

**Form - IV**  
**(See rule 13)**  
**ANNUAL REPORT**

[To be submitted to the prescribed authority on or before 30<sup>th</sup> 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 authorised person (occupier or operator of facility)	:	Komal Dutta Dashora
	(ii) Name of HCF or CBMWTF	:	
	(iii) Address for Correspondence	:	Medica Superspecialty Hospital 123, Mukundapur
	(iv) Address of Facility	:	EM Bypass Kol - 99
	(v) Tel. No, Fax. No	:	093-66520000
	(vi) E-mail ID	:	Contact us @medicahospital.in
	(vii) URL of Website	:	www.medicahospital.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 Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: 6-3-1089119211..... 1-10-2019....valid up to 30-9-2020
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to:
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds: 900
	(ii) Non-bedded hospital	:	NA
	(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	
	(iii) License number and its date of expiry	:	*
3.	Details of CBMWTF	:	NA
	(i) Number healthcare facilities covered by CBMWTF	:	
	(ii) No of beds covered by CBMWTF	:	
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	_____ Kg per day

\* 2019 Grant of Authorisation: No: 09/25(BM)-2594/2009 - upto 31/12/2023

(B) Consent to operate: No: 10/25/CON(BM)-2595/2009 upto 31/12

(C) Consent to establish (Noe): 18/25/CFE(BM)-2127/2007

	(iv) Quantity of biomedical 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 : 4207.915 kg per month Red Category : 8256.064 kg per month White: 339.1283 kg per month Blue Category : 1168.989 kg per month General Solid waste: 7200.865 kg per month		
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility				
	(i) Details of the on-site storage facility :	Size :	160 Sq.ft		
		Capacity :	48 hours		
		Provision of on-site storage :	(cold storage or any other provision)		
	(ii) Details of the treatment or 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			
		Microwave	Nil		
		Hydroclave			
		Shredder			
		Needle tip cutter or destroyer (Sharp Cutter)			
		Sharps encapsulation or concrete pit			
		Deep burial pits:			
		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 CSR			
	(v) Details of incineration ash and ETP sludge generated and disposed :	Quantity generated	Where disposed		

	during the treatment of wastes in Kg per annum	Incineration Ash ETP Sludge	} Not Applicable
	(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.		
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 per agenda here.	
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.	3 classes per Month	
	(ii) number of personnel trained	All New joiners trained at the time of induction.	
	(iii) number of personnel trained at the time of induction	200/	
	(iv) number of personnel not undergone any training so far	Nil	
	(v) whether standard manual for training is available?	Yes	
	(vi) any other information)	Nil	
8	Details of the accident occurred during the year	Nil	
	(i) Number of Accidents occurred	Nil	
	(ii) Number of the persons affected	Nil	
	(iii) Remedial Action taken (Please attach details if any)	NA	
	(iv) Any Fatality occurred, details.	NA	
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	Yes	
	Details of Continuous online emission monitoring systems installed	Annual monitoring by third party (Report enclosed) Annexure - 1	
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	STP (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?		NA
12	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period from

.....  
*January 2019 to December 2019*  
 .....

Name and Signature of the Head of the Institution

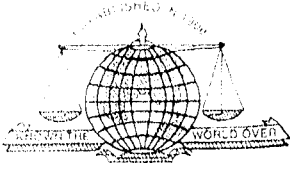
Date: 25.01.2020

Place KOLKATA



KOMAL DUTTA DASHORA

Medical Super-specialty Hospital  
 127, Mukundapur, Embaypur, Kolkata



# R. V. BRIGGS & CO. PRIVATE LTD.

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

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Ph. : 2248-3661/2698/7803, 2262-4153/4154, Fax : 33 2248-0447

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

CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. 10015

## TEST REPORT

No. AP-SL/19-20/210-211

Date: June 24, 2019

Page 1 of 1

Issued to : M/S. MEDICA HOSPITALS PVT. LTD.  
Address : 127, Mukundapur, E.M. Bypass, Kolkata- 700099.  
Your Ref. : W.O. No.: 20/MD01/WOHD/100122, dtd. 15.06.2019  
Date of Monitoring : 20.06.2019

