



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



Report No : EN/17070009-01

Report Date : 10 Jul 2017

Chemical T-2637
Biological T-2639
Mechanical T-2638

SAMPLE DRAWN BY LABORATORY

Customer Name : M/S. SRI MANAKULA VINAYAGAR MEDICAL COLLEGE & HOSPITAL,
Customer Address : Kalitheerthal Kuppam, Madagadipet - 605 107, Puducherry.

Sample Name : Water

Sample Description : STP Inlet Water

Reference : Test Request Form Dated 28 Jun 2017

Sample No : EN/17070009-01

Sampling Date : 28 Jun 2017

Sample Condition : Fit for Analysis

Sample Received on : 02 Jul 2017

Sample Quantity : 2 Litres

Test Started on : 04 Jul 2017

Sample Procedure : SMSLA/EN/SOP/001

Test Completed on : 08 Jul 2017

Sample Location : STP Plant

Test Results

Sl.No	Parameter	Test Method	Results	Unit
Chemical Test				
1	pH @ 25°C	4500 H+ - B APHA 22nd EDI 2012	7.27	-
2	Total Suspended Solids(TSS)	2540 D APHA 22nd EDI 2012	42.0	mg/L
3	Total Dissolved Solids (Inorganic)	2540C - APHA 22nd EDI:2012	1015	mg/L
4	Oil and Grease	5520-A APHA 22nd EDI 2012	BDL(DL:4.0)	mg/L
5	Free Ammonia as NH ₃	4500 - NH ₃ APHA 22nd EDI 2012	28.0	mg/L
6	Biochemical Oxygen Demand (BOD) at 27°C for 3 days	IS 3025 (Part-44):1993 [Reaf.2003]	51.0	mg/L
7	Chemical Oxygen demand (COD)	5220 B APHA 22nd EDI 2012	214	mg/L
8	Dissolved Phosphorous as P	4500- P B,D APHA 22nd EDI 2012	3.0	mg/L
9	Nitrate as NO ₃	IS 3025 (Part-34):1988 [Reaf.2009]	13.0	mg/L
10	Chloride as Cl	4500 Cl-B APHA 22nd EDI 2012	196	mg/L
11	Sulphate as SO ₄	4500 SO ₄ -E APHA 22nd EDI 2012	61.0	mg/L

Note: BDL: Below Detection Limit

End of Report

Page 1 of 1

Authorised Signatory

E. PRITHIVIRAJAN
Asst. Manager Environment

39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk,
Chennai - 600 124. Phone : 044-26811662 - 664

Accredited by NABL : Approved by EIC, BIS : Recognized by APEDA, MoEF, FSSAI, AGMARK; Certified by ISO 9001:2008 and OHSAS 18001:2007

WARNING : The Findings constitute no warranty of the samples representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. The retention period of samples has been stored as per the appropriate regulatory requirements.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Bill not received
Report received on 17/7/17



Chemical T-2637
Biological T-2639
Mechanical T-2836

Report No : EN/17070009-02

Report Date : 10 Jun 2017

SAMPLE DRAWN BY LABORATORY

Customer Name : M/S. SRI MANAKULA VINAYAGAR MEDICAL COLLEGE & HOSPITAL,
Customer Address : Kalitheerthai Kuppam, Madagadipet - 605 107, Puducherry

