

## TEST REPORT

<b>Sample Particulars : Ambient Air Quality</b>		<b>Test Report Ref. No. HWMP/02/24</b>
<b>Sample Code</b>	: AAQ-01 to 03 [Within the Plant ]	<b>Locations:</b> TSDf Main Gate (A-I) : Near Landfill-1 (A-II) : Incineration Plant (A-III)
<b>Reporting Date</b>	: 02.03.2024.	


### Ambient Air Quality Results

Sr. No's.	Parameters	Units	Locations			
			A-I	A-II	A-III	NAAQS Vol.-I 2012-13.
1.	Particulate Matter as P.M <sub>10</sub>	µg/m <sup>3</sup>	62	58	73	100
2.	Particulate Matter as P.M <sub>2.5</sub>	µg/m <sup>3</sup>	36.9	35.4	39.4	60
3.	Sulphur Dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	19.4	18.1	22.2	80
4.	Oxides of Nitrogen as NO <sub>2</sub>	µg/m <sup>3</sup>	23.6	25	30.5	80
5.	Ozone as (O <sub>3</sub> )	µg/m <sup>3</sup>	13.5	12.7	15.2	180
6.	Ammonia as (NH <sub>3</sub> )	µg/m <sup>3</sup>	16.1	16.1	19.2	400
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	1.5	1.7	2.5	4.0
8.	Lead as Pb	µg/m <sup>3</sup>	<0.1	<0.1	<0.1	1.0
9.	Arsenic as As	ng/m <sup>3</sup>	<0.1	<0.1	<0.1	6
10.	Nickel as Ni	ng/m <sup>3</sup>	<0.1	<0.1	<0.1	20
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL	BDL	BDL	5.0
12.	Benzo(a)Pyrene (BaP)	ng/m <sup>3</sup>	BDL	BDL	BDL	1.0

Note: Above parameters are on the basis of 24 hourly and O<sub>3</sub> is 1 hour monitored.

1. Respirable Dust Sampler Model: APM 460 BL, Sl. No.970-DTI-2007, PM10/2.5 Sampler, APM154 LES – S. No 308-DTJ-2017
2. Respirable Dust Sampler Model: APM 460 BL, Sl. No.1208-DTE-2008, PM10/2.5 Sampler, APM154 LES – S. No 248-DTD-2017
3. Respirable Dust Sampler Model: APM 460 BL, Sl. No.1207-DTE-2008, PM10/2.5 Sampler, APM154 LES – S. No 247-DTD-2017

Note: Calibrated On: 02.02.2024 & Due Date: 01.02.2025; Calibrated by –Lata Enviro Tech Services.

  
**(Y. Swathi)**  
**Quality Manager.**

**Hyderabad Waste Management Project**

[A Division of Re Sustainability Limited]

Site Address:

TSDf at: Survey No. 684/1,  
Dundigal - Gandimaisamma Municipality,  
Medchal - Malkajgiri Dist. - 500 043,  
Telangana. India.

**Re Sustainability Limited**

(Formerly known as Ramky Enviro Engineers Limited)

Registered Office:

Level 11B, Aurobindo Galaxy,  
Hyderabad Knowledge City,  
HITECH City Road, Hyderabad-500 081. India.  
CIN No. U74140TG1994PLC018833

T: +91 93936 44222

E: mbd\_hwmp@resustainability.com  
laboratoryhwmp@resustainability.com

**resustainability.com**

## TEST REPORT

<b>Sample Particulars : Ambient Air Quality</b>	<b>Test Report Ref. No.: HWMP/02/24</b>
<b>Sample Code : AAQ-01 to 03</b> <b>[5 KM Radius]</b>	<b>Locations : Kistaipally Village (A-I)</b> <b>: Dundigal Village (A-II)</b> <b>: Gandimysamma (A-III)</b>
<b>Report Date : 27/02/2024</b>	
<b>Monitoring Date : 24/02/2024</b>	

### Ambient Air Quality Results

Sl. No's.	Parameters	Units	Locations			NAAQS Vol.-I 2012-13.
			A-I	A-II	A-III	
1	Particulate Matter as P.M <sub>10</sub>	µg/m <sup>3</sup>	62	59	69	100
2	Particulate Matter as P.M <sub>2.5</sub>	µg/m <sup>3</sup>	34.2	30.3	35.4	60
3	Sulphur Dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	15.4	13.8	17.3	80
4	Nitrogen Dioxide as NO <sub>2</sub>	µg/m <sup>3</sup>	22.7	20.3	24.3	80
5	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	8.2	6.4	9.3	180
6	Carbon Monoxide as CO	mg/m <sup>3</sup>	1.8	1.4	1.7	4.0
7	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	9.8	8.4	10.7	400
8	Lead as Pb	µg/m <sup>3</sup>	<0.1	<0.1	<0.1	1.0
9	Arsenic as As	ng/m <sup>3</sup>	<0.1	<0.1	<0.1	6.0
10	Nickel as Ni	ng/m <sup>3</sup>	<0.1	<0.1	<0.1	20
11	Benzene as (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL	BDL	BDL	5.0
12	Benzo(a)Pyrene as (BaP)	ng/m <sup>3</sup>	BDL	BDL	BDL	1.0

Note: Above parameters are on the basis of 24 hourly and O<sub>3</sub> is 1 hour monitored.

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