



**TEST REPORT**

Format No.:JMB/LAB/FM/46B

Customer Name:	Bengal Faith Hospital (A Unit of Bengal Faith Health Care Private Limited)		
Customer Address :	G.T. Road, Goda, P.O.-Lakurdi, Dist. Purba Bardhaman-713102.	Drawn/ Submitted:	Drawn
Sample Id:	JMB/22-23/EW(D)/0052	Date of Sample Drawn:	17/01/2022
Sample Description:	STP WATER	Date of Testing :	17/01/2022
Sample Quantity	2 LTR	Date of Reporting:	19/01/2022
Sample Location	STP OUTLET	Environmental Condition:	Temperature : 23.5°C

**TEST RESULTS**

Sl No	Test Parameters	Test Method	Test Results	Unit	Limit as per EPA (MOEF) for effluent water discharged into inland surface water (max)
1.	pH at 25 <sup>0</sup> C	APHA 23 <sup>rd</sup> Edn. 4500H <sup>+</sup> B:2017	7.39	-	5.5-9.0(Max)
2.	Total Suspended Solids	APHA 23 <sup>rd</sup> Edn. 2017. 2540 D	72.0	mg/L	100 mg/L (Max)
3.	Biochemical Oxygen Demands at 27 <sup>0</sup> C for 3 days	IS 3025 (Part-44):1993 (RA 2003)	28.0	mg/L	30 mg/L (Max)
4.	Chemical Oxygen Demand	IS 3025 (Part-58):2006	126.0	mg/L	250 mg/L (Max)
5.	Oil & Grease	APHA 23 <sup>rd</sup> Edition, 2017, 5520 B	6.2	mg/L	10 mg/L (Max)
6.	Total Dissolved solids (TDS)	APHA 22 <sup>nd</sup> Edn 2540C	468.0	mg/L	2100 mg/L (Max)

Remarks: Satisfactory for the above tested parameters.

\*\*\*\*\*End of Test Report \*\*\*\*\*



For, JM Biotech Pvt. Ltd.

*Tanmoy Sengupta*

Authorised Signature

Name: Mr. Tanmoy Sengupta

Designation: Director & Quality Manager

\*NABL accredited Laboratory (ISO/IEC 17025:2017)

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Format No.:JMB/LAB/FM/46B

Customer Name:	Bengal Faith Hospital (A Unit of Bengal Faith Health Care Private Limited)		
Customer Address :	G.T. Road, Goda, P.O.-Lakurdi, Dist. Purba Bardhaman-713102.	Drawn/ Submitted:	Sample Drawn By Us
Sample Id:	JMB/22-23/EW(D)/0014	Date of Sample Drawn:	21/07/2022
Sample Description:	STP Water	Date of Testing :	21/07/2022
Sample Quantity	2 LTR	Date of Reporting:	25/07/2022
Sample Location	STP Outlet	Environmental Condition:	Temperature : 29.8°C

**TEST RESULTS**

Sl No	Test Parameters	Test Method	Test Results	Unit	Limit as per EPA (MOEF) for effluent water discharged into inland surface water (max)
1.	pH at 25°C	APHA 23 <sup>rd</sup> Edn. 4500H <sup>1</sup> B:2017	7.49	-	5.5-9.0(Max)
2.	Total Suspended Solids	APHA 23 <sup>rd</sup> Edn. 2017. 2540 D	87.0	mg/L	100 mg/L (Max)
3.	Biochemical Oxygen Demands at 27°C for 3 days	IS 3025 (Part-44):1993 (RA 2003)	25.7	mg/L	30 mg/L (Max)
4.	Chemical Oxygen Demand	IS 3025 (Part-58):2006	81.0	mg/L	250 mg/L (Max)
5.	Oil & Grease	APHA 23 <sup>rd</sup> Edition, 2017, 5520 B	4.2	mg/L	10 mg/L (Max)
6.	Total Dissolved solids (TDS)	APHA 22 <sup>nd</sup> Edn 2540C	697.8	mg/L	2100 mg/L (Max)

Remarks: Satisfactory for the above tested parameters.

\*\*\*\*\*End of Test Report \*\*\*\*\*

For, JM Biotech Pvt. Ltd.



*T. Sengupta*

Authorised Signature

Name: Mr. Tanmoy Sengupta

Designation: Director & Quality Manager

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Sipta, P.O.- Amila, P.S.-Raina, Pin- 713423, Purba Bardhaman, West Bengal, India.

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# JM Biotech (Pvt.) Ltd.

## ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

### Recognised by WBPCB



AN ISO 9001:2015 & 14001:2015 CERTIFIED COMPANY

## TEST REPORT

Sample ID.: JMB/22-23/FG(M)/0019

Format No. JMB/LAB/FM/53F

25/07/2022

Name of Company: Bengal Faith Hospital (A Unit of Bengal Faith Health Care Private Limited).

Address: G.T. Road, Goda, P.O.-Lakurdi, Dist. Purba Bardhaman-713102.

Sample Description: Flue gas

Date & Time of sampling: 20/07/2022 at 03:30 pm to 04:40 pm

Equipment used: JMB/AP/04

Analysis Completed on: 25/07/2022

### A General Information:

- 1 Stack connected to: D.G. Set
- 2 Shape of Stack : Circular
- 3 Material of construction of stack: MS
- 4 Whether stack is provided with permanent platform & ladder: Temporary Ladder
- 5 Emission due to : Burning of HSD
- 6 Generator Capacity : 400 KVA.

### B Physical Characteristics:

- 1 Heights of the stack (a) from Ground Level: 4.5.M
- 2 Diameter of the stack (a) at bottom : -----
- 3 Height of the sampling point from Ground Level: -----
- 4 Diameter of the stack at sampling point : 0.18M
- 5 Area of Stack/duct : 0.0254 M<sup>2</sup>.

### C Fuel Information

1. Fuel Used: H.S.D.
2. Fuel Consumption: 45 Liter/Hr.

Barometric Pressure (Pbar) mmHg: 750

### D Results of sampling and analysis of gaseous emission:

Sl. No.	Test Parameters	Test Method	Unit	Results
1	Temperature of emission	IS 11255 (Part III): 2008	°C	102
2	Velocity of Gas in duct	IS 11255 (Part III): 2008	m/sec	9.6
3	Quantity of Gas flow	IS 11255 (Part III): 2008	Nm <sup>3</sup> /hr	667
4	Sulphur dioxide	IS 11255 (Part 2): 1985 RA 2003	Mg/Nm <sup>3</sup>	61.16
5	Nitrogen dioxide	IS 11255 (Part-VII): 1985 RA 2005	Mg/Nm <sup>3</sup>	109.62
6	Carbon monoxide	IS 13270 (ORSAT): 1992	% (v/v)	<0.4
7	Carbon dioxide	IS 13270 (ORSAT): 1992	% (v/v)	6.2
8	Concentration of Oxygen	IS 13270 (ORSAT): 1992	% (v/v)	11.8
9	Particulate Matters	IS 11255 (Part-1): 1985	Mg/Nm <sup>3</sup>	20

Pollution Control Device attached with the stack: Nil

.....End of Test Report.....



For, JM Biotech (P) Ltd.

(Authorized Signatory)

Mr. Tanmoy Sengupta

(Designation: Quality Manager)

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