

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 of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or : operator of facility)	:	Komal Dutta Dasgupta
	(ii) Name of HCF or CBMWTF	:	
	(iii) Address for Correspondence	:	Medica Superspecialty Hospital 127, Mukundapur
	(iv) Address of Facility	:	EM Bypass Kol - 99
	(v) Tel. No, Fax. No	:	033 - 66520000
	(vi) E-mail ID	:	contactus@medicahospitals.in
	(vii) URL of Website	:	www.medicahospitals.in
	(viii) GPS coordinates of HCF or CBMWTF	:	
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other)
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: 09125(0M)25941.2009..... Valid upto: 31/12/2023
	(xi). Status of Consents under Water Act and Air Act	:	Valid upto: 31/12/2023
2	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds: 414
	(ii) Non-bedded hospital	:	
	Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	NA
	(iii) License number and its date of expiry	:	
3	Details of CBMWTF	:	
	(i) Number of health care facilities covered by CBMWTF	:	
	(ii) No. of Beds covered by CBMWTF	:	
	(iii) Installed treatment and disposal capacity of CBMWTF;	:	_____ Kg / day
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	:	_____ Kg / day
4	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)	:	Yellow Category: 3682.554 kg per Month Red Category: 7567.357 kg per Month White: 388.5383 kg per Month Blue Category: 635.555 kg per Month General Solid Waste: 7746.642 kg per Month
5	Details of the Storage, Treatment, Transportation, Processing and Disposal Facility	:	
	(i) Details of the on-site storage	:	Size: 160 Sqft

	facility		Capacity: 48 hours			
			Provision of on-site storage : (Cold storage or any other provision)			
	(ii) Disposal facilities		Type of treatment equipment	No of Units	Capacity Kg/day	Quantity Treated or disposed in kg per annum
			Incinerators	Nil		
			Plasma Pyrolysis	Nil		
			Autoclaves	Nil		
			Microwave	Nil		
			Hydroclave	Nil		
			Shredder	Nil		
			Needle tip cutter or destroyer	HUB Cutter		
			Sharps		PPC container	
			Encapsulation or concrete pit	Nil		
			Deep burial pits	Nil		
			Chemical disinfection:			
			Any other treatment equipment:	Sodium Hypochlorite		
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in Kg per annum	:	Red Category (like plastic, glass, etc.)			
			Nil			
	(iv) No. of Vehicles used for collection and transportation of biomedical waste	:	By Medicare - Authorized Agency by WBPCB			
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum			Quantity Generated	Where disposed	
			Incineration		} Not Applicable	
			Ash			
			ETP Sludge			
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of		Medicare			
	(vii) List of member HCF not handed over bio-medical waste.		NA			
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		Yes It is a part of the Hospital Infection control committee & all points of BMW discussed as fixed agenda there.			

7	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management	2 class per month
	(ii) Number of personnel trained	538 staff
	(iii) Number of personnel trained at the time of Induction	All new joiners trained at the time of Induction
	(iv) Number of personnel not undergone any training so far	Nil
	(v) Whether standard manual for training is available?	yes
8	Details of the accident occurred during the year	
	(i) Number of Accidents occurred	01 NSI
	(ii) Number of persons affected	
	(iii) Remedial Action taken (Please attach details if any)	
	(iv) Any Fatality occurred, details	NONE
9	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	NA
	Details of Continuous online emission monitoring systems installed	Annual monitoring by third party (Report enclosed) Annexure - 2
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	SIP (Report enclosed) Annexure - 2
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	yes
12	Any other relevant information	(Air Pollution Control Devices attached with the Incinerator) NA

Certified that the above report is for the period from

...January 2021 to December 2021...



