

MEMPL/WBPCB/EAS-KAL/23-24/044

Date : 06th November, 2023

The Chief Engineer,
Waste Management Cell,
Paribesh Bhawan,
Bldg No. 10A, Block – LA,
Sector – III, Salt Lake City,
Kolkata – 700 098.

Sub: Submission of “Environmental Audit Statement” (Form V) for FY 2022-2023 – Kalyani CBMWTF.

Sir,

We are hereby pleased to submit “Environmental Audit Statement” for the FY – 2022-23, of our Kalyani Facility in the prescribed format, as attached.

Thanking you,

Your faithfully,

For Medicare Environmental Management Pvt. Ltd.



Project Head – Kalyani Facility.



Medicare Environmental Management Private Limited
(A Subsidiary of Re Sustainability Limited)

CIN No. U24117TG1997PTC026555

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City, Hitech City Road,
Hyderabad - 500081,
Telangana.

Site Address:

K-26, Phase - III, Industrial Growth Centre,
Near JIS Engineering College,
Kalyani, Nadia - 741 235,

T: +91 93392 13248

E: suraj.shaw@resustainability.com

FORM - V (See rule 14) Environmental Audit Report for the Financial year ending the 31 st March, 2023				
PART - A				
1	Name and address of the owner/ occupier of the industry operation or process.		Medicare Environmental Management Pvt. Ltd. K-26, Phase-III, Industrial Growth Centre, Kalyani, Nadia - 741 235	
2	Industry category Primary-(STC Code) Secondary-(STC Code).		CBWTF (RED)	
3	Production capacity- Units		4800 Kgs per day	
4	Year of establishment		2005	
5	Date of the last environmental statement submitted.		N.A.	
PART - B				
1	Water Consumption m ³ /day process.			
	Cooling (quencher/ventury/scrubber)		0.9 m ³ /day	
	Domestic (toilet / washing)		0.5 m ³ /day	
			Water Consumption per unit of products	
	Name of Products		During the Previous Financial Year (2021-22)	During the Current Financial Year (2022-23)
a.	N.A.		---	---
2	Raw Materials Consumption		Consumption of Raw Materials per unit of Output	
	Name of Raw Materials	Name of Products	During the Previous Financial Year (2021-22)	During the Current Financial Year (2022-23)
	HSD	Transportation	85.1 KL	79.0 KL
		Operation	4.5 KL	6.2 KL
	BMW	Incinerable	3263.37 Tonnes	2403.78 Tonnes
		Autoclavable	161.51 Tonnes	365.2 Tonnes
PART - C Pollution Generated (Parameters as specified in the consent issued)				
a.	Pollutants		Quantity of pollution generated	Percentage of variation from prescribed standards with reasons
b.	Water (As per individual consent)		NIL (as zero discharge)	NIL
c.	AIR		Report Attached (Annexure - II)	NIL

	PART - D As specified under Hazardous Wastes (Management & Handling) Rules, 1989		
	Hazardous Waste	Total Quantity (In Kg)	
		During the Previous Financial Year (2021-22)	During the Current Financial Year (2022-23)
a.	From Process (Ash)	127.2 Tonnes	129.7 Tonnes
b.	From Pollution Control Facilities (Sludge)	102.9 Tonnes	93.8 Tonnes
	PART - E Solid Waste		
		Total Quantity (In Kg)	
		During the Previous Financial Year (2021-22)	During the Current Financial Year (2022-23)
a.	From Process (Autoclaved Scrap)	NIL	NIL
b.	From Pollution Control Facilities	NIL	NIL
c.	Quantity recycled or reutilised - Autoclave Scrap	161.51 Kgs	365.2 NIL
	PART - F Please specify the characterization (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.		
	Hazardous waste is disposed at WBPCB authorised CHWTSDF. Solid (Plastic & Glass) Waste after autoclaving and shredding is disposed at authorised recycler.		
	PART - G Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production		
	Process water fro quenching / scrubbing is 100% re-circulated through ETP. Autoclaved / Shredded / Plastic Glass / Plastic Bottle Scrap is recycled.		
	PART - H Additional investment proposal for environmental protection including abatement of pollution.		
	Investment of Enviromental Protection including abatement of pollution		
	The Environment (Protection) Rules, 1986 PART - I Miscellaneous Any other particulates in respect of environment protection and abatement of pollution		
	The Unit is certified to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 Integreted Management System from Bureau Veritas Certification. (Certificate attached : Annexure - I) Periodic audits carried out at site and CCTV monitoring ensured by separate centralised commond and control team 24x7. Movement of all the Bio-medical waste collection vehicles are monitored by GPS and connected to WBPCB Server. Pollution control parameters are monitored through OCEMS and connected to WBPCB Server. The site maintains on site and off site disaster management system.		



