



Sustainability

September 29th, 2023

To
The Member Secretary
T.S. Pollution Control Board
Paryavaran Bhavan
A-3, Industrial Estate
Sanath Nagar
Hyderabad – 500 018

Dear Sir,

Sub: Environmental Statement (Form-V) for the year 2022–2023-reg.

Here with we are submitting Form-V as Environment statement for the year of 2022-23.

Kindly acknowledge receipt.

Thanking you,

Yours faithfully,

For Hyderabad Waste Management Project
(A Division of Ramky Enviro Engineers Ltd)


Authorized Signatory

Enclosures:

- Annexure –I: Incineration Stack monitoring report
- Annexure –II: DG Set stack monitoring report (725 KVA)
- Annexure –III: DG Set stack monitoring report (380 KVA)
- Annexure –IV: Industry wise waste received details report





CC: Regional Office, RR-II;

T.S. Pollution Control Board, 6-3-1219; Block-C;
Ward No. 91; Near Country Club; Kundanbagh;
Umanagar; Begumpet; Hyderabad - 500 037.

Hyderabad Waste Management Project
(A Division of Re Sustainability Limited)
Site Address: -
TSDI 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

September 29th, 2023

To

Regional Office, RR-II;

T.S. Pollution Control Board, 6-3-1219; Block-C;
Ward No. 91; Near Country Club; Kundanbagh;
Umanagar; Begumpet; Hyderabad - 500 037

Dear Sir,

Sub: Environmental Statement (Form-V) for the year 2022-2023-reg.

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Enclosures:

Annexure –I: Incineration Stack monitoring report
Annexure –II: DG Set stack monitoring report (725 KVA)
Annexure –III: DG Set stack monitoring report (380 KVA)
Annexure –IV: Industry wise waste received details report

CC: T.S. Pollution Control Board

Paryavaran Bhavan
A-3, Industrial Estate
Sanath Nagar
Hyderabad – 500 018



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,
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Environmental Statement (FORM - V) for the year 2022-23



Environmental Statement of HWMP for the financial year ending 31st March 2023

PART A

Sustainability

(i)	Name & Address of the owner/ Occupier of the Industry Operation or process	Hyderabad Waste Management Project. Survey No. 684/1, Dundigal Village Dundigal Gandimaisamma Mandal – 500 043 Medchal-Malkajgiri Dist, T.S.
(ii)	Industry Category Primary (STC Code) Secondary (SIC Code)	Not an Industry but a Common Hazardous Waste Management Facility (CHTSDF)
(iii)	Production Capacity (Units)	Disposal Capacity of hazardous Waste : 1,50,000 MT / Annum (Secured Landfill waste) Capacity of Hazardous waste incineration: 1.5 MT/hr Capacity of Hazardous waste AFRF: 70MT/Day
(iv)	Year of Establishment	Landfill in Operation from 1 st Sep 2001 after getting Consent to Operate and Incinerator operation from Aug. 2006 and AFRF operation from 2015
(v)	Date of the last Environmental statement submitted	21.09.2022 (for the financial year 2021-22)

Part - B

(I) Water and Raw material Consumption

01	Water Consumption :	30.8 KLD	
	Process as lab and container washing	1.5 KLD	
	Cooling, spraying or boiler feed	6.7 KLD	
	Domestic + Gardening + Housekeeping & Landfill	22.6 KLD	
Sr. No.	Name of Products (*)	Process Water Consumption per unit of product output	
		During the previous financial year	During the current financial year
1.	There is no manufacturing activity as this is a TSDF Facility		
(*)	Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.		

for Hyderabad Waste Management Project

HYDERABAD WASTE MANAGEMENT PROJECT (a CHWTSDF at Dundigal Hyderabad)

Authorised Signatory Page 1



(ii) RAW MATERIAL CONSUMPTION

Sustainability

Name of Raw materials	Name of Products	Consumption of raw material in MT & Ltr. per unit of output	
		During the Last Financial year (2021-2022)	During the Current Financial year (2022-2023)
Cement	Used for stabilisation of waste	2107	1644
Fly Ash (In MT)	Used for stabilisation	60,344	54039
Lime (in MT)	Used for stabilisation	3544	2437
Lime (In MT)	It is used as absorbing reagent in incinerator	139.2	184.5
Activated Carbon (In MT)	Adsorbing reagent in Incinerator	13.89	24.23
Caustic Lye (KL)	Scrubbing reagent in Incinerator	103.65	101.7
Sulphuric Acid (MT)	Used for stabilisation	13.2	8.55
Ferrous Sulphate (MT)	Used for stabilisation	4.84	0.38
Sodium Hydroxide (MT)	Used for stabilisation	3.86	0.077
Clay (MT)	Used for stabilisation	2.59	3268
Nitric Acid (MT)	Used for stabilisation	0.114	0.078
Bleaching Powder (MT)	Used for stabilisation	50.7	1.51
Sand (MT)	Used for stabilisation	2343	1827
Sod. Sulphide (MT)	Used for stabilisation	0.226	0.077

For Hyderabad Waste Management Project

Authorised Signatory



PART C

Sustainability

Pollution discharged to environment / unit of output

(Parameter as specified in the consent issued)

Sr, No.	Pollutants	Quantity of pollutants discharged	Concentrations of pollutants in discharges (mass / volume)	Percentage of variation from prescribed Standards with reasons
A	Water	8756- KL of Leachate collected from Leachate well of Secured landfill facility 2623 - KL of Waste water generated from Scrubber of Incinerator plant.	The Leachate is neutral containing trace organics and impurities. Scrubber water is neutral to slight alkaline containing salts as NaCl, Na ₂ SO ₄ , Na ₂ SO ₃ , NaNO ₃ ,	Leachate from landfill & Waste scrubber water generated from Incinerator Plant is treated in spray drier of common incinerator.
B	Air	From Inc. Stack emissions 25000m ³ /hr	Inc. stack emissions report enclosed (Annex-I)	All parameters specified in CC & A are within prescribed limit
		From DG 725KVA. Stack emissions	DG Set stack emissions report enclosed (Annex-II)	All parameters specified in CC & A are within prescribed limit
		From DG 63KVA. Stack emissions	DG Set stack emissions report enclosed (Annex-III)	All parameters specified in CC & A are within prescribed limit

PART D

Hazardous Wastes

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

Hazardous Wastes	Total Quantity (MT)	
	During the Last Financial year (2021-2022)	During the Current Financial year (2022-23)
(a) From process		
Incinerator Ash (Schedule 1 Category 36.2)	209.5	273.8
SD Ash from Incinerator	491.8	232.8
SD Ash from Spry dryer plant	1634.8	2239.5
(b) From Pollution Control facilities		
Cyclone dust	89.28	58.21
Bag filter dust	155.28	208.3

Signature



Part – E

SOLID WASTE

Hazardous Wastes		Total Quantity (MT)	
		During the Last financial year 2021-22	During the current financial year 2022-23
A	From Process	As above	As above
B	From pollution control facilities (generation)	As above	As above
C	Quantity re-cycled or re-utilized within the unit	Nil	Nil
	Total quantity disposed Off in secured landfill	112025 MT	100963 MT
	Quantity re-utilized for AFRF	4861 MT	6513 MT
	Total quantity incinerated	2220.8 MT	3364.5 MT
This is being a TSDF Facility (Centralized Secured Landfill Facility & Common Incinerator facility), different types of wastes permitted for landfill, Incineration & AFRF by TSPCB, are collected from member industries and disposed at the site. Please see the attached Table for quantity disposed at the site. Also, names of the members are mentioned in the Table ANNEXURE-IV			

PART F

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

HWMP is having Secured Landfill Facility, Common Incineration System & AFR Facility. In developed portion of secured landfill, HWMP is receiving accepted types of wastes for secured land filling. If waste is not meeting criteria for direct land filling, necessary treatment like neutralization / stabilization etc. are given. Developed portion of secured landfill is covered with soil and layers of liners as per CPCB Guideline. Leachate generated is treated at the spray drier of common incinerator & through separate Spray drier plant.

