

TABLE-A  
 AMBIENT AIR QUALITY RESULTS  
 MONITORING STATION:RIVER SITE

Annexure-IIa

SL.	DATE	Pollutant's Concentration											
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	Lead (Pb) µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Benzo(a)Pyrene (BaP) ng/m <sup>3</sup>	Arsenic (As) ng/m <sup>3</sup>	Nickel (Ni) ng/m <sup>3</sup>
1	30/11.01/12.2016	95	40	5.6	23.5			0.44					
2	03/04/12.2016	99	58	7.8	32.2			0.33					
3	07/08.12.2016	85	50	6.6	34.2			0.28					
4	26/27.12.2016	86	47	6.3	36.7			0.38					
5	10/11.12.2016	164	89	4.8	26.6			0.29					
6	12/13.12.2016	115	67	6.2	26.8			0.27					
7	16/17.12.2016	126	56	7	35.2			0.48					
8	18/19.12.2016	198	95	9.7	40.5			0.52					
9	30/31.12.2016	118	73	7.5	44.3			0.42					
10	02/03.01.2017	87	45	5.2	32.5			0.29					
11	06/07.01.2017	99	51	8.6	41.6			0.35					
12	08/09.01.2017	83	44	6.3	36.4			0.32					
13	11/12.01.2017	74	38	6	33.8			0.29					
14	17/18.01.2017	87	44	8	41.3			0.35					
15	22/23.01.2017	94	52	6.8	34.7			0.32					
16	24/25.01.2017	71	37	4.5	28.6			0.26					
17	22/23.12.2016	89	57	6.5	42.6	62.8	0.13	0.54	12.5	<2.08	<0.4	<1.0	8.25
<b>AVERAGE</b>		94.71	49.94	9.63	34.79	62.8	0.13	0.36	12.5	<2.08	<0.4	<1.0	8.25

TABLE-B  
 AMBIENT AIR QUALITY RESULTS  
 MONITORING STATION: RAMNAGAR

SL.	DATE	Pollutant's Concentration											
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	Lead (Pb) µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Benzo(a)Pyrene (BaP) ng/m <sup>3</sup>	Arsenic (As) ng/m <sup>3</sup>	Nickel (Ni) ng/m <sup>3</sup>
1	01/02.12.2016	135	79	9.6	38.6			0.65					
2	03/04.12.2016	164	87	8.5	33.4			0.82					
3	04/05.12.2016	159	86	7.6	41.2			0.75					
4	14/15.12.2016	187	91	9.5	51.2			0.87					
5	17/18.12.2016	159	57	8.2	44.6			0.68					
6	24/25.12.2016	128	55	6.8	37.5			0.56					
7	27/28.12.2016	96	49	7.3	40.3			0.78					
8	31/12.01/1/2017	147	77	9.7	55.2			0.92					
9	03/04.01.2017	95	46	7.8	39.4			0.85					
10	07/07.01.2017	93	37	5.9	35.7			0.76					
11	10/11.01.2017	84	44	6.2	41.2			0.83					
12	12/13.01.2017	79	42	5.3	35.4			0.67					
13	14/15.01.2017	92	57	7.5	43.5			0.78					
14	16/17.01.2017	95	59	8.3	45.7			0.84					
15	21/22.01.2017	75	38	6.4	37.5			0.72					
16	23/24.01.2017	81	44	7.2	40.8			0.81					
17	20/21.12.2016	147	78	8.6	56.3	42.5	0.03	0.75	24.5	<2.08	<0.4	<1.0	7.54
<b>AVERAGE</b>		118.59	60.35	6.43	44.84	42.5	0.03	0.77	24.5	<2.08	<0.4	<1.0	7.54

Note: High values of PM10 due to outside road vehicle movement and traffic.