Name and Signature of the Head of the Institution

Medica Superspecialty Hospital
127, Mukundapur, Embaypara
Kolkata - 700099

Date: 8/3/22
Place: Kolkata

Monthly summary

MONTH	YELLOW BAGS (nos.)	YELLOW (kgs)	RED BAGS (nos.)	RED (kgs)	BLUE BOX (nos.)	BLUE (kgs)	SHARP CONTAINER (nos.)	SHARP CONTAINER (kgs)	BLACK (kgs)
Jan-21	1542	3375.43	2423	8235.89	152	740.46	164	323.52	7166.9
Feb-21	1378	3539.29	2121	7365.1	148	703.48	156	282.96	7229.5
Mar-21	1943	5939.24	2950	10703.41	209	1021.98	213	352.88	7694
Apr-21	221	470.87	431	1482.61	25	129.42	39	78.98	5738
May-21	460	1012.63	748	2744.03	56	297.22	63	129.92	4046.5
Jun-21	1040	2407.4	1438	5281.69	76	363.52	109	190.15	6373.5
Jul-21	1407	3635.85	2186	8026.28	134	646.77	142	311.84	8401
Aug-21	2100	4762.21	2944	8876.19	215	431.25	234	986.83	9421
Sep-21	2034	4590.42	2985	9705.82	181	777.25	232	405.57	9168
Oct-21	1850	4502.37	2664	9570.05	134	460.43	208	759.88	8433
Nov-21	1956	5059.37	2815	9342.43	430	990.35	241	431.18	9100.8
Dec-21	1878	4895.57	2931	9474.78	215	1064.53	242	408.75	10187.5
Total	17809	44190.65	26636	90808.28	1975	7626.66	2043	4662.46	92959.7
Average per month	1484.1	3682.6	2219.7	7567.4	164.6	635.6	170.3	388.5	7746.6

Dr.Soumen Saha <soumen.saha@medicasynergie.in>

Sun, Apr 25, 2021,
10:34 PM

to Amiya, Subhendu, Dr.Mithilesh, Ratna, Sr. Anita, Apurba, Arpan, Sutanu, Dipanjan, me, Saurabh, Quality, Infection, Kajori, Udipta, Pradeepta, Anju, Sunandan, Ranvijay, Sudeshna, Shobha, Arun, Biomedical, Dipika, Prachi, Prachi, Tridipto, Dr.(Col), Amitabha, Dr.Tanmoy, Aruna, Chairman, Dr, Soma, Dr, Dr, Dr.Kunal, (Dr.), Aviral, Amit, Anirban, Sudhanshu, Abhijit, Lopa, Gandharv, Madhumita, Dr.Barun, Chandrima, Dr.Shilpita, Ashok, Sudhanshu

Dear All

Please find the minutes of HICC meeting held on 19.04.2021

Date of Meeting: 19th April 2021

Time: 2:30 PM onwards

Location: Board Room(via Zoom meeting)

Agenda:

- Presentation of HIC indicator
- Restricted antimicrobial form issues
- PPE Usage policy
- BMW data presentation

All mandatory Infection Control indicators monitored and analysed were presented to the Committee members and the following decisions were made.

Sl. No.	Points of discussion	Responsibility	Timeline
7.	BMW data presentation: There has been an increase in BMW. This was explained by the fact COVID waste has increased in much quantity and COVID vaccination waste has also been added. It has been advised to keep a close eye.	HIC	Continuous

Prepared by:

Dr. Soumen Saha (ICO)

Approved by:

Dr. Amitabha Saha(Chairperson)



Dr. Soumen Saha

Medica Superspecialty Hospital, Medica Hospitals Pvt. Ltd.,
Junior Consultant (Microbiology)
Infection Control Officer

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Dear All

Please find the minutes of HICC meeting held on 27.07.2021

Date of Meeting: 27th July 2021

Time: 2:30 PM onwards

Location: Conference room

Agenda:

- ☐ Presentation of HIC indicator
- ☐ Link Nurse: requirement of the hour
- ☐ HIC news bulletin
- ☐ BMW data presentation

All mandatory Infection Control indicators monitored and analysed were presented to the Committee members and the following decisions were made.

Sl. No.	Points of discussion	Responsibility	Timeline
8.	BMW data presentation: BMW data showing decrease in amount of generation in all categories as COVID waste is again being increased and data maintained separately.	HK/HIC	Continuous

Prepared by:

Dr. Soumen Saha (ICO)

Approved by:

Dr. Amitabha Saha (Chairperson)

Thanks & Regards.



Dr. Soumen Saha

Medica Superspecialty Hospital, Medica Hospitals Pvt. Ltd.,
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Dear All
Please find the minutes of HICC meeting held on 16.08.2021
Date of Meeting: 16th August 2021

Time: 2:30 PM onwards

Location: Conference room

Agenda:

- ☐ Presentation of HIC indicator
- ☐ Restricted antimicrobial form issue
- ☐ Restricted antimicrobial policy revision
- ☐ BMW data presentation

All mandatory Infection Control indicators monitored and analysed were presented to the Committee members and the following decisions were made.

