

Compliance Report for

Manufacture of Resins (5,520 TPA) of M/s. Almega Paints Pvt. Ltd. at J.L. No. 01, Village Tulsiberia, R.S. Dag No. 2188 To 2194, 2196, 2297 To 2299, Dist. Howrah, West Bengal

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**COMPLIANCE REPORT ON ENVIRONMENTAL CLEARANCE FOR
MANUFACTURE OF RESINS (5,520 TPA) OF M/S ALMEGA PAINTS PVT LTD
AT J.L. NO. 01, VILLAGE TULSIBERIA, R.S. DAG NO. 2188 TO 2194, 2196,
2297 TO 2299, DISTRICT HOWRAH, WEST BENGAL**

M/s. Almega Paints Pvt. Ltd. obtained Environmental Clearance (EC granted vide F. No. J-11011/221/2011-IA II(I) dated 22nd March, 2013) for manufacturing of Resin: 5520 TPA on a piece of land, measuring 8.71 acres, located at J.L. No: 01, R.S Dag no: 2188 to 2194, 2196, 2297 to 2299, Village & P.O. Tulsiberia, P.S. Uluberia, district Howrah in West Bengal.

The compliance status of the special conditions and general conditions, as issued by MoEF in the above mentioned Environmental Clearance is discussed below:

A. SPECIFIC CONDITIONS:

Sl. No.	Specific Conditions	Reply
i.	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out and data submitted to the Regional Office of MoEF at Bhubaneshwar, CPCB and SPCB.	Volatile Organic Compounds (VOCs) is being monitored on regular basis. Monitored results for the period (April, 2014 to September, 2014) is attached as Annexure-I.
ii.	Stack of adequate height shall be installed to oil fired boiler to disperse waste gases into atmospheres.	Stack of 30 m height has been installed to oil fired boiler in the proposed project.
iii.	Fugitive emissions in the work zone environment product, raw materials, storage area etc. should be regularly Monitored. The emissions should conform to the limits imposed by SPCB.	Fugitive emission is being monitored in the work zone environment on regular basis. Monitored results for the period (April, 2014 to September, 2014) are attached as Annexure-II.
iv.	Wet scrubber should be provided to control process emissions. Methanol should be recovered from the process area.	Wet scrubber and downstream facilities have been installed.
v.	Total fresh water requirement shall not exceed 3.5 m ³ /day and prior permission should be obtained from the Competent	Total water requirement is well within 3.5 m ³ /day for the project, which is sourced from ground water. The necessary

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	Authority.	permission for sinking of the well has been obtained from Ground Water Resource Department.
vi.	As proposed, Industrial effluent will be treated in ETP, Treated effluent should be reused/recycled within the factory premises. Water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB.	<p>The entire wastewater is being treated in the existing Effluent Treatment Plant.</p> <p>The treated wastewater is being reused for toilet flushing, gardening purpose, dust suppression etc.</p> <p>Monitored results for the treated effluent for the period (April'14 to September'14) are attached in Annexure-III.</p> <p>The Sludge, generated in the ETP is sent to West Bengal Waste Management Ltd., Haldia.</p>
vii.	As proposed Phenol should be extracted/treated from the effluent before sending to the ETP.	Phenol extractor has been installed.
viii.	The company should obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from SPCB should be obtained for disposal of solid/ hazardous waste in the TSDF. Measures should be taken for fire fighting facilities in case of emergency.	Complied.
ix.	Solvent Management should be as follows: <ul style="list-style-type: none"> • Reactor should be connected to chilled brine condenser system • Reactor and solvent handling pump should have mechanical seals to prevent leakages. • The condensers should be provided with sufficient Heat Transfer Area (HTA) and 	Complied

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	<p>residence time so as to achieve more than 96% recovery.</p> <ul style="list-style-type: none"> • Solvents should be stored in a separate space specified with all safety measures. • Proper earthing should be provided in all the electrical equipments wherever solvent handling is done. • Entire plant where solvents are used should be flame proof. The solvent storage tanks should be provided with breather valve to prevent issues. 	
x.	<p>As proposed, green belt should be developed in at least 33% of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.</p>	<p>Greenbelt is being developed as per EC conditions. A local horticulturist has been appointed to develop an appropriate green belt following the CPCB guidelines.</p>
xi.	<p>Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.</p>	<ul style="list-style-type: none"> • All the permanent employees under project are covered under ESI scheme. • The company has taken initiation for treatment of its employee with the ESI Hospitals at Uluberia in case of emergency. • Annual medical check up on some medical parameter as per the Factories act is being done among the new employees of the company in line with what is being done for the existing employees. • All permanent employees of the company have been covered by medical insurance policy.
xii.	<p>The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the</p>	<p>At the time of construction the company had provided the temporary housing which has been demolished after the construction period is over.</p>

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	completion of the project.	
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B. GENERAL CONDITIONS:

Sl. No.	General Conditions	Reply
i.	Ambient air quality data should be collected as per NAAQS standards notified by the Ministry on 16 th September, 2009.	Ambient air quality is being monitored by the company. Ambient Air Quality Monitoring results for the period (April, 2014 to September, 2014) are attached as Annexure-I.
ii.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.	Being complied.
iii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forest.	Any further expansion or modification in the plant will only be done after obtaining prior permission from the Ministry of Environment and Forests (MoEF).
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ , and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	Ambient air quality is being monitored on regular basis. Monitored results for the period (April, 2014 to September, 2014) are attached as Annexure-I.
v.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose	The entire wastewater is being treated in the existing Effluent Treatment Plant. Monitored results for the treated effluent for the period (April, 2014 to September, 2014) are attached as Annexure-III. The treated wastewater is being reused for toilet flushing, gardening purpose, dust suppression etc.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures	Appropriate noise control measures in the form of silencers, soundproof enclosures etc.

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	<p>including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).</p>	<p>will be put into place.</p> <p>Noise levels at relevant locations are being monitored on regular basis. Monitored results (April, 2014 to September, 2014) for the overall noise levels in and around the plant area are attached as Annexure-IV.</p>
vii.	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<ul style="list-style-type: none"> • All the permanent employees under project are covered under ESI scheme. • The company has taken initiation for treatment of its employee with the ESI Hospitals at Uluberia in case of emergency. • Annual medical check up on some medical parameter as per the Factories act is being done among the new employees of the company in line with what is being done for the existing employees. • All permanent employees of the company have been covered by medical insurance policy.
viii.	<p>The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.</p>	<p>A rain water harvesting pond has been constructed for storage of rainwater and utilize the rain water in the proposed plant to the maximum possible extent.</p>
ix.	<p>The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further the company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.</p>	<p>Recommendations of the Environmental Management Plan (EMP) are being followed. Management is jointly coordinating all the environmental management activities as per the EMP and recommendation of the relevant statutory bodies.</p> <p>The company has been undertaking lot of socio-economic development activities in the neighborhood, which shall continue in future also.</p>
x.	<p>Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to</p>	<p>Rs. 40 lakhs have been invested by the company towards capital cost for</p>

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	<p>implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.</p>	<p>environment pollution control measures</p> <p>Recurring cost for environmental management & pollution control equipment are about Rs. 4 lakhs.</p>
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Have been done.
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of mentioned data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being implemented.
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the	Environmental monitoring data are being submitted along with the Compliance Report.

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	stipulated conditions.	
xiv.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1988, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	Shall be submitted.
xv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.	Advertisement w.r.t. Environmental Clearance had been done in English & Bengali newspapers.
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	The date of financial closure is 31st March. The final approval of the project by the concerned authorities has been done. The project is already implemented and in operation. (NOC enclosed)

Envirotech East Pvt. Limited

An ISO 9001:2008, 14001:2004 & OHSAS:18001:2007 Company

Laboratory Recognised by Ministry of Environment & Forests, Govt. of India

Bengal Ambuja Commercial Complex,

UN-F 13, 1050/1, Survey Park, Kolkata – 700 075

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Annexure - I

ONSITE AMBIENT AIR QUALITY MONITORING RESULTS (PERIOD: APRIL, 2014 TO SEPTEMBER, 2014)

MONTH: APRIL, 2014

(A) LOCATION: PROJECT SITE (MAIN GATE)								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
05.04.2014	(µg/m ³)	83	35	5	36	1.45	N.D.	2.78
08.04.2014	(µg/m ³)	75	33	9	18	0.85	1.39	3.24
12.04.2014	(µg/m ³)	58	25	7	33	0.56	N.D.	2.32
15.04.2014	(µg/m ³)	71	28	10	22	0.82	1.24	2.43
19.04.2014	(µg/m ³)	102	41	9	29	0.72	N.D.	2.16
22.04.2014	(µg/m ³)	68	29	7	20	0.45	N.D.	1.54
26.04.2014	(µg/m ³)	73	31	10	25	0.32	N.D.	N.D.
29.04.2014	(µg/m ³)	48	21	8	23	1.46	N.D.	1.28

(B) LOCATION: ABHIRAMPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
05.04.2014	(µg/m ³)	58	23	12	23	0.86	N.D.	N.D.
08.04.2014	(µg/m ³)	70	26	6	28	1.13	N.D.	N.D.
12.04.2014	(µg/m ³)	82	33	7	19	N.D.	1.56	1.39
15.04.2014	(µg/m ³)	55	23	11	26	0.96	N.D.	N.D.
19.04.2014	(µg/m ³)	65	25	8	29	0.62	0.84	N.D.
22.04.2014	(µg/m ³)	89	39	10	15	0.38	N.D.	0.87
26.04.2014	(µg/m ³)	77	35	9	30	0.26	0.62	N.D.
29.04.2014	(µg/m ³)	47	19	6	20	N.D.	N.D.	N.D.

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(C) LOCATION: AMTA								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
05.04.2014	(µg/m ³)	58	24	8	20	0.67	N.D.	N.D.
08.04.2014	(µg/m ³)	70	27	12	27	N.D.	N.D.	N.D.
12.04.2014	(µg/m ³)	62	24	9	37	0.48	0.56	N.D.
15.04.2014	(µg/m ³)	77	35	7	19	N.D.	N.D.	1.56
19.04.2014	(µg/m ³)	65	25	11	15	0.95	N.D.	N.D.
22.04.2014	(µg/m ³)	42	17	8	20	1.26	1.23	N.D.
26.04.2014	(µg/m ³)	68	25	5	13	0.78	N.D.	1.32
29.04.2014	(µg/m ³)	48	19	7	23	N.D.	N.D.	N.D.
(D) LOCATION: SERPUR								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
05.04.2014	(µg/m ³)	57	25	6	23	0.62	N.D.	N.D.
08.04.2014	(µg/m ³)	44	18	9	17	0.92	N.D.	1.34
12.04.2014	(µg/m ³)	55	26	11	20	N.D.	0.67	N.D.
15.04.2014	(µg/m ³)	51	23	7	25	0.38	N.D.	N.D.
19.04.2014	(µg/m ³)	64	26	10	16	N.D.	1.16	0.66
22.04.2014	(µg/m ³)	75	33	8	23	N.D.	N.D.	N.D.
26.04.2014	(µg/m ³)	48	22	6	34	1.32	N.D.	N.D.
29.04.2014	(µg/m ³)	57	24	9	29	0.87	1.19	0.57

N.D. : Not detected

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Annexure - I

MONTH: MAY, 2014

(A) LOCATION: PROJECT SITE (MAIN GATE)								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
03.05.2014	($\mu\text{g}/\text{m}^3$)	61	27	7	27	0.66	N.D.	1.56
06.05.2014	($\mu\text{g}/\text{m}^3$)	50	19	10	31	0.32	0.48	0.96
10.05.2014	($\mu\text{g}/\text{m}^3$)	57	25	8	22	0.56	N.D.	1.62
13.05.2014	($\mu\text{g}/\text{m}^3$)	68	29	12	30	0.82	0.87	2.08
17.05.2014	($\mu\text{g}/\text{m}^3$)	56	22	9	36	0.72	0.57	3.16
20.05.2014	($\mu\text{g}/\text{m}^3$)	53	20	11	20	0.45	N.D.	1.54
24.05.2014	($\mu\text{g}/\text{m}^3$)	64	28	10	25	0.32	N.D.	N.D.
27.05.2014	($\mu\text{g}/\text{m}^3$)	56	22	8	20	N.D.	N.D.	0.57

(B) LOCATION: ABHIRAMPUR								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
03.05.2014	($\mu\text{g}/\text{m}^3$)	66	28	7	34	0.72	N.D.	N.D.
06.05.2014	($\mu\text{g}/\text{m}^3$)	85	37	6	27	0.78	0.52	0.62
10.05.2014	($\mu\text{g}/\text{m}^3$)	58	23	8	34	N.D.	N.D.	N.D.
13.05.2014	($\mu\text{g}/\text{m}^3$)	73	30	10	26	0.94	0.98	0.73
17.05.2014	($\mu\text{g}/\text{m}^3$)	62	27	8	31	0.52	N.D.	N.D.
20.05.2014	($\mu\text{g}/\text{m}^3$)	52	21	7	25	0.39	N.D.	N.D.
24.05.2014	($\mu\text{g}/\text{m}^3$)	58	24	6	29	0.21	N.D.	N.D.
27.05.2014	($\mu\text{g}/\text{m}^3$)	47	18	5	21	N.D.	N.D.	N.D.