Sample Name : Water

Sample Description : STP Outlet Water

Reference : Test Request Form Dated 28 Jun 2017

Sample No : EN/17070009-02

Sampling Date : 28 Jun 2017

Sample Condition : Fit for Analysis

Sample Received on : 02 Jul 2017

Sample Quantity : 2 Litres

Test Started on : 04 Jul 2017

Sample Procedure : SMSLA/EN/SOP/001

Test Completed on : 08 Jul 2017

Sample Location : STP Plant

Test Results

S.N	Parameter	Test Method	Results	Unit	As per CPCB Limit
Chemical Test					
1	pH @ 25°C	4560 H+ - B APHA 22nd EDI 2012	8.06	-	6.5 - 9.0
2	Total Suspended Solids (TSS)	2540 D APHA 22nd EDI 2012	11.0	mg/L	20 max
3	Total Dissolved Solids (Inorganic)	2540C - APHA 22nd EDI 2012	815	mg/L	--
4	Oil and Grease	5520-A APHA 22nd EDI 2012	BDL(DL:4.0)	mg/L	10 max
5	Free Ammonia as NH3	4500 - NH3 APHA 22nd EDI 2012	BDL(DL:0.5)	mg/L	5.0 max
6	Biochemical Oxygen Demand (BOD)at 27°C for 3 days	IS 3025 (Part-44):1993 [Reaff:2003]	4.6	mg/L	10 max
7	Chemical Oxygen demand (COD)	5220 B APHA 22nd EDI 2012	29.0	mg/L	50 max
8	Dissolved Phosphorous as P	4500- P,B,D APHA 22nd EDI 2012	3.7	mg/L	5.0 max
9	Nitrate as NO3	IS 3025 (Part-34):1988 [Reaff:2009]	25.0	mg/L	--
10	Chloride as Cl	4500 Cl-B APHA 22nd EDI 2012	184	mg/L	--
11	Sulphate as SO4	4500 SO4 -E APHA 22nd EDI 2012	53.0	mg/L	--

Note : BDL: Below Detection Limit.

Remarks: The above STP Outlet water sample is below the CPCB discharge limit against the above tested parameters for which the limit has been provided in the specification.

End of Report

Page 1 of 1

Authorised Signatory

E.PRITHIVIRAJAN
Asst. Manager Environment

39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk,
Chennai - 600 124. Phone : 044-26811662 - 664

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



Report No : EN/18050265-02

Report Date : 05 Jun 2018

Chemical T-2637
Biological T-2639
Mechanical T-2638

SAMPLE NOT DRAWN BY LABORATORY

Customer Name : M/S. SRI MANAKULA VINAYAGAR MEDICAL COLLEGE & HOSPITAL,
Customer Address : Kalitheerthai Kuppan, Madagadipet - 605 107, Puducherry.

Sample Name : Water
Sample Description : STP Inlet Water
Reference : Test Request Form Dated 30 May 2018
Sample No : EN/18050265-02
Sample Condition : Fit for Analysis
Sample Quantity : 2 Litres
Sample Received on : 31 May 2018
Test Started on : 31 May 2018
Test Completed on : 05 Jun 2018

Test Results

Sl.No	Parameter	Test Method	Results	Unit
Chemical Test				
1	pH value @ 25 °C	APHA 23rd Edition:4500 H+ - B	7.22	-
2	Total Suspended Solids(TSS)	APHA 23rd Edition:2540 D	72	mg/L
3	Total Dissolved Solids (Inorganic)	APHA 23rd Edition:2540 C	1320	mg/L
4	Oil and Grease	APHA 23rd Edition:5520	12	mg/L
5	Biochemical Oxygen Demand (BOD) @ 27°C for 3 days	IS 3025 (Par t - 44)	68	mg/L
6	Chemical Oxygen demand (COD)	APHA 23rd Edition:5220 B,C	290	mg/L
7	Chloride as Cl	APHA 23rd Edition:4500 Cl - B	323	mg/L
8	Sulphate as SO4	APHA 23rd Edition:4500 SO4- E	225	mg/L

End of Report

Page 1 of 1

Authorised Signatory

R. IYAPPAN

Sr. Executive - Chemist

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



Chemical T-2637
Biological T-2639
Mechanical T-2638

Report No : EN/18050265-01

Report Date : 05 Jun 2018

SAMPLE NOT DRAWN BY LABORATORY

Customer Name : M/S. SRI MANAKULA VINAYAGAR MEDICAL COLLEGE & HOSPITAL,
Customer Address : Kalitheerthal Kuppam, Madagadipet - 605 107, Puducherry.