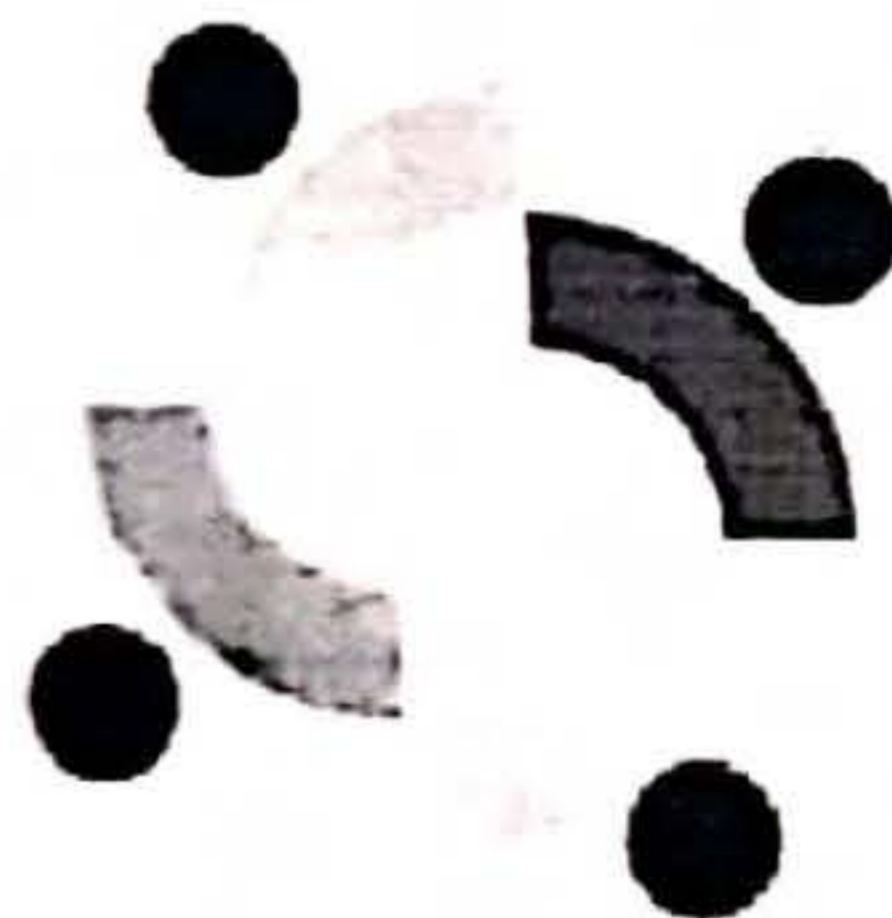
Sl. No.	Points of discussion	Responsibility	Timeline
7.	BMW data presentation: Amount of BMW generated in the last month shows an upward trend. It was suggested to keep an eye if there is any scope of improvement. Overall BMW handling practice is acceptable.	HK/HIC	Continuous

Prepared by:

Dr. Soumen Saha (ICO)

Approved by:

Dr. Amitabha Saha (Chairperson)



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Dear All
Please find the minutes of HICC meeting held on 20.12.2021
Date of Meeting: 20th December 2021

Time: 2:30 PM onwards

Location: Virtual meeting (via ZOOM)

Agenda:

- Presentation of HIC indicator
- Discussion on HIC goal plans of 2021
- Customized BMW poster and separate BMW committee
- BMW data presentation

All mandatory Infection Control indicators monitored and analysed were presented to the Committee members and the following decisions were made.