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Bureau Veritas Certification

RE SUSTAINABILITY LIMITED



HEAD OFFICE: LEVEL 11B, AUROBINDO GALAXY, HYDERABAD KNOWLEDGE CITY,
HITECH CITY ROAD, HYDERABAD – 500 081, TELANGANA, INDIA.

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above Organisation has been audited and found to be in accordance with the requirements of the Management System Standard detailed below.

Standards

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Scope of certification

PROVIDING SUPPORT SERVICES HUMAN RESOURCES, TECHNICAL OPERATIONS, SAFETY, SUSTAINABILITY, SUPPLY CHAIN MANAGEMENT BUSINESS DEVELOPMENT AND BUSINESS EXCELLENCE TO WASTE MANAGEMENT

1. COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, GRANULATION, BAGGING, SELLING OF REPROCESSED AND BMW BAGS FROM PLASTIC WASTE.
2. COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, RECYCLING AND DISPOSAL OF BIO MEDICAL WASTE,
3. COLLECTION, TRANSPORT, PROCESSING & DISPOSAL OF THE CONSTRUCTION & DEMOLITION WASTE.
4. COLLECTION, TRANSPORTATION, STORAGE AND BALING OF PAPER WASTE.

Original cycle start date: **04 November 2023**

Expiry date of previous cycle: **Not Applicable**

Certification Audit date: **04 October 2023**

Certification cycle start date: **04 November 2023**

Subject to the continued satisfactory operation of the Organisation's Management System, this certificate is valid until: **03 November 2026**

Certificate No. **IND.23.6209/IM/U**

Version: **1**

Issue date: **04 November 2023**

Jagdheesh N. Manian

Signed on behalf of BVCH SAS UK Branch
Jagdheesh N. MANIAN
Director – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division

For certificate authenticity, click here
<https://certcheck.ukas.com/>

ISO 9001	IN044085
ISO 14001	IN044086
ISO 45001	IN044087



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Certification body address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom.

Local office: Bureau Veritas (India) Private Limited (Certification Business)
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",
Andheri (East), Mumbai – 400 093, India.

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Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call + 91 22 6274 2000.



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Bureau Veritas Certification