For ENVIROTECH EAST (P) LIMITED

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(C) LOCATION: AMTA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
03.05.2014	(µg/m ³)	75	30	6	15	0.83	0.61	0.53	
06.05.2014	(µg/m ³)	68	29	5	21	0.67	N.D.	N.D.	
10.05.2014	(µg/m ³)	58	24	7	30	0.39	N.D.	N.D.	
13.05.2014	(µg/m ³)	47	19	6	26	N.D.	N.D.	1.56	
17.05.2014	(µg/m ³)	55	24	11	19	N.D.	N.D.	N.D.	
20.05.2014	(µg/m ³)	61	27	9	24	N.D.	N.D.	N.D.	
24.05.2014	(µg/m ³)	70	32	7	21	0.55	0.77	0.93	
27.05.2014	(µg/m ³)	52	21	6	19	N.D.	N.D.	N.D.	
(D) LOCATION: SERPUR									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
03.05.2014	(µg/m ³)	75	34	7	26	0.73	0.65	0.42	
06.05.2014	(µg/m ³)	57	25	11	39	0.62	0.59	0.38	
10.05.2014	(µg/m ³)	53	21	9	28	N.D.	0.67	N.D.	
13.05.2014	(µg/m ³)	72	32	7	33	0.79	N.D.	N.D.	
17.05.2014	(µg/m ³)	56	23	8	24	N.D.	N.D.	N.D.	
20.05.2014	(µg/m ³)	65	28	10	37	N.D.	N.D.	N.D.	
24.05.2014	(µg/m ³)	48	18	7	40	N.D.	N.D.	N.D.	
27.05.2014	(µg/m ³)	54	22	12	35	N.D.	N.D.	N.D.	

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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MONTH: JUNE, 2014

(A) LOCATION: PROJECT SITE (MAIN GATE)								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.06.2014	(µg/m ³)	65	30	10	26	1.21	N.D.	1.54
06.06.2014	(µg/m ³)	44	17	7	22	N.D.	N.D.	0.72
10.06.2014	(µg/m ³)	59	24	9	30	0.47	0.34	1.13
13.06.2014	(µg/m ³)	73	31	14	18	0.74	0.66	1.59
17.06.2014	(µg/m ³)	49	19	7	21	N.D.	N.D.	0.93
20.06.2014	(µg/m ³)	62	25	8	14	0.37	N.D.	1.66
24.06.2014	(µg/m ³)	56	22	10	19	0.33	N.D.	N.D.
29.06.2014	(µg/m ³)	48	19	7	16	N.D.	N.D.	N.D.

(B) LOCATION: ABHIRAMPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.06.2014	(µg/m ³)	60	27	11	28	0.73	N.D.	N.D.
06.06.2014	(µg/m ³)	68	29	6	21	1.01	N.D.	N.D.
10.06.2014	(µg/m ³)	73	32	8	26	1.12	0.55	0.64
13.06.2014	(µg/m ³)	65	27	6	20	0.81	N.D.	N.D.
17.06.2014	(µg/m ³)	45	18	7	17	N.D.	N.D.	N.D.
20.06.2014	(µg/m ³)	56	21	10	19	0.45	N.D.	N.D.
24.06.2014	(µg/m ³)	70	30	6	23	0.77	0.36	N.D.
29.06.2014	(µg/m ³)	60	25	8	22	0.62	N.D.	N.D.

For ENVIROTECH EAST (P) LIMITED

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– 2418 8127/8128/8601; Fax – 2418 8128; email: eeplkol@gmail.com

Annexure - I

(C) LOCATION: AMTA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.06.2014	(µg/m ³)	74	32	8	20	1.14	0.46	0.38	
06.06.2014	(µg/m ³)	60	25	6	25	0.67	N.D.	0.34	
10.06.2014	(µg/m ³)	57	22	10	21	0.47	0.43	N.D.	
13.06.2014	(µg/m ³)	68	30	7	17	0.52	0.41	0.46	
17.06.2014	(µg/m ³)	72	30	6	23	0.89	0.33	0.49	
20.06.2014	(µg/m ³)	60	22	9	15	1.26	N.D.	0.47	
24.06.2014	(µg/m ³)	52	20	6	24	0.78	N.D.	N.D.	
29.06.2014	(µg/m ³)	63	27	5	20	N.D.	N.D.	N.D.	
(D) LOCATION: SERPUR									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.06.2014	(µg/m ³)	50	21	7	21	0.53	0.47	0.51	
06.06.2014	(µg/m ³)	55	24	11	14	N.D.	N.D.	N.D.	
10.06.2014	(µg/m ³)	64	31	8	19	N.D.	0.67	N.D.	
13.06.2014	(µg/m ³)	52	24	10	13	0.86	N.D.	N.D.	
17.06.2014	(µg/m ³)	61	27	7	24	N.D.	N.D.	N.D.	
20.06.2014	(µg/m ³)	49	21	10	12	0.77	0.67	0.52	
24.06.2014	(µg/m ³)	56	23	6	16	0.48	N.D.	0.45	
29.06.2014	(µg/m ³)	60	25	8	15	N.D.	N.D.	N.D.	

N.D. : Not detected

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Annexure - I

MONTH: JULY, 2014

(A) LOCATION: PROJECT SITE (MAIN GATE)									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
01.07.2014	($\mu\text{g}/\text{m}^3$)	50	19	4	28	0.18	0.22	0.36	
04.07.2014	($\mu\text{g}/\text{m}^3$)	45	15	6	13	N.D.	N.D.	N.D.	
08.07.2014	($\mu\text{g}/\text{m}^3$)	40	14	4	25	0.24	0.18	0.28	
11.07.2014	($\mu\text{g}/\text{m}^3$)	46	17	5	14	N.D.	N.D.	N.D.	
15.07.2014	($\mu\text{g}/\text{m}^3$)	61	27	6	21	0.19	0.14	0.27	
18.07.2014	($\mu\text{g}/\text{m}^3$)	44	16	4	15	N.D.	N.D.	0.18	
22.07.2014	($\mu\text{g}/\text{m}^3$)	40	15	7	17	N.D.	N.D.	N.D.	
25.07.2014	($\mu\text{g}/\text{m}^3$)	47	18	5	14	N.D.	N.D.	N.D.	

(B) LOCATION: ABHIRAMPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.07.2014	($\mu\text{g}/\text{m}^3$)	34	12	8	15	0.16	0.14	0.12
04.07.2014	($\mu\text{g}/\text{m}^3$)	46	17	4	20	N.D.	N.D.	N.D.
08.07.2014	($\mu\text{g}/\text{m}^3$)	58	23	4	11	N.D.	0.16	0.18
11.07.2014	($\mu\text{g}/\text{m}^3$)	35	13	7	18	0.13	N.D.	N.D.
15.07.2014	($\mu\text{g}/\text{m}^3$)	41	16	4	21	N.D.	N.D.	N.D.
18.07.2014	($\mu\text{g}/\text{m}^3$)	48	18	6	10	N.D.	N.D.	N.D.
22.07.2014	($\mu\text{g}/\text{m}^3$)	53	20	5	22	N.D.	N.D.	N.D.
25.07.2014	($\mu\text{g}/\text{m}^3$)	36	13	4	12	N.D.	N.D.	N.D.

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Annexure - I

(C) LOCATION: AMTA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
01.07.2014	($\mu\text{g}/\text{m}^3$)	35	14	5	15	0.13	N.D.	N.D.	
04.07.2014	($\mu\text{g}/\text{m}^3$)	43	18	8	22	N.D.	N.D.	N.D.	
08.07.2014	($\mu\text{g}/\text{m}^3$)	35	14	6	30	N.D.	N.D.	N.D.	
11.07.2014	($\mu\text{g}/\text{m}^3$)	50	20	4	14	0.15	0.11	0.13	
15.07.2014	($\mu\text{g}/\text{m}^3$)	48	18	8	12	N.D.	N.D.	N.D.	
18.07.2014	($\mu\text{g}/\text{m}^3$)	62	25	5	15	N.D.	N.D.	N.D.	
22.07.2014	($\mu\text{g}/\text{m}^3$)	41	15	6	13	0.17	0.14	0.15	
25.07.2014	($\mu\text{g}/\text{m}^3$)	46	17	4	18	N.D.	N.D.	N.D.	

(D) LOCATION: SERPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.07.2014	($\mu\text{g}/\text{m}^3$)	38	14	4	17	N.D.	N.D.	N.D.
04.07.2014	($\mu\text{g}/\text{m}^3$)	43	17	5	11	0.16	0.13	0.12
08.07.2014	($\mu\text{g}/\text{m}^3$)	36	14	7	14	0.18	0.14	0.14
11.07.2014	($\mu\text{g}/\text{m}^3$)	55	23	8	19	N.D.	N.D.	N.D.
15.07.2014	($\mu\text{g}/\text{m}^3$)	45	18	6	10	0.16	N.D.	N.D.
18.07.2014	($\mu\text{g}/\text{m}^3$)	56	22	4	17	N.D.	N.D.	N.D.
22.07.2014	($\mu\text{g}/\text{m}^3$)	42	16	4	20	0.19	0.17	0.15
25.07.2014	($\mu\text{g}/\text{m}^3$)	33	12	5	15	N.D.	N.D.	N.D.

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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Annexure - I

MONTH: AUGUST, 2014

(A) LOCATION: PROJECT SITE (MAIN GATE)								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.08.2014	(µg/m ³)	49	19	7	19	0.13	0.17	0.24
06.08.2014	(µg/m ³)	38	15	4	21	N.D.	N.D.	N.D.
10.08.2014	(µg/m ³)	48	20	6	15	N.D.	N.D.	N.D.
13.08.2014	(µg/m ³)	58	25	8	18	N.D.	N.D.	N.D.
17.08.2014	(µg/m ³)	40	15	4	21	N.D.	N.D.	0.32
20.08.2014	(µg/m ³)	51	20	5	14	0.11	0.21	0.28
24.08.2014	(µg/m ³)	43	16	7	12	N.D.	N.D.	N.D.
29.08.2014	(µg/m ³)	36	14	4	16	N.D.	N.D.	N.D.

(B) LOCATION: ABHIRAMPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.08.2014	(µg/m ³)	42	15	4	19	N.D.	N.D.	N.D.
06.08.2014	(µg/m ³)	38	13	6	13	0.21	0.17	0.18
10.08.2014	(µg/m ³)	55	20	8	18	N.D.	N.D.	N.D.
13.08.2014	(µg/m ³)	40	14	5	12	N.D.	N.D.	N.D.
17.08.2014	(µg/m ³)	32	11	7	11	0.13	0.14	0.16
20.08.2014	(µg/m ³)	41	13	4	13	N.D.	N.D.	N.D.
24.08.2014	(µg/m ³)	37	11	6	15	N.D.	N.D.	N.D.
29.08.2014	(µg/m ³)	40	14	5	14	N.D.	N.D.	N.D.

