

o/c

adaniTM

Ref No. AKBTPL/ENVSTATEMENT/2017-18

Date: 19th April, 2018

To,
Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan,
Sector-10-A, Gandhinagar-382010

Dear Sir,

Sub: Environmental Statement for the financial year ending 31st March, 2018 for M/s **Adani Kandla Bulk Terminal Pvt Ltd (AKBTPL)**

Ref: PCB ID: - 46110, Consent Order No. AWH – 68051

With reference to the above mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for M/s **Adani Kandla Bulk Terminal Pvt Ltd, Ta. Anjar** for the financial year ending 31st March 2018.

Thank you,

Yours faithfully,
For **Adani Kandla Bulk Terminal Pvt Ltd**



Hiren Shah
(BU Head – AKBTPL)

Encl: As above.

Copy to:

1. The Regional Officer, Gujarat Pollution Control Board, Gandhidham.

02-05-18
Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)

Adani Kandla Bulk Terminal Pvt Ltd
Adani House
Nr Mithakhali Circle, Navrangpura
Ahmedabad 380 009
Gujarat, India
CIN: U63090GJ2012PTC069305

Tel +91 79 2656 5801
Fax +91 79 2555 6490
info@adani.com
www.adani.com

26/4/18
Gujarat Pollution Control Board
Sector No. 10 A,
Gandhinagar - 382 010

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

FORM V (See Rule 14)

Environmental Statement for the Financial Year ending 31st March 2018

PART - A

- | | | | |
|-------|--|---|---|
| (i) | Name and address of the Owner/
Occupier of the Industry Operation
or Process | : | Hiren Shah
BU Head – AKBTP
Adani Kandla Bulk Terminal Pvt Ltd.
Tuna Tekra, Taluka - Anjar
Dist. Kutch (Gujarat) |
| | | | |
| (ii) | Industry Category
Primary (STC Code)
Secondary (STC Code) | : | Red – Large
NA
NA |
| | | | |
| (iii) | Production Capacity | : | Dry Bulk Cargo Handling – 12 MMTPA |
| | | | |
| (iv) | Year of Establishment | : | 2011 – 12 (As per certification of
incorporation date of company) |
| | | | |
| (v) | Date of last Environment
Statement submitted | : | 25.04.2017 |

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

PART – B

Water and Raw Material Consumption

(i) Water Consumption

Water Consumption Cu.Mtr./Day	
Process	Nil
Cooling (Used in sprinkling / gardening / dust suppression)	446.76 m ³ /day*
Domestic	10.29 m ³ /day*

Name of Products	Process Water Consumption per unit of Product Output	
	During the previous financial year (2016- 17)	During the current financial year (2017 – 18)
Handling and Storage of dry bulk cargo*	4.456 MMT	4.205 MMT

(ii) Raw Material Consumption

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of output	
		During the previous financial year (2016 – 17)	During the current financial year (2017 – 18)
NIL*	Not Applicable	Nil	Nil

Note: AKBTPPL is involved logistic business, hence there no raw material being used.

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

PART – C

Pollutants discharged to Environment/Unit of Output (Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	AKBTPL is involved in logistic business; hence there is no process effluent discharge.		
(b) Air	• DG sets are provided as standby power source and used during power failure. • All the ambient air parameters are within standards. • Refer Annexure 3 [Ambient Air Monitoring Reports]		

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

PART – D

Hazardous Wastes

(As specified under Hazardous Wastes Management and Handling Rules 2016)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year (2016-17)	During the current financial year (2017-18)
(a) From Process Used Oil *	Generation – 3.61 KL Reuse – 1.643 KL (Used in Railway siding and MBU machines as a lubricant)	Generation – 4.720 MT Disposed-2.182 MT (Authorized recycler) Reuse – 2.440 MT (Used in Railway siding and MBU machines as a lubricant)
A A K (b) From Pollution Control facilities	Nil	Nil