RE SUSTAINABILITY LIMITED



Standards

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Scope of certification

SITE	ADDRESS	SCOPE
HYDERABAD C&D WASTE PRIVATE LIMITED, JEEDIMETLA	SY NO 78-80, GAJULARAMARAM, JEEDIMETLA(V) QUTHUBULLAPUR (M), MEDCHAL - MALKAJGIRI - 500 055, HYDERABAD, TELANGANA, INDIA.	COLLECTION, TRANSPORT, PROCESSING & DISPOSAL OF THE CONSTRUCTION & DEMOLITION WASTE.
MARIDI BIO INDUSTRIES PRIVATE LIMITED, NARSAPUR	SY NO.63/1, KAGAZ MADDUR VILLAGE, NARSAPUR - MANDAL, MEDAK-DIST. - 502 313, TELANGANA, INDIA.	COLLECTION, RECEPTION, TRANSPORTATION, STORAGE, TREATMENT, AND DISPOSAL OF BIO MEDICAL WASTE.
RE SUSTAINABILITY HEALTH CARE SOLUTIONS LIMITED, SALEM	NO.10, THANGAYUR VILLAGE, KONAMERI BUS STOP, EDAPPADI TK, SALEM 637102, TAMIL NADU, INDIA	COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, RECYCLING AND DISPOSAL OF BIO MEDICAL WASTE
MEDICARE ENVIRONMENTAL MANAGEMENT PRIVATE LIMITED, MUZAFFARPUR	A-19, PHASE - II, BELA IND. AREA-BELA INDUSTRIAL, MUZAFFARPUR, 842 005, BIHAR, INDIA	COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, RECYCLING AND DISPOSAL OF BIO MEDICAL WASTE
MEDICARE ENVIRONMENTAL MANAGEMENT PRIVATE LIMITED, KALYANI	K-26, PHASE-III, GROWTH CENTRE, KALYANI, NADIA, 741 235, WEST BENGAL, INDIA	COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, RECYCLING AND DISPOSAL OF BIO MEDICAL WASTE
MEDICARE ENVIRONMENTAL MANAGEMENT PRIVATE LIMITED, MDURGAPUR	MOUZA: MANGALPUR, JL NO. 22, P.S. RANIGANJ, DURGAPUR, PASCHIM BURDWAN- DISTRICT, 713 347, WEST BENGAL, INDIA	COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, AND DISPOSAL OF BIO MEDICAL WASTE
MEDICARE ENVIRONMENTAL MANAGEMENT PRIVATE LIMITED, LOHARDAGA	PLOT NO.82-P, 83 P TO 89 & 90 P, INDUSTRIAL AREA ROAD, RIADA, PS - LOHARDAGA, 835 302, JHARKHAND, INDIA	COLLECTION, TRANSPORTATION, STORAGE, TREATMENT, RECYCLING AND DISPOSAL OF BIO MEDICAL WASTE

Certificate No. IND.23.6209/IM/U

Version: 1

Issue date: 04 November 2023

J. Manian

For certificate authenticity, click here
<https://certcheck.ukas.com/>

ISO 9001	IN044085
ISO 14001	IN044086
ISO 45001	IN044087

Signed on behalf of BVCH SAS UK Branch
Jagdheesh N. MANIAN
Director - CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



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may be obtained by consulting the organisation.
To check this certificate validity please call + 91 22 6274 2000.

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01188
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 11/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 08

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01188/03/WC/ 04960	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

GENERAL INFORMATION ABOUT STACK

Stack identification no	: Incinerator Stack
Shape of Stack	: Circular
Stack Connected to	: Incinerator Set
Emission due to	: Burning of HSD and Biomedical Waste
Stack height from ground level(m)	: 30.0 m
Height of Sampling point from ground level(m)	: 20.0 m
Stack diameter at Sampling point(m)	: 0.4 m
Material of construction of stack	: RCC
Installed capacity	: 250 kg/hr
Running capacity	: 210 kg/hr
Fuel used	: HSD
Fuel consumption	: 80 lit/hr
Platform & ladder type & condition	: Permanent and Well
Pollution control device	: Wet venturi and wet scrubber,wet quencher and mist
Remarks	: NA

LOQ:Limit of Quantitation;**BLQ**:Below Limit of Quantitation;**UOM**:Unit of Measurement;**MAX**:Maximum;**MIN**:Minimum;**NMT**:Not More Than;**NLT**:Not Less Than.

PR:Present;**AB**:Absent.

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Research & Analysis Centre : Subhas Nagar PO, Nilgunj Bazar, Barasat, Kolkata- 700 121
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www.efrac.org, CIN : U24100WB1921PLC004311



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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01188
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 11/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 02 of 08

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01188/03/RA/ 04286	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 31/03/2023	Analysis Completion Date	: 10/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxin						
1	1 2 3 4 6 7 8-Heptachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
2	1 2 3 4 7 8-Hexachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
3	1 2 3 7 8 9-Hexachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
4	1 2 3 7 8-Pentachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.024
5	2 3 7 8-Tetrachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.005

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01188 ISSUE DATE : 11/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 03 of 08
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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxin (Contd.)						
6	1 2 3 6 7 8-Hexachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
7	Octachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.000015

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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TEST REPORT

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Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 11/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 04 of 08