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Annexure - I

(C) LOCATION: AMTA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.08.2014	($\mu\text{g}/\text{m}^3$)	40	14	5	16	N.D.	N.D.	N.D.	
06.08.2014	($\mu\text{g}/\text{m}^3$)	43	15	4	25	0.13	0.18	0.19	
10.08.2014	($\mu\text{g}/\text{m}^3$)	39	12	7	12	N.D.	N.D.	N.D.	
13.08.2014	($\mu\text{g}/\text{m}^3$)	50	21	4	17	N.D.	N.D.	N.D.	
17.08.2014	($\mu\text{g}/\text{m}^3$)	37	13	8	23	N.D.	N.D.	N.D.	
20.08.2014	($\mu\text{g}/\text{m}^3$)	42	15	6	15	N.D.	N.D.	N.D.	
24.08.2014	($\mu\text{g}/\text{m}^3$)	57	24	5	11	N.D.	N.D.	N.D.	
29.08.2014	($\mu\text{g}/\text{m}^3$)	45	15	4	14	0.14	0.17	0.16	
(D) LOCATION: SERPUR									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.08.2014	($\mu\text{g}/\text{m}^3$)	37	16	4	17	N.D.	N.D.	N.D.	
06.08.2014	($\mu\text{g}/\text{m}^3$)	42	18	6	14	0.14	N.D.	N.D.	
10.08.2014	($\mu\text{g}/\text{m}^3$)	54	26	5	16	N.D.	N.D.	N.D.	
13.08.2014	($\mu\text{g}/\text{m}^3$)	39	18	7	13	0.17	0.15	0.18	
17.08.2014	($\mu\text{g}/\text{m}^3$)	48	21	4	18	N.D.	N.D.	N.D.	
20.08.2014	($\mu\text{g}/\text{m}^3$)	36	15	6	12	0.17	0.13	0.11	
24.08.2014	($\mu\text{g}/\text{m}^3$)	43	18	4	14	N.D.	N.D.	N.D.	
29.08.2014	($\mu\text{g}/\text{m}^3$)	30	13	5	11	N.D.	N.D.	N.D.	

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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Annexure - I

MONTH: SEPTEMBER, 2014

(A) LOCATION: PROJECT SITE (MAIN GATE)									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.09.2014	(µg/m ³)	42	17	4	15	N.D.	N.D.	0.16	
05.09.2014	(µg/m ³)	39	15	7	23	0.15	N.D.	N.D.	
09.09.2014	(µg/m ³)	44	18	5	13	N.D.	N.D.	0.23	
12.09.2014	(µg/m ³)	63	26	9	9	N.D.	N.D.	N.D.	
16.09.2014	(µg/m ³)	50	20	6	13	N.D.	N.D.	0.26	
19.09.2014	(µg/m ³)	41	16	8	21	0.19	0.16	0.19	
23.09.2014	(µg/m ³)	34	12	7	16	N.D.	N.D.	0.32	
26.09.2014	(µg/m ³)	43	17	5	11	N.D.	N.D.	N.D.	

(B) LOCATION: ABHIRAMPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.09.2014	(µg/m ³)	51	19	4	13	N.D.	N.D.	N.D.
05.09.2014	(µg/m ³)	67	27	6	16	0.14	0.15	0.16
09.09.2014	(µg/m ³)	43	15	8	12	N.D.	N.D.	N.D.
12.09.2014	(µg/m ³)	41	14	4	15	N.D.	N.D.	N.D.
16.09.2014	(µg/m ³)	46	18	8	18	N.D.	N.D.	N.D.
19.09.2014	(µg/m ³)	37	13	5	14	N.D.	N.D.	N.D.
23.09.2014	(µg/m ³)	43	16	6	8	0.12	0.14	0.17
26.09.2014	(µg/m ³)	33	12	5	10	N.D.	N.D.	N.D.

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Annexure - I

(C) LOCATION: AMTA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.09.2014	($\mu\text{g}/\text{m}^3$)	61	26	6	10	N.D.	N.D.	N.D.	
05.09.2014	($\mu\text{g}/\text{m}^3$)	54	22	5	16	N.D.	N.D.	N.D.	
09.09.2014	($\mu\text{g}/\text{m}^3$)	44	18	7	25	N.D.	N.D.	N.D.	
12.09.2014	($\mu\text{g}/\text{m}^3$)	40	16	6	21	N.D.	N.D.	N.D.	
16.09.2014	($\mu\text{g}/\text{m}^3$)	41	16	5	14	0.11	0.13	0.19	
19.09.2014	($\mu\text{g}/\text{m}^3$)	47	21	9	11	N.D.	N.D.	N.D.	
23.09.2014	($\mu\text{g}/\text{m}^3$)	56	26	7	16	N.D.	N.D.	N.D.	
26.09.2014	($\mu\text{g}/\text{m}^3$)	38	14	5	14	0.19	0.16	0.17	

(D) LOCATION: SERPUR

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.09.2014	($\mu\text{g}/\text{m}^3$)	40	14	5	11	0.17	0.13	0.12
05.09.2014	($\mu\text{g}/\text{m}^3$)	45	18	4	17	N.D.	N.D.	N.D.
09.09.2014	($\mu\text{g}/\text{m}^3$)	41	15	6	13	N.D.	N.D.	N.D.
12.09.2014	($\mu\text{g}/\text{m}^3$)	50	21	9	18	N.D.	N.D.	N.D.
16.09.2014	($\mu\text{g}/\text{m}^3$)	44	17	6	9	N.D.	N.D.	N.D.
19.09.2014	($\mu\text{g}/\text{m}^3$)	52	22	4	12	0.19	0.12	0.15
23.09.2014	($\mu\text{g}/\text{m}^3$)	31	10	7	8	N.D.	N.D.	N.D.
26.09.2014	($\mu\text{g}/\text{m}^3$)	43	18	8	14	0.13	0.17	0.14

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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Annexure - I

STATISTICAL ANALYSIS OF POLLUTANTS, PERIOD: APRIL, 2014 TO JUNE, 2014

(A) PERIOD: APRIL, 2014 TO JUNE, 2014					
Pollutants	Locations	Min	Max	A.M.	P - 98
PM₁₀ ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	44	102	62.5	93.3
	Abhirampur	45	89	64.2	87.2
	Amta	42	77	61.8	76.1
	Serpur	44	75	57.4	75.0
	Overall	42	102	61.5	92.9
PM_{2.5} ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	17	41	25.9	38.1
	Abhirampur	18	39	26.6	38.4
	Amta	16	35	25.7	33.5
	Serpur	18	34	24.7	33.4
	Overall	16	41	25.7	38.3
SO₂ ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	5	14	8.8	13.1
	Abhirampur	5	12	7.8	11.5
	Amta	5	12	7.5	11.5
	Serpur	6	12	8.5	11.5
	Overall	5	14	8.2	13.0
NO₂ ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	14	36	24.3	36.0
	Abhirampur	15	34	24.7	34.0
	Amta	13	37	21.4	33.8
	Serpur	12	40	24.3	39.5
	Overall	12	40	23.7	39.3

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Annexure - I

Benzene ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	0.32	1.46	0.68	1.46
	Abhirampur	0.21	1.13	0.70	1.13
	Amta	0.39	1.26	0.77	1.26
	Serpur	0.38	1.32	0.74	1.23
	Overall	0.21	1.46	0.72	1.44
Toluene ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	0.34	1.39	0.79	1.37
	Abhirampur	0.36	1.56	0.78	1.49
	Amta	0.33	1.23	0.60	1.17
	Serpur	0.47	1.19	0.75	1.19
	Overall	0.33	1.56	0.73	1.48
Xylene ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	0.57	3.24	1.74	3.21
	Abhirampur	0.62	1.39	0.85	1.35
	Amta	0.34	1.56	0.80	1.56
	Serpur	0.38	1.34	0.61	1.24
	Overall	0.34	3.24	1.00	3.11

For ENVIROTECH EAST (P) LIMITED

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Annexure - I

STATISTICAL ANALYSIS OF POLLUTANTS (PERIOD: JULY, 2014 TO SEPTEMBER, 2014)

(B) PERIOD: JULY, 2014 TO SEPTEMBER, 2014					
Pollutants	Locations	Min	Max	A.M.	P - 98
PM₁₀ ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	34	63	45.5	62.1
	Abhirampur	32	67	43.2	62.9
	Amta	35	62	45.6	61.5
	Serpur	30	56	42.6	55.5
	Overall	30	67	44.2	62.8
PM_{2.5} ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	12	27	17.7	26.7
	Abhirampur	11	27	15.7	25.1
	Amta	12	26	17.8	25.7
	Serpur	10	26	17.3	24.4
	Overall	10.2	27	17.1	26.6
SO₂ ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	4	9	5.7	8.5
	Abhirampur	4	8	5.7	8.0
	Amta	4	9	5.8	8.5
	Serpur	4	9	5.7	8.6
	Overall	4	9	5.7	8.6
NO₂ ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	9	28	16.8	26.6
	Abhirampur	8	22	14.6	21.5
	Amta	10	30	16.6	27.7
	Serpur	8	20	14.2	19.5
	Overall	8	30	15.6	27.6
Benzene ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	0.11	0.24	0.17	0.23
	Abhirampur	0.12	0.21	0.15	0.21
	Amta	0.11	0.19	0.15	0.19
	Serpur	0.13	0.19	0.17	0.19
	Overall	0.11	0.24	0.16	0.23

For ENVIROTECH EAST (P) LIMITED

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Annexure - I

Toluene ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	0.14	0.22	0.18	0.22
	Abhirampur	0.14	0.17	0.15	0.17
	Amta	0.11	0.18	0.15	0.18
	Serpur	0.12	0.17	0.14	0.17
	Overall	0.11	0.22	0.16	0.22
Xylene ($\mu\text{g}/\text{m}^3$)	Project Site (Main Gate)	0.16	0.36	0.26	0.35
	Abhirampur	0.12	0.18	0.16	0.18
	Amta	0.13	0.19	0.17	0.19
	Serpur	0.11	0.18	0.14	0.18
	Overall	0.11	0.36	0.18	0.34

N.B.: Min: Minimum, Max: Maximum, A.M.: Arithmetic mean, P-98: 98 percentile

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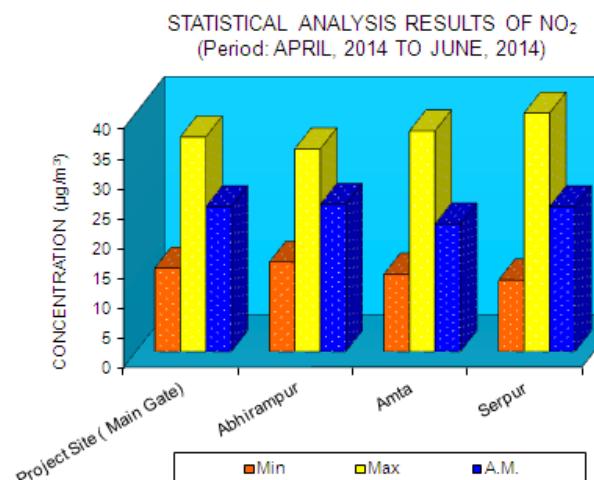
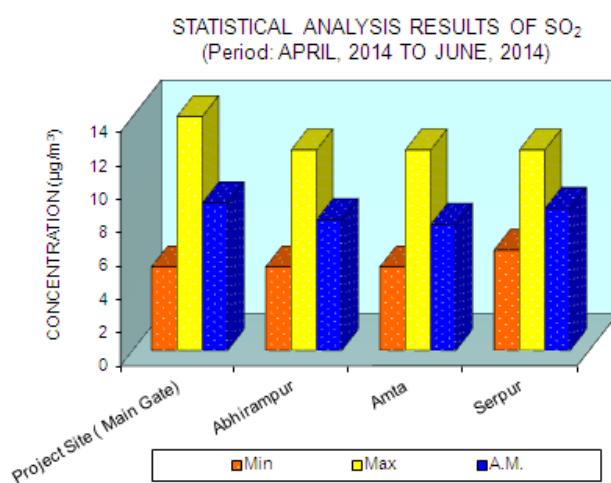
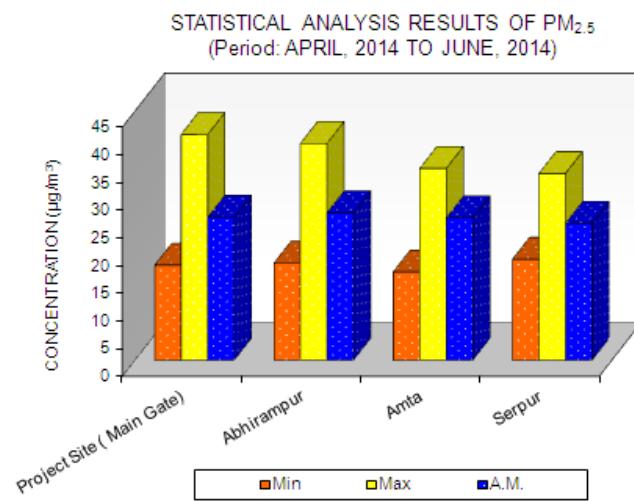
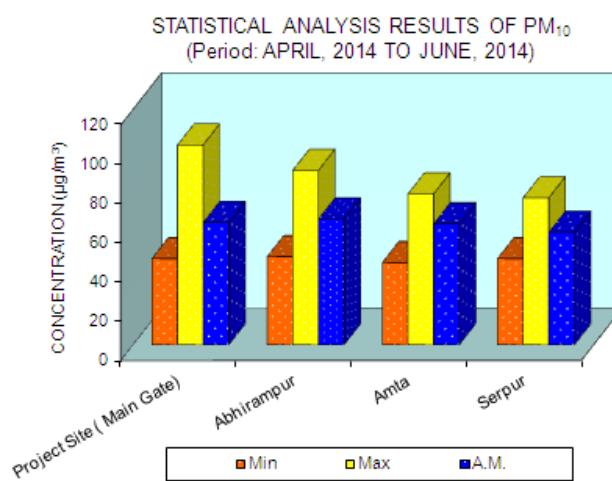
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Annexure - I