AKBTPL is involved in logistic business; hence there is no process waste

PART – E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the previous financial year (2016-17)	During the current financial year (2017-18)
(a) From Process (Ash)	Nil	Nil
(b) From Pollution Control facilities	Nil	Nil
(C-1) Quantity recycled or reutilized within the unit	--	--
(C-2) Sold	--	260.833 MT
(C-3) Disposed	--	--

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

Used oil is being sent to authorized recycler and sometimes same is being reused for the lubrication purpose in stitching machine and railway siding. Oily cotton waste is being sent to common hazardous waste incineration facility (GSPL) for the incineration process. Solid waste is being collected by the municipality authorized vendor and same is disposed at municipal corporation waste handling site.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- Unit has installed Sewage Treatment Plant and for treatment of the Sewage water being generated at site. Approx.10-12KLD of sewage generated is treated in 25 KLD capacities STP based on FAB technology and treated water is used for horticulture purpose within plant premise.
- AKBTPPL has planted mangroves in 250 ha area near Satsaida Bet (Kandla), Kutch sea coast. Unit has formed dedicated Horticulture department & developing green belt within port premises.
- 5 ha in-situ biodiversity conservation project for mangroves is carried out at sat Satsaida Bet (location identified by DPT). M/s GUIDE has prepared a final report of the same.
- The total cost incurred on environmental protection measures is enclosed as **Annexure-1** and the green belt developed so far enclosed as **Annexure-2**.

PART - H

Additional measures /investment/ proposal for environmental protection including abatement of pollution, prevention of pollution.

- Unit is doing Regular Environmental Monitoring of Port & surrounding area through reputed NABL certified Laboratory. All the required environmental parameters are well within specified limit.
- Unit has installed STP for treatment of the Sewage water being generated at site. Unit has also provided dump pond & conveyance channel for collection of runoff generated from Coal Yard.
- Unit has installed OWC (organic waste converter) machine for treatment of daily food waste generated at site. So far 3400KG Composting manure is being used by the horticulture department as an organic fertilizer.

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

- Unit has provided DSS at coal yard & conveyer system and carrying out regular water spreading to control the dust exposure.
- Unit is developing green belt within port and outside continually with help of Horticulture dept. Approx. 14.10 hectare area is developed as greenbelt so far with various types of trees, plants and lawn.
- Continually taking new initiatives for protection of environment with respect to air-water-soil.

PART - I

Any other particulars for improving the quality of environment:

- Environment day celebration has been conducted on dtd. 5th June'2017 for workmen at site.
- Two days on dtd.30thNov'2017-1stDec'2017 awareness session has been organized on sustainability by corporate sustainability & CII (Confederation of Indian industries) team @AKBTPL.
- Integrated housekeeping and waste management being maintained regularly.



Date : 19.04.2018

(Signature of a person carrying out an industry, operation or process)

Name : Hiren Shah

Designation : BU Head – AKBTPL

Address : Adani Kandla Bulk Terminal Pvt Ltd,
Tuna Tekra, Taluka Anjar, District Kutch (Gujarat)

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

Annexure 1: Expenditure Details on Environmental Safeguards during FY 2017- 18

Sr. no.	Activity	Cost incurred (INR in Lakh)
1	Environmental Monitoring	8.18
2	Greenbelt development [Area: 14.10 Hectare]	44.35
3	Mangrove plantation	25.00
4	Disposal of wastes	7.80
5	Firefighting Equipment	116.24
Total		201.57

