

Date: 03/05/2024

To,  
The Member Secretary,  
Madhya Pradesh Pollution Control Board,  
Paryawaran Parisar, E-5, Arera Colony,  
Bhopal -462 016 (M.P.)

**Sub: Submission of Environmental Statement (Form V) Year 2023-24**

Dear Sir,

We express our sincere gratitude and appreciation for your continued support in our endeavor to develop Integrated Common Hazardous waste Treatment, storage and disposal facility for the benefit of industries in the state of MP.

Please find the enclosed herewith Environmental Statement (Form V) for F.Y. 2023-24 for your information and records.

We assure you of our best services at all times.

Thanking You,

Regards,

For Pithampur Industrial Waste Management Pvt. Ltd.

(Authorized Signatory)

**Enclosed: Environmental Statement (Form V) with annexure.**

**CC: MPPCB, Regional Office, Vikas Bhawan, Sector-II, Pithampur, Dist. Dhar (MP)**

Pithampur Industrial Waste Management Private Limited  
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

Level 11B, Aurobindo Galaxy,  
Hyderabad Knowledge City,  
HITECH City Road, Hyderabad-500 081,  
India.

Site Address:

Plot No 104, Industrial Area, Sector-II,  
Pithampur, District Dhar - 454 775,  
Madhya Pradesh,  
India.

**A. Environment Statement (Form-V) Uploaded in XGN on 11/05/2024 14:04:09 from IP No: 139.167.2.242.**  
**B. 17649-Pithampur Industrial Waste Management Private Limited accepts the LEGAL responsibility and undertakes that the furnished information is CORRECT & ACCURATE.**



Certificate REG No : 23EQKR96 [ISO 9001 : 2015]  
Certificate REG No : 23EEKW93 [ISO 14001 : 2015]  
Certificate REG No : 23EOKE89 [ISO 45001 : 2018]

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**FORM – V****Environmental Statement for the period of April 2023 to March 2024****PART - A**

(i)	Name & Address of the owner/ Occupier of the Industry Operation or process	Pithampur Industrial Waste Management Pvt. Ltd. Plot No: 104, Sector-II, Pithampur, Dist-Dhar - 454775, M.P.
(ii)	Industry Category	Hazardous Waste Management Facility, Miscellaneous Red
(iii)	Production Capacity (Units)	Disposal Capacity of hazardous Waste: 213500 MT/ Annum (Landfillable, Incineration, Empty Barrels/containers, liners contaminate with hazardous chemicals/waste, AFRF)
(iv)	Year of Establishment	Sep.'05
(v)	Date of the last Environmental audit Report submitted	--

**PART - B****Water and Raw Material Consumption****(I) WATER CONSUMPTION**

Unit	Quantity (m <sup>3</sup> /day)
Process and Container Washings (Drum Washing, Lab etc.)	6.0 KL
Agriculture purposes	15.0 KL (gardening)
Domestic/Drinking	10.0KL
Others used in scrubber for scrubbing in incinerator of Biomedical Waste Disposal incinerator	NIL
Industrial Processing	40.0 KL
<b>Total (Approx)</b>	<b>71.0 KL/Day</b>

Name of products	Water consumption per unit of products M <sup>3</sup> /T	
	During the previous Financial year (2022-23)	During the Current Financial year (2023-24)
Hazardous Waste Disposal	0.2	0.25

**(II) RAW MATERIAL CONSUMPTION**

S.No.	Name of Raw materials	Name of Products	Consumption of raw material per unit of output – MT	
			During the Previous Financial year (2022-2023)	During the Current Financial year (2023-2024)
1.	Lime	Consumption during stabilization of hazardous waste	2001.609	1847.746
2.	Fly ash		1629.183	1607.050
3.	Cement		571.978	1071.316
4.	4% Sodium Hypochlorite		10.14	2.833
5	Sodium Sulphide		0.794	0
6	Sodium Hydroxide		0.794	0
7	Nitric Acid		0.794	0

**PART - C****Pollution Generated**

(Parameter as specified in the consent issued)

(i)	Pollutants	Quantity of pollution generated (kg/day)	Quantity of pollution generated (mg/L)	Percentage variation from Prescribed standards with reason
a)	<b>Waste water: Waste water is generated from Solar Evaporation Pond (Analysis Reports Attached)</b>			
	TDS			Pl. Find attached reports of Solar Evaporation Pond- <b>Annexure-I</b>
	TSS			
	COD			
	BOD			
b)	<b>Air: NO AIR POLLUTION</b>			
	Particulate Matter			Pl. Find attached reports of AAQM at site- <b>Annexure-II</b> , (Few of Them attached for reference) Stack emission reports- <b>Annexure-III</b> (Few of Them attached for reference)
	SO <sub>2</sub>			
	NO <sub>x</sub>			

