

Form IV
(See Rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier health care facility(HCF), or common bio-medical waste treatment facility (CBWTF)]

Return No : 3303287

Period : 2022

I. Particulars of the Occupier	
(i) Name of the authorized person (Occupier or operator of facility):	Komal Dutta Dashora
(ii) Name of HCF or CBMWTF:	Medica Superspecialty Hospital
(iii) Address for Correspondence:	127, Mukundapur, E. M Bypass, Kolkata - 700099
(iv) Address of Facility:	Medica Superspecialty Hospital, 127, Mukundapur, E. M. Bypass, Kolkata - 700099
(v) Tel. No.:	9831256896
(vi) Fax. No.:	-
(vii) E-mail ID:	komal.dashora@medicasynergie.in
(viii) URL of Website:	www.medicahospitals.in
(ix) GPS coordinates of HCF of CBMWTF:	
(x) Ownership of HCF or CBMWTF:	Any Other
(xi) Status of Authorization under the BMW (Management and Handling) Rules:	Authorization No.: 10-28(BM)2594/2009 Valid Upto: 31/03/2027
(xii) Status of Consents under Water Act and Air Act.:	Valid Upto: 31/03/2027
2. Type of Health Care Facility	
HCF/CBMWTF Type:	HCF
(i) No. of Beds(for Bedded Hospital):	500.0
(ii) Non-Bedded Hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other):	
(iii) Licence Number:	34235980
(iv) Licence date of expiry:	10/01/2026
3. Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category: 5383.765 Red Category: 9356.788 White Category: 348.875 Blue Category: 1222.8125 General Solid Waste: 10522.82
4. Details of the Storage, Treatment, Transportation, Processing and Disposal Facility Details	
(i) Details of the on-site storage facility:	Size: 160 Capacity: 1500 Provision of on-site storage:

(ii) Disposal Facility:	<table border="1"> <tr> <th>Type of Treatment Equipment</th> <th>Number of Units</th> <th>Capacity(Kg/day)</th> <th>Quantity Treated or Disposed(Kg/annum)</th> </tr> <tr> <td colspan="4">List is Empty</td> </tr> </table>	Type of Treatment Equipment	Number of Units	Capacity(Kg/day)	Quantity Treated or Disposed(Kg/annum)	List is Empty			
Type of Treatment Equipment	Number of Units	Capacity(Kg/day)	Quantity Treated or Disposed(Kg/annum)						
List is Empty									
(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum:	0.0								
(iv) No of vehicles used for collection and transportation of BMW:	2								
(v) Details of incineration, ash and ETP sludge generated, disposal during the treatment of wastes in Kg per annum	<table border="1"> <tr> <th>Type of waste</th> <th>Quantity Generated</th> <th>Where disposal</th> </tr> <tr> <td colspan="3">List is Empty</td> </tr> </table>	Type of waste	Quantity Generated	Where disposal	List is Empty				
Type of waste	Quantity Generated	Where disposal							
List is Empty									
(vi) Name of the Common BMW Treatment Facility Operator through which wastes are disposed of:	Medicare								
5. Do you have BMW management committee:	no (a part of the HIC committee)								
6. Training Conducted on BMW Details									
(i) Number of training conducted on BMW Management:	24								
(ii) Number of personnel trained:	1500								
(iii) Number of personnel trained at the time of induction:	1000								
(iv) Number of personnel not undergone any training so far:	0								
(v) Whether standard manual for training is available:	yes								
(vi) Any other information:	All new joiners are trained at the time of induction.								
7. Details of the accident occurred									
(i) No. of accident occurred:	0								
(ii) Number of the persons affected:	0								
(iii) Remedial Action taken:	0								
(iv) Any Fatality occurred, details:	0								
8. Are you meeting the standards of air Pollution from the incinerator?. How many times in last year could not met the standards?:	0								
Details of Continuous online emission monitoring systems installed:	Annual Monitoring by Third Party- N.D. International								
9. Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year:	Annual Monitoring by Third Party - R.V. Briggs & Co. Pvt. Ltd.								
10. Is the disinfection method or sterilization meeting the log for standards? How many times you have not met the standards in a year?:	Yes standards being met. No failure.								
11. Any other relevant information:	DG Noise level checked and within limits.								