Environment Statement for 2017-18 for M/s Adani Kandla Bulk Terminal Pvt Ltd

Annexure – 2 Green zone developments details

CURRENT GREEN ZONE DETAILS OF TUNA PORT (AKBTPL) UP TO Mar.-2018								
Sr. No.	Green Zone Nos.	Location	Area (Ha)	Tree (No.)	Name of Species/Plant	Shrubs (SQM)	Green Carpet (SQM)	Palm (No.)
1	71a	SITE OFFICE BUILDING AND POB BUILDING AREA, SS-1 BUILDING	0.009	11	Neem (AZARDICA INDICA),	0	0	0
			0.22	2190	CASURINA PLANT	0	0	0
			0.01	25	Ficus Panda Topiary	0	0	0
			0.03		Washingtonian f.f.	0	0	87
			0.003		Almanda Dwarf.	25	0	0
			0.00		IXORA RED	15	0	0
			0.03		Lilly (HYMENOCALLIS SPECIOSA)	275	0	0
			0.0015		Euphorbia Milli	15	0	0
			0.85	2115	Eucalyptus spp	0	0	0
			0.00		Boungainvella Red	25	0	0
			0.03		Cycus	0	0	68
			0.06		Inermi	625	0	
			0.03		Coconut	0	0	79
			0.04		Clerodendron Inerme.	423	0	0
			0.86		Flat lawn	0	8569	0
			2.17	4341		1403.00	8569.00	234
2	71b	GREEN BELT AREA & PUM HOUSE	3.82	9549	Casuarina Spp.	0	0	0
			0.674	843	Neem (AZARDICA INDICA),	0	0	0
			0.334	417	Peltophorum	0	0	0
			1.79	4485	Eucalyptus spp	0	0	0
			0.01		Coconut	0	0	34
			0.01		Inermi	50	0	0
			0.00		IXORA RED	48	0	0
			0.01		Nerrium	100	0	0
			6.66	15294.00		198.00	0.00	0.00
3	71c	5KM. ROAD	0.40		Washingtonian F.F	0	0	1006
			0.40	0.00		0.00	0.00	1006.00
4	71d	SS-2 BUILDING AREA & Jetty Road				0	0	0
			0.43	4262	Casuarina Spp.	0	0	0
			0.03	36	Neem (AZARDICA INDICA)	0	0	0
			0.02	227	Casuarina	0	0	0
			0.09		Inermi	875.00	0	0
			2.00	1251.00	Coconut	0	0	0
			2.57	5776.00		875.00	0.00	0.00
5	71e	INTERNAL ROAD, RAILWAY BUILDING	0.10		Washingtonian F.F	0	0	250.00
			0.72	7156	Casuarina Spp.	0	0	0
			0.13	143	Neem (AZARDICA INDICA),	0	0	0
			0.114	143	Peltophorum	0	0	0
			0.05	51	Neem (AZARDICA INDICA),	0	0	0
			0.02	153	Casuarina	0	0	0
			1.17	2925	Eucalyptus spp	0	0	0
			0.01		Flat lawn	0	60.78	0
			0.00		Inermi	30	0	0
			0.00		Clerodendron Inerme.	100	0	0
			2.30	10571.00		130.00	60.78	250.00
Total			14.10	35982.00		2606.00	8629.78	1490

Annexure – 3

(Ambient Air Monitoring Reports)



POLLOCON

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Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

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“ENVIRONMENTAL MONITORING REPORT”

For

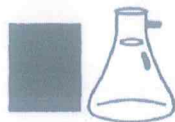
**ADANI KANDLA BULK TERMINAL PRIVATE
LIMITED.
KANDLA, KUTCH.**

OCTOBER 2017 TO MARCH 2018


H. T. Shah
Lab Manager




Dr. Arun Bajpai
Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

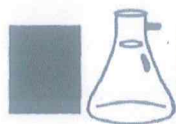
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National Ambient Air Quality Standards Dated 16th Nov.2009, CPCB New Delhi.

SR. NO.	TEST PARAMETER	UNIT	Concentration in ambient air	Method Of Measurement
1	Particulate Matter (PM ₁₀)	µg/m ³	100	IS:5182(Part 23):Gravimetric CPCB - Method (Vol.I,November-2011)
2	Particulate Matter (PM _{2.5})	µg/m ³	60	Gravimetric- CPCB - Method (Vol.I,November-2011)
3	Sulphur Dioxide (SO ₂)	µg/m ³	80	IS:5182(Part 2): Improved West and Gaeke
4	Oxides of Nitrogen (NO ₂)	µg/m ³	80	IS:5182(Part 6):Modified Jacob & Hochheiser (Na-Arsenite)

NS#: Not Specified, ** National Ambient Air Quality Standards Dated: 18/11/2009 as per Central Pollution Control Board, New Delhi.