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01188/03/RA/ 04286	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 31/03/2023	Analysis Completion Date	: 10/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Furans						
1	2 3 4 7 8-Pentachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0072
2	1 2 3 4 6 7 8-Heptachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
3	1 2 3 4 7 8 9-Heptachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
4	1 2 3 4 7 8-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
5	1 2 3 6 7 8-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01188 ISSUE DATE : 11/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 05 of 08
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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Furans (Contd.)						
6	1 2 3 7 8 9-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
7	1 2 3 7 8-Pentachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00072
8	2 3 4 6 7 8-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
9	2 3 7 8-Tetrachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0005
10	Octachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.000015
11	Total Dioxins & Furans	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	0.01	Max:0.1	<0.01

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01188 ISSUE DATE : 11/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 06 of 08
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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01188/03/MT/ 04829	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 02/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Heavy Metals						
1	Mercury (Hg) and its compounds	ng/Nm3	USEPA Method 29	N/A	Max : 0.05	<0.0003

Remarks : None



Arun Kumar
(E. CODE: EC56744)
Authorized Signatory

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K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 07 of 08

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01188/03/WC/ 04960	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	Particulate Matter	mg/Nm3	IS 11255 (Part 1) - 1985, RA:2003	N/A	Max:50.0	25.81 32.26 (11% O2 Correction)
2	Oxides Of Nitrogen(NOx)	mg/Nm3	EPA Method 7E	N/A	Max:400.0	46.44 58.05 (11% O2 correction)

Remarks : Requirement given as per CPCB guideline for incinerator stack emission monitoring.



Souvik Karmakar
(E. CODE: EC56717)
Authorized Signatory

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01188
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 11/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 08 of 08

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01188/03/WC/ 04960	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
3	Hydrochloric Acid(HCL)	mg/Nm3	USEPA 26	N/A	Max:50.0	2.71 3.39 (11% O2 correction)
4	Flow Rate	Nm3/hr	USEPA Method 2	N/A	--	1784
5	Combustion efficiency	%	CPCB Emission Regulation (Part-3): 1985	N/A	--	99.87

Remarks : Requirement given as per CPCB guideline for incinerator stack emission monitoring.



Souvik Karmakar
(E. CODE: EC56717)
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TC-5817

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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01189 ISSUE DATE : 03/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 01 of 01
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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS	
Sample Receipt Date : 28/03/2023	Sample Quantity Received : 5000 ml
Sample Registration Date : 29/03/2023	Sample Quantity Used : 5000 ml
Sample Registration No : EFRAC/2023/ENV/01189/01/WC/ 04961	Sample Submitted/Drawn by : EFRAC
Sample Type : ETP Inlet Water	Sampling Date : 27/03/2023
Batch No : Date of Sampling: 27.03.2023	Sampling Method : APHA 23rd Edition 1060 B
	Sampler Name : Satyajit Mondal
	Sample Condition : Fit For Analysis
SAMPLE ANALYSIS DETAILS	
Analysis Starting Date : 30/03/2023	Analysis Completion Date : 03/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	pH Value	—	APHA 23rd Edition 4500 H+ B	N/A	--	4.6
2	Total Suspended Solids (TSS)	mg/L	APHA 23rd Edition 2540 D	N/A	--	150
3	Oil & Grease	mg/L	APHA 23rd Edition 5520 B	N/A	--	14
4	Biochemical Oxygen Demand (BOD)	mg/L	APHA 23rd Edition 5210 B & IS 3025 (Part 44) : 1993	N/A	--	102
5	Chemical Oxygen Demand (COD)	mg/L	APHA 23rd Edition 5220 B	N/A	--	388.16

Remarks : None.