**PART - D****Hazardous Wastes**

(As specified under Hazardous Wastes/Management and Handling Rules 1989)

<b>Hazardous Wastes</b>	<b>Total Quantity (Mt)</b>	
	<b>During the Previous Financial year (2022-2023)</b>	<b>During the Current Financial year (2023-2024)</b>
<b>(a) From process</b>	Nil	Nil
<b>(b) From Pollution Control facilities (Ash from Incinerator)</b>	479.580MT	183.910
<b>(c) Chemical Sludge</b>	16.730 MT	12.620
<b>(d) Used Oil</b>	0.47MT	-

**PART - E****SOLID WASTES**

<b>Solid Waste</b>	<b>Total quantity</b>	
	<b>During the Previous Financial year (2022-2023)</b>	<b>During the Current Financial year (2023-2024)</b>
a) From process	Nil	Nil
(b) From pollution Control facility	Nil	Nil
(c) i)Quantity recycled or reutilised	21.15 MT	87.74MT
ii)Solid (From SEPs & Tyre Wash	Nil	Nil
iii)Disposed	Nil	Nil

**PART - F**

**Please specify the characteristics in terms of concentration and quantum of Hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.**

PIWMPL is a hazardous waste disposal facility catering to hazardous waste disposal needs of the industry. This facility disposes and handle the waste using five modes as follows:

SI No	Product	Existing facility TSDF (Qty./year)
1	Direct Landfill 75,000.0 M.T	75,000.0 M.T
2	Landfill After Treatment	1,00,000.0 M.T
3	Incinerable waste	20,000.0 M.
4	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	500.0 M.T
5	Alternate Fuel Recovery Facility (AFRF	18000.0 M.T

Besides this the hazardous waste generated from the process in the FY 23-24 are as follows:

SI No	Hazardous Waste	Quantity (MT)	Disposal Mode
1	Incinerator Ash	183.910	Secured Landfill
2	Chemical Sludge /MEE Salt	12.620	Secured Landfill

Solid waste generated from canteen and other dry waste are disposed through Pithampur Municipal Cooperation

**PART - G**

**Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production.**

The industry itself is a pollution control measure. About 504133.427 MT of waste has been disposed from the date of its commissioning i.e. 24.11.2006 to 31.03.2024 as against commissioned capacity of 213500 MT per annum.

The pollution control measures taken at Pithampur Industrial Waste Management Pvt. Ltd, Pithampur are as follows:

**Air Pollution Control Measures:**

- Regular water sprinkling is being carried out by mobile water sprinklers at sources of fugitive dust generation like loading and unloading areas to suppress emission and distribution of dust particulates

- Plantation is carried out at most of the areas to prevent dust flow
- Continuous Ambient Air Monitoring Station (CAAQMS) and Continuous Emission Monitoring System (CEMS) has been installed and the real time data are being transmitted to CPCB and MPPCB server for effective control of air pollution.
- Periodical monitoring of Air Quality is being carried out at four locations and were found to be within the CPCB permissible limit.
- All internal roads are connected with Concrete roads to control dust during transportation.

#### **Water Pollution Control Measures:**

- Runoff is coursed through garland drains and is connected to First Flush Retention Pond (FFRP)
- Leachate are disposed through Multiple Effect Evaporator (MEE) plant/spraying in the landfill to achieve the Zero Liquid Discharge (ZLD). The Leachate stored in the pond are also reduced due to solar Evaporation.
- Vehicle washing Effluents are collected in Leachate Collection Pond (LCP) and disposed through MEE
- Periodic monitoring of 6 piezometric wells is being carried out and the results are within the limits.
- STP developed and Operational for 10KLD.

#### **Sound Control Measures:**

- Preventive maintenance of machineries is carried out properly to control the noise level below 85dB in the work Environment.
- Workers engaged in operations department are provided with ear plugs/ muffs
- Periodic monitoring of noise level (ambient as well as work zone environment) is being carried out and the results were found to be within the limits.
- DG sets were installed inside the acoustic enclosure and the results were found to be within the limit.

### **PART - H**

#### **Additional investment proposal for environmental protection including abatement of pollution, prevention of pollution**

- Domestic Effluent are treated in Sewage Treatment Plant (STP) and the treated water has been used for gardening purposes.
- All hazardous vehicles are washed at the tyre wash area after emptied so as to prevent any contamination on soil.

- FES system has been installed at the AFRF and Stabilization area to prevent particulate and gases emissions.
- Leachate generated are disposed through MEE plant/spraying in the landfill to achieve the Zero Liquid Discharge (ZLD).
- Garland drains are connected to First Flush Retention Pond (FFRP) so that there is no discharged outside the TSDF facility.