TABLE-C  
 AMBIENT AIR QUALITY RESULTS  
 MONITORING STATION:FACTORY MCPI GATE

SL.	DATE	Pollutant's Concentration											
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	Lead (Pb) µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Benzo(a)Pyrene (BaP) ng/m <sup>3</sup>	Arsenic (As) ng/m <sup>3</sup>	Nickel (Ni) ng/m <sup>3</sup>
1	30.11/01.12.2016	88	49	8.2	45.5			0.55					
2	03/04.12.2016	94	58	7.5	42.2			0.66					
3	07/08.12.2016	85	47	9.2	38.5			0.71					
4	10/11.12.2016	86	50	9.7	26.6			0.41					
5	12/13.12.2016	92	46	6.2	26.8			0.56					
6	16/17.12.2016	97	57	9.8	55.3			0.95					
7	18/19.12.2016	86	49	10.4	58.7			0.91					
8	26/27.12.2016	96	55	8.2	42.3			0.84					
9	30/31.12.2016	92	52	11.4	47.5			0.97					
10	02/03.01.2017	87	49	10.7	51.2			1.05					
11	06/07.01.2017	90	54	8.2	40.3			0.89					
12	08/09.01.2017	91	50	9.6	48.3			0.92					
13	11/12.01.2017	96	51	7.8	41.2			0.81					
14	17/18.01.2017	86	48	6.5	38.4			0.76					
15	22/23.01.2017	89	57	5.8	35.2			0.62					
16	24/25.01.2017	91	56	7.6	43.6			0.85					
17	21/22.12.2016	97	57	10.9	52.6	57.3	0.03	0.88	21.5	4.04	<0.4	<1.0	9.23
<b>AVERAGE</b>		90.76	52.06	8.6882	43.188	57.3	0.03	0.78	21.5	4.04	<0.4	<1.0	9.23

TABLE-D  
 AMBIENT AIR QUALITY RESULTS  
 MONITORING STATION: BASUDEV PUR

SL.	DATE	Pollutant's Concentration											
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	Lead (Pb) µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Benzo(a)Pyrene (BaP) ng/m <sup>3</sup>	Arsenic (As) ng/m <sup>3</sup>	Nickel (Ni) ng/m <sup>3</sup>
1	6/7.12.2016	73.00	36	8.5	42.5			0.45					
2	9/10.12.2016	105.00	70	6.6	32.5			0.68					
3	11/12.12.2016	169.00	81	9.6	52.2			0.75					
4	15/16.12.2016	194.00	98	15.3	58.3			0.89					
5	19/20.12.2016	185.00	86	12.8	48.5			0.78					
6	25/26.12.2016	98.00	51	7.2	39.5			0.58					
7	28/29.12.2016	89.00	47	6.8	34.2			0.49					
8	01/02.01.2017	78.00	36	5.7	30.2			0.51					
9	05/06.01.2017	97.00	57	6.5	42.3			0.74					
10	09/10.01.2017	128.00	58	8.2	51.2			0.86					
11	13/14.01.2017	88.00	45	6	38.4			0.65					
12	18/19.01.2017	76.00	40	5.3	33.7			0.58					
13	20/21.01.2017	93.00	52	6.8	40.2			0.63					
14	25/26.01.2017	78.00	40	5.2	34.5			0.54					
15	27/28.01.2017	81.00	42	5.9	39.5			0.67					
16	29/30.01.2017	74.00	38	4.9	32.8			0.52					
17	23/24.12.2016	97.00	58	9.3	57.4	36.7	0.19	0.85	18.5	<2.08	<0.4	<1.0	11.7
<b>AVERAGE</b>		106.06	55.00	7.68	41.64	36.7	0.19	0.7	18.5	<2.08	<0.4	<1.0	11.7

Note: High values of PM10 due to outside road vehicle movement and traffic.

