

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 October 2024	Remarks for the values recorded October 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.36 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	26.77 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	54.26 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	32.09 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.99 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	24 hours 1-hourly 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

* As per Authorization Dated 23.08.2022

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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 September 2024	Remarks for the values recorded September 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.71 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.26 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.66 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.50 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.81 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	24 hours 1-hourly 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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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded August 2024	Remarks for the values recorded August 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.45 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.13 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	54.52 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.75 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.45 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.61 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 July 2024	Remarks for the values recorded July 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.13 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.44 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	53.41 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.02 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.68 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	5.57 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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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded June 2024	Remarks for the values recorded June 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.82 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	28.24 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.34 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	32.27 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.73 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.94 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 May 2024	Remarks for the values recorded May 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.43 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.41 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	50.75 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	32.03 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 25.34 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	5.62 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 April 2024	Remarks for the values recorded April 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.43 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.91 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.91 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.03 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.07 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.64 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 March 2024	Remarks for the values recorded March 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.20 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.31 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.40 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	31.05 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.47 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.99 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 February 2024	Remarks for the values recorded February 2024
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	18.31 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.22 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.73 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	31.25 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 27.46 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.97 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
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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 January 2024	Remarks for the values recorded January 2024
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)	27.13 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.79 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	31.46 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 28.04 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	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.70 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
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