**PART - I**  
**Miscellaneous**

**Any other particulars for improving the quality of the environment:**

- We are continuously developing Green belt area, Utilization of Leaves/Litter for compost preparation and implementation of Rain Water Harvesting at our site.
- An Environment Cell has been developed for monitoring and implementation of safeguard measures for Environmental Parameters.
- Internal Roads are connected with pucca roads to control fugitive Emissions of particulate matter generated during transportation and internal movements.
- Continuous Ambient Air Monitoring Station (CAAQMS) and Continuous Emission Monitoring System (CEMS) has been installed and the real time data are being transmitted to CPCB and MPPCB server.
- Good Housekeeping practices are adopted to avoid leakage, spillage and seepage etc

Date: 03.05.2024

For Pithampur Industrial Waste Management Pvt. Ltd.



# ANNEXURE - I





## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., ( LABORATORY )

Issued to : M/s. PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.

Lab Ref.No: PIWMPL/LAB/1432/2023-24

PLOT NO: 104 , SECTOR II

Issue Date of Test Report : 30/03/2024

PITHAMPUR DIST.DHAR

ULR No.: TC113592400000140F

MADHYA PRADESH

Sampling Location : Leachate from Solar Pond

Latitude- 22°63'15'.27 N

Longitude - 75°67'96'.98 E

Nature of Sample: Waste Water

Packing Type

Unsealed

Date & Time of Sampling : 18/03/2024 at 11:35 Hours

Date of Receipt:

18/03/2024

Start Date of Analysis: 19/03/2024

End Date of Analysis:

29/03/2024

Other Details :

Sample Quantity : 2 Litre (Poly bottle)

Ambient Temperature : 25.2 °C

Sample Collected by : Sunil Kumawat (Chemist)

Humidity : 48 %

Sampling Protocol : PIWMPL/LAB/SOP-02

### Test Results

Table 1- Physical & Chemical Parameters

Sl. No	Parameters	Unit	Results	Test Method
1	Temperature	°C	25.2	APHA 23 <sup>rd</sup> 2017-2550 B
2	pH	-	815	APHA 23 <sup>rd</sup> 2017; 4500-H+ B
3	Total Dissolved Solids	mg/L	91290.0	APHA 23 <sup>rd</sup> 2017; 2540-C
4	Total Suspended Solids	mg/L	71.00	APHA 23 <sup>rd</sup> 2017; 2540-D
5	Total Solids	mg/L	91361.0	APHA 23 <sup>rd</sup> 2017; 2540-
6	Chlorides as Cl <sup>-</sup>	mg/L	41405.60	APHA 23 <sup>rd</sup> 2017; 4500-Cl-B,C
7	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/L	8352.0	IS : 3025(Part 24/sec-1)-2022
8	Nitrates as NO <sub>3</sub> <sup>-</sup>	mg/L	1567.0	APHA 23 <sup>rd</sup> 2017; 4500- NO3-B
9	Phosphate as PO4 <sup>-</sup>	mg/L	3.93	APHA 23rd 2017; 4500-P D
10	T. Alkalinity as CaCO <sub>3</sub>	mg/L	3400.0	APHA 23 <sup>rd</sup> 2017; 2320 B
11	Acidity as CaCO <sub>3</sub>	mg/L	BDL (DL 5.0)	APHA 23 <sup>rd</sup> 2017; 2310 B
12	T. Hardness as CaCO <sub>3</sub>	mg/L	10600.0	APHA 23 <sup>rd</sup> 2017; 2340 C
13	Calcium as Ca	mg/L	3366.72	APHA 23 <sup>rd</sup> 2017; 3500-Ca B
14	Magnesium (as Mg)	mg/L	1757.69	APHA 23 <sup>rd</sup> 2017; 3500-Mg B
15	Sodium as Na	mg/L	25387.0	APHA 23 <sup>rd</sup> 2017; 3500-Na B
16	Potassium as K	mg/L	3657.0	APHA 23 <sup>rd</sup> 2017; 3500-K B

Reviewed By:

Ram Avtar Prajapati

Page No. 1/2

Authorized Signatory:

S.Babyrani

Pithampur Industrial Waste Management Private Limited  
[A Subsidiary of Re Sustainability Limited]

CIN No. U90000TG2010PTC071919

Registered Office:

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piwmpl.com

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B. 17649-Pithampur Industrial Waste Management Private Limited accepts the LEGAL responsibility  
and undertakes that the furnished information is CORRECT & ACCURATE.



