

As per the general conditions number (XXIII) stipulated in SEIAA-EC-0000000475 dated 29 October 2018 and general conditions number (xi) stipulated in EC dated 5th December 2014 for post construction/operation phase, the details of Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded during December 2018	Remarks for the values recorded during December 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	23.37 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	23.65 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	68.22 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	37.50 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 22.22 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.75 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

* As per Authorization Dated 19.08.2017

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded during November 2018	Remarks for the values recorded during November 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.11 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	21.59 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	75.76 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	41.46 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 21.91 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.58 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit
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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded October 2018	Remarks for the values recorded October 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.72 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	21.99 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	71.85 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	36.46 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 22.02 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.91 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded September 2018	Remarks for the values recorded September 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	23.58 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	24.89 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	70.55 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	32.29 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 23.52 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.10 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded August 2018	Remarks for the values recorded August 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.89 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	22.56 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	64.68 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	41.67 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 24.53 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.19 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded July 2018	Remarks for the values recorded July 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	24.62 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	25.25 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	67.90 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	38.96 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 25.04 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.13 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit
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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded June 2018	Remarks for the values recorded June 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.41 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	21.69 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	72.35 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	42.08 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 21.30 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.57 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded May 2018	Remarks for the values recorded May 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	22.49 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	23.51 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	71.03 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	44.79 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 23.48 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.31 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded April 2018	Remarks for the values recorded April 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	21.50 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	24.58 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	68.82 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	28.96 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 22.73 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.45 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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As per the general conditions number (xi) stipulated in EC dated 5th December 2014 for post construction/operation phase, the details of Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded March 2018	Remarks for the values recorded March 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	21.26 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	22.03 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	72.73 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	43.75 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 22.69 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.82 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Average Values Recorded February 2018	Remarks for the values recorded February 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	17.44 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	18.28 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	76.92 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	40.90 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 21.77 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.12 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded January 2018	Remarks for the values recorded January 2018
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.70 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	22.44 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	74.50 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	39.38 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 23.37 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1 hour average : 4 mg/m ³	1 hour average : <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.05 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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