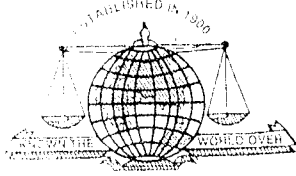
### SOUND LEVEL MONITORING FOR DG SETS :

Sl No	Location	TIME	Noise Level in dB(A)			Insertion Loss	Norms as per CPCB
			L <sub>Min</sub>	L <sub>Max</sub>	L <sub>eq</sub>		
01	0.5 mt. away from the shutter of DG Room When DG Set # 1 (500 KVA) is Running and Shutter is Open	03:30 pm.-03:35 pm.	94.5	97.2	96.1	26.0	Minimum 25 dB(A) Insertion Loss
	When Shutter is Closed	03:40 pm.-03:45 pm.	69.8	71.1	70.1		
02	0.5 mt. away from the shutter of DG Room When DG Set # 2 (500 KVA) is Running and Shutter is Open	04:05 pm.-04:10 pm.	95.6	98.5	96.9	25.8	Minimum 25 dB(A) Insertion Loss
	When Shutter is Closed	04:15 pm.-04:20 pm.	70.4	71.8	71.1		

Note : - Leq - Equivalent sound energy.

( J. MUKHERJEE )  
Quality Manager

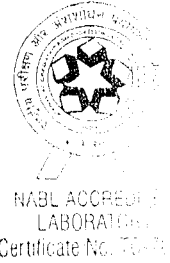
Authorised Signatory  
For R.V.BRIGGS & CO. (P) LTD



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



## TEST REPORT

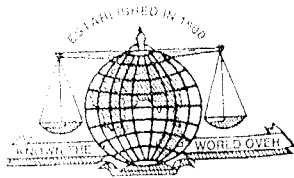
No. AP-FG/19-20/176

Date: June 24, 2019

Page 1 of 1

Issued to	: M/S. MEDICA HOSPITALS PVT. LTD.				
Address	: 127, Mukundapur, E.M. Bypass, Kolkata- 700099.				
Your W.O. No.	: 20/MD01/WOHD/100122, dtd. 15.06.2019		Test Completed on : 22.06.2019		
Sample Description	: Stack Gas				
Date & time of sampling	: 20.06.2019 at 02:10 P.M.				
<b>A. General information about stack :</b>					
1. Stack connected to	: Diesel Generator - 1				
2. Emission due to	: Burning of H.S.D				
3. Material of construction of stack	: M.S.				
4. Shape of stack	: Circular.				
5. Whether stack is provided with permanent platform & ladder	: Sample was taken from roof top.				
6. Generator capacity	: 500 KVA				
<b>B. Physical characteristics of stack :</b>					
1. Height of the stack	(a) from ground level : 7.5 M (Approx)	(b) from roof level : ---			
2. Diameter of the stack	(a) at bottom : ---	(b) at top : ---			
3. Diameter of the stack at sampling point	: 0.25 M (Approx)				
4. No. of Traverse point	: 4 Nos.				
5. Height of the sampling point from GL	: 5.0 M (Approx)				
<b>C. Analysis / Characteristic of stack :</b>					
1. Fuel used	: H.S.D		2. Fuel consumption : 76 Lt./hr.		
<b>D. Results of sampling &amp; analysis of gaseous emission :</b>			Barometric pressure : 752 mmHg		
Sl No	Test Parameters	Test Method	Unit	Results	Norms as per Environment (Protection) 3rd Amendment Rules 2013, for 75 kw- ≤ 800 kw
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	115	N.A
2.	Velocity of gas in duct	IS 11255:Part 3:2008 RA 2010 (1 <sup>st</sup> Rev.)	m/sec	9.27	N.A
3.	Quantity of gas flow	IS 11255:Part 3:2008 RA 2010 (1 <sup>st</sup> Rev.)	NM <sup>3</sup> /hr	1208	N.A
4.	Sulphur dioxide	IS 11255 : Part 2 : 1985 RA 2009	mg/Nm <sup>3</sup>	129.0	N.A
5.	Oxides of Nitrogen	IS 11255 : Part 7 : 2005 RA 2012	mg/Nm <sup>3</sup>	98.0	N.A
			gm/kw-hr	0.30	4.0
6.	Carbon monoxide	IS 11255 : Part 1 : 1985 By Orsat	mg/Nm <sup>3</sup>	127	N.A
			gm/kw-hr	0.38	3.5
7.	Carbon dioxide	IS 11255 : Part 1 : 1985 By Orsat	% v/v	6.2	N.A
8.	Particulate Matters	IS 11255 : Part 1 : 1985 RA 2009	mg/Nm <sup>3</sup>	32	N.A
			gm/kw-hr	0.10	0.2
<b>E. Pollution control device</b>					
Details of pollution control devices attached with the stack : Nil.					

