1	Near Main guest house	75	60.8	67.4	64.8
	2	Near TSDF	75	62.5	67.2	64.
	3	At Wyeth Colony	75	59.8	65.5	62.
	4	Gram Panchayat Hall	75	60.3	68.4	62.
	5	Near Main Office North site	75	61.3	65.4	63.
	6	ETP North site	75	62.4	66.8	64.
	7	Opposite shed D	75	63.1	68.2	65.
	8	ETP West site	75	62.4	65.7	64.
	9	Water tank Haria road	75	60.8	64.3	62.
	10	Near 66KVA substation	75	61.6	64.9	63.
	Noise Sr. No.	level monitoring data (Ni	Permissible Limits, dBA	May 18	for the 1 8- Oct 18	
			70	Min.	Max.	Avg
	1	Near Main guest house	70	49.3	58.6	54.0
	2	Near TSDF	70	52.6	61.1	55.9
	3	At Wyeth Colony	70	48.2	53.7	51.3
	4	Gram Panchayat Hall	70	51.3	53.3	52.2
	5	Near Main Office North site	70	54.2	56.8	55.5
	6	ETP North site	70	50.3	54.7	52.6
	7	Opposite shed D	70	52.7	56.5	54.0
	8	ETP West site	70	52.2	55.2	53.9
	9	Water tank Haria road	70	47.2	54.4	50.4
	10	Near 66KVA substation	70	48.5	52.7	50
		10Near 66KVA substation7048.552.750.6Details are given in Table 5 and 6 (Pl. see pg. no. 15). Complied .Company is imparting training to all new employees as well as regular employees at regular intervals. Safety precautions and hazards are also				

	Pre-employment and routine periodical medical examination	Complied.				
	for all employees shall be undertaken on regular basis.	Company is doing all the new employment with pre medical checkup and routine medical checkup for on roll employee has been done on regular frequency.				
ix	Usage of PPE's by employee/ workers shall be ensured.	Complied . Company have PPE policy in place and strictly follow for all level of employee.				
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	and safeguards proposed in the rep made their in. Since the project did not requir recommendations mentioned. How	e environmental protection measures port apart from the recommendations re EIA or public hearing, no such wever, we are committed for healthy practices			
	mitigation measures relating to the project shall be implemented.					
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	Fund trust and is specially design	through its Atul Rural Development ned for up gradation of surrounding ties. List of CSR activities carried out able:			
	administration.	No. CSR activities during 18-19	(till Nov 2018)			
		teachers (Adhyapika)	o become skilled elementary school			
		3 Water Plant at College Nootan4 Provision of immediate relief to				
		5 Skill development (Atul Institu Ozarpada, Valsad				
		6 Improvement of hygiene throug villages,Valsad 7 Rural development initiatives I	gh construction of toilets in 27 Health Camps in nearby villages,			
		Valsad				
		9 Up gradation of medical equip	xills to blind people, Trivandrum ment in hospital at Laxmipura,			
		Sabarkantha 10 Up liftmen of Life of Salt Pan V	Vorkers Kharaghoda, Surendranagar			
		The summary of expense occurred is listed below:	in CSR activities for last three years			
		Budget for Financial year 18-19 (Rs. in lakhs)	Actual Expense during Apr-Nov 18 (Rs. in lakhs)			
		800.00	329.61			
xii	The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.					
xiii	A Separate environmental management cell equipped with full flagged laboratory facility shall be set up to carry out the		arent company Atul Limited where nent Cell equipped with full-fledged			