The fugitive emission control system was installed in the stabilization area since December 2018 and it is operational and new stabilization shed was constructed.

HWMP is having a Common Incineration System consisting of rotary kiln, post combustion chamber and air pollution control system. In post combustion chamber, temperature above 1100 ° C is maintained. Various types of wastes like liquid organic waste, aqueous waste,



solid waste, tarry waste etc. are incinerated and sending to cement industries as AFR material.

Sustainability

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

The industry itself is a pollution control measure. About **2346873 - MT** of waste has been disposed from the date of its commissioning Sep 2001 to March 31st, 2023.

The Company has implemented Integrated Management System for ISO 9001, 14001 and 45001 in accordance with PAS-99:2015 which helped in improving overall environmental condition and Safety of the unit.

During the year, we have provided top coverage for the developed and utilized portion of the landfill. The liner system provided for the top coverage is as per the Criteria for Hazardous Waste Landfills published by CPCB in 2000. At the top of the cover, vegetative cover is also provided

Cell-1, Cell-2 & Cell-3 of secured landfill facility has been capped as per CPCB Criteria, Cell-4G is under operation.

Hazardous wastes (Incineration wastes) generated by member industry have been collected & thermally destroyed in our Incinerator Plant. The system is designed to meet CPCB norms for emission standard for Hazardous wastes Incinerator.

We have Incineration system and provided various components as per the CPCB guideline for a Common Incinerator Facility. The system provided consists of Rotary kiln, Secondary Combustion Chamber, Spray dryer, cyclone separator, Lime/Carbon Injection System, Bag Filter, Wet Scrubber, I D Fan, and Chimney with Continuous Emission Monitoring System. The HWMP is having AFR facility.

A separate Spray dryer of 100 KLD capacity was commissioned and disposed of 7008 KL leachate through spray dryer for the year of 2022-2023.

The TSDF has constructed 1460 KL capacity of rain water retention pond to collect first flush of rain water to ensure that no effluent /contaminated rain water are discharged outside the premises of the site. Further we are monitoring the quality of the water during rainy day.

For Hyderabad Waste Management Project

Authorised Signatory



PART - H

Addition measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- 1 Construction of Mechanised Stabilization @ approximately Rs 4.0 Cores.
- 2 Construction of ATFD Plant for leachate disposal is under progress.

Any other particulars for improving the quality of the environment.

- HWMP has implemented Integrated Management System for ISO 9001, 14001 and OHSAS 45001 in accordance with PAS-99:2015 standard. This is the TSDF in India, which has implemented integrated management system which helped in improvement of the environment and Safety.
- Lot of national & international delegations' NGOs, community members, journalists, students and industrialists are visiting HWMP and appreciating the operations. HWMP is exhibiting various details in front of the landfill. All the visitors are welcome.
- HWMP is maintaining a proper online Manifest system as per the Hazardous Waste (Management and Handling) Rules 2008. This helps in keeping proper records.
- Laboratory is accredited by NABL, approved by Gov. of India MOEF & certified by ISO-9001.
- 40% of the total area is covered under Green belt.
- HWMP has installed weather monitoring system.

For, Hyderabad Waste Management Project.

Authorized Signatory

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657



VLL/11/F: 22-23/HWMP/167
6th June , 2022

To
HYDERABAD WASTE MANAGEMENT PROJECT
Ramky Enviro Engineers Limited
Survey no. 684/1, Dundigal Village,
Qutubullapur Mandal
Hyderabad - 500 043

Kind Attn :- Ms. Swathi Yannam (Environment Dept.)
Mobile :- +91 9701476007

Sub :- Submission of report & invoice for Analysis of Emission Monitoring - Reg.

Ref :- P.O no. 0400078045 dated 21.10.2021

Madam,

This has reference to the above mentioned subject. Please find enclosed herewith test report bearing no. VLL/VLS/22/01895/001 to 004 dated 19.05.2022.

Further, please find enclosed herewith our Tax Invoice no. 277747 dated 19.05.2022 amounting for Rs. 82,600/- (Rupees Eighty Two Thousand Six Hundred only) towards 100% invoice for analysis of emission monitoring.

We request you to kindly release the payment at the earliest.

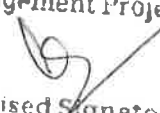
Kindly acknowledge the receipt of the same.

Thanking you and assuring you our best quality services.

Yours faithfully
For Vimta Labs Ltd


M. Janardhan
Head & Vice President (Env)
Mobile :- +91 9000711309

For Hyderabad Waste Management Project


authorised Signatory

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657

**ISSUED TO:**

M/s. HYDERABAD WASTE MANAGEMENT & PROJECT
RAMKY ENVIRO ENGINEERS LTD
S.NO:684/1, DUNDIGAL VILLAGE, GANDI MAISAMMA MANDAL
MEDCHAL DISTRICT,
TELANGANA,
INDIA.

Report Number : VLL/VLS/22/01895/001

Issue Date : 2022-05-19

Your Ref : 0400078045

and Date : 2021-10-21

Sample Particulars: SOURCE EMISSION MONITORING FOR INCINERATOR STACK

Page 1 of 1

Sample Registration Date: 2022-05-07

Sampling Date : 2022-05-06

Analysis starting date : 2022-05-07

Analysis Completion date: 2022-05-19

Quantity received: 1No. Thimble; and 2 Nos. 100ml Plastic containers; Samples collected at Stack Attached to Spray dryer;
Tests required: Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbons, Particulate Matter, HCl, HF, Sulphur Dioxide, and Oxides of Nitrogen;

SAMPLE COLLECTED BY VIMTA LABS LTD

LAB REF.: EC

TEST RESULTS

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	RESULTS
1	Diameter of stack	m	-	0.85
2	Flue gas temperature	°C	-	60
3	Velocity	m/sec	-	15.16
4	Volumetric flow rate	Nm ³ /Sec	-	6.63
5	Oxygen	%	Flue Gas Analyser	16.1
6	Carbon Dioxide	%	Flue Gas Analyser	5.0
7	Carbon Monoxide	mg/Nm ³	Flue Gas Analyser	92.5
8	Hydrocarbons	PPM	Flue Gas Analyser	15.7
9	Particulate Matter	mg/Nm ³	USEPA method -5	23.1
10	HCl	mg/Nm ³	USEPA method -26	24.1
11	HF	mg/Nm ³	USEPA method -13	1.3
12	Sulphur Dioxide	mg/Nm ³	Flue Gas Analyser	21.2
13	Oxides of Nitrogen	mg/Nm ³	Flue Gas Analyser	108.65

Instrument Used for SO₂, NO_x, O₂, CO₂, CO and HC - Flue Gas Analyzer

All the Results are corrected to 11% O₂

Minimum Detectable Limit for SO₂ - 3.4 mg/Nm³

Minimum Detectable Limit for HC - 5 PPM

for Hyderabad Waste Management Project

Authorised Signatory

Dr. Subba Reddy Mallampati
Group Leader -Environment

Life Sciences Campus, # 5, MN Science & Technology Park, Genome Valley, Shamirpet, Hyderabad - 500 101, Telangana, India
T : +91 40 6740 4040 E : mdoffice@vimta.com URL : www.vimta.com

CIN : L24110TG1990PLC011977

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657

**ISSUED TO:**

M/s. HYDERABAD WASTE MANAGEMENT & PROJECT
RAMKY ENVIRO ENGINEERS LTD
S.NO:684/1, DUNDIGAL VILLAGE, GANDI MAISAMMA MANDAL
MEDCHAL DISTRICT,
TELANGANA,
INDIA.