Sample Name : Water
Sample Description : STP Outlet Water
Reference : Test Request Form Dated 30 May 2018
Sample No : EN/18050265-01
Sample Condition : Fit for Analysis
Sample Quantity : 2 Litres

Sample Received on : 31 May 2018
Test Started on : 31 May 2018
Test Completed on : 05 Jun 2018

Test Results

Sl.N	Parameter	Test Method	Results	Unit	As per CPCB Limit
Chemical Test					
1	pH @ 25 °C	APHA 23rd Edition:4500 H+ - B	6.82	-	6.5 - 9.0
2	Total Suspended Solids(TSS)	APHA 23rd Edition:2540 D	18	mg/L	20 max
3	Total Dissolved Solids (Inorganic)	APHA 23rd Edition:2540 C	920	mg/L	--
4	Oil and Grease	APHA 23rd Edition:5520	BDL(DL:4.0)	mg/L	10 max
5	Biochemical Oxygen Demand (BOD) @ 27°C for 3 days	IS 3025 (Part - 44)	8.0	mg/L	10 max
6	Chemical Oxygen demand (COD)	APHA 23rd Edition:5220 B,C	40	mg/L	50 max
7	Chloride as Cl	APHA 23rd Edition:4500 Cl - B	213	mg/L	--
8	Sulphate as SO4	APHA 23rd Edition:4500 SO4- E	162	mg/L	--

Note : BDL: Below Detection Limit.

Remarks: The above STP Outlet water sample is below the CPCB discharge limit against the above tested parameters for which the limit has been provided in the specification.

End of Report

Page 1 of 1

Authorised Signatory

R. JAYAPPAN
Sr. Executive - Chemist

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SMS LABS SERVICES PRIVATE LIMITED



Chemical T-2637
Biological T-2639
Mechanical T-2638

TEST REPORT

Page No: 1 of 1

Report No: SEN/19030134-02

Report Date: 20 Mar 2019

Customer Name : SRI MANAKULA VINAYAGAR MEDICAL COLLEGE AND HOSPITAL,
Customer Address : Kalitheerthal Kuppam, Madagadipet, Puducherry - 605107
Sample Name : Water
Sample Description : STP Outlet Water **Sampling Date** : 12 Mar 2019
Reference : Test Request Form Dated 12.03.2019 **Sample Quantity** : 5Lit
Sampling Drawn By : Laboratory **Sample Received on** : 15 Mar 2019
Sampling Location : STP Plant Area **Test Started on** : 15 Mar 2019
Sampling Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06 **Test Completed on** : 20 Mar 2019

Test Results

S.No	Parameter	Test Method	Unit	Results	As per CPCB Limit
Biological					
1	Faecal coliforms	IS 1622	MPN/ 100ml	110	<1000
Chemical					
2	Ammonical Nitrogen as NH ₃ -N	APHA 23rd Edition:4500 NH ₃	mg/L	BDL(DL:1.0)	--
3	Biochemical Oxygen Demand @ 27°C for 3 days	IS 3025 (Part - 44)	mg/L	3.6	30
4	Chemical Oxygen Demand	APHA 23rd Edition:5220 B,C	mg/L	21	--
5	Chloride as Cl	APHA 23rd Edition:4500 Cl - B	mg/L	264	--
6	Oil & Grease	APHA 23rd Edition:5520	mg/L	BDL(DL:4.0)	--
7	Sulphate as SO ₄	APHA 23rd Edition:4500 SO ₄ -E	mg/L	80	--
8	Total Nitrogen as N	APHA 23rd EDI 2017	mg/L	4.3	--

S. ANBARASAN
Manager Microbiology

R. IYAPPAN
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SMSLA

SMS LABS SERVICES PRIVATE LIMITED

Chemical T-2637
Biological T-2639
Mechanical T-2638

TEST REPORT

Page No: 2 of 2

Report No: SEN/19030134-02

Report Date: 20 Mar 2019

S.No	Parameter	Test Method	Unit	Results	As per CPCB Limit
Physical					
9	pH @ 25°C	APHA 23rd Edition:4500 H+ - B	--	7.75	6.5 - 9.0
10	Total Dissolved Solids (Inorganic)	APHA 23rd Edition:2540 C	mg/L	1045	--
11	Total Suspended Solids@ 105°C	APHA 23rd Edition:2540 D	mg/L	29.6	100

Note : BDL: Below Detection Limit.