 Name and Signature of the Head of the Institution

Date :31/01/2023

Place : South Twenty Four Pgs



Monthly Summary

MONTH	YELLOW BAGS (nos)	YELLOW (Kgs)	RED BAGS (nos)	RED (Kgs)	BLUE BOX	BLUE (Kgs)	SHARP CONTAINER R(nos)	SHARP CONTAINER(Kgs)	BLACK (Kgs)
Jan-22	1413	3658.14	2352	7813.07	264	1294.97	310	576.02	8088.5
Feb-22	1625	4542.25	2540	8430.47	230	1111.23	238	422.96	9136
Mar-22	1569	4386.98	2993	9952.48	259	1272.32	275	395.96	10700.3
Apr-22	1920	5265.78	2680	9146	208	1019.24	243	385.36	9745.5
May-22	1964	5292.22	2621	8994.27	224	1101.55	212	295.69	9745.5
Jun-22	1630	4799.12	2626	9547.8	215	1049.77	198	303.13	10259
Jul-22	2410	7136.59	1937	7062.71	284	1384.58	252	418.3	10821.5
Aug-22	1966	5924.2	3017	10626.22	261	1271.57	250	361.14	11053
Sep-22	2103	6015.94	2920	10130.31	275	1336.74	248	395.5	11261
Oct-22	2004	5063.04	2779	8468.88	205	1519.52	247	363.6	11289
Nov-22	2481	5852.79	3684	11282.96	199	1174.79	111	125.08	12230.5
Dec-22	2573	6668.13	3808	10826.29	230	1137.47	127	143.77	11944
Total	23658	64605.18	33957	112281.46	2854	14673.75	2711	4186.51	126273.8
Average per month	1971.5	5383.765	2829.75	9356.78833	237.833333	1222.8125	225.9166667	348.8758333	10522.82



N.D. INTERNATIONAL

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An ISO 9001:2015 Company Certificate : 20DQHH82



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مركز الاعتمادات العالمي للمعايير
Emirates International Accreditation Centre
035-CB-QMS

TEST REPORT

Format No. : NDI/FM/90

Date: 17.01.2022

Page 1 of 1

Certificate No. FG(M)/21-22/2084

SAMPLE MONITORING BY US

Name of Company	: M/s Medica Super Speciality Hospital
Address	: 127, Mukundapur, E.M. Bypass, Kolkata-700099.
Sample Description	: Flue Gas Date & Time of sampling : 12.01.2022 at 13:15 P.M.
Equipment used	: Stack Monitoring Kit Test Completed on : 17.01.2022
Monitoring done by	: Mr. Prasanta Malik, Mr. Pritam Das & Mr. Sona Dutta.

A. General Information :

- 1 Stack connected to : DG Set No.- 01
- 2 Shape of Stack: : Circular
- 3 Material of construction of stack: M.S.
- 4 Whether stack is provided with permanent platform & ladder : Temporary Ladder
- 5 Emission due to: : Burning of Diesel
- 6 Generator capacity : 500 KVA

B. Physical characteristics:

- 1 Heights of the stack (a) from Ground level : 2.70 M (b) from Roof level : Not Available
- 2 Diameter of the stack(a) at bottom: : Not Available (b) at top : Not Available
- 3 Height of the sampling point from Ground level : 2.70 M
- 4 Diameter of the stack at sampling point : 0.27 M
- 5 Area of Stack : 0.0573 M²

C. Fuel Information:

- 1 Fuel used : Diesel
- 2 Fuel Consumption : 72 L/hr

Barometric Pressure (Pbar) mmHg: 758

D. Results of sampling and analysis of gaseous emission:

Sl. No.	Test Parameters	Test Method	Unit	Results	Norms as per Environmental Protection Act, 3rd Amendment rules 2002 for more than 800 KW
1	Temperature of emission	IS 11255 (Part 3): 1985	°C	155	Not Specified
2	Velocity of Gas in duct	IS 11255 (Part III):2008	m/sec	13.17	Not Specified
3	Quantity of gas flow	IS 11255 (Part III):2008	Nm ³ /hr	1726.40	Not Specified
4	Sulphur dioxide	IS 11255 (Part 2):1985	mg/Nm ³	85.0	Not Specified
5	Nitrogen dioxide	IS 11255(Part 7):2005	ppmv	58.43	710
6	Carbon monoxide	IS 13270:1992	mg/Nm ³	120.0	150
7	Carbon dioxide	IS 13270:1992	% (v/v)	6.2	Not Specified
8	Particulate Matters	IS 11255 (Part 1):1985	mg/Nm ³	35.0	75 (Max.)

Pollution Control Device attached with the stack: Nil

...END OF TEST REPORT...