Report Number : VLL/VLS/22/01895/002

Issue Date : 2022-05-19

Your Ref : 0400078045

And Date : 2021-10-21

Sample Particulars: SOURCE MONITORING FOR INCINERATOR STACK

Page 1 of 1

Sample Registration Date: 2022-05-07 Sampling Date: 2022-05-06
Analysis starting date: 2022-05-07 Analysis Completion date: 2022-05-19
Quantity received: Thimble, $\text{HNO}_3/\text{H}_2\text{O}_2$ and acidified KMnO_4 solution – Metals,
Samples collected at Stack Attached to Incinerator Stack ;
Tests required: Heavy Metals;
SAMPLE COLLECTED BY VIMTA LABS LTD

LAB REF.: EC

TEST RESULTS

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	RESULTS
1	Diameter of stack	m	-	0.85
2	Flue gas temperature	$^{\circ}\text{C}$	-	60
3	Velocity	m/sec	-	15.16
4	Volumetric flow rate	Nm^3/Sec	-	6.63
6	Chromium as Cr	mg/Nm^3	USEPA method -29	0.0010
7	Manganese as Mn	mg/Nm^3	USEPA method -29	0.0012
8	Cadmium as Cd	mg/Nm^3	USEPA method -29	0.009
9	Thallium as Th	mg/Nm^3	USEPA method -29	<0.001
10	Mercury as Hg	mg/Nm^3	USEPA method -29	<0.001
11	Cadmium + Thallium (Cd + Th)	mg/Nm^3	USEPA method -29	0.0010
12	Arsenic as As	mg/Nm^3	USEPA method -29	0.008
13	Antimony as Sb	mg/Nm^3	USEPA method -29	<0.001
14	Lead as Pb	mg/Nm^3	USEPA method -29	0.007
15	Cobalt as co	mg/Nm^3	USEPA method -29	0.0014
16	Copper as Cu	mg/Nm^3	USEPA method -29	0.0018
17	Nickel as Ni	mg/Nm^3	USEPA method -29	0.0012
18	Vanadium as V	mg/Nm^3	USEPA method -29	0.0015

Instruments used: GC-FID, ICP-MS, Cold Vapor AAS and GC-MS
Minimum Detectable Limit for Metals – 0.0001 mg/Nm^3

for Hyderabad Waste Management Project

Authorised Signatory

Dr.Subba Reddy Mallampati
Group Leader - Environment

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**ISSUED TO:**

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RAMKY ENVIRO ENGINEERS LTD
S.NO:684/1, DUNDIGAL VILLAGE, GANDI MAISAMMA MANDAL
MEDCHAL DISTRICT,
TELANGANA,
INDIA.

Report Number : VLL/VLS/22/01895/003

Issue Date : 2022-05-19

Your Ref : 0400078045

And Date : 2021-10-21

Sample Particulars: SOURCE MONITORING FOR INCINERATOR STACK**Page 1 of 1**

Sample Registration Date: 2022-05-07

Sampling Date: 2022-05-06

Analysis starting date: 2022-05-07

Analysis Completion date: 2022-05-19

Quantity received: XAD Module, Filter Paper and Methanol/MeCl₂ Line washing – TOC, 1No Dragder tube, 1No. Thimble; and Line wash-PAH; Tenax/ Anasorb cartridges - VOC;

Samples collected at Stack Attached to Incinerator Stack;

Tests required: Total Organic Carbon, Polynuclear Aromatic Hydrocarbon and Volatile Organic Compounds;

SAMPLE COLLECTED BY VIMTA LABS LTD

LAB REF.: EC

TEST RESULTS

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	RESULTS
1	Diameter of stack	m	-	0.85
2	Flue gas temperature	°C	-	60
3	Velocity	m/sec	-	15.16
4	Volumetric flow rate	Nm ³ /Sec	-	6.63
5	Total Organic Carbon	mg/Nm ³	USEPA method -40 & MM5(10)	3.1
6	Poly nuclear Aromatic Hydrocarbon	µg/Nm ³	CARB method -429	<0.01
7	Volatile Organic Compounds	µg/Nm ³	USEPA method -30 & 31	<0.01

Minimum Detectable Limit for VOC & PAH - 0.01 µg/m³

Minimum Detectable Limit for TOC – 0.1 mg/Nm³

For Hyderabad Waste Management Project

Authorised Signatory

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Group Leader - Environment

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RAMKY ENVIRO ENGINEERS LTD
S.NO:684/1, DUNDIGAI VILL AGE, GANDI MAISAMMA MANDAL
MEDCHAL DISTRICT,
TELANGANA,
INDIA.

Report Number : VLL/VLS/22/01895/004

Issue Date : 2022-05-19

Your Ref : 0400078045

and Date : 2021-10-21

Sample Particulars: SOURCE MONITORING FOR INCINERATOR STACK

Page 1 of 1

Sample Registration Date: 2022-05-07 Sampling Date: 2022-05-06
Analysis starting date: 2022-05-07 Analysis Completion date: 2022-05-19
Quantity received: 1No Dragger tube, 1No. Thimble; and Line wash; Samples collected at Stack Attached to spray dryer;
Tests required: PCDD and PCDF;

SAMPLE COLLECTED BY VIMTA LABS LTD.

LAB REF.: EC.

TEST RESULTS

SI. No.	PARAMETERS	UOM	RESULTS
DIOXIN AND FURANS			
1	Diameter of stack	m	0.85
2	Flue gas temperature	°C	60
3	Velocity	m/sec	15.16
4	Volumetric flow rate	Nm ³ /Sec	6.63
5	Oxygen	%	16.1
1	2,3,7,8-TCDF	ng/Nm ³ , TEQ	0.00062
2	1,2,3,7,8-PeCDF	ng/Nm ³ , TEQ	0.00043
3	2,3,4,7,8-PeCDF	ng/Nm ³ , TEQ	0.00090
4	1,2,3,4,7,8-HxCDF	ng/Nm ³ , TEQ	0.00085
5	1,2,3,6,7,8-HxCDF	ng/Nm ³ , TEQ	0.00109
6	2,3,4,6,7,8-HxCDF	ng/Nm ³ , TEQ	0.00100
7	1,2,3,7,8,9-HxCDF	ng/Nm ³ , TEQ	0.00123
8	1,2,3,4,6,7,8-HpCDF	ng/Nm ³ , TEQ	0.00128
9	1,2,3,4,7,8,9-HpCDF	ng/Nm ³ , TEQ	0.00114
10	OCDF	ng/Nm ³ , TEQ	0.00076
11	2,3,7,8-TCDD	ng/Nm ³ , TEQ	0.00104
12	1,2,3,7,8-PeCDD	ng/Nm ³ , TEQ	0.00114
13	1,2,3,4,7,8-HxCDD	ng/Nm ³ , TEQ	0.00138
14	1,2,3,6,7,8-HxCDD	ng/Nm ³ , TEQ	0.00100
15	1,2,3,7,8,9-HxCDD	ng/Nm ³ , TEQ	0.00175
16	1,2,3,4,6,7,8-HpCDD	ng/Nm ³ , TEQ	0.00166
17	OCDD	ng/Nm ³ , TEQ	0.00114
Total Furans & Dioxins		ng/Nm ³ , TEQ Corrected to 11% O ₂ Concentration	0.01840
Limits as per GSR 481(E))			0.1 ng/Nm³

Method of Testing: As per USEPA 23 A & 8290

Remarks: All the values are corrected to 11% O₂ as per CPCB Guidelines HAZWAMS/30/2005-06

Instruments used: Auto spec (HRGC/HRMS). Detection Limit: 0.01pg

For Hyderabad Waste Management Project

Dr.Subba Reddy Mallampati
Group Leader - Environment

Authorised Signatory

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CIN : L24110TG1990PLC011977

Report No: HWMP/ COM / ENV /25-0098

Pages 1 of 2

Name and address of the client

M/s. Hyderabad Waste Management Project,
(A Division of Re Sustainability Limited)
Dundigal Village, Dundigal Gandimaisamma Mandal,
Medchal Malkajgiri District, Telangana-500043.