H. T. Shah
Lab Manager
Dr. Arun Bajpai
Lab Manager (Q)

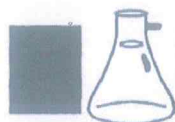
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TABLE NO. 1 RESULTS OF AAQM FOR LC GATE NO.2 [OCT 2017 - MARCH 2018]

Sr No.	Date of Sampling	Particulate Matter (PM10) ($\mu\text{g}/\text{m}^3$)	Particulate Matter (PM2.5) ($\mu\text{g}/\text{m}^3$)	Sulphur Dioxide (SO_2) ($\mu\text{g}/\text{m}^3$)	Oxides of Nitrogen (NO_2) ($\mu\text{g}/\text{m}^3$)
1	02/10/2017	77.10	42.44	28.39	42.65
2	05/10/2017	66.69	28.57	23.75	35.38
3	09/10/2017	71.59	40.34	17.51	21.46
4	12/10/2017	63.38	35.72	22.44	38.45
5	16/10/2017	78.37	44.73	26.56	28.35
6	19/10/2017	54.28	32.36	10.44	24.56
7	23/10/2017	76.31	39.50	25.49	30.65
8	26/10/2017	69.28	41.60	19.39	33.68
9	30/10/2017	91.42	53.37	17.42	16.36
10	02/11/2017	81.42	46.64	25.39	39.32
11	06/11/2017	59.38	33.62	8.33	19.60
12	09/11/2017	86.40	42.44	21.77	35.57
13	13/11/2017	74.58	36.56	15.56	27.71
14	16/11/2017	65.71	24.47	13.75	22.35
15	20/11/2017	83.21	34.46	23.28	34.48
16	23/11/2017	70.63	38.24	19.56	28.89
17	27/11/2017	52.57	21.43	14.55	17.65
18	30/11/2017	78.61	28.57	18.40	31.64
19	04/12/2017	73.39	30.38	26.47	38.34
20	07/12/2017	52.71	29.46	9.53	21.58
21	11/12/2017	78.39	37.23	24.57	39.38
22	14/12/2017	62.72	32.27	17.33	30.61
23	18/12/2017	71.29	41.14	11.45	16.46
24	21/12/2017	65.63	33.66	21.49	33.52
25	25/12/2017	58.59	18.78	16.71	19.26
26	28/12/2017	69.38	25.13	20.42	35.35
27	01/01/2018	84.59	37.61	23.37	36.40
28	04/01/2018	48.59	27.65	19.32	27.77
29	08/01/2018	79.28	46.18	26.46	34.51
30	11/01/2018	56.32	25.25	10.33	20.33
31	15/01/2018	67.49	38.36	18.64	17.47
32	18/01/2018	70.92	29.62	24.63	28.44
33	22/01/2018	62.50	24.46	17.54	22.57
34	25/01/2018	74.72	47.65	22.37	32.85
35	29/01/2018	68.29	28.32	12.35	37.51
36	01/02/2018	61.61	28.66	8.52	17.60
37	05/02/2018	70.33	34.50	16.38	38.53
38	08/02/2018	92.29	40.80	13.34	31.55
39	12/02/2018	68.29	27.69	20.62	42.46
40	15/02/2018	74.52	39.41	10.48	32.82
41	19/02/2018	48.61	21.39	15.59	24.14
42	22/02/2018	84.37	35.21	12.52	29.41
43	26/02/2018	77.60	38.62	21.39	23.55
44	01/03/2018	57.62	24.37	14.35	32.69
45	05/03/2018	65.40	32.27	11.29	35.59
46	08/03/2018	53.79	29.46	9.61	18.46
47	12/03/2018	48.58	20.55	17.41	24.25
48	15/03/2018	60.38	30.47	23.49	44.46
49	19/03/2018	59.28	23.19	12.42	26.40
50	22/03/2018	71.48	34.58	20.58	37.26
51	26/03/2018	62.28	19.54	16.70	40.34
52	29/03/2018	50.32	21.64	13.29	30.28


H. T. Shah
Lab Manager
Dr. Arun Bajpai
Lab Manager (Q)

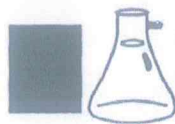
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Cleaner Production / Waste Minimization Facilitator