TC-11359

**Continuation Sheet - Lab Ref.No: PIWMPL/LAB/1432/2023-24**

17	Ammonical Nitrogen	mg/L	85.12	APHA 23 <sup>rd</sup> 2017; 4500-NH <sub>3</sub> B, C
18	Chemical Oxygen Demand	mg/L	16800.0	APHA 23 <sup>rd</sup> 2017; 5220 B
19	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	3300.0	IS 3025 (Part 44) : 2019
20	Oil & Grease	mg/L	BDL(DL 4.0)	APHA 23 <sup>rd</sup> 2017; 5520 B
21	Fluoride as F-	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 F D
22	Hexavalent Chromium as Cr+6	mg/L	BDL(DL 0.05)	APHA 23 <sup>rd</sup> 2017; 3500 Cr B
23	Nitrite as NO <sub>2</sub>	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 B
24	Phenolic Compound	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 5530 D
25	Residual Chlorine as Cl	mg/L	BDL(DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 Cl B
26	Total Sulfide as S <sub>2</sub>	mg/L	BDL(DL 0.50)	APHA 23 <sup>rd</sup> 2017; 4500 O C
27	Total Cyanide as CN-	mg/L	BDL (DL 0.02)	APHA 23 <sup>rd</sup> 2017; 4500 CN C & E
28	Total Kjeldahl Nitrogen	mg/L	124.88	APHA 23 <sup>rd</sup> 2017; 4500 -Norg B
29	Cadmium as Cd	mg/L	BDL (DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
30	Lead as Pb	mg/L	0.19	APHA 23 <sup>rd</sup> 2017; 3111-B
31	Total Chromium as Cr	mg/L	0.42	APHA 23 <sup>rd</sup> 2017; 3111-B
32	Copper as Cu	mg/L	BDL (DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
33	Iron as Fe	mg/L	3.18	APHA 23 <sup>rd</sup> 2017; 3111-B
34	Manganese as Mn	mg/L	0.61	APHA 23 <sup>rd</sup> 2017; 3111-B
35	Nickel as Ni	mg/L	0.32	APHA 23 <sup>rd</sup> 2017; 3111-B
36	Cobalt as Co	mg/L	BDL (DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
37	Zinc as Zn	mg/L	0.51	APHA 23 <sup>rd</sup> 2017; 3111-B
38	Mercury as Hg	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3112-B
39	Arsenic as As	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3114-B

**Note :** 1.The above results relate only to sample collected by our Lab team.

2. DL- " Detection of limit"

3. BDL- "Below Detection of limit"

\*\*\*\*\*End of the test report\*\*\*\*\*

**Reviewed By:**

Ram Avtar Prajapati

Page No. 2/2

**Authorized Signatory:**

S.Babyrani

Pithampur Industrial Waste Management Private Limited  
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TC-11359



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Issued to : M/s. PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.

Lab Ref.No: PIWMPL/LAB/875/2023-24

PLOT NO: 104 , SECTOR II

Issue Date of Test Report : 30/11/2023

PITHAMPUR DIST.DHAR

ULR No.: TC1135923000000788F

MADHYA PRADESH

Sampling Location : Leachate from Solar Pond

Latitude- 22°63'15".27 N

Longitude - 75°67'96".98 E

Nature of Sample: Waste Water

Packing Type

Unsealed

Date &amp; Time of Sampling : 21/11/2023 at 12:10 Hours

Date of Reciept:

21/11/2023

Start Date of Analysis: 22/11/2023

End Date of Analysis:

30/11/2023

Other Details :

Sample Quantity : 2 Litre (Poly bottle)

Ambient Temperature : 25.1 °C

Sample Collected by : Sagar Atadiya (Chemist)