Date of Report : 24.03.2023
Analysis Starting Date : 21.03.2023
Analysis Completion Date : 23.03.2023
Sample Collected by : HWMP-Laboratory
Date of Sampling on : 20.03.2023
Sample Registration no : SM-230098/1-3
Sample Description : Stack Emission Monitoring (D.G. Sets)
Subcontract Tests : Nil

Locations:

- 1) SM-230098/1: D.G. Stack 380 kVA Generator
- 2) SM-230098/2: D.G. Stack 725 kVA Generator

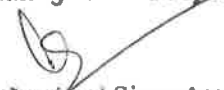

Verified by
K. Ravi Kumar
Sr. Dy. Manager


Authorised Signatory
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 Ranky Enviro Engineers Limited)
Registered Office:
Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081 India.
CIN No. U74140TG1994PLC018833

For Hyderabad Waste Management Project


Authorised Signatory

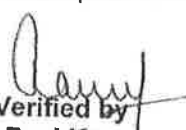
T: +91 93936 44222
E: mbd_hwmp@resustainability.com
laboratoryhwmp@resustainability.com
resustainability.com

TEST REPORT FOR STACK EMISSION MONITORING

Samples are analyzed "as is where basis is"

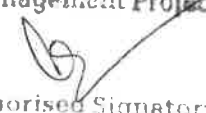
Sl. No 's.	Parameters	Units	Methods	Results		GSR 520 (E) Standards
				SM-230098/1	SM-230098/2	
	Stack Connected to	--	--	D.G. Set 380 kVA	D.G. Set 725 kVA	--
	Fuel	--	--	Diesel	Diesel	--
	Stack Height	M	--	6.0	6.0	--
	Stack Dia Meter	M	--	0.072	0.19	--
	Cross Sectional Area	m ²	--	0.1130	0.028	--
	Ambient Temperature (Ta)	K	--	310	312	--
	Stack Gas Temperature (Ts)	K	--	356	369	--
	Velocity	m/sec	IS-11255 (Part-1):1985	7.43	7.89	--
	Flow Rate	Nm ³ /hr	IS-11255 (Part-3):1985	3022	795	--
TEST RESULTS FOR FLUE GAS EMISSION CHARACTERISTICS						
1.	Suspended Particulate Matter as SPM	mg/Nm ³	IS:8178 Part 4	39	48	As per CFO <115
2.	Sulphur Dioxide as SO ₂	mg/Nm ³	IS:8178 Part 4	26	38	--
3.	Nitrogen Dioxide as NO ₂	g/kw-hr	IS:8178 Part 4	5.4	4.6	<9.2

- Opinion and interpretation: Nil
- Reports pertained only to the collected samples while monitoring
- Test reports shall not be reproduced except in full, without written approval of the Laboratory


 Verified by
 K. Ravi Kumar
 Sr. Dy. Manager


 Authorised Signatory
 Y. Swathi
 Quality Manager

For Hyderabad Waste Management Project


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Industrial Wise Quantities for the FY 2022-23		
S.No	Generator	QTY (MT)
1	Satyadivis Pharmaceuticals Pvt Ltd	245.155
2	Medicare Environmental Mgmt.Pvt.Ltd	272.92
3	Ramky Enviro Services Pvt Ltd.	2.29
4	Re Sustainability Solutions Private	5.128
5	Maridi Bio Industries Pvt.Ltd.	62.53
6	RAMKY RECLAMATION AND RECYCLING	1.13
7	Re Sustainability and Recycling Pvt	0.05
8	Ramky Reclamation and Recycling Ltd	0.23
9	Smilax Laboratories Ltd	22.15
10	AET Lab Ltd.	11.16
11	AGI GREENPAC LIMITED	100.82
12	HSIL Ltd.(Packaging Product Divisio	180.78
13	Aizant Drug Research Solutions Pvt.	20.65
14	Aktinos Pharma Pvt.Ltd.	17.8
15	Alf Engineering Pvt.Ltd.	7.46
16	Alkali Metals Ltd.	0.273
17	Almelo Private Limited	17.32
18	Arch Pharma Labs Ltd.	53.385
19	Archimedis Laboratories Pvt.Ltd.	318.94
20	Artemis Biotech Ltd.	27.2
21	Asian Paints Ltd.	40.04
22	Aster Inds.	1.17
23	Mylan Laboratories Limited Unit-II	1035.35
24	Epiroc Mining India Ltd.	35.31
25	BHEL Ge Gas Turbine Sevice Ltd.	57.815
26	Bio-Chemical & Synthetic Products L	2.68
27	Covalent Lab Pvt.Ltd.	6749.35
28	Daewoong Pharmaceutical India Pvt.L	0.3
29	Deepak Nitrate Ltd. Unit II	2304.53
30	Divis Lab Ltd.	5068.38
31	Dr.Reddy's Laboratories Ltd. CTO-I	35.57826
32	Dulchand Inds.	3.255
33	Enal Drugs Pvt.Ltd. Unit-1	0.232
34	Enpiar Pharma Pvt.Ltd.	43.94
35	Erythro Pharma Pvt.Ltd.	39.93
36	Vivin Drugs & Pharmaceuticals Ltd.	30.4
37	J.K.Fenner India Ltd.	8.075
38	Fleming Laboratories Ltd.	33.81
39	Fugen Labs Pvt.Ltd.	3.66
40	G.J.Multiclave India Pvt.Ltd.	652.12
41	Glochem Inds. Ltd.	19.19
42	Harika Drugs Pvt.Ltd.	424.64
43	Hetero Drugs Ltd.Unit-IV	1261.82
44	Hetero Labs Ltd.Unit-I	444.71
45	Hindustan Coca-Cola Beverages Pvt.	170.6
46	Nichino India Pvt Limited	364.46
47	Hyderabad Electro Plating Works	4.585
48	Hy-Gro Chemicals Pharamatek Pvt.Ltd	140.88
49	IKP Knowledge Park Ltd.	8.518
50	Island-Veer Chemicals Pvt.Ltd.	128.04
51	ITW India Ltd.	13.91
52	Kekule PharmaLtd.	348.775
53	Kopalle Pharma Chemicals Pvt.Ltd.	28.07
54	Kreative Organics Pvt. Ltd	14.15038
55	Lee Pharma Pvt.Ltd.	325.1
56	Lofty Lab Pvt.Ltd.	31.47
57	Maithri Laboratoires Pvt.Ltd.	41.36

58	Adama India Pvt.Ltd.	5.094
59	MAKSON HEALTHCARE PVT LTD	6.23
60	MSN Labs Ltd.	296.07
61	Mylan Laboratories Ltd. (R & D)	50.847
62	NACL Industries Limited	4.724
63	Nakoda Chemicals Ltd.	64.325
64	Natco Pharma Ltd (Chemical Division	534.86
65	National Thermal Power Corpn. Ltd.	313.65
66	Navshakti Textiles Processor Pvt.Lt	2.555
67	Nektar Therapeutics India Pvt.Ltd.	1.9414
68	Neuland Lab Ltd. Unit - 1	369.11
69	Norton Chemical Inds.	23.95
70	Nosch Labs Pvt.Ltd. Unit-2	115.36
71	Noven Life Sciences Pvt.Ltd.	3.796
72	NRB Bearings Ltd.	4.85
73	Optimus Drugs Pvt.Ltd.	590.71
74	Ordinance Factory	0.925
75	Parle Agro Pvt.Ltd.	77.34
76	Pawan Oil Inds.	1.51
77	Pennar Inds. Ltd	90.52
78	Perkin Lab	14.9
79	Pinakini Life Sciences	4.57
80	Valens Molecules Private Limited.Un	2.56
81	Prabhava Organics Pvt.Ltd.	85.64
82	Premier Alloys & Chemicals Pvt.Ltd.	677.185
83	Priyanka Refineries Pvt.Ltd.	11.39
84	Rampex Labs Pvt.Ltd.	168.16
85	Rane Brake Linings	1013.432
86	Rane Engine Valve Ltd.	22.9615
87	Rasula Pharmaceuticals & Fine	26.63
88	Rockwool India Pvt.Ltd.	70.745
89	S.R. Lab Pvt.Ltd.	3.25
90	Salicylates & Chemicals Pvt. Ltd,	55.5
91	Saraca Lab Ltd.	2086.06
92	Shri Ram Chlorochem Pvt.Ltd.	573.17
93	Usha International Ltd.	3.285
94	METROCHEM API PVT LTD.UNIT-B,	68.42
95	SMS life Sciences India Limited	779.03
96	Spica Lab Pvt.Ltd.	404.64
97	Sree Kartikeya Kameshwari Inds.	21.12
98	Sree Leo Enterprises	1.65
99	Sreekar Organics	82.735
100	Sreekara Textiles P Ltd	20.5
101	Sreepathi Lab Pvt.Ltd.	68.58
102	Sreepathi Pharmaceuticals Ltd.	33.52
103	Sri Krishna pharmaceuticals Ltd.	1119.685
104	Sri Lakshmi Chemicals	173.855
105	Srini Pharmaceuticals Pvt.Ltd.	178.375
106	Srinivasa Organics	30.59
107	Sruthi Lab	39.87
108	Suven Pharmaceuticals Limited., Uni	1483.51
109	Svethansh & Company	35.75
110	Svr Lab Pvt.Ltd.	112.48
111	Symed Labs Ltd. Unit-1	101.9
112	Synthokem Labs Pvt.Ltd.	0.863
113	Tarus Chemicals Pvt.Ltd.	55.51
114	HUHTAMAKI India Limited	10.06
115	Tube Investments Of India Ltd.	557.86
116	Unicorn Natural Products Pvt.Ltd.	3.19