( J. MUKHERJEE )  
Quality Manager  
Authorised Signatory



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CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. T-1000

## TEST REPORT

No. AP-FG/19-20/177 Date: June 24, 2019 Page 1 of 1

Issued to		: M/S. MEDICA HOSPITALS PVT. LTD.			
Address		: 127, Mukundapur, E.M. Bypass, Kolkata- 700099.			
Your W.O. No.	: 20/MD01/WOHD/100122, dtd. 15.06.2019				
Sample Description	: Stack Gas			Test Completed on : 22.06.2019	
Date & time of sampling	: 20.06.2019 at 03:50 P.M.				
<b>A. General information about stack :</b>					
1. Stack connected to	: Diesel Generator - 2				
2. Emission due to	: Burning of H.S.D				
3. Material of construction of stack	: M.S.				
4. Shape of stack	: Circular.				
5. Whether stack is provided with permanent platform & ladder	: Sample was taken from roof top.				
6. Generator capacity	: 500 KVA				
<b>B. Physical characteristics of stack :</b>					
1. Height of the stack	(a) from ground level : 7.5 M (Approx)	(b) from roof level : ---			
2. Diameter of the stack	(a) at bottom : ---	(b) at top : ---			
3. Diameter of the stack at sampling point	: 0.25 M (Approx)				
4. No. of Traverse point	: 4 Nos.				
5. Height of the sampling point from GL	: 5.0 M (Approx)				
<b>C. Analysis / Characteristic of stack :</b>					
1. Fuel used	: H.S.D		2. Fuel consumption : 76 Lt./hr.		
			Barometric pressure : 752 mmHg		
<b>D. Results of sampling &amp; analysis of gaseous emission :</b>					
Sl No	Test Parameters	Test Method	Unit	Results	Norms as per Environment (Protection) 3rd Amendment Rules 2013, for 75 kw- ≤ 800 kw
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	122	N.A
2.	Velocity of gas in duct	IS 11255:Part 3:2008 RA 2010 (1 <sup>st</sup> Rev.)	m/sec	5.64	N.A
3.	Quantity of gas flow	IS 11255:Part 3:2008 RA 2010 (1 <sup>st</sup> Rev.)	NM <sup>3</sup> /hr	722	N.A
4.	Sulphur dioxide	IS 11255 : Part 2 : 1985 RA 2009	mg/Nm <sup>3</sup>	136.0	N.A
5.	Oxides of Nitrogen	IS 11255 : Part 7 : 2005 RA 2012	mg/Nm <sup>3</sup>	111.0	N.A
			gm/kw-hr	0.20	4.0
6.	Carbon monoxide	IS 11255 : Part 1 : 1985 By Orsat	mg/Nm <sup>3</sup>	132	N.A
			gm/kw-hr	0.24	3.5
7.	Carbon dioxide	IS 11255 : Part 1 : 1985 By Orsat	% v/v	6.2	N.A
8.	Particulate Matters	IS 11255 : Part 1 : 1985 RA 2009	mg/Nm <sup>3</sup>	26	N.A
			gm/kw-hr	0.05	0.2
<b>E. Pollution control device</b>					
Details of pollution control devices attached with the stack : Nil.					