Humidity : 48 %

Sampling Protocol : PIWMPL/LAB/SOP-02

### Test Results

Table 1- Physical &amp; Chemical Parameters

Sl. No	Parameters	Unit	Results	Test Method
1	Temperature	°C	25.1	APHA 23 <sup>rd</sup> 2017-2550 B
2	pH	-	8.28	APHA 23 <sup>rd</sup> 2017; 4500-H+ B
3	Total Dissolved Solids	mg/L	82060.00	APHA 23 <sup>rd</sup> 2017; 2540-C
4	Total Suspended Solids	mg/L	70.00	APHA 23 <sup>rd</sup> 2017; 2540-D
5	Total Solids	mg/L	82130.00	APHA 23 <sup>rd</sup> 2017; 2540-
6	Chlorides as Cl <sup>-</sup>	mg/L	37605.36	APHA 23 <sup>rd</sup> 2017; 4500-Cl-B,C
7	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/L	6832.00	IS : 3025(Part 24/sec-1)-2022
8	Nitrates as NO <sub>3</sub> <sup>-</sup>	mg/L	1529.00	APHA 23 <sup>rd</sup> 2017; 4500- NO3-B
9	Phosphate as PO4 <sup>-</sup>	mg/L	2.72	APHA 23 <sup>rd</sup> 2017; 4500-P D
10	T. Alkalinity as CaCO <sub>3</sub>	mg/L	3200.00	APHA 23 <sup>rd</sup> 2017; 2320 B
11	Acidity as CaCO <sub>3</sub>	mg/L	BDL (DL 5.0)	APHA 23 <sup>rd</sup> 2017; 2310 B
12	T. Hardness as CaCO <sub>3</sub>	mg/L	8800.00	APHA 23 <sup>rd</sup> 2017; 2340 C
13	Calcium as Ca	mg/L	2565.12	APHA 23 <sup>rd</sup> 2017; 3500-Ca B
14	Magnesium (as Mg)	mg/L	1515.08	APHA 23 <sup>rd</sup> 2017; 3500-Mg B
15	Sodium as Na	mg/L	23164.00	APHA 23 <sup>rd</sup> 2017; 3500-Na B
16	Potassium as K	mg/L	3187.00	APHA 23 <sup>rd</sup> 2017; 3500-K B

Reviewed By:

Ram Avtar Prajapati

Page No. 1/2

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Certificate REG No : 44 104 20392865 (ISO 14001 : 2015)

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**Continuation Sheet - Lab Ref.No: PIWMPL/LAB/875/2023-24**

17	Ammonical Nitrogen	mg/L	93.52	APHA 23 <sup>rd</sup> 2017; 4500-NH <sub>3</sub> B, C
18	Chemical Oxygen Demand	mg/L	13094.40	APHA 23 <sup>rd</sup> 2017; 5220 B
19	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	3100.00	IS 3025 (Part 44) : 2019
20	Oil & Grease	mg/L	BDL(DL 4.0)	APHA 23 <sup>rd</sup> 2017; 5520 B
21	Fluoride as F-	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 F D
22	Hexavalent Chromium as Cr+6	mg/L	BDL(DL 0.05)	APHA 23 <sup>rd</sup> 2017; 3500 Cr B
23	Nitrite as NO	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 B
24	Phenolic Compound	mg/L	BDL(DL 0.10)	APHA 23 <sup>rd</sup> 2017; 5530 D
25	Residual Chlorine as Cl	mg/L	BDL(DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 Cl B
26	Total Sulfide as S <sub>2</sub>	mg/L	BDL(DL 0.50)	APHA 23 <sup>rd</sup> 2017; 4500 O C
27	Dissolved Oxygen	mg/L	BDL (DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 S <sub>2</sub> F
28	Total Cyanide as CN-	mg/L	BDL (DL 0.02)	APHA 23 <sup>rd</sup> 2017; 4500 CN C & E
29	Total Kjeldahl Nitrogen	mg/L	120.96	APHA 23 <sup>rd</sup> 2017; 4500 -Norg B
30	Cadmium as Cd	mg/L	BDL (DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
31	Lead as Pb	mg/L	0.18	APHA 23 <sup>rd</sup> 2017; 3111-B
32	Total Chromium as Cr	mg/L	0.43	APHA 23 <sup>rd</sup> 2017; 3111-B
33	Copper as Cu	mg/L	BDL (DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
34	Iron as Fe	mg/L	5.16	APHA 23 <sup>rd</sup> 2017; 3111-B
35	Manganese as Mn	mg/L	0.96	APHA 23 <sup>rd</sup> 2017; 3111-B
36	Nickel as Ni	mg/L	0.63	APHA 23 <sup>rd</sup> 2017; 3111-B
37	Cobalt as Co	mg/L	BDL (DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
38	Zinc as Zn	mg/L	0.48	APHA 23 <sup>rd</sup> 2017; 3111-B
39	Mercury as Hg	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3112-B
40	Arsenic as As	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3114-B

**Note :** 1. The above results relate only to sample collected by our Lab team.

2. DL- "Detection of limit"

3. BDL- "Below Detection of limit"

\*\*\*\*\*End of the test report\*\*\*\*\*

**Reviewed By:**

Ram Avtar Prajapati

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S.Babyrani

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(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

Certificate REG No : 44 100 20392865 (ISO 9001 : 2015)

Certificate REG No : 44 104 20392865 (ISO 14001 : 2015)

Certificate REG No : 44 126 20392865 (ISO 45001 : 2018)

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A. Environment Statement (Form-V) - Uploaded in XGN on 11/05/2024 14:04:09 from IP No: 139.167.2.242.