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TABLE NO. 2 RESULTS OF AAQM FOR STARTING OF PILE APPROACH [OCT 2017 - MARCH 2018]

Sr No.	Date of Sampling	Particulate Matter (PM10) ($\mu\text{g}/\text{m}^3$)	Particulate Matter (PM2.5) ($\mu\text{g}/\text{m}^3$)	Sulphur Dioxide (SO_2) ($\mu\text{g}/\text{m}^3$)	Oxides of Nitrogen (NO_2) ($\mu\text{g}/\text{m}^3$)
1	02/10/2017	84.30	46.63	17.60	38.54
2	05/10/2017	56.32	25.62	19.65	28.85
3	09/10/2017	80.31	48.73	15.50	18.39
4	12/10/2017	72.70	39.49	26.45	35.57
5	16/10/2017	64.30	30.67	10.34	21.68
6	19/10/2017	49.22	20.58	14.43	29.36
7	23/10/2017	71.80	33.61	20.57	24.35
8	26/10/2017	52.42	29.40	22.55	42.47
9	30/10/2017	78.58	43.69	11.35	20.34
10	02/11/2017	69.41	34.45	22.64	37.45
11	06/11/2017	53.49	28.56	12.75	22.63
12	09/11/2017	77.49	37.39	16.46	31.46
13	13/11/2017	58.39	25.62	18.51	34.23
14	16/11/2017	84.62	44.53	9.67	30.41
15	20/11/2017	72.49	39.49	20.31	42.45
16	23/11/2017	60.59	30.25	15.55	23.60
17	27/11/2017	86.71	45.37	11.43	15.56
18	30/11/2017	70.42	32.77	21.34	26.52
19	04/12/2017	88.61	35.12	16.51	44.49
20	07/12/2017	47.62	25.37	14.57	24.88
21	11/12/2017	68.68	33.14	18.49	36.40
22	14/12/2017	51.61	22.89	20.61	38.24
23	18/12/2017	78.32	45.62	24.40	41.22
24	21/12/2017	83.58	26.93	17.50	26.35
25	25/12/2017	90.57	40.41	12.55	15.57
26	28/12/2017	76.31	29.19	23.45	29.41
27	01/01/2018	74.51	31.13	20.52	26.45
28	04/01/2018	62.41	24.24	23.36	35.46
29	08/01/2018	94.41	51.25	12.43	41.31
30	11/01/2018	50.28	21.63	16.70	23.41
31	15/01/2018	86.58	47.38	14.63	38.38
32	18/01/2018	75.39	32.64	19.47	24.24
33	22/01/2018	69.32	28.19	11.28	31.37
34	25/01/2018	81.41	50.32	26.28	27.24
35	29/01/2018	79.62	33.40	18.52	32.44
36	01/02/2018	55.37	23.36	14.62	20.45
37	05/02/2018	95.29	50.28	11.55	34.20
38	08/02/2018	81.48	34.82	9.79	23.44
39	12/02/2018	76.12	30.41	6.66	37.49
40	15/02/2018	87.61	42.60	13.48	28.22
41	19/02/2018	68.42	27.60	13.38	31.57
42	22/02/2018	93.39	49.19	10.63	36.70
43	26/02/2018	82.42	46.21	17.42	42.69
44	01/03/2018	77.49	34.40	10.57	25.35
45	05/03/2018	81.52	47.80	14.57	30.44
46	08/03/2018	70.42	36.42	15.57	21.83
47	12/03/2018	82.58	41.38	23.68	34.45
48	15/03/2018	75.59	45.62	18.62	29.35
49	19/03/2018	64.27	28.65	6.60	15.65
50	22/03/2018	80.31	48.56	25.39	40.51
51	26/03/2018	92.41	55.45	21.67	44.35
52	29/03/2018	84.30	37.55	11.54	39.41

H. T. Shah
Lab Manager**Dr. Arun Bajpai**
Lab Manager (Q)

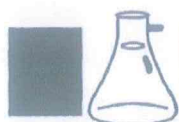
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Cleaner Production / Waste Minimization Facilitator