TABLE-E  
 AMBIENT AIR QUALITY RESULTS  
 MONITORING STATION DURGA CHAK

SL.	DATE	Pollutant's Concentration											
		PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	Lead (Pb) µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Benzo(a)Pyrene (BaP) ng/m <sup>3</sup>	Arsenic (As) ng/m <sup>3</sup>	Nickel (Ni) ng/m <sup>3</sup>
1	06/07.12.2016	155	78	12.2	58.5			0.92					
2	09/10.12.2016	179	79	18.5	48.5			0.87					
3	11/12.12.2016	142	75	16.6	62.2			0.75					
4	15/16.12.2016	95	52	9.3	52.4			0.69					
5	19/20.12.2016	169	84	12.8	49.7			0.78					
6	25/26.12.2016	142	74	14.6	52.3			1.14					
7	28/29.12.2016	138	57	11.7	42.6			0.95					
8	01/02.01.2017	149	78	15.2	54.3			1.21					
9	05/06.01.2017	131	81	12.3	47.5			0.92					
10	09/10.01.2017	98	54	9.5	39.6			0.85					
11	13/14.01.2017	84	44	8.2	35.7			0.74					
12	18/19.01.2017	79	42	6.7	33.2			0.62					
13	20/21.01.2017	95	53	7.9	42.3			0.79					
14	25/26.01.2017	86	44	6.2	38.7			0.62					
15	27/28.01.2017	76	40	5.7	35.4			0.56					
16	29/30.01.2017	97	52	6.8	44.3			0.73					
17	23/24.12.2016	167	96	14.6	54.9	42.7	0.08	0.92	19.5	4.35	<0.4	<1.0	14.2
<b>AVERAGE</b>		122.47059	63.71	11.106	46.594	42.7	0.08	0.8271	19.5	4.35	<0.4	<1.0	14.2

Note: High values of PM10 due to outside road vehicle movement and traffic.

TABLE-F  
 AMBIENT AIR QUALITY RESULTS  
 MONITORING STATION RAGHU NATH CHAK

SL.	DATE	Pollutant's Concentration											
		PM <sub>10</sub> μg/m <sup>3</sup>	PM <sub>2.5</sub> μg/m <sup>3</sup>	SO <sub>2</sub> μg/m <sup>3</sup>	NO <sub>2</sub> μg/m <sup>3</sup>	Ozone (O <sub>3</sub> ) μg/m <sup>3</sup>	Lead (Pb) μg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ) μg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ) μg/m <sup>3</sup>	Benzo(a)Pyrene (BaP) ng/m <sup>3</sup>	Arsenic (As) ng/m <sup>3</sup>	Nickel (Ni) ng/m <sup>3</sup>
1	01/02.12.2016	78.00	50.00	6.60	35.20			0.35					
2	04/05.12.2016	82.00	51.00	5.50	29.60			0.66					
3	08/09.12.2016	66.00	35.00	7.20	41.20			0.54					
4	14/15.12.2016	196.00	72.00	8.50	45.80			0.75					
5	17/18.12.2016	167.00	85.00	9.40	51.60			0.83					
6	24/25.12.2016	188.00	97.00	7.60	48.30			0.93					
7	27/28.12.2016	97.00	57.00	6.50	36.40			0.75					
8	31/12.01/02.2017	71.00	30.00	5.30	24.50			0.87					
9	03/04.01.2017	88.00	39.00	6.20	37.60			0.95					
10	07/08.01.2017	90.00	42.00	7.00	40.20			0.97					
11	10/11.01.2017	78.00	40.00	5.90	34.80			0.65					
12	12/13.01.2017	87.00	45.00	6.60	38.50			0.74					
13	14/15.01.2017	72.00	38.00	5.40	32.70			0.58					
14	16/17.01.2017	85.00	44.00	6.70	37.20			0.72					
15	21/22.01.2017	63.00	36.00	4.60	32.40			0.64					
16	23/24.01.2017	77.00	40.00	5.80	36.90			0.57					
17	20/21.12.2016	82.00	51.00	7.60	51.30	35.7	0.04	0.62	15.2	<2.08	<0.4	<1.0	7.36
<b>AVERAGE</b>		98.06	50.12	6.61	38.48	35.70	0.04	0.71	15.2	<2.08	<0.4	<1.0	7.36