	environmental management and monitoring function.	laboratory facilities monitoring functions	to carry out the environments.	nt management and		
xiv	The project authorities shall provide adequate funds both 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.	been at place. Non recurring cost: Recurring cost: A separate budget is legal requirement sti of pollution control report period is given Expenditure for months May 2018-October 2018	s being allocated every year to pulated by SPCB, CPCB & MoE systems and facilities. Total	comply with all the F apart from upkeep		
		Including, recurring maintenance, modifications and monitoring.	Chemicals (Raw Material), Maintenance, modifications & Monitoring	53.54		
			Total	401.07		
xv xvi	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. The implementation of the project vis-à-vis environmental	Centre was distribut to Ministry vide our Complied . Ava http://www.atulbio.	o the Panchayat, Zila parishad ed on 11.11.2016. Copy of the letter Atul/SHE/MoEF/Visit/3 ilable at company's co.in/pdf/ABL-EC-Compliance d MoEF is monitoring through	same was submitted 3 dated 4.4.17. website at e-Report.pdf		
	action plan shall be monitored by Ministry's Regional office at Bhopal / SPCB / CPCB.					
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.	We informed the public through advertisement and by sending our I to local Panchayat, Zila parishad, District Industrial Centre for furth actions at their end.				
	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		published and copy of the san ter Atul/SHE/MoEF/Visit/3 d			

	the concerned Ministry's	
	Regional office at Bhopal.	
xviii	The project authorities shall	Complied.
	inform the Regional Office as	
	well as the Ministry, the date of	Start date : April 2009
	financial closures and final	Completion date : March 2010
	approval of the project by the	Final approval : We have obtained NOC and CCA from GPCB.
	concerned authorities and the	Company has funded the project internally and hence not submitted the
	date of start of the project.	financial closure details.
9	The Ministry may revoke or	Noted.
-	suspend the clearance if	
	implementation of any of the	
	above conditions is not	
	satisfactory.	
10	The Ministry reserves the right	Noted and will be complied.
10	to stipulate additional	noted and will be complied.
	conditions, if found necessary.	
	The company in a time bound	
	manner will implement these	
	conditions.	
11	Any appeal against this	Noted.
	Environment clearance shall lie	Noted.
	with the national appellate	
	authority, if preferred, within a	
	period of 30 days as prescribed	
	under section 11 of National	
	Environment Appellate	
	Authority Act, 1997.	
12	The above conditions will be	Noted.
14	enforced, inter-alia under the	Noted.
	provisions of the Water	
	(Prevention and Control of	
	Pollution) Act, 1974 the Air	
	((Prevention and Control of	
	Pollution) Act, 1981 the	
	Environment (Protection) Act,	
	1986. Hazardous Wastes	
	(Management, Handling and	
	Transboundry movement) Rules,	
	2008 and the Public Liability	
	Insurance Act, 1991 along with	
	their amendments and rules.	
	then amenuments and rules.	

Sr. No.	Parameter		Results						
		May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	+	
1	рН	7.2	7.5	7.2	7.1	7	6.92	5.5 to 9.0	
2	Temperature °C	31	30	29	28	29	29.8	40 °C	
3	Colour (pt. co. scale)in units	48	35	37	20	25	35		
4	Suspended solids, mg/l	62	55	46	44	32	24	100	
5	Phenolic Compounds, mg/l	0.8	0.5	0.7	2	0.7	0.4	5	
6	Cyanides, mg/l	ND	ND	ND	ND	ND	ND	0.2	
7	Fluorides, mg/l	ND	ND	ND	ND	ND	ND	2	
8	Sulphides, mg/l	0.2	0.3	0.2	0.1	0.2	0.1	2	
9	Ammonical Nitrogen, mg/1	26.8	42	44	36	42	36	50	
10	Total Chromium, mg/l	0.01	0.02	0.01	0.01	0.01	ND	2	
11	Hexavelent Chromium, mg/l	ND	ND	ND	ND	ND	ND	1	
12	BOD (3 days at 27°C), mg/1	42	38	42	38	42	38	100	
13	COD, mg/l	232	220	232	212	222	190	250	
Note	: ND is Not Detectable.	ı					1		

Table 1 : Quality of treated effluent

Table 2 : Stack Results

Stack Stack Parameter Permissible Resu					Results in Milligram per NM ³							
attached	Height		limit	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18			
to	m											
MPP1	5.00	HC1	20	12.6	17.2	17.2	3.2	7.4	11.3			
		Cl ₂	9	7.4	5.2	5.2	4.8	3.8	6.9			