Remarks: The above STP Outlet water sample is below the CPCB discharge limit against the above tested parameters for which the limit has been provided in the specification.

*****End of Report*****

R.IYAPPAN
Sr.Executive-Chemist39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk,
Chennai - 600 124. Phone : 044-26811662 - 664

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ECO TECH LABS PVT LTD

Plot No.48A, 2nd Main Road, Ram Nagar South Extension,
Pallikaranai, Chennai - 600 100.



Phone : 8144115515, Email : info@ecotechlabs.in / lab@ecotechlabs.in, Website : www.ecotechlabs.in

ISO / IEC 17025 : 2005, ACCREDITED BY NABL, A CONSTITUENT BOARD OF QUALITY COUNCIL OF INDIA

TEST REPORT

Report No :TC593719000002080F

Report Date:05.10.2019

Page 1 of 1

Name of the Client : M/s. Sri Mankula Vinayagar Medical College and Hospital.,
Address of the Project Site : Kalitheerathal kuppam, Madagadipet, Puducherry - 605107.
Sample Name : Waste Water Sample Description : STP In
Sample Code :ETL0919213 Sample Condition : Good
Sample Drawn By : Eco Tech Labs P.Ltd Sampling date : 26.09.2019
Sampling Procedure : ETL/QAD/SOP/07 Received date : 26.09.2019
Sample Location :STP Plant Commenced on : 26.09.2019
Customer Reference : - Completed on : 03.10.2019

I.CHEMICAL TESTING

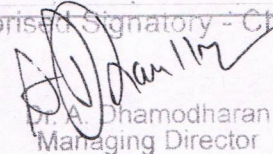
1. Pollution and Environment

S.No	Parameters	Test Method	Results Obtained	Units	As per CPCB Limit
1	pH (@ 25°C)	IS:3025(P -11)1983 RA: 2012	8.19	-	6.5-9.0
2	Electrical Conductivity @25°C	IS 3025 (Part 14):2013	1704	µS/cm	--
3	Total Suspended Solids	APHA 22 nd Edn.2012-2540-D	67	mg/L	20 max
4	Total Dissolved Solids	APHA 22 nd Edn.2012-2540-C	1108	mg/L	--
5	Chemical Oxygen Demand	IS:3025 (P -58)2006 RA: 2012	361	mg/L	50 max
6	Oil & Grease	IS 3025 : Part 39, 1991 (Reaff.2009)	BQL(LOQ:4)	mg/L	10 max
7	Biochemical Oxygen Demand@27°C	IS:3025 (P -44)1993 RA: 2009	74	mg/L	10 max
8	Sulphates as SO ₄	APHA 22 nd Edn.2012-4500	29	mg/L	--

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

End of Report

Authorised Signatory - Chemical


Dr. A. Dhamodharan
Managing Director

1. The report in the full or part original shall not be used for any promotional or publicity purpose without written consent by laboratory
2. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of test report.
3. The test results relate only to the test items.



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TEST REPORT

Report No : TC593719000002081F

Report Date: 05.10.2019

Page 1 of 1

Name of the Client : M/s. Sri Mankula Vinayagar Medical College and Hospital.,
Address of the Project Site : Kalitheerathal kuppam, Madagadipet, Puducherry - 605107.
Sample Name : Waste Water Sample Description : STP Out
Sample Code : ETL0919214 Sample Condition : Good
Sample Drawn By : Eco Tech Labs P.Ltd Sampling date : 26.09.2019
Sampling Procedure : ETL/QAD/SOP/07 Received date : 26.09.2019
Sample Location : STP Plant Commenced on : 26.09.2019
Customer Reference : - Completed on : 03.10.2019