GRAPHICAL PRESENTATION OF STATISTICAL ANALYSIS RESULTS

(A) Period: April, 2014 to June, 2014



For ENVIROTECH EAST (P) LIMITED

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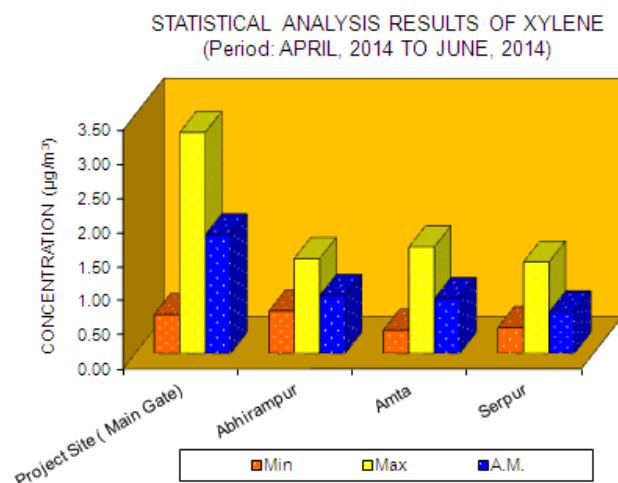
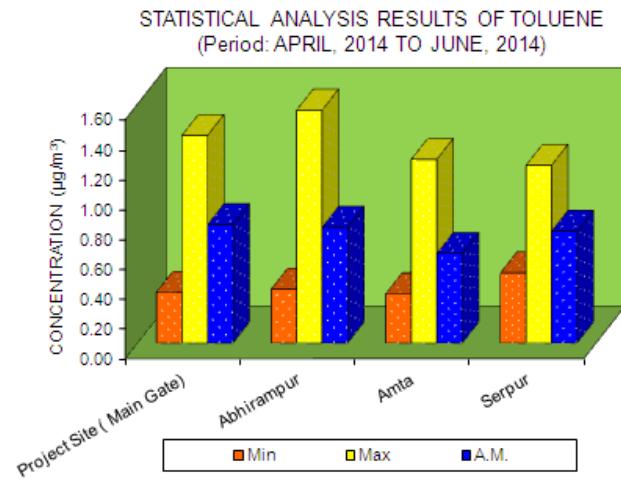
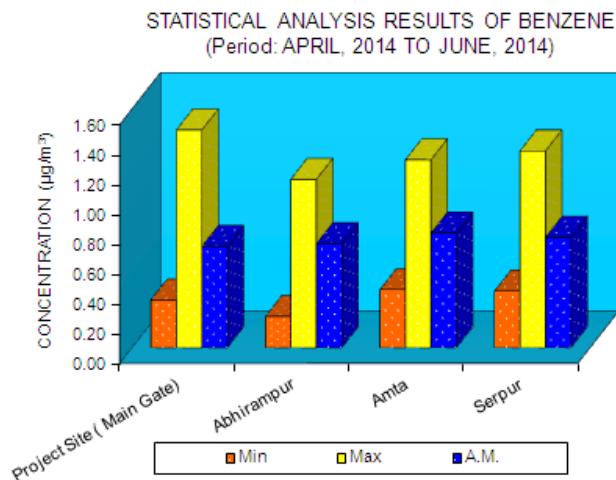
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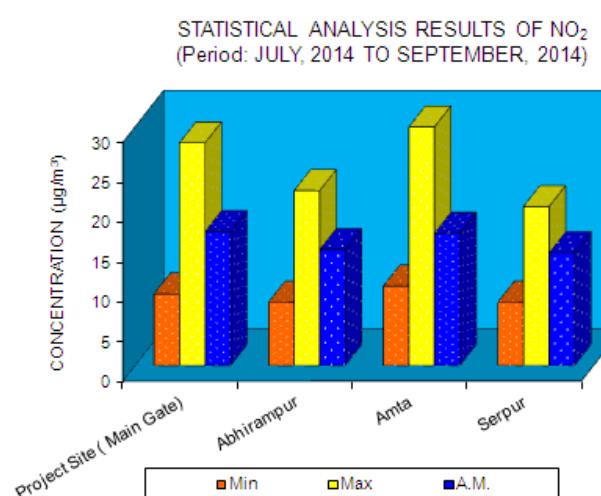
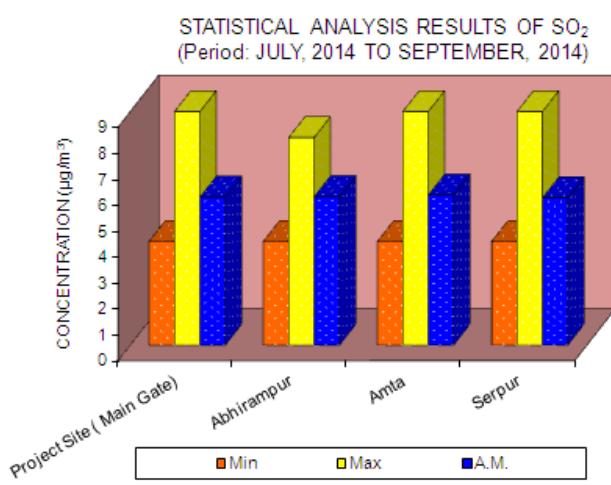
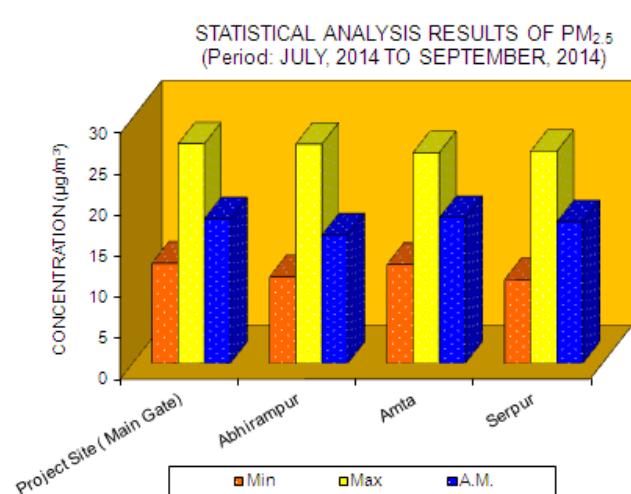
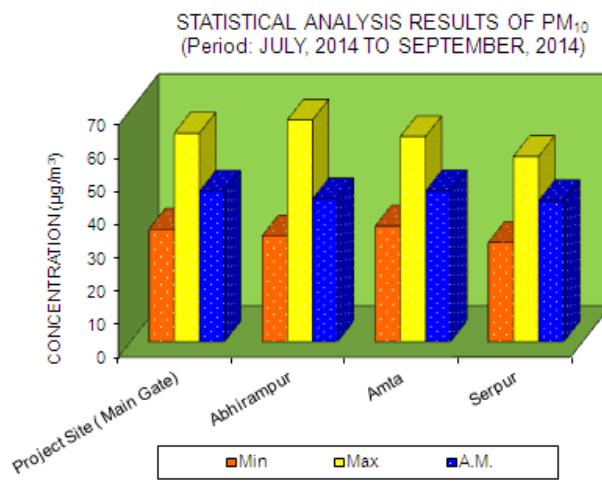
UN-F 13, 1050/1, Survey Park, Kolkata – 700 075

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Annexure - I

GRAPHICAL PRESENTATION OF STATISTICAL ANALYSIS RESULTS

(A) Period: July, 2014 to September, 2014



For ENVIROTECH EAST (P) LIMITED

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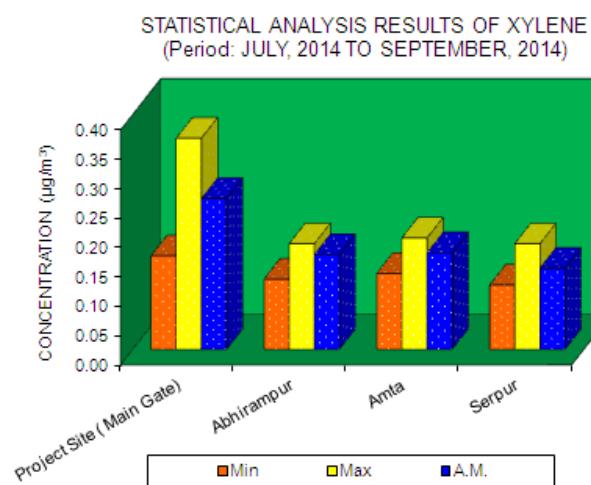
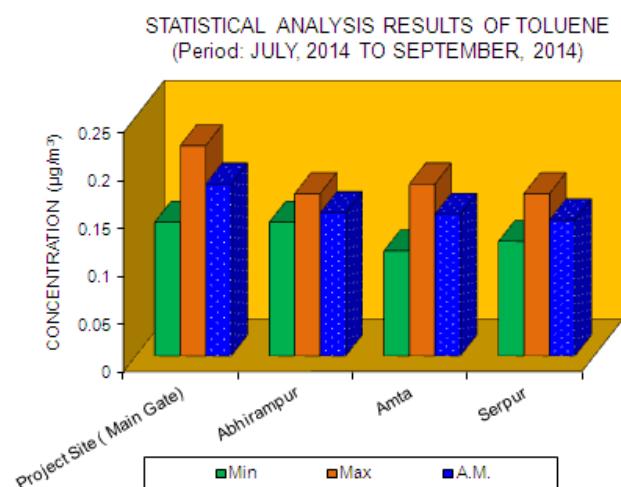
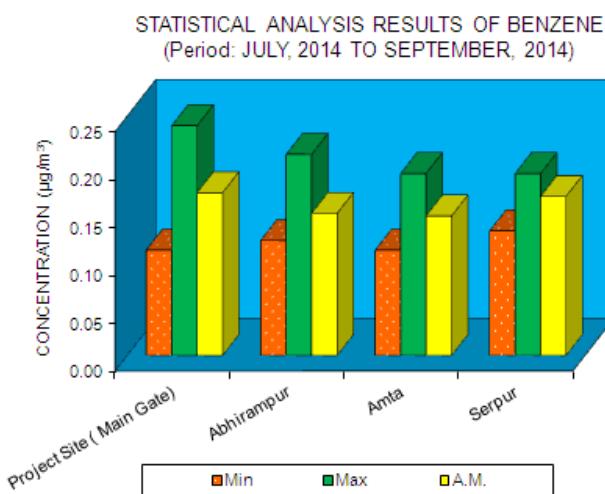
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Annexure – II

ONSITE FUGITIVE EMISSION MONITORING RESULTS (PERIOD: APRIL, 2014 TO SEPTEMBER, 2014)