117	Vasant Chemicals Ltd. Unit II	6.67
118	Vasudha Organics Pvt.Ltd.	49.24
119	Veer-Chemie & Aromatics Pvt.Ltd.	1.135
120	Virchow Lab Ltd.	6898.96
121	Virupaksha Organics Pvt.Ltd. Unit I	366.265
122	VJ Sai Chem.	155.22
123	PMC YM pharma pvt.Ltd.	142.86
124	Akzonobel India Ltd.	20.445
125	MN Science & Technology Park Pvt.Lt	2.605
126	Alkali Metals Ltd. Unit II	0.314
127	Ambica Inds.	5.45
128	Arch Pharma Ltd.	73.12
129	Aurobindo Pharma Ltd. Unit - VI	40.36
130	Avra Lab Pvt.Ltd. Unit II (100% EOU	12.31
131	Bengal Cold Rollers Pvt.Ltd.	1.63
132	Bharat Biotech International Ltd.,	9.4
133	Bharat Dynamics Ltd.	0.835
134	Biocon Ltd.	229.66
135	Biological (E) Ltd. Unit -II	0.83
136	Biosyn Research Chemicals	0.48
137	Brundavan Lab Pvt.Ltd.	157.36
138	Chromo Lab India Pvt.Ltd.	34.53
139	Honour Lab Limited Unit-V	8.35
140	Neotiss Limited	0.33
141	Stereokem Private Limited	0.64
142	Earth Sense Recycle Pvt.Ltd.	85.173466
143	Elegant Chemical Enterprises Pvt.Lt	4.21
144	Emmennar Pharma Pvt.Ltd. Unit-III	164.6
145	ESPI Inds.&Chemicals Pvt.Ltd.Unit I	2.32
146	MN Takshila Industries Pvt Ltd	0.17
147	Gland Pharma Ltd.	4.93
148	Globion India Pvt.Ltd.	66.9
149	Goverdhan Inds.	11.145
150	Granules India Limited.	46.83
151	Granules India Ltd.Paracetamol Divn	243.81
152	Hasita Aromatics Pvt.Ltd.	1.035
153	HLB Power Systems Ltd.	86.34
154	Hetero Drugs Ltd. Unit -I	1758.56
155	HETERO LABS LIMITED, UNIT-1	781.52
156	Hexagon Drug Labs Pvt.Ltd.	2.737
157	Icomm Tele Ltd.	3.38
158	MAYORA INDIA PRIVATE LIMITED	0.77
159	Indian Drugs & Pharmaceuticals Ltd.	8.47
160	Indian Immunological Limited.	192.51
161	Jeedimetla Effluent Treatment Ltd.	12410.49
162	Kalpna Chemicals (P) Ltd.	0.5
163	Kanak Silk Mills Pvt.Ltd.	1.3
164	Kedia Silk Mills Pvt.Ltd.	14.28
165	KRS Pharmaceuticals Pvt.Ltd.	6.93
166	Laurus Labs Pvt.Ltd.	4.41
167	Lindstrom Servces India Pvt.Ltd.	0.05
168	Mahidhara Chemicals Pvt.Ltd.	3.6449
169	Mahindra & Mahindra Ltd.	17.355
170	Mars International India Pvt.Ltd.	123.088
171	Maruti CottexLtd.	27.54
172	Medha Dyechem Pvt.Ltd.	5.27
173	Meka Lab	4
174	Metrochem A.P. Pvt.Ltd. Unit I	1.629
175	Micro Molecules Pvt.Ltd.	33.62

176	Mishra Dhatu Nigam Ltd.	0.53
177	MSN Organic Pvt. Ltd.	52.12
178	MSN Pharmachem Pvt. Ltd.	97.79
179	N.K. Chemicals Pvt. Ltd.	17.76
180	Nuclear Fuel Complex	469.06281
181	Piramal Pharma Ltd	3104.5607
182	Porus Laboratories Pvt. Ltd. Unit-II	5.31
183	Pragati Pack India Pvt. Ltd.	0.5915
184	Rakshit Drugs Pvt. Ltd.	135.16
185	Rane Madras Ltd.	0.048
186	Rane Engine Value Ltd. (Plant II)	112.569
187	Rational Labs Pvt. Ltd.	0.2
188	S.V. Labs Pvt. Ltd.	156.765
189	Sainor Lab Pvt. Ltd.	2.495
190	Salus Lab Pvt. Ltd.	4.752
191	Samkrp Pistons & Rings Ltd.	4.16
192	Sapala Organics Pvt. Ltd.	1.657
193	Sarvotham Care Ltd.	0.05
194	Schneider Electric India Pvt. Ltd.	2.2
195	Sanofi Healthcare India Pvt. Ltd.	48.932
196	Shilpa Medicare Ltd	12.105
197	Shree Jaya Lab Pvt. Ltd.	52.75
198	Shree Vinayaka Life Science Pvt. Ltd.	5.87
199	Sparsha Pharma International Pvt. Lt	1.46
200	Sreeni Labs Pvt. Ltd.	0.84
201	Sri Balaji Metal Inds.	16.55
202	Sri Chaitanya Chlorides Pvt. Ltd.	94.84
203	Sri Krishna pharmaceuticals Ltd.	380.995
204	Sri Krishna pharmaceuticals Ltd.	1333.17
205	Sri Navdurga Textiles Processor Pvt	29.63
206	Standard Products Mfg. Co.	0.36
207	Sunrise International Labs Ltd.	4.37
208	Symphony Pharma Life Sciences Ltd.	0.41
209	Syn Finechem Lab Pvt. Ltd.	3.74
210	Syngenta India Ltd.	1.98
211	Synthons Research Lab	2.095
212	MN Takshila Industries Pvt Ltd	74.493
213	Tata Advanced System Ltd.	16.43
214	Tata Lockheed Martin Aerostructures	24.04
215	Unique Biotech Ltd.	146.58
216	Venkar Chemicals	22.49
217	Vijaya Anand Fabrics Pvt. Ltd.	21.1
218	Vijayasri Chemicals	5.84
219	Vijayasri Organics	0.976
220	Vinyl Chemicals Pvt. Ltd.	2.25
221	Virchow Chemicals Pvt. Ltd.	2218.51
222	Virchow Drugs Pvt. Ltd.	2588.08
223	Virchow Petrochemical Pvt. Ltd.	909.77
224	Virupaksha Lab Pvt. Ltd. Unit I	1.34
225	Vision Drugs Pvt. Ltd.	164.83
226	Viwyn Pharma Pvt. Ltd.	45.65
227	Zenara Pharma Pvt. Ltd.	3.22
228	Buli Chemicals India Pvt. Ltd.	0.1094
229	Aurigene Pharmaceutical Services Ltd	65.38
230	NICHINO INDIA PVT. LTD	0.991
231	Laser Shaving (India) Pvt. Ltd.	41.43
232	Medha Servo Drives P Ltd.	55.6
233	TFL Quinn India Pvt Ltd.	63.1
234	Thyssenkrupp Industries India Pvt. L	29.36