Sl. No.	Points of discussion	Responsibility	Timeline
5.	Customized BMW poster: It was proposed that we should prepare our own bilingual BMW poster, instead of purchasing from the CBWTF vendor. Sample poster has also been shared by NS Mr. Anju George Thompson. It was appreciated by the committee. Customized poster shall be forwarded for translation in Bengali and will be circulated when available.	HIC/ Nursing/ Branding	Priority
6.	Separate BMW committee: Proposal for a separate, independent BMW committee was given. The idea being more focused surveillance and planning regarding BMW handling. Also to look for areas of improvement. Structure of the committee needs to be confirmed and they shall meet at least twice in a year. Dr. R N Basu Sir suggested taking the FMS Department in the loop in this regard. Committee has agreed with the idea. Separate meetings with Med Admin shall be conducted to confirm the structure and further actions.	HIC/ Nursing/ FMS/ Med Admin	Priority
7.	BMW DATA PRESENTATION Weight of BMW generated was almost similar to last month, except for a small increase in yellow category weight. The Committee has requested to look further for improvement areas.	HIC	Continuous

Prepared by:

Approved by:

Dr. Soumen Saha (ICO)

Dr. Amitabha Saha (Chairperson)



Dr. Soumen Saha

Senior Superintending Hospital, Medica Hospitals Pvt. Ltd.,
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Date of Meeting: 30th October 2021

Time: 2:30 PM onwards

Location: Virtual meeting (via ZOOM)

Agenda:

- ☐ Presentation of HIC indicator
- ☐ Review on pre employment health check up
 - • Serology screening method
 - • HBV antibody titre check inclusion
 - • Latex allergy test inclusion

- ☐ BMW data presentation

All mandatory Infection Control indicators monitored and analysed were presented to the Committee members and the following decisions were made.

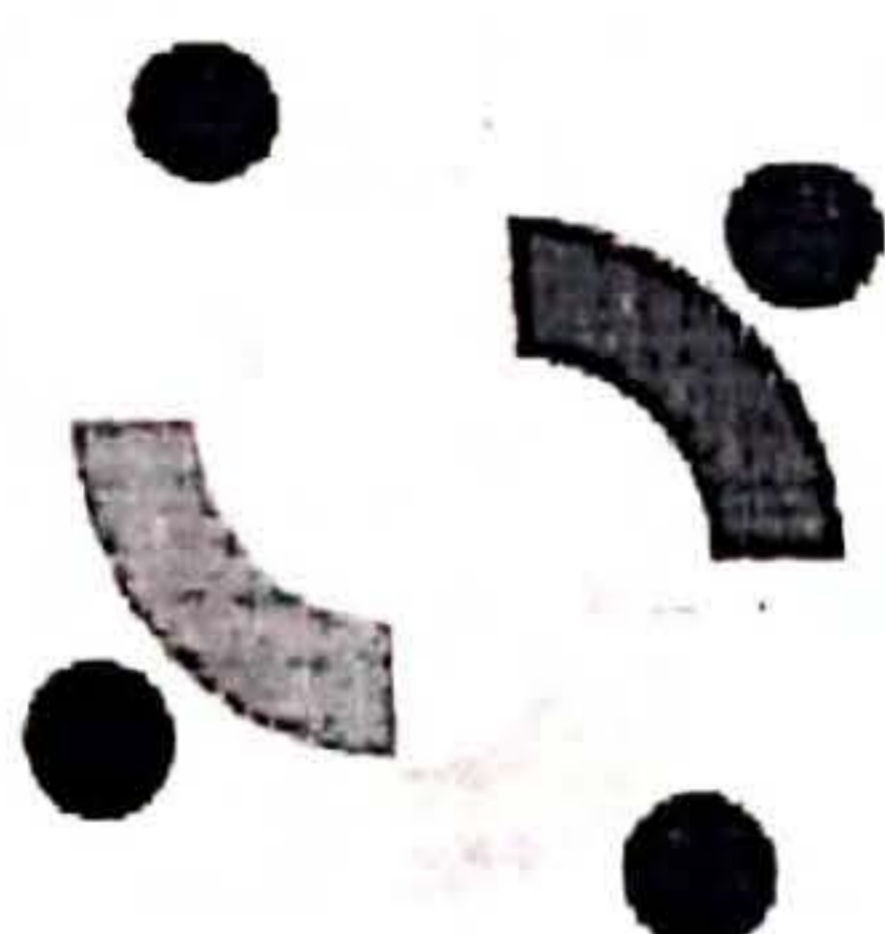
Sl. No.	Points of discussion	Responsibility	Timeline
5.	BMW DATA PRESENTATION Amount of BMW generated in the last month shows a downward trend. Most departments are emptying plastic bags containing liquid before discarding. HIC team & Nursing departments are continuously sensitizing the staffs for doing this practice.	Nursing/ HIC	Continuous

Prepared by:

Dr. Soumen Saha (ICO)