B. 17649-Pithampur Industrial Waste Management Private Limited accepts the LEGAL responsibility and undertakes that the furnished information is CORRECT &amp; ACCURATE.





TC-11359



## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., ( LABORATORY )

Issued to : M/s. PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.

Lab Ref.No: PIWMPL/LAB/643/2023-24

PLOT NO: 104 , SECTOR II

Issue Date of Test Report : 30/09/2023

PITHAMPUR DIST.DHAR

ULR No.: TC113592300000535F

MADHYA PRADESH

Sampling Location : Leachate from Solar Pond

Latitude- 22°63'15'.27 N

Longitude - 75°67'96'.98 E

Nature of Sample: Waste Water

Packing Type

Unsealed

Date &amp; Time of Sampling : 22/09/2023 at 13:56 Hours

Date of Receipt:

22/09/2023

Start Date of Analysis: 23/09/2023

End Date of Analysis:

30/09/2023

Other Details :

Sample Quantity : 2 Litre (Poly bottle)

Ambient Temperature : 25.6 °C

Sample Collected by : Sagar Atadiya (Chemist)

Humidity : 46 %

Sampling Protocol : PIWMPL/LAB/SOP-02

### Test Results

Table 1- Physical &amp; Chemical Parameters

Sl. No	Parameters	Unit	Results	Test Method
1	Temperature	°C	25.6	APHA 23 <sup>rd</sup> 2017-2550 B
2	pH	-	7.98	APHA 23 <sup>rd</sup> 2017; 4500-H+ B
3	Total Dissolved Solids	mg/L	78640.00	APHA 23 <sup>rd</sup> 2017; 2540-C
4	Total Suspended Solids	mg/L	72.00	APHA 23 <sup>rd</sup> 2017; 2540-D
5	Total Solids	mg/L	78712.00	APHA 23 <sup>rd</sup> 2017; 2540-
6	Chlorides as Cl <sup>-</sup>	mg/L	35194.76	APHA 23 <sup>rd</sup> 2017; 4500-Cl-B,C
7	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/L	6334.00	IS : 3025(Part 24/sec-1)-2022
8	Nitrates as NO <sub>3</sub> <sup>-</sup>	mg/L	1532.00	APHA 23 <sup>rd</sup> 2017; 4500- NO3-B
9	Phosphate as PO4 <sup>-</sup>	mg/L	0.54	APHA 23rd 2017; 4500-P D
10	T. Alkalinity as CaCO <sub>3</sub>	mg/L	3200.00	APHA 23 <sup>rd</sup> 2017; 2320 B
11	Acidity as CaCO <sub>3</sub>	mg/L	BDL (DL 5.0)	APHA 23 <sup>rd</sup> 2017; 2310 B
12	T. Hardness as CaCO <sub>3</sub>	mg/L	8800.00	APHA 23 <sup>rd</sup> 2017; 2340 C
13	Calcium as Ca	mg/L	2324.64	APHA 23 <sup>rd</sup> 2017; 3500-Ca B
14	Magnesium (as Mg)	mg/L	1573.51	APHA 23 <sup>rd</sup> 2017; 3500-Mg B
15	Sodium as Na	mg/L	22354.00	APHA 23 <sup>rd</sup> 2017; 3500-Na B
16	Potassium as K	mg/L	3034.00	APHA 23 <sup>rd</sup> 2017; 3500-K B

Reviewed By:

Ram Avtar Prajapati

Authorized Signatory:

S.Babyrani

Page No. 1/2

Pithampur Industrial Waste Management Pvt. Ltd.  
[A Division of Re Sustainability Limited]

Site Address:

Plot No 104, Industriai Area, Sector-II,  
Pithampur, Dist. Dhar - 454 775,

A. End User Declaration (Form-V) Uploaded in XGN on 11/05/2024 14:04:09 from IP No: 139.167.2.242.  
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Re Sustainability Limited

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Registered Office:

Level 11B, Aurobindo Galaxy,  
Hyderabad Knowledge City,

HITECH City Road, Hyderabad-500 081, India.  
CIN No: U74100TG1994PLC018833

Certificate REG No : 44 100 20392865 (ISO 9001 : 2015)  
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TC-11359