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TABLE NO. 3 RESULTS OF AAQM FOR SOUTH WEST CORNER AT PUMP HOUSE [OCT 2017 - MARCH 2018]

Sr No.	Date of Sampling	Particulate Matter (PM10) ($\mu\text{g}/\text{m}^3$)	Particulate Matter (PM2.5) ($\mu\text{g}/\text{m}^3$)	Sulphur Dioxide (SO_2) ($\mu\text{g}/\text{m}^3$)	Oxides of Nitrogen (NO_2) ($\mu\text{g}/\text{m}^3$)
1	02/10/2017	57.39	29.29	26.39	33.56
2	05/10/2017	49.28	20.50	15.42	21.65
3	09/10/2017	62.61	38.38	11.66	29.60
4	12/10/2017	55.52	27.74	19.46	31.23
5	16/10/2017	71.50	33.63	12.51	25.29
6	19/10/2017	41.60	23.69	8.38	18.53
7	23/10/2017	53.62	23.55	18.50	36.36
8	26/10/2017	60.28	39.69	16.57	28.20
9	30/10/2017	73.29	46.52	6.66	13.52
10	02/11/2017	76.84	42.64	10.54	19.29
11	06/11/2017	45.52	22.68	6.29	15.25
12	09/11/2017	57.62	25.30	14.37	28.40
13	13/11/2017	65.31	30.69	11.73	22.36
14	16/11/2017	79.51	40.35	5.34	16.46
15	20/11/2017	61.21	27.57	21.62	26.66
16	23/11/2017	50.62	20.50	12.50	18.55
17	27/11/2017	67.61	33.58	9.43	23.51
18	30/11/2017	59.48	24.55	15.56	20.25
19	04/12/2017	52.60	24.08	12.48	29.32
20	07/12/2017	42.60	19.76	5.47	16.77
21	11/12/2017	56.48	22.29	15.70	32.43
22	14/12/2017	46.79	26.94	10.73	24.63
23	18/12/2017	67.32	37.33	8.36	21.22
24	21/12/2017	58.71	17.92	13.70	20.67
25	25/12/2017	72.58	29.53	9.74	25.25
26	28/12/2017	62.40	21.50	17.61	22.65
27	01/01/2018	61.29	20.50	17.61	31.32
28	04/01/2018	50.41	15.35	12.41	22.51
29	08/01/2018	71.49	38.38	8.45	26.49
30	11/01/2018	44.21	16.35	5.51	15.60
31	15/01/2018	78.62	43.76	10.62	30.35
32	18/01/2018	63.35	27.48	15.62	34.22
33	22/01/2018	54.51	23.55	7.61	17.28
34	25/01/2018	60.30	34.93	19.61	21.48
35	29/01/2018	72.81	30.37	9.72	28.53
36	01/02/2018	48.32	18.35	5.51	15.44
37	05/02/2018	76.58	40.56	9.48	27.57
38	08/02/2018	66.49	30.18	11.38	29.34
39	12/02/2018	58.43	23.25	15.70	33.40
40	15/02/2018	80.39	33.21	7.66	22.46
41	19/02/2018	54.20	24.51	10.40	19.44
42	22/02/2018	77.50	32.40	6.37	30.20
43	26/02/2018	59.49	19.32	13.50	34.55
44	01/03/2018	52.41	15.68	12.63	28.55
45	05/03/2018	70.60	35.41	8.46	23.67
46	08/03/2018	64.50	33.54	5.36	15.55
47	12/03/2018	71.62	29.43	10.59	20.42
48	15/03/2018	68.50	37.37	13.65	36.38
49	19/03/2018	49.59	18.39	9.44	22.42
50	22/03/2018	76.77	41.69	18.42	35.28
51	26/03/2018	66.77	21.68	14.57	27.62
52	29/03/2018	58.57	28.39	7.54	33.44