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235	Kakatiya Industries Pvt.Ltd.	61.83
236	Civenti chem (I) Ltd.	15.33
237	ARAGEN LIFE SCIENCES PRIVATE LIMITE	107.76
238	Kabsons Gas Equipment P Ltd.	0.037
239	Keerthi Industries Ltd.	2.33
240	Metro Chem Api Pvt.Ltd. Unit C	1081.235
241	South Central Railway-CWS Lallaguda	107.03
242	South Central Railway-DLS Moulalai	2.685
243	LEIUTIS PHARMACEUTICALS LLP	2.315
244	TOSHIBA TRANSMISSIONS & DISTRIBUTIO	303.78
245	UNITED STATES PHARMACOEPIA PVT LTD	3.534
246	INDOFAB METPRO ENGINEERS	1.52
247	ABR Organics Pvt Ltd	0.09
248	Neuheit Pharma Technologies Pvt.Ltd	0.68
249	Dilip Textiles Pvt Ltd-Unit-II	12.81
250	HONOUR LAB LTD	757.78
251	STANDARD REAGENETS PVT LTD	0.065
252	SUPER FLO (P) LTD	28.78
253	TATA Sikorsky Aerospace Ltd.	27.91
254	APPCURE LABS PVT.LTD.	10.863
255	Suven Pharmaceuticals Limited., Uni	17.71
256	Suven Pharmaceuticals Limited., Uni	1100.255
257	Porus Laboratories Pvt.Ltd.Unit-III	14.53
258	Mylan Laboratories Ltd. U VII	2268.6437
259	Mylan Laboratories Ltd. U-I	1012.305
260	Valens Molecules Private Limited.Un	156.95
261	Gensynth Fine Chemicals Pvt.Ltd.	19.97
262	Normak Fashions Pvt.Ltd.	0.513
263	Dr.Reddy's Laboratories Ltd. FTO-I	3.19
264	Dr.Reddy's Lab.Ltd.CTO-II	61.163
265	Dr.Reddy's Lab.Ltd.GDC(FTO-II & III	3.37
266	Dr.Reddy's Lab.Ltd.FTO-III	39.88
267	Dr.Reddy's Lab.Ltd. TDC-II	3.489
268	Dr.Reddy's Laboratories Ltd.CTO-III	26.505
269	NEULAND LAB LTD.	412.7151
270	Vanamali Organics Pvt.Ltd.	35.95
271	Reitz India Limited	2.03
272	Sai Life Sciences Ltd.	32.03
273	DR.REDDY'S LAB. LTD. FTO-II IPDO	125.1
274	Natco Pharma Ltd.	54.35
275	Sriam Labs Pvt.Ltd.	211.8
276	Fusion chemicals & Products Pvt.Ltd	71.51
277	Nosch Labs Pvt.Ltd. Unit-4	186.31
278	Meenakshi Agro Chemicals	11.93
279	ISITVA FASTENERS PVT.LTD.	1.1
280	BAYER BIO SCIENCE PVT.LTD.	0.39
281	AUROBINDO PHARMA LTD.	20.09
282	Almelo Private Limited Unit 2	14.0898
283	Surana Wires Pvt.Ltd.	263.04
284	Deepthi Formulations Pvt Ltd	3.18
285	GAETEC	0.2
286	Himjal Bererages Pvt.Ltd.	2.2248
287	MITTAL BATTRIES PVT LTD	0.315
288	Porus Laboratories Pvt.Ltd.Unit-I	33.595
289	Total Drugs & intermediate limited	0.79
290	GMR Aero Technic Ltd.	8.96
291	SGR CHEMICALS PVT LTD	0.94
292	Suven Pharmaceuticals Limited -FDC	7.1
293	Vantech Chemicals Ltd.	4.19

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294	TKM Pharma	9.77
295	SGD Pharma India Limited.	57.98
296	Benova Labs (P) Ltd	26.595
297	Bharat Electronics Limited	2.746135
298	Sri Krishna Pharmaceuticals Ltd II	6.08
299	Nosch Labs Pvt Ltd. Unit-3	1.17
300	OPTIMUS DRUGS PRIVATE LIMITED UNIT	622.39
301	Optrix Laboratories Ltd.	40.74
302	Symed Labs Ltd. Unit II	39.07
303	R.A. Chem Pharma Ltd.	22.315
304	Nile Ltd.(Non Ferros Divn)	668.56
305	Mylan Laboratories Ltd.- Sez Unit	53.34
306	Monsanto Holding Pvt.Ltd.	8.74
307	Amneal Oncology Private Limited	25.8
308	Bennett Coleman & Co. Ltd.	14.43
309	Piyanshu Chemicals Pvt.Ltd.	2.9
310	Intonation Research Laboratory	7.51
311	MSN Life Sciences Pvt.Ltd.Unit-I	431.75
312	MSN Life Sciences Pv.Ltd.Unit-II	144.96
313	Gland Pharma Ltd.	32.344
314	ITC PSPD Ltd.	331.57
315	Mars Therapeutics Private Limited	0.955
316	Synthokem labs Ltd.Unit-II	46.36
317	Symed Labs Ltd.Unit-IV	561.32
318	Biological E Ltd.	3.47
319	Parker Hannifen India Pvt.Ltd.	7.663
320	Aurobindo Pharma Ltd. Unit-VII-SEZ	334.93
321	Symed Labs Ltd. Unit V	5.435
322	Metrochem API Pvt. Ltd. Unit II	1.79
323	Accrete Pharmaceuticals Pvt.Ltd.	22.615
324	Seutic Pharma Pvt Ltd.	4.2
325	Biological E Ltd.	6.345
326	Meenaxy Pharma Pvt.Ltd.	18.2
327	KI Hi-Tech Secure Print Ltd.	1.01
328	Medha Traction Equipement Pvt.Ltd.	5.79
329	Enumamula Common Effluent Treatment	5.26
330	Z Enviro Industries Private Limited	140.42
331	Patny Systems Pvt.Ltd.	5.28
332	Symed Labs Ltd. Unit VI	531.31
333	Nasense Labs Pvt.Ltd.	2.675
334	Enal Drugs Pvt limited Unit-2	343.83
335	Siflon Drugs Ltd.	3.093
336	Natco Pharma Ltd.(R&D)	0.908
337	Usha International Ltd.	18.595
338	Indwa Technologies Pvt.Ltd.	175.515
339	Bharathi Meena Seeds.	19.58
340	Sainor Laboratories Pvt.Ltd.Unit-II	1.3316
341	HIL LIMITED	5039.91
342	Polmor Steel Private Limited	15.485
343	Airis Pharma Pvt.Ltd.	3.15
344	Virupaksha Organics Ltd.	298.96
345	Bharat Dynamics Ltd.	2.448
346	Saiteja Drugs & Intermediates Pvt.L	4.94
347	Prateek Industries	47.59
348	Divis Laboratories Ltd.	0.1748
349	SMS Pharmaceuticals Ltd. Unit-II	37.27
350	Vivimed Labs Ltd.	0.02
351	South Central Railway-DLS Kazipet	34.08
352	Renewsys India Private Limited	197.62