Approved by:

Dr. Amitabha Saha (Chairperson)



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**N.D. INTERNATIONAL**

GOVERNMENT REGISTERED

An ISO 9001:2015 Company Certificate : 20DQHH82

**TEST REPORT**

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

Format No. : NDI/FM/90

SAMPLE MONITORING BY US

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)

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



N.D. INTERNATIONAL

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An ISO 9001:2015 Company Certificate : 20DQHH82



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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)

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IS:II



N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company Certificate : 20DQHH82



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International Accreditation Cent.
035-CB-QMS

TEST REPORT

Certificate No. NL(M)/21-22/2085 & 2086

SAMPLE MONITORING BY US

Format No. : NDI/FM/87A

Dated - 17.01.2022

Page -1 of 1

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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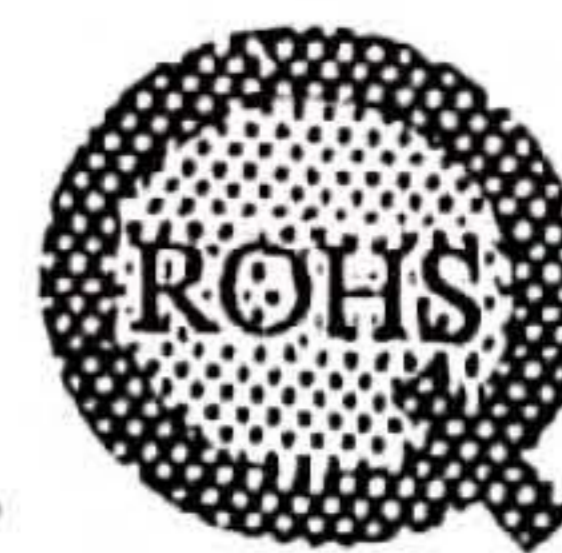
IS-11



N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company Certificate : 20DQHH82



TEST REPORT

Certificate No.: E(D)-(NN)/21-22/1809

Date: 04.10.2021

SAMPLE DRAWN BY US :

Page 1 of 1

Name of Customer : M/s. Medica Superspeciality Hospital
 Address : 127, Mukundapur, E.M. By Pass, Kolkata-700 099
 Description of Sample : Effluent Water
 Collection Source : STP Outlet
 Sample Drawn on : 27.09.2021
 Sampling Done by : Mr. Shib Sankar Sardar
 Environmental Condition : Temperature : 34°C, Humidity : NA
 Sample Received on : 28.09.2021
 Analysis Completed on : 04.10.2021
 Method of Sampling : IS : 3025 (Part - 1) 1987 (Reaffirmed 2019) & NDI/FM/52A
 Mode of Sampling : Grab

A. PHYSICAL TEST FINDINGS:

Sl. No.	Test parameters	Test Method	Unit	Result
1	Temperature	APHA 23rd Edn, 2550-B	°C	26

B. CHEMICAL TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Result	Limit As per Environmental Protection Act. (MOE & F) for Effluent discharge into inland surface water
1	pH at 25°C	APHA 23rd Edn, 4500 H ⁺ B	---	8.2	5.5 - 9.0
2	Total Suspended Solids	APHA 23rd Edn, 2540 D	mg/L	<5	100 mg/L (max)
3	Oil & Grease	APHA 23rd Edn, 5520 D	mg/L	<2	10 mg/L (max)
4	Biochemical Oxygen Demand at 27°C for 3 days	IS 3025 (Part - 44) 1993 RA 2003	mg/L	18	30 mg/L (max)
5	Chemical Oxygen Demand	APHA 23rd Edn, 5220 B	mg/L	52	250 mg/L (max)

Remarks : Satisfactory for the above tested parameters.

...End of Test Report...