Ranadip Chakraborty
(E. CODE: EC56747)
Authorized Signatory

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01193
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 01/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 03

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01193/01/WC/ 04965	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: DG Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

GENERAL INFORMATION ABOUT STACK

Stack identification no	: DG Stack
Shape of Stack	: Circular
Stack Connected to	: DG Set
Emission due to	: Burning of HSD
Stack height from ground level(m)	: 10.0 m
Height of Sampling point from ground level(m)	: 4.0 m
Stack diameter at Sampling point(m)	: 0.18 m
Material of construction of stack	: MS
Installed capacity	: 82.5 KVA
Running capacity	: -
Fuel used	: HSD
Fuel consumption	: 10 lit/hr
Platform & ladder type & condition	: Permanent and Well
Pollution control device	: NA
Remarks	: NA

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01193
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 01/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 02 of 03

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01193/01/WC/ 04965	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: DG Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	Particulate Matter	g/kW-hr	IS 11255 (Part 1) - 1985, RA:2003	N/A	Max. 0.2	0.182
2	Sulphur Dioxide (SO ₂)	g/kW-hr	IS 11255 (Part 2) - 1985, RA:2003	N/A	--	0.60
3	Carbon dioxide (CO ₂)	%	IS: 13270 : 1992, RA 2003	N/A	--	3.6

Remarks : Requirement given as per CPCB guidelines for DG set Emission less than 800 KW.



Souvik Karmakar
(E. CODE: EC56717)
Authorized Signatory

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TEST REPORT

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K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 03 of 03

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01193/01/WC/ 04965	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Monitoring	Sampling Date	: 27/03/2023
Batch No	: DG Stack	Sampling Method	: IS / EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Environment						
1	Oxides of Nitrogen (NOx)	g/kW-hr	IS 11255 (Part 7) - 2005	N/A	Max. 4.0	0.646
2	Carbon Monoxide	g/kW-hr	USEPA 10	N/A	Max. 3.5	0.816

Remarks : Requirement given as per CPCB guidelines for DG set Emission less than 800 KW.



Souvik Karmakar
(E. CODE: EC56717)
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TEST REPORT

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Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 01/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 01

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1000 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1000 gm
Sample Registration No	: EFRAC/2023/ENV/01190/01/WC/ 04962	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Ash	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Environment						
1	VOC (B,T,X)	ppm	EPA - 1311 - 1992	NMT 0.001	--	Not Detected (NMT 0.001)

Remarks : NA



Souvik Karmakar
(E. CODE: EC56717)
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TEST REPORT

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Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 01/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 01

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1000 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1000 gm
Sample Registration No	: EFRAC/2023/ENV/01191/01/WC/ 04963	Sample Submitted/Drawn by	: EFRAC
Sample Type	: ETP Sludge	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023.	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Environment						
1	VOC (B,T,X)	ppm	EPA - 1311 - 1992	NMT 0.001	--	Not Detected (NMT 0.001)

Remarks : NA



Souvik Karmakar
(E. CODE: EC56717)
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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01192
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 07/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 06

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 300 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 300 gm
Sample Registration No	: EFRAC/2023/ENV/01192/03/RA/ 04287	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Soil	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 31/03/2023	Analysis Completion Date	: 03/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Residual Solvents						
1	PAH	mg/kg	QA.16.4.27	0.01	--	BLQ

Remarks : None



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01192
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K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 02 of 06

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 100 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 100 gm
Sample Registration No	: EFRAC/2023/ENV/01192/03/MT/ 04830	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Soil	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 07/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Heavy Metals						
1	Copper (Cu)	mg/kg	Soil Testing In India	N/A	--	2.183
2	Lead (Pb)	mg/kg	Soil Testing In India	N/A	--	0.979
3	Arsenic (As)	mg/kg	Soil Testing In India	N/A	--	0.313
4	Nickel (Ni)	mg/kg	Soil Testing In India	N/A	--	1.461
5	Cadmium (Cd)	mg/kg	Soil Testing In India	N/A	--	0.007

Remarks : None



Arun Kumar
(E. CODE: EC56744)
Authorized Signatory

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01192
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 07/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 03 of 06

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Heavy Metals (Contd.)						
6	Manganese (Mn)	mg/kg	Soil Testing In India	N/A	--	21.962
7	Zinc (Zn)	mg/kg	Soil Testing In India	N/A	--	4.790
8	Chromium (Cr)	mg/kg	Soil Testing In India	N/A	--	1.796
9	Mercury (Hg)	mg/kg	Soil Testing In India	N/A	--	0.003

Remarks : None



Arun Kumar
(E. CODE: EC56744)
Authorized Signatory

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01192
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 07/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 04 of 06