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353	Vani Pharma labs Ltd Unit-II	43.955
354	SVK Laboratories Pvt LTd., (formerl	0.61
355	Pitti Engineering Ltd.	79.481
356	Jain Irrigation System Ltd.	0.28
357	Hetero Labs Ltd. Unit -VII	18.94
358	Hetero Labs Ltd. Unit - III (E.OU)	156.812
359	Hindys Lab Pvt.Ltd.	309.61
360	Dasami Lab Private Limited.	138.63
361	AGI GREENPAC LIMITED	2.12
362	HSIL Ltd.(Packaging Product Divis)	7.07
363	S.S.Organics Ltd.	19.35
364	Tata Institute of Fundamental Resea	4.35
365	Hazelo Lab Pvt.Ltd.	137.13
366	Granules India Ltd. API Unit-III	57.74
367	Alphamed Formulations Pvt.Ltd.	17.085
368	Bharat Petroleum Corporation Ltd	1.945
369	EPE Process Filters & Accum.Pvt Ltd	1.805
370	EPE Process Filters & Accum.Pvt Ltd	1.78
371	Hyderabad Electro Plating Works	0.678
372	Wal Mart India Pvt.Ltd.	0.74
373	Denisco Chemicals Pvt Ltd.Unit-II	4.95
374	Arce Polymers Pvt.Ltd.	2.7
375	Honey Well Technology Solution Lab	0.937
376	SMS Lifesciences India Ltd, Unit-IV	5.37
377	Metrochem API Pvt.Ltd.Unit A	1.96
378	Granules India Limited (R&D center)	7.625
379	Metrochem API Pvt.Ltd R&D Center	0.77
380	Wonderla Holidays Ltd.	5.306
381	Vet India Pharmaceuticals Ltd.	1.31
382	Clariant India Limited	250.89
383	Bharathi Brahma Seeds	9.81
384	Hetero Labs Ltd (Formulation R&D)	11.36
385	Sanofi Healthcare India Pvt.Ltd.	5.555
386	Sunder Synthetics Pvt.Ltd.	1.075
387	MYK Laticrete India Pvt.Ltd.	7.05
388	Biophore India Pharmaceuticals Pvt	3.49
389	Graviti Pharmaceuticals Pvt.Ltd.	57.5176
390	SVS Refcomp Pvt.Ltd.	99.7
391	Aptar Pharma India Pvt.Ltd.	19.91
392	Dilip Texprints	2.405
393	LARA Drugs Pvt.Ltd.	0.035
394	ARCI (An Autonomous R&D Centre)	4.05
395	Vedgir Pharma	3.13
396	HIL LIMITED	189.54
397	Sattva Global Services Pvt.Ltd.	47.18
398	Annora Pharma Pvt.Ltd.	50.98
399	Manney Engineers	12.54
400	Aurex Laboratories Pvt.Ltd.	0.765
401	Rakshit Drugs Pvt.Ltd. Unit II	100.31
402	Vijaya Sai Laboratories India Pvt.L	39.61
403	Satyadeva Pharmaceuticals Pvt Ltd.U	231.06
404	MLR Auto Ltd.	2.32
405	Rocktec Infra and Miniing Pvt.Ltd.	1.2
406	South Central Railway-ELS Kazipet	38.44
407	Inox Air Products (P) Limited	0.06
408	Vibhor Steel Tubes Pvt.Ltd U-II	201.28
409	EUGIA Pharma Specialites Ltd.	52.56
410	Virchow Biotech Pvt.Ltd.	11.76
411	Optimus Pharma Pvt.Ltd.	9.181

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Signature

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412	Clininvent Research Pvt.Ltd.	5.5
413	Nunhems india Pvt.Ltd.	3.2665
414	Glukem Biocare Pvt.Ltd.	0.01
415	Tata Consultancy Services SEZ Unit	0.163
416	Tata Consultancy Services	0.148
417	Hindustan Petroleum Coprpn.Ltd.	1.64
418	Neospark Drugs & Chemicals Pvt.Ltd.	6.535
419	Credo Life Sciences Pvt.Ltd.	0.22
420	Mahindra Cie Automotive Ltd.	24.9
421	Indian Genomix Pvt.Ltd.	1.08
422	Epione Labs Pvt Ltd.,	0.474
423	Shilpa Therapeutics Pvt Ltd.	0.04
424	Chemerix Biotech Private Limited	9.635
425	Allied Blenders And Distillers Pvt.	4.63
426	Jodas Expoim Pvt.Ltd.	1.614
427	TATA CONSULTANCY SERVICES LTD, SEZ	0.06524
428	Sagar Asia Pvt.Ltd.	1.995
429	Sms Pharmaceuticals Ltd.(R&D Center	0.28
430	TRIKONA PHARMACEUTICALS Pvt.Ltd.	1.51
431	Aurobindo Pharma Ltd. Unit - IX	1066.72
432	Aurobindo Pharma Ltd. Unit - V	1173.095
433	Aurobindo Pharma Ltd. Unit - VIII	337.325
434	Aurobindo Pharma Ltd. Unit - XII	2.91
435	Aurobindo Pharma Ltd. Unit - I	4347.245
436	Chemo India Formulations Pvt.Ltd.	3.45
437	Pulse Pharmaceuticals Pvt.Ltd.	0.429
438	Novick Bio-Sciences Pvt.Ltd.	0.543
439	Alr Labs Pvt.Ltd.	2.4
440	RISHON LABORATORIES Pvt.Ltd.	117.37
441	Biological E Ltd.	10.22
442	Imerys Ceramics India Pvt.Ltd.	1.599
443	Laxai Lifescineces Pvt.Ltd.	5.413
444	S.G.Plant Inds.	3.26
445	Ontop Pharmaceuticals Pvt.Ltd.	1.989
446	Kakatiya Mediclean Services	39.18
447	Venkataramana Incinerators	166.34
448	Prathiraj Metal Masters Pvt.Ltd.	5.85
449	Macro Media Digita Imaging Pvt.Ltd.	2.225
450	Dharma & Co.	41.44
451	Neuland Laboratories Ltd	336.87
452	Office of The Principal Commissione	6.79905
453	Essilor 2020 Optics Pvt.Ltd.	5.05
454	ESSILOR India Private Limited	5.62
455	Thermo Cables Ltd.	0.025
456	Sai Deepa Rock Drills Pvt.Ltd.	11.272
457	Amaravathi Galvanising Inds.	13.25
458	Veena Lifesciences India Pvt.Ltd.	26.07
459	Clearsynth Labs Ltd. Unit 2	7.315
460	Infosys Ltd.	35.34
461	Shreeyansh Labs Pvt.Ltd.	15.6
462	Vandana Life Sciences Pvt.Ltd.	4.765
463	Medchem Labs	12.01
464	Tata Boeing Aerospace Ltd.	15.05
465	Vijay Anand Fabrics Pvt.Ltd.Unit 2	11.605
466	Laxmi Genchem Sciences Pvt.Ltd.	3.685
467	Sharp International Product Pvt.Ltd	12.23
468	Forbes Marshall Hyd Pvt.Ltd.	0.4
469	Relixir Pharmaceuticals Pvt.Ltd.	15.24
470	Mangla Tubes Pvt.Ltd.	0.225