H. T. Shah
Lab Manager
Dr. Arun Bajpai
Lab Manager (Q)

**POLLUCON****LABORATORIES PVT. LTD.**Environmental Auditors, Consultants & Analysts.
Cleaner Production / Waste Minimization Facilitator

Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986

TABLE NO. 4 RESULTS OF AAQM FOR NORTH EAST CORNER OF BACK UP AREA [OCT 2017 - MARCH 2018]

Sr No.	Date of Sampling	Particulate Matter (PM10) ($\mu\text{g}/\text{m}^3$)	Particulate Matter (PM2.5) ($\mu\text{g}/\text{m}^3$)	Sulphur Dioxide (SO_2) ($\mu\text{g}/\text{m}^3$)	Oxides of Nitrogen (NO_2) ($\mu\text{g}/\text{m}^3$)
1	02/10/2017	71.21	37.35	19.36	30.38
2	05/10/2017	82.59	35.43	25.56	28.69
3	09/10/2017	76.38	42.33	22.45	34.49
4	12/10/2017	91.23	49.39	12.52	26.52
5	16/10/2017	80.59	39.43	21.73	42.43
6	19/10/2017	58.28	34.45	17.72	27.75
7	23/10/2017	61.30	28.34	15.76	38.93
8	26/10/2017	77.50	44.41	27.40	35.56
9	30/10/2017	68.42	40.67	14.44	27.75
10	02/11/2017	90.40	49.39	8.40	33.64
11	06/11/2017	64.52	25.42	14.45	22.75
12	09/11/2017	70.51	30.30	12.50	31.25
13	13/11/2017	83.37	39.43	23.42	38.40
14	16/11/2017	73.60	34.45	11.33	27.57
15	20/11/2017	88.58	45.66	16.72	20.53
16	23/11/2017	77.61	32.51	21.41	35.39
17	27/11/2017	82.41	37.35	18.60	29.42
18	30/11/2017	65.41	36.52	10.44	24.56
19	04/12/2017	78.61	40.47	18.50	22.29
20	07/12/2017	57.83	22.34	16.59	36.54
21	11/12/2017	62.38	26.81	13.48	33.35
22	14/12/2017	73.41	34.82	25.47	42.33
23	18/12/2017	85.60	50.59	19.75	37.36
24	21/12/2017	92.62	28.68	23.67	39.30
25	25/12/2017	86.63	33.64	20.38	31.17
26	28/12/2017	71.21	32.00	11.57	26.93
27	01/01/2018	67.39	27.60	14.56	39.51
28	04/01/2018	79.39	30.34	24.66	42.44
29	08/01/2018	85.39	43.37	18.76	20.46
30	11/01/2018	63.52	29.55	12.56	33.39
31	15/01/2018	90.40	51.51	22.59	36.20
32	18/01/2018	87.48	37.44	26.32	31.52
33	22/01/2018	76.27	31.63	13.73	27.51
34	25/01/2018	69.40	42.33	15.40	24.39
35	29/01/2018	83.38	36.52	20.37	43.55
36	01/02/2018	70.58	30.42	11.41	28.36
37	05/02/2018	86.28	44.64	19.61	31.36
38	08/02/2018	76.27	33.49	15.59	34.55
39	12/02/2018	81.42	37.52	12.43	29.14
40	15/02/2018	93.41	86.21	17.55	38.46
41	19/02/2018	79.38	32.42	22.36	35.53
42	22/02/2018	89.31	41.18	16.37	42.48
43	26/02/2018	95.58	55.70	24.71	27.33
44	01/03/2018	66.87	37.64	16.27	36.73
45	05/03/2018	91.19	51.27	18.62	41.16
46	08/03/2018	80.29	42.54	11.53	30.61
47	12/03/2018	62.41	24.45	20.53	37.45
48	15/03/2018	83.38	48.35	25.62	39.57
49	19/03/2018	74.48	30.42	15.37	23.54
50	22/03/2018	92.28	52.56	23.46	32.41
51	26/03/2018	85.39	45.45	19.68	35.36
52	29/03/2018	90.40	40.18	17.26	29.17


H. T. Shah
 Lab Manager


Dr. Arun Bajpai
 Lab Manager (Q)