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 600 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 600 gm
Sample Registration No	: EFRAC/2023/ENV/01192/03/WC/ 04964	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Soil	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	pH value	-	Soil Testing In India	N/A	--	5.63
2	Total Organic Carbon (TOC)	%	Soil Testing In India	N/A	--	0.11

Remarks : NA



Souvik Karmakar
(E. CODE: EC56717)
Authorized Signatory

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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01192 ISSUE DATE : 07/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 05 of 06
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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 600 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 600 gm
Sample Registration No	: EFRAC/2023/ENV/01192/03/WC/ 04964	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Soil	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
3	Total Dissolved Solids (TDS)	mg/L	Soil Testing In India	N/A	--	34.0
4	Flouride (F)	mg/kg	EPA METHOD 9214	N/A	--	NMT 0.5
5	Cyanide (CN)	mg/kg	EPA METHOD 9010C	N/A	--	NMT 0.01

Remarks : NA



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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01192
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 07/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 06 of 06

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 600 gm
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 600 gm
Sample Registration No	: EFRAC/2023/ENV/01192/03/WC/ 04964	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Soil	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: NA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical Parameter						
1	Electrical Conductivity	µS/cm	Soil Testing In India	N/A	--	62.5

Remarks : NA



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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01194 ISSUE DATE : 30/03/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 01 of 01
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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01194/01/WC/ 04966	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Lux	Sampling Date	: 27/03/2023
Batch No	: Incinerator Stack	Sampling Method	: IS
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 30/03/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Environment						
1	LUMEN	Lux	IS: 3646 (Part 1) :1992 RA 2003	N/A	--	451

Remarks : Analysis start & completion date for Illumination refers to the field data computation, interpretation & compilation date.



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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01195
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 02/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 05

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01195/02/MT/ 04831	Sample Submitted/Drawn by	: EFRAC
Sample Type	: AAQM	Sampling Date	: 27/03/2023
Batch No	: Near Main Gate	Sampling Method	: IS / CPCB
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 02/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Heavy Metals						
1	Arsenic (As)	µg/m3	EPA-IO-3.2	N/A	Max: 1.0	<1.0
2	Lead (Pb)	ng/m³	EPA-IO-3.5	N/A	Max: 6.0	<6.0
3	Nickel (Ni)	ng/m³	EPA-IO-3.5	N/A	Max: 20.0	<20.0

Remarks : Requirements given as per NAAQM : 2009



Arun Kumar
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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/ENV/01195 ISSUE DATE : 02/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 02 of 05
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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01195/02/WC/ 04967	Sample Submitted/Drawn by	: EFRAC
Sample Type	: AAQM	Sampling Date	: 27/03/2023
Batch No	: Near Main Gate	Sampling Method	: IS / CPCB
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	Benzene(C6H6)	µg/m3	IS: 5182 (Part-11) :2006 Adsorption & Desorption followed by GC	N/A	Max. 5.0	NMT 2.0
2	Carbon Monoxide (CO)	mg/m ³	QA.16.5.80 (NDIR), DOI: 03.03.2014	N/A	Max. 4.0	0.75

Remarks : Requirement given as per NAAQM 2009.



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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01195
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 02/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 03 of 05

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01195/02/WC/ 04967	Sample Submitted/Drawn by	: EFRAC
Sample Type	: AAQM	Sampling Date	: 27/03/2023
Batch No	: Near Main Gate	Sampling Method	: IS / CPCB
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
PAH						
1	Benzo(a)Pyrene	ng/m ³	USEPA TO13 A	N/A	Max. 1.0	NMT 0.01

Remarks : Requirement given as per NAAQM 2009.



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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01195
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 02/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 04 of 05

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01195/02/WC/ 04967	Sample Submitted/Drawn by	: EFRAC
Sample Type	: AAQM	Sampling Date	: 27/03/2023
Batch No	: Near Main Gate	Sampling Method	: IS / CPCB
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 01/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Environment						
1	PM 10	µg/m3	IS 5182 (Part 23) : 2006	N/A	Max. 100.0	73.79
2	PM 2.5	µg/m3	IS: 5182 (Part 24) : 2019	N/A	Max. 60.0	37.79
3	Total Suspended Particulate Matter (SPM)	µg/m3	IS: 5182 (Part 24) : 2019	N/A	Max. 100.0	37.79
4	Respirable Suspended particles matter (RSPM)	µg/m3	IS 5182 (Part 23) : 2006	N/A	Max. 60.0	73.79
5	Sulphur Dioxide(SO2)	µg/m3	IS 5182 (Part-2) : 2001	N/A	Max. 80.0	9.55

Remarks : Requirement given as per NAAQM 2009.