471	Msn Lifesciences Pvt.Ltd. Unit 3	425.01
472	Aurore Pharmaceuticals Pvt.Ltd.Unit	18.11
473	Aurore Pharmaceuticals Pvt.Ltd.Unit	137.395
474	Ecmas Resins Pvt.Ltd.	1.405
475	Dsm Nutritional Products India Pv.L	73.28
476	Poorvi Farmtech Pvt.Ltd.	4.01
477	Rane Madras Ltd.	3.38
478	Swastik Weldmesh Inds. (Unit -li)	183.2
479	Integrated Cleanroom Technologies	0.45
480	Maithri Laboratories Pvt.Ltd.Unit -	23.33
481	Optimus Drugs Pvt.Ltd.	0.44
482	Therapiva Pvt.Ltd. Unit- II	5.51
483	Tata Advanced Systems Ltd.Unit-II	10.95
484	Shriram Automall India Ltd.	1.25
485	Aaran1 Engineering Pvt.Ltd.	3.395
486	Devsynthesis India Pvt.Ltd.	1.238
487	Selma Laboratories Pvt.Ltd.	266.41
488	Kamala Consumer Pvt.Ltd.	1.31
489	Safran Electrical & Power India Pvt	0.7495
490	Magnum Chemi Gran Pvt.Ltd.	2.6
491	Global Aluminium Pvt.Ltd.Unit-II	186.62
492	Var Electrochem Pvt.Ltd.	2.425
493	Voith Turbo Pvt.Ltd.	0.26
494	Gmk Research Laboratories Ltd.	6.17
495	Salicylates And Chemicals Pvt.Ltd.	2.2
496	Gland Pharma India Ltd.	0.02
497	Daicel Chiral Technologies India	2.866
498	Kosan Crisplant India Pvt.Ltd.	0.84
499	Puzzolana Machinery Fabricators Ltd	4.24
500	Zenotech Laboratories Ltd.Unit-II	3.08
501	Chemveda Life Sciences India Pvt.Lt	1.17
502	Aap Pharma Technologies India Pvt.L	8.52
503	Soubhagya Confectionery Pvt.Ltd.	1.28
504	Clians Labs Pvt.Ltd.	0.98
505	Danisco India Private Limited.	2.022
506	Sunlight Active Drug Ingredients Pv	10.55
507	Ravoos Laboratories Ltd.- Unit II	58.98
508	Medchem International Ltd.	0.0275
509	Knowledge Square Park&Incubators Pv	18.64
510	Premier Explosives Ltd.	5.22
511	Raghava Life Sciences Pvt.Ltd. UNIT	32.94
512	Escientia Bio-Pharma Pvt.Ltd.	2.19
513	Taiyo Nippon Sanso India Pvt.Ltd.	0.601
514	COHANCE LIFESCIENCE LIMITED	2.55
515	Ra Chem Pharma Ltd.	2.72
516	Banyan Sustainable Waste Management	248.25
517	Gland Pharam Ltd.- R&D	1.12
518	Vijayneha Polymers Pvt.Ltd.Unit-III	0.99
519	Virchow Petrochemicals Pvt.Ltd.Unit	1183.72
520	Green Wave E-Waste Recycling	10
521	COHANCE LIFESCIENCE LIMITED	0.46
522	Ra Chem Pharma Ltd.- R&D	0.24
523	Adani Elbit Advanced system India P	5.72
524	Ricon Pharma India Pvt.Ltd.	0.77
525	Aurore Life Sciences Pvt.Ltd.	42.43
526	Amazon Seller Services Pvt.Ltd.	5.27541
527	Harsh Plasto Metalizer Pvt.Ltd.	1.116
528	Time Technoplast Ltd.	0.324
529	Welspun Flooring Ltd.	11.96

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530	Smruthi Organics Ltd.	0.003
531	Mahasai Aluminium Profiles Pvt.Ltd.	8.82
532	Ferring Laboratories Private Limite	1.08
533	Epsilon Carbon Pvt.Ltd.	38.78
534	Scoat Pharma Private Limited	0.0241
535	MANE INDIA PRIVATE LIMTIED	21.775
536	KAMAL Electronic Refurbishin and E-	486.95
537	Premier Energies Photovoltaic Pvt.L	213.91
538	Vanamali Organics Pvt.Ltd.	4.86
539	Safran Aircraft Engines Hyderabad	64.085
540	BAYER CROPSECIENCE Ltd.	0.6
541	Srimatha chemicals & Intermediates	0.25
542	J.K.Fenner (INDIA) limited	0.69
543	PRISTINE INGREDIENTS PRIVATE LIMITE	15.13
544	Roma Industries	68.89
545	Hindustan Foods Limited	473.73
546	Reboot Resources Privte limited	87.04
547	BIOSERVE BIOTECHNOLOGIES INDIA PVT	1.77
548	VITAL SYNTHETICLABS PVT LTD	0.44
549	united states pharmacopeia India (P	0.609
550	Shilpa Medicare Limited ., UNIT -VI	6.785
551	Selmar Lab Private Ltd Unit-II	35.25
552	GlaxoSmithKline Asia Private Limite	2.154
553	INDIAN IMMUNOLOGICALS LIMITED	0.81
554	ZUNAX ENERGY PRODUCTS LLP	11.08
555	COHANCE LIFESCIENCE LIMITED	2.91
556	RA CHEM PHARMA LIMITED	0.04
557	Sree Mahalaxmi Labs	5.89
558	SAPTAGIR LABORATORIES PVT LTD	32.48
559	Himachal Futuristic Communications	78.9274
560	VVR Organics Private Limited	120.84
561	APICHEM LABORATORIES PRIVATE LIMITE	45.53
562	JAMP INDIA PHARMACEUTICALS PRIVATE	8.7
563	TOKYO CHEMICAL INDUSTRY (INDIA) PRI	1.632
564	ANHEUSER BUSCH INBEV INDIA LIMITED	6.98
565	ALKALOIDS PRIVATE LIMITED	0.317
566	Biological E Limited- LAB- 4&10	0.07
567	SAPALA LIFE SCIENCES PRIVATE LIMITE	0.205
568	Divis Laboratories Limited Unit-1 D	4237.72
569	VASANTHA TOOL CRAFTS PVT LTD	0.2939
570	Gland Pharma Ltd.	0.026
571	Procell Biologics Pvt ltd	0.56
572	YASH INTERNATIONAL INC	0.2
573	Jeevan Scientific Technology Limite	0.615
574	Etasha Batteries Pvt Ltd., Unit -3	19.46
575	Elifecycle Management Pvt Ltd.,	598.335
576	Ichor biologics Pvt limited	0.1504
577	Vineet Laboratories limited	101.24
578	BrahMos Aerospace	4.71
579	REVIN LABS PRIVATE LIMITED	0.062
580	MSN PHARMACHEM PVT LTD., UNIT-II	182.18
581	NEULAND LABORATORIES LIMITED	0.68
582	HLSS Manufacturing Pvt Ltd.	3.58
583	APEX DRUGS LIMITED UNIT-II	93.23
584	Wavin India Pipes & Fittings Mfg Pv	0.13
585	Zenfold Sustainable Technologies	313.31
586	Kundana Techno Tex Pvt Ltd	16.55
587	CREATIVE POLYPACK PRIVATE LIMITED	1.72
588	Thriveni Insulations	6.88

for Hyderabad Waste Management Project

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589	DISTRICT TB CONTROL OFFICE	1.18
590	Jenex Pharma Solutions.,	1.5
591	Air india Engineering Services Limi	0.67
592	Station House officer	4.57035
593	GMM PFAUDLER Limited	8.14
594	Bio-Pesticide Testing Lab,	0.3
595	Narcotics Control Bureau	3.7
596	Vasista Life Science Pvt Ltd	79.395
597	Ganesha Ecopet Private Ltd	6
598	Cyient DLM Private Ltd	0.56
599	ALKALOIDS PRIVATE LIMITED -(A)	0.015
600	Telangana State Pollution Control B	20.545
601	GMR hyderabad International	1.02
602	MERCK LIFE SCIENCE PRIVATE	2.03
603	UPL LIMITED	2.7
604	Hetero Healthcare Limited	9.8
605	Nex Farm Products India Pvt Ltd,	0.15
606	PCI PEST CONTROL PRIVATE LIMITED	6.92
607	PUR ENERGY PRIVATE LIMITED	18.55
608	Confluent Medical Technologies	0.41
609	Caplin point Laboratories Ltd	0.35
610	Concord Drugs Limited	3
611	Walmart India Pvt Ltd	1.575
612	Walmart India Pvt Ltd	1.45
613	Walmart India Pvt Ltd	2.072
614	Techtran Polylenses limited	1.243
615	Gubba Cold Storage Pvt Ltd	0.76
Grand Total		111373.6092

for Hyderabad Waste Management Project

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