(J. MUKHERJEE)  
Quality Manager  
Authorised Signatory

**MINUTES OF MONTHLY HOSPITAL INFECTION CONTROL COMMITTEE MEETING**

Date of Meeting: 11<sup>th</sup> April 2019

Time: 2:30 PM onwards

Location: Board Room

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

Sl. No.	Points of discussion	Responsibility	Timeline
1.	<p><b>Increased incidences of B. cepacia infection :</b> Isolation of B. cepacia bacteria has been a consistent finding from CTVS post-surgery patients. This organism is isolated mainly from blood cultures, causing the increased CRBSI rate in CTVS. RCA investigation has been done and also continuously monitored. Samples from possible sources have been collected for culture but no definite source could be identified. Discussion regarding further course of action occurred. Following are the points of discussion :</p> <ul style="list-style-type: none"> <li>• Whether the central venous line is required or not should be strictly monitored.</li> <li>• Any type of multi-dose vial for flushing the central venous line should be avoided.</li> <li>• Central tip should also be sent for culture when blood culture is positive.</li> <li>• CRBSI bundle should be strictly observed.</li> </ul>	<p>MICS/ Nursing</p> <p>MICS/ Nursing</p> <p>MICS</p> <p>HIC</p>	<p>Immediate as well as Continuous process</p>
2.	<p><b>Water safety "SAFE WATER POLICY":</b> In water safety round carried on 28.03.2019 under leadership of Dr. (Col) R N Basu it was suggested to prepare a SAFE WATER POLICY. Discussion about timeline for preparing the policy was done and the committee suggested completing the policy within a month before next infection control meeting.</p>	<p>Maintenance/ Quality/ HIC</p>	<p>In process</p>



3.	<b>Reinforcement of restricted antimicrobial form :</b> Discussion on restricted antimicrobial form enforcement done. The new updated HMIS software will be helpful fulfilling this requirement.	IT/ Medical Admin	In process
4.	<b>Temporary BMW storage :</b> Our recent BMW segregation area requires more storage capacity and security.	House Keeping	In process

Prepared by: Sr. Michelle Dawson

Approved by: Dr Soumen Saha



# N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001 : 2015 Company | Certificate : 18DQCM02



## TEST REPORT

Certificate No.: E(D)-(NN)/19-20/272A

Date: 22.04.20

Page 1 of

### SAMPLE DRAWN BY US :

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 : 16.04.2019  
 Sample Received on : 16.04.2019  
 Analysis Completed on : 22.04.2019  
 Method of Sampling : IS : 3025 (Part - 1) 1987 (Reaffirmed 2009)  
 Mode of Sampling : Grab

### A. PHYSICAL TEST FINDINGS:

Sl. No.	Test parameters	Test Method	Unit	Result
1	Temperature	APHA 22nd Edn, 2550-B	°C	30

### B. CHEMICAL TEST FINDINGS:

Sl No.	Test parameters	Test Method	Unit	Result
1	pH at 25°C	APHA 22nd Edn, 4500 H <sup>+</sup> B	-	7.2
2	Total Suspended Solids	APHA 22nd Edn, 2540 D	mg/L	79
3	Oil & Grease	APHA 22nd Edn, 5520 B	mg/L	8.4
4	Biochemical Oxygen Demand at 27°C for 3 days	IS 3025(Part 44) :1993(RA2003)	mg/L	57
5	Chemical Oxygen Demand	APHA 22nd Edn, 5220 B	mg/L	161

...End of Test Report...