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TEST REPORT

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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Environment (Contd.)						
6	NOx	µg/m3	IS 5182 (Part-6) :2006	N/A	Max. 80.0	23.34
7	Ammonia (NH3)	µg/m3	Methods of Air Sampling and Analysis 3rd Edition, Method 401	N/A	Max. 400.0	32.41
8	Ozone (O3)	µg/m3	Methods of Air Sampling and Analysis 3rd Edition, Method 411	N/A	Max. 180.0	NMT 10.0

Remarks : Requirement given as per NAAQM 2009.



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TC-5817

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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/ENV/01196
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 30/03/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 01

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 1 no.
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2023/ENV/01196/01/WC/ 04968	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Noise	Sampling Date	: 27/03/2023
Batch No	: Garden Area	Sampling Method	: CPCB Protocol
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 30/03/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Noise Level						
1	Leq	dBA	CPCB, Protocol for Ambient Level Noise Monitoring-2015	N/A	Max. 75.0(Day)Max. 70.0(Night)	Leq - 58.9 Lday - 60.5 Lnight - 47.6
2	Lmax	dBA	CPCB, Protocol for Ambient Level Noise Monitoring-2015	N/A	--	62.6
3	Lmin	dBA	CPCB, Protocol for Ambient Level Noise Monitoring-2015	N/A	--	38.0

Remarks : Requirement given as per CPCB Guidelines for ambient level Noise monitoring. Analysis start & completion date for Noise Monitoring refers to the field data computation, interpretation & compilation date.



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TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2023/WTR/01508
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 03/04/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 28/03/2023
KIND ATTENTION : Mr. Nabarun Ghosh	PAGE NO	: 01 of 02

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 28/03/2023	Sample Quantity Received	: 5000 ml
Sample Registration Date	: 29/03/2023	Sample Quantity Used	: 5000 ml
Sample Registration No	: EFRAC/2023/WTR/01508/01/WC/ 04959	Sample Submitted/Drawn by	: EFRAC
Sample Type	: ETP Outlet Water	Sampling Date	: 27/03/2023
Batch No	: Date of Sampling: 27.03.2023	Sampling Method	: APHA 23rd Edition 1060 B
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/03/2023	Analysis Completion Date	: 03/04/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	Chemical Oxygen Demand (COD)	mg/L	APHA 23rd Edition 5220 B	N/A	Max:250	97.04
2	Total Suspended Solids (TSS)	mg/L	APHA 23rd Edition 2540 D	N/A	Max:100	46
3	Oil & Grease	mg/L	APHA 23rd Edition 5520 B	N/A	Max:10	7
4	Biochemical Oxygen Demand (BOD)	mg/L	APHA 23rd Edition 5210 B & IS 3025 (Part 44) : 1993	N/A	Max:30	12
5	pH Value	—	APHA 23rd Edition 4500 H+ B	N/A	5.5 to 9.0	7.7

Remarks : Requirements given as per The Environment (Protection) Rules, 1986 schedule VI (Part A).



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TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd K-26, Phase-III, Industrial Growth Centre, Kalyani Kalyani - 741235 KIND ATTENTION : Mr. Nabarun Ghosh	REPORT NO : EFRAC/2023/WTR/01508 ISSUE DATE : 03/04/2023 CUSTOMER REF : TRF REF. DATE : 28/03/2023 PAGE NO : 02 of 02
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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters (Contd.)						
6	Bio-assay test	%Survival	IS 6582 (Part 2) : 2001	N/A	90% survival of fish after 96 hours in 100% effluent	100

Remarks : Requirements given as per The Environment (Protection) Rules, 1986 schedule VI (Part A).



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