For N.D. International

K. P. De - CEO
(Authorised Signatory)

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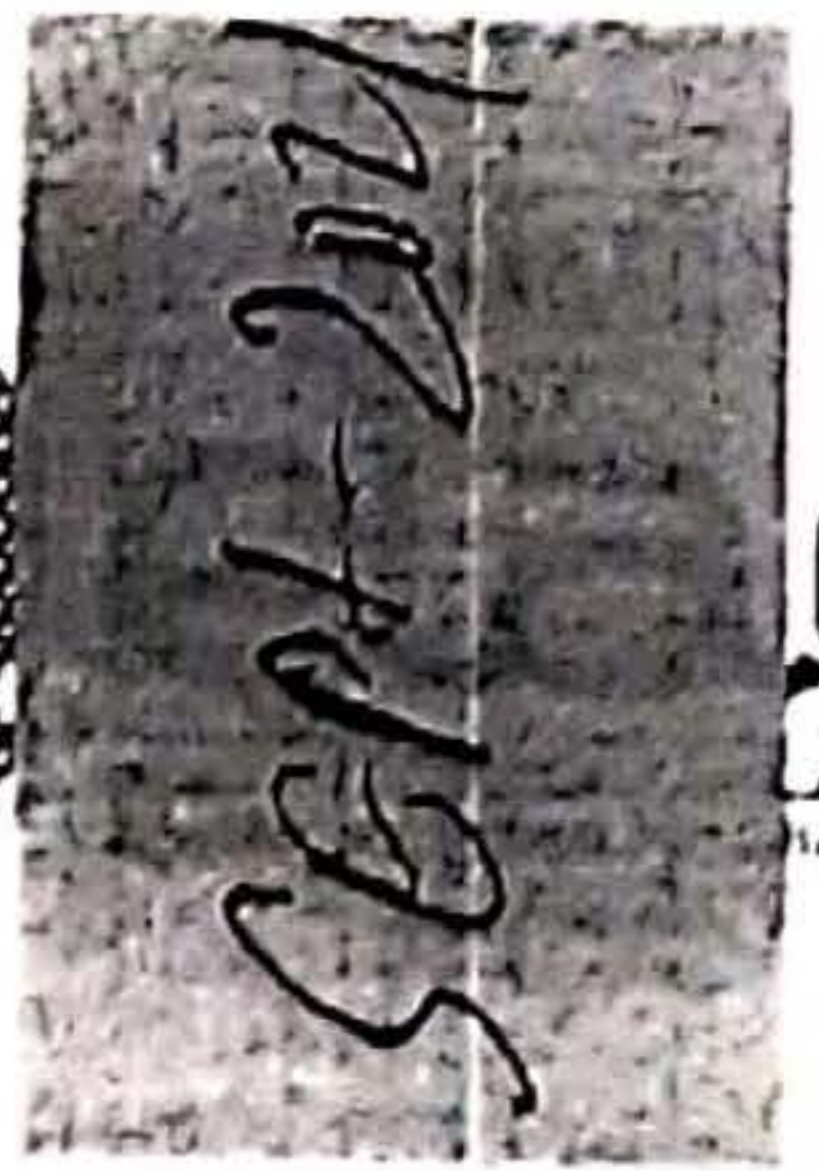
MB-II



N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001:2015 Company Certificate : 20DQHH82



TEST REPORT

Certificate No.: E(D)-(NN)/21-22/1808

Date: 04.10.2021

SAMPLE DRAWN BY US :

Page 1 of 1

Name of Customer : M/s. Medica Superspeciality Hospital
Address : 127, Mukundapur, E.M. By Pass, Kolkata-700 099
Description of Sample : Effluent Water
Collection Source : STP Inlet
Sample Drawn on : 27.09.2021
Sampling Done by : Mr. Shib Sankar Sardar
Environmental Condition : Temperature : 34°C, Humidity : NA
Analysis Started on : 27.09.2021
Analysis Completed on : 04.10.2021
Method of Sampling : IS : 3025 (Part - 1) 1987 (Reaffirmed 2019) & NDI/FM/52A
Mode of Sampling : Grab

A. PHYSICAL TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Result
1	Temperature	APHA 23rd Edn, 2550-B	°C	26

B. CHEMICAL TEST FINDINGS:

Sl. No.	Test Parameters	Test Method	Unit	Result
1	pH at 25°C	APHA 23rd Edn, 4500 H ⁺ B	---	7.8
2	Total Suspended Solids	APHA 23rd Edn, 2540 D	mg/L	12.5
3	Oil & Grease	APHA 23rd Edn, 5520 D	mg/L	5.8
4	Biochemical Oxygen Demand at 27°C for 3 days	IS 3025 (Part - 44) 1993 RA 2003	mg/L	36
5	Chemical Oxygen Demand	APHA 23rd Edn, 5220 B	mg/L	75

...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.

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