Table 3 : Ambient Air Monitoring details

Station	Parameter	Limit microgm/NM ³	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18
	RSPM (PM2.5)	60	58.9	53.8	22.2	22.2	30.8	53.3
Debied MDD I Diset	PM10	100	99.1	97.2	36.8	36.8	56.1	81.7
Behind MPP I Plant	SO_2	80	26.7	21.8	9.4	9.4	9.2	27.2
	NOx	80	38.8	24.9	11.2	11.2	18.4	34.7
	RSPM (PM2.5)	60	53.9	44.8	18.2	33.8	33.8	41.3
Opposite D & D leh	PM10	100	90.8	88.9	48.4	72.2	72.2	76.3
Opposite R & D lab	SO_2	80	23.2	16.8	13.8	7.2	7.2	23.2
	NOx	80	30.4	33.4	16.6	14.8	14.8	29.1
66 KV	RSPM (PM2.5)	60	34	27	19	26	32	32

	PM10	100	56.1	47.4	40.9	31.4	32.1	39
	SO_2	80	8.7	7.1	8	7.1	8.6	9.2
	NOx	80	10	7.3	8.4	6.5	8.8	10.1
	Ammonia	850	10.2	7.8	0	9	10.2	0
	HC1	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	36	37	9	22	29	30
	PM10	100	58	54	25	32	33	35
	SO_2	80	10.2	7.9	6.5	9.1	8.2	9.1
Opposite Shed D	NOx	80	9.8	6.9	8.2	8.9	7.8	7.8
	Ammonia	850	16.4	16.4	0	0	0	0
	HC1	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	34	36	8	24	30	32
	PM10	100	52	51	22	33	34	30
	SO ₂	80	9.8	8.7	5.5	8.9	7.9	8.4
Near West site ETP	NOx	80	10.1	7.2	7.7	8.1	8.5	9.2
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HC1	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	37	27	10	22	31	31
	PM10	100	54	47	26	31	35	32
	SO ₂	80	8.9	10	7.2	10.2	9.1	8.9
Near North ETP	NOx	80	7.9	5.8	6.8	9.5	8.9	8.4
	Ammonia	850	12.8	12.8	0	0	0	0
	HCl	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	31	29	9	29	35	29
	PM10	100	56	42	24	30	38	34
	SO ₂	80	9.2	9.5	6.8	8.5	8.5	9.8
TSDF	NOx	80	8.6	10.2	9.2	7.8	9.2	8.3
	Ammonia	850	ND	ND	ND	ND	ND	ND
		200	ND	ND	ND	ND	ND	ND
	HC1 RSPM (PM2.5)	60	29	22	21	27	31	29
	PM10	100	42	34	35	37	38	31
	SO ₂	80	7.8	6.2	8.5	9.5	8.5	7.8
Main Guest House	NOx	80	8.1	5.7	12.5	13.2	12.2	8.2
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	33	29	12	22	29	32
	,		50	37	25	34	35	38
	PM10 SO ₂	100 80	8.6	5.4	4.4	7.8	8.1	9.7
Wyeth Colony		80	9.7	8.1	7.5	11.6	11.6	9.1
	NOx		ND	ND	ND	ND	ND	ND
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HCl	200	32	34	10		30	30
	RSPM (PM2.5)	60	48	51	22	29	39	37
0 1 1 1	PM10	100	8.2	9.3	3.5	31	39 7.8	8.1
Gram panchayat hall	SO ₂	80	8.6	9.3 10.2	5.5 6.5	8.1	12.8	9.8
	NOx	80	ND	ND	ND	12.7 ND	ND	9.8 ND
	Ammonia	850						