**Continuation Sheet - Lab Ref.No: PIWMPL/LAB/643/2023-24**

17	Ammonical Nitrogen	mg/L	85.68	APHA 23 <sup>rd</sup> 2017; 4500-NH <sub>3</sub> B, C
18	Chemical Oxygen Demand	mg/L	13888.00	APHA 23 <sup>rd</sup> 2017; 5220 B
19	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	2900.00	IS 3025 (Part 44) : 2019
20	Oil & Grease	mg/L	BDL(DL 4.0)	APHA 23 <sup>rd</sup> 2017; 5520 B
21	Fluoride as F-	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 F D
22	Hexavalent Chromium as Cr+6	mg/L	BDL(DL 0.05)	APHA 23 <sup>rd</sup> 2017; 3500 Cr B
23	Nitrite as NO	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 B
24	Phenolic Compound	mg/L	BDL(DL 0.10)	APHA 23 <sup>rd</sup> 2017; 5530 D
25	Residual Chlorine as Cl	mg/L	BDL(DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 Cl B
26	Total Sulfide as S <sub>2</sub>	mg/L	BDL(DL 0.50)	APHA 23 <sup>rd</sup> 2017; 4500 O C
27	Dissolved Oxygen	mg/L	BDL (DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 S <sub>2</sub> F
28	Total Cyanide as CN-	mg/L	BDL (DL 0.02)	APHA 23 <sup>rd</sup> 2017; 4500 CN C & E
29	Total Kjeldahl Nitrogen	mg/L	113.68	APHA 23 <sup>rd</sup> 2017; 4500 -Norg B
30	Cadmium as Cd	mg/L	0.10	APHA 23 <sup>rd</sup> 2017; 3111-B
31	Lead as Pb	mg/L	0.14	APHA 23 <sup>rd</sup> 2017; 3111-B
32	Total Chromium as Cr	mg/L	0.11	APHA 23 <sup>rd</sup> 2017; 3111-B
33	Copper as Cu	mg/L	0.10	APHA 23 <sup>rd</sup> 2017; 3111-B
34	Iron as Fe	mg/L	2.34	APHA 23 <sup>rd</sup> 2017; 3111-B
35	Manganese as Mn	mg/L	0.98	APHA 23 <sup>rd</sup> 2017; 3111-B
36	Nickel as Ni	mg/L	1.06	APHA 23 <sup>rd</sup> 2017; 3111-B
37	Cobalt as Co	mg/L	0.21	APHA 23 <sup>rd</sup> 2017; 3111-B
38	Zinc as Zn	mg/L	0.84	APHA 23 <sup>rd</sup> 2017; 3111-B
39	Mercury as Hg	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3112-B
40	Arsenic as As	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3114-B

Note : 1.The above results relate only to sample collected by our Lab team.

2. DL- "Detection of limit"

3. BDL- "Below Detection of limit"

\*\*\*\*\*End of the test report\*\*\*\*\*

Reviewed By:

Ram Avtar Prajapati

Page No. 2/2

Authorized Signatory:  
S.BabyraniPithampur Industrial Waste Management Pvt. Ltd.  
[A Division of Re Sustainability Limited]

Site Address:

Plot No 104, Industrial Area, Sector-II,  
Pithampur, Dist. Dhar - 454 775,

Re Sustainability Limited

[formerly known as Ramky Enviro Engineers Limited]

Registered Office:

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Hyderabad Knowledge City,

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CIN No: U14010G1994CE118833

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Certificate REG No : 44 126 20392865 [ISO 45001 : 2018]T: +91 70676 78811/12/13/14/16 & 17  
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TC-11359



Sustainability

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Issued to : M/s. PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.

PLOT NO: 104 , SECTOR II

PITHAMPUR DIST.DHAR

MADHYA PRADESH

Lab Ref.No: PIWMPL/LAB/304/2023-24

Issue Date of Test Report : 30/06/2023

ULR No.: TC1135923000000302F

Sampling Location : Leachate Solar Pond

Latitude- 22°63'15".27 N

Longitude - 75°67'96".98 E

Nature of Sample: Waste Water

Packing Type

Unsealed

Date &amp; Time of Sampling : 22/06/2023 at 11:00 Hours

Date of Receipt:

22/06/2023

Start Date of Analysis: 23/06/2023

End Date of Analysis:

29/06/2023

Other Details :

Sample Quantity : 2 Litre (Poly bottle)

Ambient Temperature : 25.5°C

Sample Collected by : Sagar (Chemist)