MONTH: APRIL, 2014

(A) LOCATION: RESIN RAW STORAGE AREA								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.04.2014	(µg/m ³)	118	50	12	23	0.75	0.34	5.13
06.04.2014	(µg/m ³)	96	40	9	26	1.32	1.47	4.14
09.04.2014	(µg/m ³)	141	62	6	35	1.36	N.D.	3.22
13.04.2014	(µg/m ³)	88	35	11	25	0.9	1.32	3.33
16.04.2014	(µg/m ³)	102	44	8	34	0.92	N.D.	6.06
20.04.2014	(µg/m ³)	87	36	7	24	0.65	0.82	2.44
24.04.2014	(µg/m ³)	98	45	10	30	0.52	N.D.	N.D.
28.04.2014	(µg/m ³)	139	63	7	26	1.26	0.76	2.18

(B) LOCATION: RESIN GROUND FLOOR (BLENDER AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.04.2014	(µg/m ³)	97	43	12	38	0.7	0.29	4.72
06.04.2014	(µg/m ³)	88	37	9	31	1.72	1.42	3.92
09.04.2014	(µg/m ³)	72	31	7	40	1.31	0.36	2.68
13.04.2014	(µg/m ³)	93	40	11	33	0.85	1.27	3.27
16.04.2014	(µg/m ³)	107	48	8	20	0.87	N.D.	4.24
20.04.2014	(µg/m ³)	87	36	13	24	0.60	0.77	2.38
24.04.2014	(µg/m ³)	102	44	10	36	0.47	0.44	0.82
28.04.2014	(µg/m ³)	86	36	8	28	1.21	0.71	2.12

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Annexure – II

(C) LOCATION: FIRST FLOOR OF RESIN PLANT (REACTOR AREA)								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.04.2014	(µg/m ³)	104	47	10	35	0.61	0.2	4.63
06.04.2014	(µg/m ³)	92	40	13	34	1.51	1.33	3.83
09.04.2014	(µg/m ³)	89	40	6	28	1.22	0.27	2.59
13.04.2014	(µg/m ³)	106	48	10	39	0.76	1.18	3.18
16.04.2014	(µg/m ³)	86	37	8	27	0.78	N.D.	5.46
20.04.2014	(µg/m ³)	97	43	11	18	0.51	0.68	2.29
24.04.2014	(µg/m ³)	107	49	9	25	0.38	0.35	0.73
28.04.2014	(µg/m ³)	99	43	12	22	1.54	0.62	2.03

(D) LOCATION: THERMIC FLUID BOILER AREA								
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.04.2014	(µg/m ³)	116	51	16	30	0.58	0.17	2.27
06.04.2014	(µg/m ³)	108	45	11	24	1.48	1.30	3.79
09.04.2014	(µg/m ³)	87	36	18	34	1.19	0.24	2.55
13.04.2014	(µg/m ³)	99	43	14	29	0.73	1.15	3.14
16.04.2014	(µg/m ³)	104	47	10	36	0.75	N.D.	4.11
20.04.2014	(µg/m ³)	115	51	13	22	0.48	0.65	2.25
24.04.2014	(µg/m ³)	97	42	16	33	0.35	0.32	0.69
28.04.2014	(µg/m ³)	83	35	12	25	1.51	0.59	1.99

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

MONTH: MAY, 2014

(A) LOCATION: RESIN RAW STORAGE AREA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
05.05.2014	($\mu\text{g}/\text{m}^3$)	80	33	10	29	0.86	N.D.	2.46	
08.05.2014	($\mu\text{g}/\text{m}^3$)	115	51	14	19	0.52	0.56	1.86	
15.05.2014	($\mu\text{g}/\text{m}^3$)	107	45	11	28	0.76	N.D.	2.52	
15.05.2014	($\mu\text{g}/\text{m}^3$)	97	42	13	37	1.02	0.95	2.98	
19.05.2014	($\mu\text{g}/\text{m}^3$)	120	55	11	28	0.92	0.65	4.06	
22.05.2014	($\mu\text{g}/\text{m}^3$)	89	37	14	23	0.65	N.D.	2.44	
26.05.2014	($\mu\text{g}/\text{m}^3$)	104	47	12	17	0.52	N.D.	N.D.	
29.05.2014	($\mu\text{g}/\text{m}^3$)	95	41	10	21	N.D.	N.D.	1.47	
(B) LOCATION: RESIN GROUND FLOOR (BLENDER AREA)									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
05.05.2014	($\mu\text{g}/\text{m}^3$)	104	43	14	25	0.81	N.D.	2.4	
08.05.2014	($\mu\text{g}/\text{m}^3$)	89	39	9	31	0.47	0.51	1.8	
15.05.2014	($\mu\text{g}/\text{m}^3$)	116	52	8	20	0.71	N.D.	2.46	
15.05.2014	($\mu\text{g}/\text{m}^3$)	86	37	11	35	0.97	0.9	2.92	
19.05.2014	($\mu\text{g}/\text{m}^3$)	90	41	8	27	0.87	0.6	4.12	
22.05.2014	($\mu\text{g}/\text{m}^3$)	115	51	10	23	0.6	N.D.	2.38	
26.05.2014	($\mu\text{g}/\text{m}^3$)	99	45	12	30	0.47	N.D.	0.62	
29.05.2014	($\mu\text{g}/\text{m}^3$)	87	37	8	27	N.D.	N.D.	1.41	

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

(C) LOCATION: FIRST FLOOR OF RESIN PLANT (REACTOR AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
05.05.2014	($\mu\text{g}/\text{m}^3$)	96	40	11	25	0.72	N.D.	2.31
08.05.2014	($\mu\text{g}/\text{m}^3$)	113	51	8	21	0.38	0.42	1.71
15.05.2014	($\mu\text{g}/\text{m}^3$)	90	41	10	30	0.62	N.D.	2.37
15.05.2014	($\mu\text{g}/\text{m}^3$)	111	48	12	19	0.88	0.81	2.83
19.05.2014	($\mu\text{g}/\text{m}^3$)	99	42	7	30	0.78	0.51	4.03
22.05.2014	($\mu\text{g}/\text{m}^3$)	108	48	6	20	0.51	N.D.	2.29
26.05.2014	($\mu\text{g}/\text{m}^3$)	74	32	10	16	0.38	N.D.	0.53
29.05.2014	($\mu\text{g}/\text{m}^3$)	80	34	8	25	N.D.	N.D.	1.32

(D) LOCATION: THERMIC FLUID BOILER AREA

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
05.05.2014	($\mu\text{g}/\text{m}^3$)	77	32	12	36	0.69	N.D.	4.92
08.05.2014	($\mu\text{g}/\text{m}^3$)	85	37	9	20	0.35	0.39	1.67
15.05.2014	($\mu\text{g}/\text{m}^3$)	101	45	7	27	0.59	N.D.	2.33
15.05.2014	($\mu\text{g}/\text{m}^3$)	105	45	8	32	0.85	0.78	2.79
19.05.2014	($\mu\text{g}/\text{m}^3$)	94	43	14	29	0.75	0.48	3.99
22.05.2014	($\mu\text{g}/\text{m}^3$)	83	37	9	27	0.48	N.D.	2.25
26.05.2014	($\mu\text{g}/\text{m}^3$)	101	45	7	19	0.35	N.D.	0.49
29.05.2014	($\mu\text{g}/\text{m}^3$)	96	41	10	13	N.D.	N.D.	1.28

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

MONTH: JUNE, 2014

(A) LOCATION: RESIN RAW STORAGE AREA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
02.06.2014	($\mu\text{g}/\text{m}^3$)	89	36	11	23	1.41	0.88	2.44	
05.06.2014	($\mu\text{g}/\text{m}^3$)	96	40	7	19	N.D.	N.D.	1.62	
09.06.2014	($\mu\text{g}/\text{m}^3$)	114	49	8	22	0.67	0.42	2.03	
12.06.2014	($\mu\text{g}/\text{m}^3$)	92	38	5	31	0.94	0.74	2.49	
16.06.2014	($\mu\text{g}/\text{m}^3$)	102	46	8	26	N.D.	N.D.	1.83	
19.06.2014	($\mu\text{g}/\text{m}^3$)	88	35	7	17	0.53	N.D.	2.56	
23.06.2014	($\mu\text{g}/\text{m}^3$)	85	37	10	20	0.53	N.D.	N.D.	
26.06.2014	($\mu\text{g}/\text{m}^3$)	76	31	9	12	0.48	0.56	0.96	

(B) LOCATION: RESIN GROUND FLOOR (BLENDER AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.06.2014	($\mu\text{g}/\text{m}^3$)	87	36	7	22	1.36	0.83	2.38
05.06.2014	($\mu\text{g}/\text{m}^3$)	82	34	13	28	N.D.	N.D.	1.56
09.06.2014	($\mu\text{g}/\text{m}^3$)	107	47	8	17	0.62	0.37	1.97
12.06.2014	($\mu\text{g}/\text{m}^3$)	96	39	10	32	0.89	0.69	6.82
16.06.2014	($\mu\text{g}/\text{m}^3$)	78	35	12	20	N.D.	N.D.	1.77
19.06.2014	($\mu\text{g}/\text{m}^3$)	106	48	9	18	0.48	N.D.	2.5
23.06.2014	($\mu\text{g}/\text{m}^3$)	90	39	11	30	0.48	N.D.	N.D.
26.06.2014	($\mu\text{g}/\text{m}^3$)	85	35	7	24	0.43	0.51	3.02

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

(C) LOCATION: FIRST FLOOR OF RESIN PLANT (REACTOR AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.06.2014	(µg/m ³)	70	29	11	20	1.27	0.74	2.29
05.06.2014	(µg/m ³)	88	37	5	16	N.D.	N.D.	1.47
09.06.2014	(µg/m ³)	91	39	7	25	0.53	0.28	1.88
12.06.2014	(µg/m ³)	112	46	8	14	0.8	0.6	2.34
16.06.2014	(µg/m ³)	87	39	10	30	N.D.	N.D.	1.68
19.06.2014	(µg/m ³)	98	39	9	15	0.39	N.D.	2.41
23.06.2014	(µg/m ³)	101	43	11	18	0.39	N.D.	N.D.
26.06.2014	(µg/m ³)	81	33	7	20	0.34	0.42	2.93

(D) LOCATION: THERMIC FLUID BOILER AREA

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
02.06.2014	(µg/m ³)	94	39	13	36	1.24	0.71	2.25
05.06.2014	(µg/m ³)	86	36	17	23	N.D.	N.D.	1.43
09.06.2014	(µg/m ³)	99	44	12	27	0.5	0.25	1.84
12.06.2014	(µg/m ³)	103	47	16	32	0.77	0.57	2.3
16.06.2014	(µg/m ³)	92	41	13	29	N.D.	N.D.	1.64
19.06.2014	(µg/m ³)	81	36	17	27	0.36	N.D.	2.37
23.06.2014	(µg/m ³)	99	43	15	19	0.36	N.D.	N.D.
26.06.2014	(µg/m ³)	118	52	11	15	0.31	0.39	2.89

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

Envirotech East Pvt. Limited

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UN-F 13, 1050/1, Survey Park, Kolkata – 700 075

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Annexure – II

MONTH: JULY, 2014

(A) LOCATION: RESIN RAW STORAGE AREA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
04.07.2014	(µg/m ³)	70	34	7	10	0.23	0.27	3.12	
07.07.2014	(µg/m ³)	67	27	9	20	N.D.	N.D.	N.D.	
10.07.2014	(µg/m ³)	53	23	6	25	0.29	0.23	1.18	
14.07.2014	(µg/m ³)	67	27	8	17	N.D.	N.D.	N.D.	
18.07.2014	(µg/m ³)	64	30	7	11	0.24	0.19	1.17	
21.07.2014	(µg/m ³)	80	34	6	15	N.D.	N.D.	1.08	
25.07.2014	(µg/m ³)	70	29	9	22	N.D.	N.D.	N.D.	
28.07.2014	(µg/m ³)	66	28	8	17	N.D.	N.D.	N.D.	
(B) LOCATION: RESIN GROUND FLOOR (BLENDER AREA)									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
04.07.2014	(µg/m ³)	73	34	7	14	0.26	0.32	1.17	
07.07.2014	(µg/m ³)	65	29	8	16	N.D.	N.D.	N.D.	
10.07.2014	(µg/m ³)	77	36	10	12	0.32	0.26	1.23	
14.07.2014	(µg/m ³)	78	37	7	14	N.D.	N.D.	N.D.	
18.07.2014	(µg/m ³)	61	29	9	26	0.27	0.22	2.23	
21.07.2014	(µg/m ³)	82	41	8	13	N.D.	N.D.	1.13	
25.07.2014	(µg/m ³)	64	28	11	15	N.D.	N.D.	N.D.	
28.07.2014	(µg/m ³)	81	39	9	11	N.D.	N.D.	N.D.	

