

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 December 2017	Remarks for the values recorded December 2017
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	17.90 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	21.10 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	69.95 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	38.34 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 23.10 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)	4.54 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 November 2017	Remarks for the values recorded November 2017
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	18.47 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	19.19 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	72.07 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	39.79 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average : 100 µg/m ³	8 hours average : 20.82 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)	4.39 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 Limits	Values Recorded January -2017	Values Recorded February -2017	Values Recorded March-2017	Values Recorded April-2017	Values Recorded May-2017	Values Recorded June-2017	Values Recorded July-2017	Values Recorded August-2017	Values Recorded September -2017	Values Recorded October -2017	Remarks for Values Recorded October - 2017
1	Sulphur Dioxide (SO ₂)*	80 µg/m ³ (24 hrs)	13.02 µg/m ³ (24 hrs)	22.14 µg/m ³ (24 hrs)	16.10 µg/m ³ (24 hrs)	12.73 µg/m ³ (24 hrs)	17.42 µg/m ³ (24 hrs)	17.99 µg/m ³ (24 hrs)	17.52 µg/m ³ (24 hrs)	18.67 µg/m ³ (24 hrs)	17.52 µg/m ³ (24 hrs)	18.23 µg/m ³ (24 hrs)	Within limits
2	Suspended Particulate Matter*	500 µg/m ³ (24 hrs)	405 µg/m ³ (24 hrs)	422.83 µg/m ³ (24 hrs)	455.93 µg/m ³ (24 hrs)	270.50 µg/m ³ (24 hrs)	260.98 µg/m ³ (24 hrs)	207.58 µg/m ³ (24 hrs)	195.30 µg/m ³ (24 hrs)	189.50 µg/m ³ (24 hrs)	152.74 µg/m ³ (24 hrs)	176.42 µg/m ³ (24 hrs)	Within limits
3	Methane*	Not to exceed 25% of the lower explosive limit (equivalent to 650 mg/m ³)	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	<0.5 mg/m ³	Within limits
4	Ammonia*	0.4 mg/m ³ (400 µg/m ³) 24 hrs	4.15 µg/m ³ (24 hrs)	5.78 µg/m ³ (24 hrs)	5.92 µg/m ³ (24 hrs)	4.83 µg/m ³ (24 hrs)	5.22 µg/m ³ (24 hrs)	4.80 µg/m ³ (24 hrs)	4.46 µg/m ³ (24 hrs)	4.65 µg/m ³ (24 hrs)	4.31 µg/m ³ (24 hrs)	4.55 µg/m ³ (24 hrs)	Within limits
5	Carbon Monoxide*	1 hour average: 2 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	1 hour average: <0.4 mg/m ³	Within Limits

* As per Authorization dated 30/03/2012 & EC dated 05/12/2014.