Humidity : 46 %

Sampling Protocol : PIWMPL/LAB/SOP-02

### Test Results

Table 1- Physical &amp; Chemical Parameters

Sl. No	Parameters	Unit	Results	Test Method
1	Temperature	°C	25.5	APHA 23 <sup>rd</sup> 2017-2550 B
2	pH	-	8.56	APHA 23 <sup>rd</sup> 2017; 4500-H+ B
3	Total Dissolved Solids	mg/L	85130.0	APHA 23 <sup>rd</sup> 2017; 2540-C
4	Total Suspended Solids	mg/L	56.0	APHA 23 <sup>rd</sup> 2017; 2540-D
5	Total Solids	mg/L	85186.0	APHA 23 <sup>rd</sup> 2017; 2540-
6	Chlorides as Cl <sup>-</sup>	mg/L	33510.89	APHA 23 <sup>rd</sup> 2017; 4500-Cl-B,C
7	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/L	10260.00	IS : 3025(Part 24/sec-1)-2022
8	Nitrates as NO <sub>3</sub> <sup>-</sup>	mg/L	3150.00	APHA 23 <sup>rd</sup> 2017; 4500- NO3-B
9	Phosphate as PO4 <sup>-</sup>	mg/L	0.64	APHA 23 <sup>rd</sup> 2017; 4500-P D
10	T. Alkalinity as CaCO <sub>3</sub>	mg/L	1463.0	APHA 23 <sup>rd</sup> 2017; 2320 B
11	Acidity as CaCO <sub>3</sub>	mg/L	BDL (DL 5.0)	APHA 23 <sup>rd</sup> 2017; 2310 B
12	T. Hardness as CaCO <sub>3</sub>	mg/L	1900.0	APHA 23 <sup>rd</sup> 2017; 2340 C
13	Calcium as Ca	mg/L	601.20	APHA 23 <sup>rd</sup> 2017; 3500-Ca B
14	Magnesium (as Mg)	mg/L	315.60	APHA 23 <sup>rd</sup> 2017; 3500-Mg B

Page No. 1/2

Authorized Signatory:  
S.Babyrani

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Plot No 104, Industrial Area, Sector-II,

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Madhya Pradesh, India.

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CIN No. U74140TG1994PLC018833

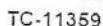
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15	Sodium as Na	mg/L	29430	APHA 23 <sup>rd</sup> 2017; 3500-Na B
16	Potassium as K	mg/L	3012.0	APHA 23 <sup>rd</sup> 2017; 3500-K B
17	Ammonical Nitrogen	mg/L	89.04	APHA 23 <sup>rd</sup> 2017; 4500-NH <sub>3</sub> B, C
18	Chemical Oxygen Demand	mg/L	13944.0	APHA 23 <sup>rd</sup> 2017; 5220 B
19	Bio Chemical Oxygen Demand 3 Days at 27 °C	mg/L	3100.0	IS 3025 (Part 44) : 2019
20	Oil & Grease	mg/L	BDL(DL 4.0)	APHA 23 <sup>rd</sup> 2017; 5520 B
21	Fluoride as F-	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 F D
22	Hexavaient Chromium as Cr+6	mg/L	BDL(DL 0.05)	APHA 23 <sup>rd</sup> 2017; 3500 Cr B
23	Nitrite as NO	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 4500 B
24	Phenolic Compound	mg/L	BDL(DL 0.10)	APHA 23 <sup>rd</sup> 2017; 5530 D
25	Residual Chlorine as Cl	mg/L	BDL(DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 Cl B
26	Total Sulfide as S2	mg/L	BDL(DL 0.50)	APHA 23 <sup>rd</sup> 2017; 4500 O C
27	Dissolved Oxygen	mg/L	BDL (DL 1.0)	APHA 23 <sup>rd</sup> 2017; 4500 S2 F
28	Total Cyanide as CN-	mg/L	BDL (DL 0.02)	APHA 23 <sup>rd</sup> 2017; 4500 CN C & E
29	Total Kjeldahl Nitrogen	mg/L	126.00	APHA 23 <sup>rd</sup> 2017; 4500 -Norg B
30	Cadmium as Cd	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
31	Lead as Pb	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
32	Total Chromium as Cr	mg/L	0.23	APHA 23 <sup>rd</sup> 2017; 3111-B
33	Copper as Cu	mg/L	BDL(DL 0.1)	APHA 23 <sup>rd</sup> 2017; 3111-B
34	Iron as Fe	mg/L	0.93	APHA 23 <sup>rd</sup> 2017; 3111-B
35	Manganese as Mn	mg/L	0.72	APHA 23 <sup>rd</sup> 2017; 3111-B
36	Nickel as Ni	mg/L	0.60	APHA 23 <sup>rd</sup> 2017; 3111-B
37	Cobalt as Co	mg/L	0.18	APHA 23 <sup>rd</sup> 2017; 3111-B
38	Zinc as Zn	mg/L	0.42	APHA 23 <sup>rd</sup> 2017; 3111-B
39	Mercury as Hg	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3112-B
40	Arsenic as As	mg/L	BDL(DL 0.01)	APHA 23 <sup>rd</sup> 2017; 3114-B

3. BDL- "Below Detection of limit"

\*\*\*\*\*End of the test report\*\*\*\*\*

Page No. 2/2

Authorized Signatory:  
S. Babyrani