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

(C) LOCATION: FIRST FLOOR OF RESIN PLANT (REACTOR AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
04.07.2014	(µg/m ³)	57	24	6	15	0.13	0.17	0.42
07.07.2014	(µg/m ³)	65	30	9	9	N.D.	N.D.	N.D.
10.07.2014	(µg/m ³)	58	22	7	17	0.28	0.22	1.16
14.07.2014	(µg/m ³)	52	19	11	13	N.D.	N.D.	N.D.
18.07.2014	(µg/m ³)	56	22	8	11	0.23	0.18	2.16
21.07.2014	(µg/m ³)	68	26	10	8	N.D.	N.D.	1.06
25.07.2014	(µg/m ³)	58	24	7	13	N.D.	0.18	0.23
28.07.2014	(µg/m ³)	60	22	9	24	N.D.	N.D.	N.D.

(D) LOCATION: THERMIC FLUID BOILER AREA

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
04.07.2014	(µg/m ³)	83	34	6	14	0.22	0.28	1.13
07.07.2014	(µg/m ³)	75	32	8	21	0.24	0.3	N.D.
10.07.2014	(µg/m ³)	67	29	7	12	N.D.	N.D.	0.98
14.07.2014	(µg/m ³)	73	33	9	20	0.19	0.24	N.D.
18.07.2014	(µg/m ³)	77	37	10	14	N.D.	N.D.	0.82
21.07.2014	(µg/m ³)	63	30	7	17	0.42	0.38	1.09
25.07.2014	(µg/m ³)	56	28	9	21	N.D.	N.D.	0.35
28.07.2014	(µg/m ³)	64	29	6	22	N.D.	0.23	N.D.

N.D. : Not detected

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Annexure – II

MONTH: AUGUST, 2014

(A) LOCATION: RESIN RAW STORAGE AREA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
01.08.2014	($\mu\text{g}/\text{m}^3$)	79	37	7	21	0.18	0.22	1.14	
05.08.2014	($\mu\text{g}/\text{m}^3$)	73	35	8	26	N.D.	N.D.	N.D.	
08.08.2014	($\mu\text{g}/\text{m}^3$)	57	26	6	30	0.23	0.32	0.42	
11.08.2014	($\mu\text{g}/\text{m}^3$)	67	31	8	25	N.D.	N.D.	N.D.	
15.08.2014	($\mu\text{g}/\text{m}^3$)	85	40	10	19	N.D.	N.D.	1.22	
18.08.2014	($\mu\text{g}/\text{m}^3$)	58	29	8	23	0.16	0.26	2.18	
22.08.2014	($\mu\text{g}/\text{m}^3$)	66	34	11	20	N.D.	N.D.	N.D.	
25.08.2014	($\mu\text{g}/\text{m}^3$)	43	25	8	17	N.D.	N.D.	N.D.	
(B) LOCATION: RESIN GROUND FLOOR (BLENDER AREA)									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
01.08.2014	($\mu\text{g}/\text{m}^3$)	71	35	11	15	0.21	0.25	1.19	
05.08.2014	($\mu\text{g}/\text{m}^3$)	65	33	7	30	N.D.	N.D.	N.D.	
08.08.2014	($\mu\text{g}/\text{m}^3$)	74	42	8	13	0.26	0.35	0.47	
11.08.2014	($\mu\text{g}/\text{m}^3$)	58	33	10	17	N.D.	N.D.	N.D.	
15.08.2014	($\mu\text{g}/\text{m}^3$)	65	36	8	22	N.D.	N.D.	1.27	
18.08.2014	($\mu\text{g}/\text{m}^3$)	89	49	5	16	0.19	0.29	2.23	
22.08.2014	($\mu\text{g}/\text{m}^3$)	62	36	4	21	N.D.	N.D.	N.D.	
25.08.2014	($\mu\text{g}/\text{m}^3$)	67	34	7	9	N.D.	N.D.	N.D.	

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

(C) LOCATION: FIRST FLOOR OF RESIN PLANT (REACTOR AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
03.08.2014	($\mu\text{g}/\text{m}^3$)	67	26	6	19	0.17	0.21	1.12
06.08.2014	($\mu\text{g}/\text{m}^3$)	73	30	10	10	N.D.	N.D.	N.D.
10.08.2014	($\mu\text{g}/\text{m}^3$)	67	30	9	13	0.22	0.31	0.42
13.08.2014	($\mu\text{g}/\text{m}^3$)	63	27	12	19	N.D.	N.D.	N.D.
17.08.2014	($\mu\text{g}/\text{m}^3$)	76	36	8	24	N.D.	N.D.	1.2
20.08.2014	($\mu\text{g}/\text{m}^3$)	61	29	11	17	0.15	0.25	2.16
24.08.2014	($\mu\text{g}/\text{m}^3$)	66	30	8	9	N.D.	N.D.	N.D.
27.08.2014	($\mu\text{g}/\text{m}^3$)	83	39	8	14	N.D.	N.D.	N.D.

(D) LOCATION: THERMIC FLUID BOILER AREA

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
03.08.2014	($\mu\text{g}/\text{m}^3$)	69	33	11	15	N.D.	N.D.	0.68
06.08.2014	($\mu\text{g}/\text{m}^3$)	62	25	8	24	0.19	0.23	N.D.
10.08.2014	($\mu\text{g}/\text{m}^3$)	77	33	13	20	N.D.	N.D.	0.43
13.08.2014	($\mu\text{g}/\text{m}^3$)	87	43	7	32	0.24	0.33	N.D.
17.08.2014	($\mu\text{g}/\text{m}^3$)	79	35	9	16	N.D.	N.D.	1.23
20.08.2014	($\mu\text{g}/\text{m}^3$)	73	35	12	26	N.D.	N.D.	2.19
24.08.2014	($\mu\text{g}/\text{m}^3$)	67	30	10	30	0.17	0.27	N.D.
27.08.2014	($\mu\text{g}/\text{m}^3$)	63	42	7	12	N.D.	N.D.	N.D.

N.D. : Not detected

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

MONTH: SEPTEMBER, 2014

(A) LOCATION: RESIN RAW STORAGE AREA									
Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene	
01.09.2014	($\mu\text{g}/\text{m}^3$)	68	34	9	29	N.D.	N.D.	1.06	
05.09.2014	($\mu\text{g}/\text{m}^3$)	74	33	11	19	0.20	N.D.	N.D.	
08.09.2014	($\mu\text{g}/\text{m}^3$)	84	43	7	25	N.D.	N.D.	1.13	
11.09.2014	($\mu\text{g}/\text{m}^3$)	70	36	10	32	0.16	0.21	0.36	
15.09.2014	($\mu\text{g}/\text{m}^3$)	63	31	8	18	N.D.	N.D.	1.16	
19.09.2014	($\mu\text{g}/\text{m}^3$)	77	39	11	24	0.24	0.21	1.09	
22.09.2014	($\mu\text{g}/\text{m}^3$)	68	34	7	28	N.D.	N.D.	1.22	
26.09.2014	($\mu\text{g}/\text{m}^3$)	78	41	9	20	0.21	0.28	0.62	

(B) LOCATION: RESIN GROUND FLOOR (BLENDER AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
01.09.2014	($\mu\text{g}/\text{m}^3$)	62	34	10	14	N.D.	N.D.	1.11
05.09.2014	($\mu\text{g}/\text{m}^3$)	67	37	6	21	0.23	N.D.	N.D.
08.09.2014	($\mu\text{g}/\text{m}^3$)	61	32	4	13	N.D.	N.D.	3.78
11.09.2014	($\mu\text{g}/\text{m}^3$)	79	44	7	22	0.19	0.24	0.41
15.09.2014	($\mu\text{g}/\text{m}^3$)	85	45	6	19	N.D.	N.D.	1.21
19.09.2014	($\mu\text{g}/\text{m}^3$)	61	34	8	29	0.27	0.24	1.14
22.09.2014	($\mu\text{g}/\text{m}^3$)	73	41	5	18	N.D.	N.D.	1.27
26.09.2014	($\mu\text{g}/\text{m}^3$)	62	34	9	25	0.24	0.31	0.67

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

(C) LOCATION: FIRST FLOOR OF RESIN PLANT (REACTOR AREA)

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
03.09.2014	($\mu\text{g}/\text{m}^3$)	68	32	6	18	N.D.	N.D.	1.04
06.09.2014	($\mu\text{g}/\text{m}^3$)	77	37	8	26	0.19	N.D.	N.D.
10.09.2014	($\mu\text{g}/\text{m}^3$)	80	38	7	19	N.D.	N.D.	2.56
13.09.2014	($\mu\text{g}/\text{m}^3$)	70	31	5	17	0.15	0.2	0.34
18.09.2014	($\mu\text{g}/\text{m}^3$)	73	33	11	20	N.D.	N.D.	1.14
22.09.2014	($\mu\text{g}/\text{m}^3$)	69	32	5	12	0.23	0.2	1.07
25.09.2014	($\mu\text{g}/\text{m}^3$)	65	31	8	15	N.D.	N.D.	1.2
29.09.2014	($\mu\text{g}/\text{m}^3$)	77	35	10	19	0.2	0.27	0.6

(D) LOCATION: THERMIC FLUID BOILER AREA

Date	Unit	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Benzene	Toluene	Xylene
03.09.2014	($\mu\text{g}/\text{m}^3$)	57	39	8	21	N.D.	N.D.	1.07
06.09.2014	($\mu\text{g}/\text{m}^3$)	74	36	11	20	N.D.	N.D.	N.D.
10.09.2014	($\mu\text{g}/\text{m}^3$)	59	42	7	11	0.21	N.D.	2.89
13.09.2014	($\mu\text{g}/\text{m}^3$)	48	34	10	14	N.D.	N.D.	0.37
18.09.2014	($\mu\text{g}/\text{m}^3$)	71	27	9	22	0.17	0.22	1.17
22.09.2014	($\mu\text{g}/\text{m}^3$)	62	41	13	17	N.D.	N.D.	1.1
25.09.2014	($\mu\text{g}/\text{m}^3$)	69	40	8	23	0.25	0.22	0.66
29.09.2014	($\mu\text{g}/\text{m}^3$)	75	42	15	32	N.D.	N.D.	0.63

N.D. : Not detected

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Annexure – II

STATISTICAL ANALYSIS OF POLLUTANTS, PERIOD: APRIL, 2014 TO JUNE, 2014

(A) PERIOD: APRIL, 2014 TO JUNE, 2014					
Pollutants	Locations	Min	Max	A.M.	P - 98
PM₁₀ ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	76	141	100.8	140.1
	Resin Ground Floor (Blender Area)	72	116	93.7	115.5
	First Floor of Resin Plant (Reactor Area)	70	113	95.0	112.5
	Thermic fluid Boiler Area	77	118	96.8	117.1
	Overall	70	141	96.6	138.7
PM_{2.5} ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	31	63	43.2	62.3
	Resin Ground Floor (Blender Area)	31	52	40.5	51.5
	First Floor of Resin Plant (Reactor Area)	29	51	41.1	50.1
	Thermic fluid Boiler Area	32	52	42.2	51.5
	Overall	29	62.55	41.7	61.7
SO₂ ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	5	14	9.6	14.0
	Resin Ground Floor (Blender Area)	7	14	9.8	13.5
	First Floor of Resin Plant (Reactor Area)	5	13	9.1	12.5
	Thermic fluid Boiler Area	7	18	12.5	17.5
	Overall	5	18	10.3	17.3
NO₂ ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	12	37	24.8	36.1
	Resin Ground Floor (Blender Area)	17	40	27.5	39.1
	First Floor of Resin Plant (Reactor Area)	14	39	23.8	37.2
	Thermic fluid Boiler Area	13	36	26.8	36.0
	Overall	12	40	25.7	39.0