For N.D. International

K.P. De - CEO
(Authorised Signatory)

1. The test report shall not be reproduced, except in full, without written approval of the company.
2. Results relate only to the parameters tested.
3. The remaining sample after test will be retained for 15 days from the date of issue of certificate.

IS:II





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An ISO 9001:2015 Company Certificate : 20DQHH82



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Eurobras International Accreditation Centre
035-CB-QMS

TEST REPORT

Certificate No. FG(M)/21-22/2083

SAMPLE MONITORING BY US

Format No. : NDI/FM/90

Date: 17.01.2022

Page 1 of 1

Name of Company : M/s Medica Super Speciality Hospital
 Address : 127, Mukundapur, E.M. Bypass, Kolkata-700099.
 Sample Description : Flue Gas Date & Time of sampling : 12.01.2022 at 12:10 P.M.
 Equipment used : Stack Monitoring Kit Test Completed on : 17.01.2022
 Monitoring done by : Mr. Prasanta Malik, Mr. Pritam Das & Mr. Sona Dutta.

A. General Information :

- 1 Stack connected to : DG Set No.- 02
- 2 Shape of Stack : Circular
- 3 Material of construction of stack : M.S.
- 4 Whether stack is provided with permanent platform & ladder : Temporary Ladder
- 5 Emission due to : Burning of Diesel
- 6 Generator capacity : 500 KVA

B. Physical characteristics:

- 1 Heights of the stack (a) from Ground level : 2.70 M (b) from Roof level : Not Available
- 2 Diameter of the stack(a) at bottom: : Not Available (b) at top : Not Available
- 3 Height of the sampling point from Ground level : 2.70 M
- 4 Diameter of the stack at sampling point : 0.27 M
- 5 Area of Stack : 0.0573 M²

C. Fuel Information:

- 1 Fuel used : Diesel
- 2 Fuel Consumption : 72 L/hr

Barometric Pressure (Pbar) mmHg: 758

D. Results of sampling and analysis of gaseous emission:

Sl. No.	Test Parameters	Test Method	Unit	Results	Norms as per Environmental Protection Act, 3rd Amendment rules 2002 for more than 800 KW
1	Temperature of emission	IS 11255 (Part 3): 1985	°C	142	Not Specified
2	Velocity of Gas in duct	IS 11255 (Part III):2008	m/sec	12.18	Not Specified
3	Quantity of gas flow	IS 11255 (Part III):2008	Nm ³ /hr	1693.47	Not Specified
4	Sulphur dioxide	IS 11255 (Part 2):1985	mg/Nm ³	75.0	Not Specified
5	Nitrogen dioxide	IS 11255(Part 7):2005	ppmv	53.57	710
6	Carbon monoxide	IS 13270:1992	mg/Nm ³	115.0	150
7	Carbon dioxide	IS 13270:1992	% (v/v)	6.0	Not Specified
8	Particulate Matters	IS 11255 (Part 1):1985	mg/Nm ³	32	75 (Max.)

Pollution Control Device attached with the stack: Nil

...END OF TEST REPORT...



For N.D. International

K.P. De - CEO
(Authorised Signatory)

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TEST REPORT

Certificate No. NL(M)/21-22/2085 & 2086
SAMPLE MONITORING BY US

Format No. : NDI/FM/87.

Dated - 17.01.2022

Page -1 of

Name of Client : M/s Medica Super Speciality Hospital.
Address : 127, Mukundapur, E.M. Bypass, Kolkata-700099.
Description of Sample : DG Noise Level
Monitoring on : 12.01.2022
Monitoring done by : Mr. Prasanta Malik, Mr. Pritam Das & Mr. Sona Dutta.
Analysis Started on : 13.01.2022
Analysis Completed on : 15.01.2022

TEST FINDINGS :

Sl. No.	Sample ID No.	Location	Time	Noise Level in dB (A)			
				L _{min}	L _{max}	L _{eq}	Limit
1	NL(M)/2085	DG Set No.-2 -500 KVA (at 1 mt. distance from enclosure surface)	12:20 P.M. To 12:30 P.M.	73.30	74.40	73.94	75 dB (A)
2	NL(M)/2086	DG Set No.-1 -500 KVA (at 1 mt. distance from enclosure surface)	13:25 P.M. To 13:35 P.M.	71.50	72.90	72.09	

Limit as per Environment (Protection) Second Amendment Rules Under The Environment (Protection) Act, 1986 shall be 75 dB (A) at 1 metre from the enclosure surface.

...END OF TEST REPORT...