	HC1	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	31	25	22	24	26	31
	PM10	100	52	39	40	41	34	33
Main affina Nauthaite	SO_2	80	9.1	7.1	9.2	8.7	7.9	9.2
Main office, North site	NOx	80	10.2	6.4	11.3	12.5	13.1	12.3
	Ammonia	850	0	0	ND	ND	ND	ND
	HC1	200	ND	ND	ND	ND	ND	ND
	RSPM (PM2.5)	60	34	26	16	25	35	32
	PM10	100	51.8	49.8	38.8	33.2	40.9	40.3
II	SO_2	80	7.6	7.5	71	7.6	9.2	7.2
Haria water tank	NOx	80	8.6	7.9	6.8	8.5	7.9	7.6
	Ammonia	850	ND	ND	ND	ND	ND	ND
	HC1	200	ND	ND	ND	ND	ND	ND

Table 4 : VOC results

Location	Parameter	Permissible	Results of VOCs in Milligram per NM3						
		limit	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	
Ground	Phosgene	0.4	0.024	0.056	0.056	BDL	BDL	BDL	
Floor MPP2	Chlorine	3.0	1.6	2.1	2.1	BDL	0.94	2.3	
Ground Floor MPP1	Toluene	375	240	198	198	15	48	210	

Table 5 : Noise level monitoring data (Day Time)

Sr. No.	Location			Permissible Limits, dBA				
		May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	75
1	Near Main guest house	66.5	67.4	66.8	63.1	60.8	64.2	75
2	Near TSDF	67.2	62.5	64.3	63.7	62.8	64.4	75
3	At Wyeth Colony	61.3	63.1	65.5	62.4	59.8	63.2	75
4	Gram Panchayat Hall	68.4	60.8	61.2	61.2	60.3	61.5	75
5	Near Main Office North site	65.3	61.3	62.7	65.4	62.3	64.4	75
6	ETP North site	63.3	62.4	63.5	66.2	64.7	66.8	75
7	Opposite shed D	68.1	68.2	67.5	64.3	63.1	63.2	75
8	ETP West site	62.4	64.3	65.6	65.7	62.8	65.2	75
9	Water tank Haria road	60.8	63.7	64.3	62.1	63.1	63.2	75
10	Near 66KVA substation	63.1	62.4	63.7	64.9	61.6	64.4	75

Table 6 : Noise level monitoring data (Night Time)

Sr. No.	Location	Noise	Level, I		Permissible Limits, dBA			
		May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	70
1	Near Main guest house	58.6	54.8	55.1	53.2	49.3	52.8	70
2	Near TSDF	61.1	55.6	54.4	56.1	52.6	55.3	70
3	At Wyeth Colony	50.1	53.7	52.7	51.3	48.2	51.5	70
4	Gram Panchayat Hall	51.3	52.1	53.3	52.3	51.6	52.4	70
5	Near Main Office North site	56.8	55.2	54.2	55.4	56.8	54.4	70
6	ETP North site	53.6	51.2	50.3	52.4	54.7	53.3	70
7	Opposite shed D	55.3	52.7	53.3	53.2	56.5	52.8	70
8	ETP West site	54.9	53.6	52.8	54.7	52.2	55.2	70
9	Water tank Haria road	47.3	48.1	47.2	53.8	51.8	54.4	70
10	Near 66KVA substation	49.1	49.5	48.5	51.3	52.7	52.7	70

Annexure I

M/s. Atul Bioscience Ltd.

PLOT NO .: 33 P, 35-37 P, ATUL, DIST : VALSAD

THINK WITH SUSTAINABLE DEVELOPMENT

Environmental Audit Report Apr.' 17 to March.' 18





VIDYABHARTI TRUST - UMRAKH S. N. PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE CENTRE FOR ENVIRONMENTAL RESEARCH

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M/s. Atul Bioscience Ltd.

ANNEXURE – 29

COMPLIANCE REPORT

	Detail	Has valid consent/authorization	Complying with standards & other conditions
(A)	Compliance Report of Water as per Water act, 1974. If No, Give comment		Complied
(B)	Compliance Report for Air as per Air act, 1981. If No, Give comment	The CCA No. – AWH- 59131, on dated: 11/10/2013 is valid up to	Complied
(C)	Compliance Report for the storage and handling of hazardous waste/chemicals under The hazardous Waste Management & Handling) Rule, 1989 & EPA-86. If No, Give comment	10/10/2018.	Complied