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Annexure – II

Benzene ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	0.48	1.41	0.83	1.39
	Resin Ground Floor (Blender Area)	0.43	1.63	0.82	1.62
	First Floor of Resin Plant (Reactor Area)	0.43	1.72	0.80	1.58
	Thermic fluid Boiler Area	0.31	1.51	0.70	1.50
	Overall	0.31	1.72	0.79	1.62
Toluene ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	1.47	6.06	2.87	5.69
	Resin Ground Floor (Blender Area)	0.29	1.42	0.69	1.38
	First Floor of Resin Plant (Reactor Area)	0.20	1.33	0.60	1.29
	Thermic fluid Boiler Area	0.17	1.30	0.57	1.26
	Overall	0.17	6.06	1.18	5.43
Xylene ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	0.96	6.06	2.77	5.69
	Resin Ground Floor (Blender Area)	0.62	6.82	2.71	5.90
	First Floor of Resin Plant (Reactor Area)	0.53	5.46	2.48	5.09
	Thermic fluid Boiler Area	0.49	4.92	2.40	4.56
	Overall	0.49	6.82	2.59	5.88

N.B.: Min: Minimum, Max: Maximum, A.M.: Arithmetic mean, P-98: 98 percentile

For ENVIROTECH EAST (P) LIMITED

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Annexure – II

STATISTICAL ANALYSIS OF POLLUTANTS, PERIOD: JULY, 2014 TO SEPT., 2014

(B) PERIOD: JULY, 2014 TO SEPT., 2014					
Pollutants	Locations	Min	Max	A.M.	P - 98
PM₁₀ ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	43	85	68.6	84.5
	Resin Ground Floor (Blender Area)	58	89	70.1	87.2
	First Floor of Resin Plant (Reactor Area)	52	83	67.0	81.6
	Thermic fluid Boiler Area	48	87	68.8	85.2
	Overall	43	89	68.6	87.0
PM_{2.5} ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	23	43	32.5	42.1
	Resin Ground Floor (Blender Area)	28	49	36.3	47.4
	First Floor of Resin Plant (Reactor Area)	19	39	29.3	38.6
	Thermic fluid Boiler Area	25	43	34.6	43.0
	Overall	18.8	49.22	33.2	47.2
SO₂ ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	6	11	8.3	11.0
	Resin Ground Floor (Blender Area)	4	11	7.7	11.0
	First Floor of Resin Plant (Reactor Area)	5	12	8.3	11.5
	Thermic fluid Boiler Area	6	15	9.2	14.1
	Overall	4	15	8.3	13.9
NO₂ ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	10	32	21.4	31.1
	Resin Ground Floor (Blender Area)	9	30	17.7	29.5
	First Floor of Resin Plant (Reactor Area)	8	26	15.9	25.1
	Thermic fluid Boiler Area	11	32	19.8	32.0
	Overall	8	32	18.7	31.9
Benzene ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	0.16	0.29	0.21	0.28
	Resin Ground Floor (Blender Area)	0.19	0.32	0.24	0.31
	First Floor of Resin Plant (Reactor Area)	0.13	0.28	0.20	0.27
	Thermic fluid Boiler Area	0.17	0.42	0.23	0.39

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Annexure – II

	Overall	0.13	0.42	0.22	0.38
Toluene ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	0.19	0.32	0.24	0.31
	Resin Ground Floor (Blender Area)	0.22	0.35	0.28	0.35
	First Floor of Resin Plant (Reactor Area)	0.17	0.31	0.22	0.30
	Thermic fluid Boiler Area	0.22	0.38	0.27	0.37
	Overall	0.17	0.38	0.25	0.37
Xylene ($\mu\text{g}/\text{m}^3$)	Resin Raw Storage Area	0.36	3.12	1.21	2.86
	Resin Ground Floor (Blender Area)	0.41	3.78	1.37	3.35
	First Floor of Resin Plant (Reactor Area)	0.23	2.56	1.12	2.44
	Thermic fluid Boiler Area	0.35	2.89	1.05	2.68
	Overall	0.23	3.78	1.19	3.32

N.B.: Min: Minimum, Max: Maximum, A.M.: Arithmetic mean, P-98: 98 percentile

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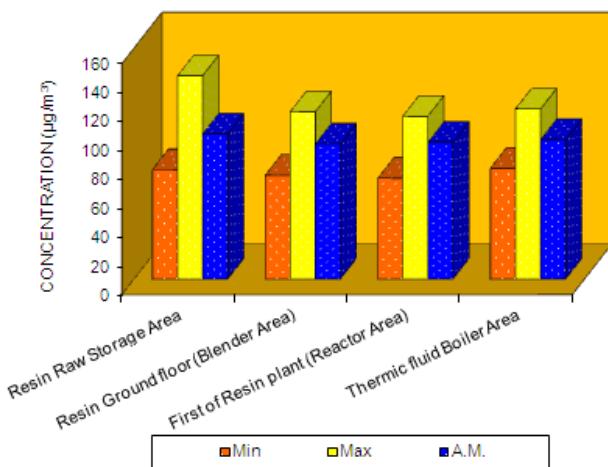
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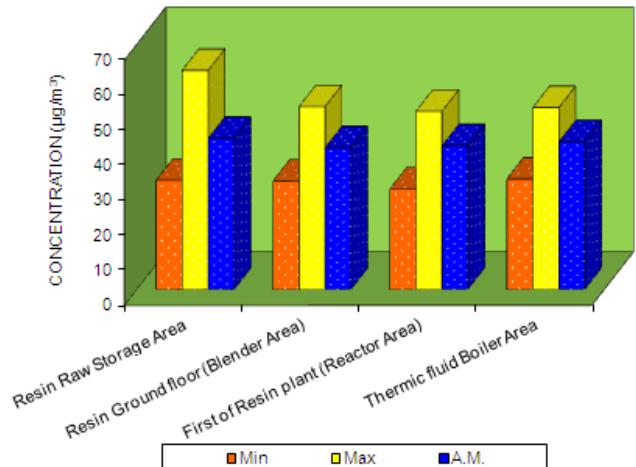
Annexure – II

GRAPHICAL PRESENTATION OF STATISTICAL ANALYSIS RESULTS (PERIOD: APRIL, 2014 TO JUNE, 2014)

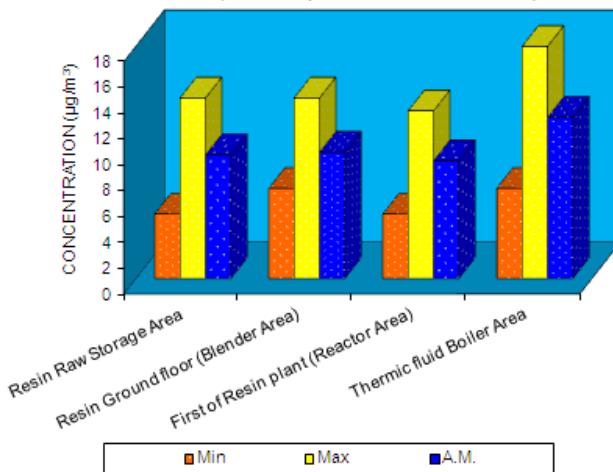
STATISTICAL ANALYSIS RESULTS OF PM₁₀
(Period: April, 2014 TO June, 2014)



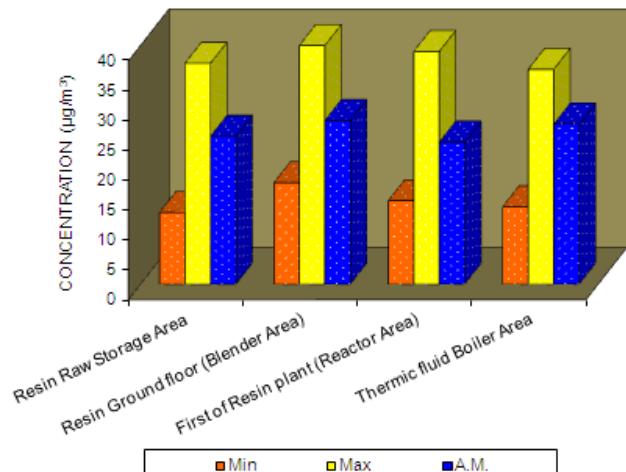
STATISTICAL ANALYSIS RESULTS OF PM_{2.5}
(Period: April, 2014 TO June, 2014)



STATISTICAL ANALYSIS RESULTS OF SO₂
(Period: April, 2014 TO June, 2014)



STATISTICAL ANALYSIS RESULTS OF NO₂
(Period: April, 2014 TO June, 2014)



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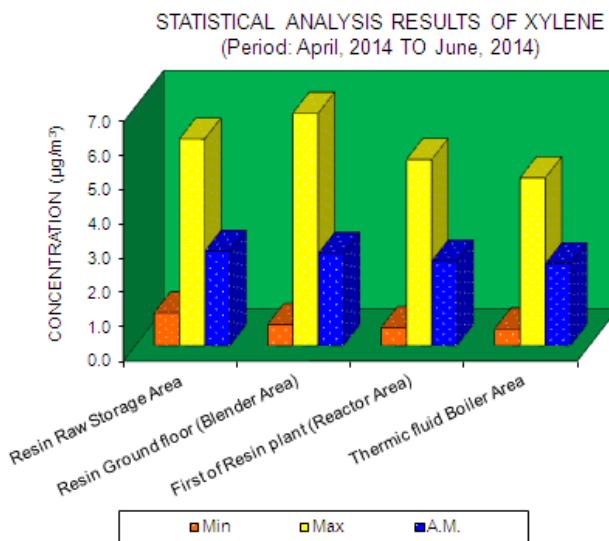
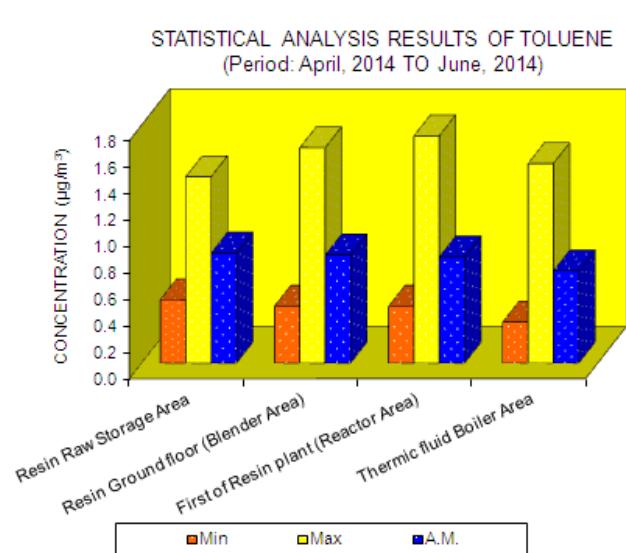
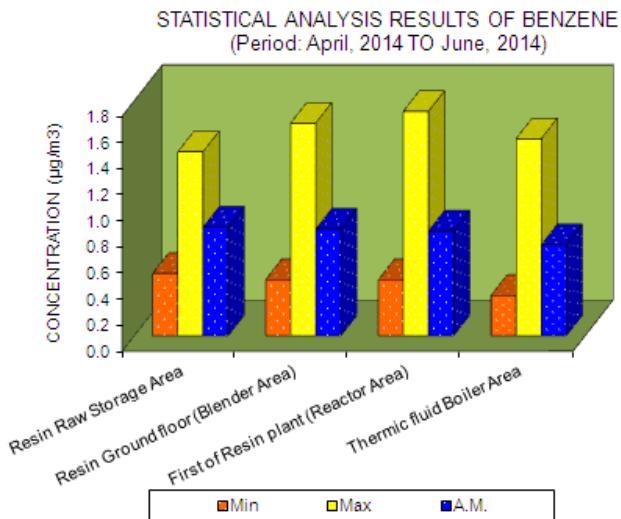
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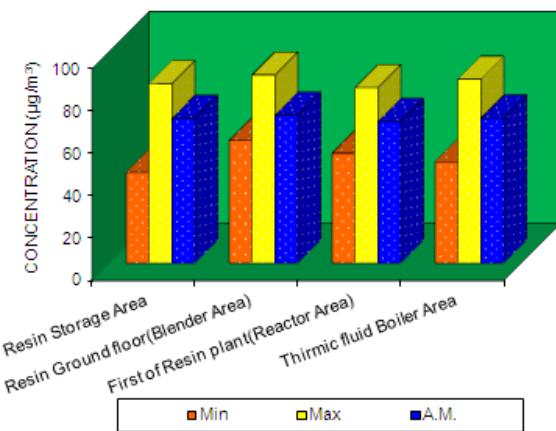
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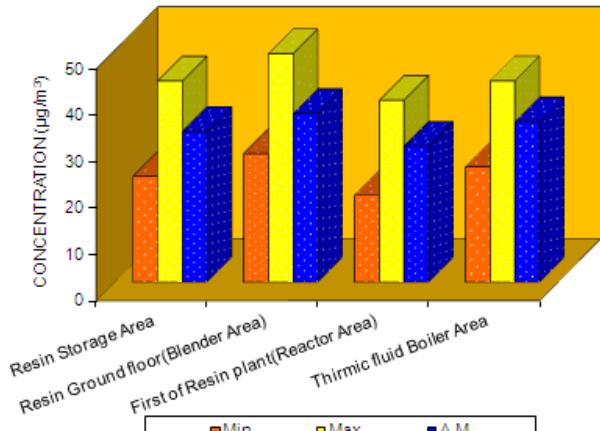
Annexure – II