For N.D. International

K.P. De - CEO
(Authorised Signatory)

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An ISO 9001:2015 Company Certificate : 20DQHH82



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035 CB-QMS

TEST REPORT

Certificate No. NL(M)/21-22/2085 & 2086
SAMPLE MONITORING BY US

Format No. : NDI/FM/87.

Dated - 17.01.2022

Page -1 of

Name of Client : M/s Medica Super Speciality Hospital.
Address : 127, Mukundapur, E.M. Bypass, Kolkata-700099.
Description of Sample : DG Noise Level
Monitoring on : 12.01.2022
Monitoring done by : Mr. Prasanta Malik, Mr. Pritam Das & Mr. Sona Dutta.
Analysis Started on : 13.01.2022
Analysis Completed on : 15.01.2022

TEST FINDINGS :

Sl. No.	Sample ID No.	Location	Time	Noise Level in dB (A)			
				L _{min}	L _{max}	L _{eq}	Limit
1	NL(M)/2085	DG Set No.-2 -500 KVA (at 1 mt. distance from enclosure surface)	12:20 P.M. To 12:30 P.M.	73.30	74.40	73.94	75 dB (A)
2	NL(M)/2086	DG Set No.-1 -500 KVA (at 1 mt. distance from enclosure surface)	13:25 P.M. To 13:35 P.M.	71.50	72.90	72.09	

Limit as per Environment (Protection) Second Amendment Rules Under The Environment (Protection) Act, 1986 shall be 75 dB (A) at 1 metre from the enclosure surface.

...END OF TEST REPORT...



For N.D. International

K.P. De - CEO
(Authorised Signatory)

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IS-II





R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS
(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

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E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007



TC-7815

TEST REPORT

No. E(D)/22-23/1061

Date: 10 January 2023

Page 1 of 2

Issued to : MEDICA SUPER SPECILITY HOSPITAL
127, E.M. Bypass, Kolkata – 700099
Description of Sample : Effluent
Collection Source : STP Inlet
Sample Drawn by us on : 05.01.2023 at 2.40 P.M.
Analysis completed on : 09.01.2023


Parameter Tested:
pH, TSS, BOD and COD


Sample collection Procedure : IS : 3025 (Part -I) - 1987
Mode of Sampling : Grab
Sample condition during sampling : Temperature : 22.5°C, Transported in Ice box

TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Results
1	pH Value	APHA 23rd edition-4500H+B	...	7.04
2	Total Suspended Solids (TSS)	APHA 23rd edition 2540D	mg/l	60
3	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	I.S. 3025 (Part – 44) – 1993	mg/l	48
4	Chemical Oxygen Demand (COD)	APHA 23rd edition 5220B	mg/l	166

:- END OF TEST REPORT:-


Report Verified by
(J. Das)


(Dr. R. KARIM)
Technical Manager
Authorised Signatory

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- * Results relate only to the parameters tested.





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E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TEST REPORT

No. E(D)/22-23/1062

Date: 10 January 2023

Page 1 of 2

Issued to : MEDICA SUPER SPECILITY HOSPITAL
127, E.M. Bypass, Kolkata - 700099
Description of Sample : Effluent
Collection Source : STP Outlet
Sample Drawn by us on : 05.01.2023 at 2.45 P.M.
Analysis completed on : 09.01.2023

Parameter Tested:
pH, TSS, BOD and COD

Sample collection Procedure : IS : 3025 (Part -I) - 1987
Mode of Sampling : Grab
Sample condition during sampling : Temperature : 22°C, Transported in Ice box

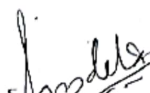
TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Results	Limit as per Environmental Protection Act, MOE & F for Effluent discharged into Inland surface water
1	pH Value	APHA 23rd edition-4500H+B	...	7.26	5.5 - 9.0
2	Total Suspended Solids (TSS)	APHA 23rd edition 2540D	mg/l	< 10	100 (Max.)
3	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	I.S. 3025 (Part - 44) - 1993	mg/l	9.4	30 (Max.)
4	Chemical Oxygen Demand (COD)	APHA 23rd edition 5220B	mg/l	32	250 (Max.)

Remarks : The sample of Effluent complies with Environmental Protection Act, MOE & F for effluent discharged into Inland Surface water in respect of above mentioned parameters.

Note: Minimum Detection Limit of TSS .. 10 mg/l.

-; END OF TEST REPORT;-


Report Verified by
(J. Das)


(Dr. R. KARIM)
Technical Manager
Authorised Signatory

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