*A. Anshu*  
 N.D. International  
 107B, Block-F, New Alipore,  
 Kolkata-700 053  
 Phone: 4021-6600 (12 Lines), 4021-6600 (Direct) Mob: 9830654565, 9830789456  
 Email: ndinternational@gmail.com, Website: www.ndinternational.in

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- The remaining sample after test will be retained for 15 days from the date of issue of certificate

SKN-II

# N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001 : 2015 Company | Certificate : 18DQCM02



## TEST REPORT

Certificate No.: E(D)-(NN)/19-20/272B

Date: 22.04.2019

Page 1 of 1

### SAMPLE DRAWN BY US :

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 : 16.04.2019  
Sample Received on : 16.04.2019  
Analysis Completed on : 22.04.2019  
Method of Sampling : IS : 3025 (Part - 1) 1987 (Reaffirmed 2009)  
Mode of Sampling : Grab

### A. PHYSICAL TEST FINDINGS:

Sl. No.	Test parameters	Test Method	Unit	Result
1	Temperature	APHA 22nd Edn, 2550-B	°C	30

### 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 22nd Edn, 4500 H <sup>+</sup> B	---	7.5	5.5 - 9.0
2	Total Suspended Solids	APHA 22nd Edn, 2540 D	mg/L	15	100 mg/L (max)
3	Oil & Grease	APHA 22nd Edn, 5520 B	mg/L	3.8	10 mg/L (max)
4	Biochemical Oxygen Demand at 27°C for 3 days	IS 3025(Part 44) :1993(RA2003)	mg/L	15	30 mg/L (max)
5	Chemical Oxygen Demand	APHA 22nd Edn, 5220 B	mg/L	52	250 mg/L (max)

Remarks : Satisfactory for the above tested parameters.

...End of Test Report...

*A. Chakraborty*

For N. D. International,  
Ardendu Guha  
In-Charge Chemical  
Chemical Discipline  
Authorized Signatory

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# N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001 : 2015 Company Certificate : 18DQCM02

## TEST REPORT



Date: 30.09.2019

Page 1 of 1

Certificate No.: E(D)/19-20/89

SAMPLE DRAWN BY US :

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 : 24.09.2019  
Sampling Done by : Mr. Srikanta Das  
Environmental Condition : Temperature : 31°C, Humidity : NA  
Sample Received on : 24.09.2019  
Analysis Completed on : 30.09.2019  
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	28

B. CHEMICAL TEST FINDINGS:				
Sl. No.	Test parameters	Test Method	Unit	Result
1	pH at 25°C	APHA 23rd Edn, 4500 H' B	---	6.9
2	Total Suspended Solids	APHA 23rd Edn, 2540 D	mg/L	87.0
3	Oil & Grease	APHA 23rd Edn, 5520 D	mg/L	8.4
4	Biochemical Oxygen Demand at 27°C for 3 days	IS 3025 (Part - 44) 1993 RA 2003	mg/l.	81.1
5	Chemical Oxygen Demand	APHA 23rd Edn, 5220 B	mg/L	258

...End of Test Report...



For, N.D. International

Authorised Signatory

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3. The remaining sample after test will be retained for 15 days from the date of issue of certificate



## TEST REPORT

Certificate No.: E(D)/19-20/90

Date: 30.09.2019

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 : 24.09.2019  
Sampling Done by : Mr. Srikanta Das  
Environmental Condition : Temperature : 31°C, Humidity : NA  
Sample Received on : 24.09.2019  
Analysis Completed on : 30.09.2019  
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	28

### 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 <sup>+</sup> B	---	7.0	5.5 - 9.0
2	Total Suspended Solids	APHA 23rd Edn, 2540 D	mg/L	12.0	100 mg/L (max)
3	Oil & Grease	APHA 23rd Edn, 5520 D	mg/L	1.5	10 mg/L (max)
4	Biochemical Oxygen Demand at 27°C for 3 days	IS 3025 (Part - 44) 1993 RA 2003	mg/L	18.0	30 mg/L (max)
5	Chemical Oxygen Demand	APHA 23rd Edn, 5220 B	mg/L	69	250 mg/L (max)

Remarks : Satisfactory for the above tested parameters.

...End of Test Report...



For, N.D. International

Authorized Signatory

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