GRAPHICAL PRESENTATION OF STATISTICAL ANALYSIS RESULTS (PERIOD: JULY, 2014 TO SEPTEMBER, 2014)

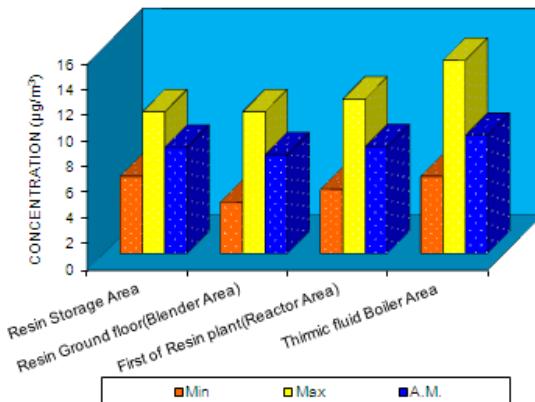
STATISTICAL ANALYSIS RESULTS OF PM₁₀
(Period: JULY, 2014 - SEPTEMBER, 2014)



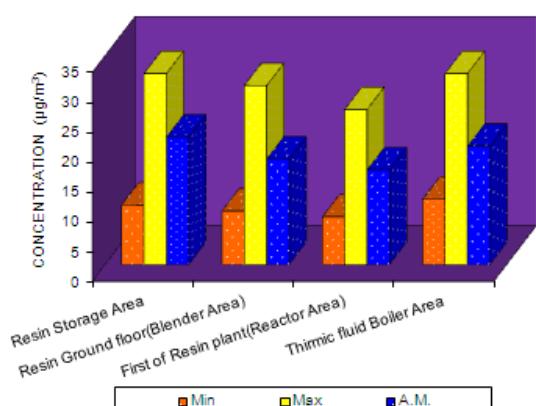
STATISTICAL ANALYSIS RESULTS OF PM_{2.5}
(Period: JULY, 2014 - SEPTEMBER, 2014)



STATISTICAL ANALYSIS RESULTS OF SO₂
(Period: JULY, 2014 - SEPTEMBER, 2014)



STATISTICAL ANALYSIS RESULTS OF NO₂
(Period: JULY, 2014 - SEPTEMBER, 2014)



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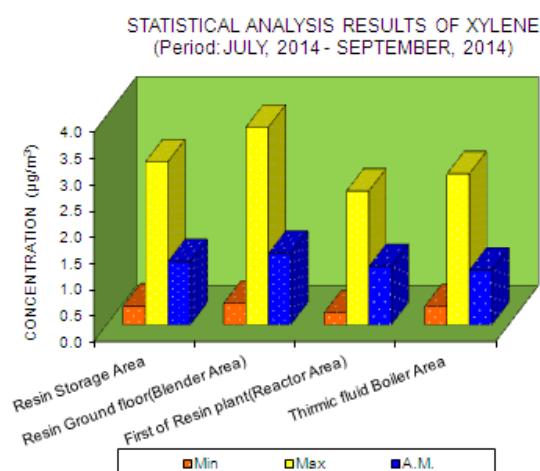
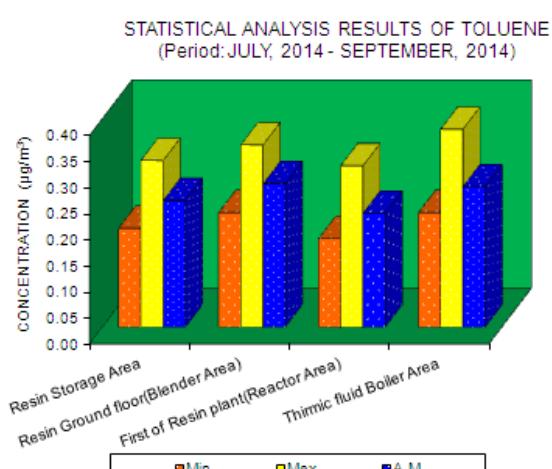
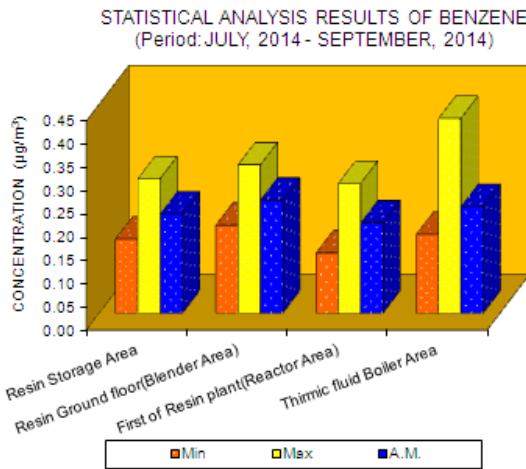
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Annexure - III

RESULTS OF EFFLUENT (BEFORE ETP) SAMPLE

Sl. No.	Parameters	Unit	April'14	May'14	June'14
1.	pH	-	5.5	4.3	5.6
2.	Total Suspended Solids	mg/l	231	215	245
3.	Oil & Grease	mg/l	13	12	15
4.	BOD (3 days at 27°C)	mg/l	923	968	979
5.	COD	mg/l	4277	4681	4511
6.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	2.7	2.0	2.4
7.	Lead (as Pb)	mg/l	0.6	0.3	0.5
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.13	0.28	0.19
9.	Chromium (as Cr)	mg/l	5.3	5.2	6.3
10.	Copper (as Cu)	mg/l	4.3	4.5	4.3
11.	Nickel (as Ni)	mg/l	3.6	5.8	5.1
12.	Zinc (as Zn)	mg/l	7.7	8.8	7.4

RESULTS OF EFFLUENT (BEFORE ETP) SAMPLE

Sl. No.	Parameters	Unit	July'14	August'14	September'14
1.	pH	-	4.9	5.5	4.2
2.	Total Suspended Solids	mg/l	181	233	192
3.	Oil & Grease	mg/l	11	14	17
4.	BOD (3 days at 27°C)	mg/l	956	922	1018
5.	COD	mg/l	4686	4097	4778
6.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	1.3	1.5	2.5

For ENVIROTECH EAST (P) LIMITED

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Annexure - III

Sl. No.	Parameters	Unit	July'14	August'14	September'14
7.	Lead (as Pb)	mg/l	0.6	0.4	0.6
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.22	0.36	0.24
9.	Chromium (as Cr)	mg/l	6.1	5.2	6.6
10.	Copper (as Cu)	mg/l	3.4	3.5	4.2
11.	Nickel (as Ni)	mg/l	4.3	4.4	5.3
12.	Zinc (as Zn)	mg/l	6.8	6.6	8.1

RESULTS OF EFFLUENT (AFTER ETP) SAMPLE

Sl. No.	Parameters	Unit	Standard	April'14	May'14	June'14
1.	pH	-	6.0 – 8.5	6.1	6.2	6.7
2.	Total Suspended Solids	mg/l	100	81	73	61
3.	Oil & Grease	mg/l	10	4	6	3
4.	BOD (3 days at 27°C)	mg/l	50	14	26	19
5.	COD	mg/l	250	230	219	169
6.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	1.0	0.4	0.3	0.5
7.	Lead (as Pb)	mg/l	0.1	<0.05	<0.05	<0.05
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.1	<0.05	<0.05	<0.05
9.	Chromium (as Cr)	mg/l	2.0	0.8	0.7	0.6
10.	Copper (as Cu)	mg/l	2.0	0.7	0.5	0.3
11.	Nickel (as Ni)	mg/l	2.0	0.5	0.7	0.3
12.	Zinc (as Zn)	mg/l	5.0	1.7	2.7	2.3

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Annexure - III

RESULTS OF EFFLUENT (AFTER ETP) SAMPLE

Sl. No.	Parameters	Unit	Standard	July'14	August'14	Sept.'14
1.	pH	-	6.0 – 8.5	6.4	5.4	6.7
2.	Total Suspended Solids	mg/l	100	60	65	89
3.	Oil & Grease	mg/l	10	4	6	5
4.	BOD (3 days at 27°C)	mg/l	50	28	19	25
5.	COD	mg/l	250	216	180	234
6.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	1.0	0.5	0.2	0.6
7.	Lead (as Pb)	mg/l	0.1	< 0.05	< 0.05	< 0.05
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.1	< 0.05	< 0.05	< 0.05
9.	Chromium (as Cr)	mg/l	2.0	0.6	0.5	1.4
10.	Copper (as Cu)	mg/l	2.0	0.6	0.8	1.4
11.	Nickel (as Ni)	mg/l	2.0	0.6	0.7	0.5
12.	Zinc (as Zn)	mg/l	5.0	1.6	2.7	2.5

RESULTS OF EFFLUENT (DOMESTIC OUTLET) SAMPLE

Sl. No.	Parameters	Unit	Standard	April'14	May'14	June'14
1.	pH	-	5.5 - 9.0	7.6	7.2	7.1
2.	Total Suspended Solids	mg/l	100	74	68	75
3.	Oil & Grease	mg/l	10	2	5	4
4.	BOD (3 days at 27°C)	mg/l	30	22	26	30
5.	COD	mg/l	250	125	91	135

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Annexure - III**RESULTS OF EFFLUENT (DOMESTIC OUTLET) SAMPLE**

Sl. No.	Parameters	Unit	Standard	July'14	August'14	September'14
1.	pH	-	5.5 - 9.0	7.1	7.3	6.9
2.	Total Suspended Solids	mg/l	100	75	66	61
3.	Oil & Grease	mg/l	10	2	6	5
4.	BOD (3 days at 27°C)	mg/l	30	25	19	24
5.	COD	mg/l	250	105	138	119

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Annexure – IV

EQUIVALENT NOISE LEVEL IN THE STUDY AREA, IN dB(A)

(PERIOD: APRIL, 2014 TO SEPTEMBER, 2014)

APRIL, 2014			
SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Project Site (Main Gate)	69.1	59.1
2	Abhirampur	59.2	48.4
3	Amta	59.7	46.3
4	Serpur	55.9	47.5

MAY, 2014			
SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Project Site (Main Gate)	68.8	60.0
2	Abhirampur	57.7	45.8
3	Amta	57.1	45.2
4	Serpur	57.5	46.8

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Annexure – IV

JUNE, 2014			
SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Project Site (Main Gate)	69.5	58.8
2	Abhirampur	55.7	46.1
3	Amta	58.1	45.5
4	Serpur	56.6	46.4
JULY, 2014			
SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Project Site (Main Gate)	66.4	59.3
2	Abhirampur	54.8	47.2
3	Amta	56.9	46.7
4	Serpur	55.6	45.3

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Annexure – IV

AUGUST, 2014			
SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Project Site (Main Gate)	68.1	58.2
2	Abhirampur	56.4	46.8
3	Amta	55.9	45.4
4	Serpur	56.7	46.2

SEPTEMBER, 2014			
SL.NO.	Location	DAY TIME	NIGHT TIME
		Leq- dB (A)	Leq- dB (A)
1	Project Site (Main Gate)	66.9	57.7
2	Abhirampur	55.2	47.0
3	Amta	58.5	46.6
4	Serpur	55.8	45.5

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