I. CHEMICAL TESTING

1. Pollution and Environment

S.No	Parameters	Test Method	Results Obtained	Units	As per CPCB Limit
1	pH (@ 25°C)	IS:3025(P -11)1983 RA: 2012	7.18	-	6.5-9.0
2	Electrical Conductivity @25°C	IS 3025 (Part 14):2013	1653	µS/cm	--
3	Total Suspended Solids	APHA 22 nd Edn.2012-2540-D	BQL(LOQ:2)	mg/L	20 max
4	Total Dissolved Solids	APHA 22 nd Edn.2012-2540-C	1054	mg/L	--
5	Chemical Oxygen Demand	IS:3025 (P -58)2006 RA: 2012	43.1	mg/L	50 max
6	Oil & Grease	IS 3025 : Part 39, 1991 (Reaff.2009)	BQL(LOQ:4)	mg/L	10 max
7	Biochemical Oxygen Demand@27°C	IS:3025 (P -44)1993 RA: 2009	8.4	mg/L	10 max
8	Sulphates as SO ₄	APHA 22 nd Edn.2012-4500	26.8	mg/L	--

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

Remark: The above STP Outlet water sample is below the CPCB discharge limit against the above tested Parameters for which the limit has been provided in the specification.

End of Report



Authorised Signatory - Chemical

[Signature]
D.A. Dharmodharan
Managing Director

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Chemical T-2637
Biological T-2639
Mechanical T-2638

TEST REPORT

Page No: 1 of 1

Report No: SEN/19030134-01

Report Date: 20 Mar 2019

Customer Name : SRI MANAKULA VINAYAGAR MEDICAL COLLEGE AND HOSPITAL,

Customer Address : Kalitheerthal Kuppam, Madagadipet, Puducherry - 605107

Sample Name : Water

Sample Description : STP Inlet Water

Sampling Date : 12 Mar 2019

Reference : Test Request Form Dated 12.03.2019

Sample Quantity : 5Lit

Sampling Drawn By : Laboratory

Sample Received on : 15 Mar 2019

Sampling Location : STP Plant Area

Test Started on : 15 Mar 2019

Sampling Procedure : SMSLA/EN/SOP/001,
SMSLA/MB/SOP/06

Test Completed on : 20 Mar 2019

Test Results

S.No	Parameter	Test Method	Unit	Results
Biological				
1	Faecal coliforms	IS 1622	MPN/100ml	500
Chemical				
2	Ammonical Nitrogen as NH ₃ -N	APHA 23rd Edition:4500 NH ₃	mg/L	BDL(DL:1.0)
3	Biochemical Oxygen Demand @ 27°C for 3 days	IS 3025 (Part - 44)	mg/L	20
4	Chemical Oxygen Demand	APHA 23rd Edition:5220 B.C	mg/L	75
5	Chloride as Cl	APHA 23rd Edition:4500 Cl-B	mg/L	264
6	Oil & Grease	APHA 23rd Edition:5520	mg/L	19.6
7	Sulphate as SO ₄	APHA 23rd Edition:4500 SO ₄ -E	mg/L	73
8	Total Nitrogen as N	APHA 23rd EDI 2017	mg/L	11.9

S. ANBARASAN
Manager Microbiology

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Biological T-2639
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TEST REPORT

Page No: 2 of 2

Report No: SEN/19030134-01

Report Date: 20 Mar 2019

S.No	Parameter	Test Method	Unit	Results
Physical				
9	pH @ 25°C	APHA 23rd Edition:4500 H+ - B	--	7.27
10	Total Dissolved Solids (Inorganic)	APHA 23rd Edition:2540 C	mg/L	1168
11	Total Suspended Solids@ 105°C	APHA 23rd Edition:2540 D	mg/L	52

Note: BDL- Below Detection Limit

*****End of Report*****

R.IYAPPAN
Sr.Executive-Chemist

39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk,
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TC - 5589



CHENNAI METTEX LAB PRIVATE LIMITED

Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032.

TEST REPORT

Page No. 1 of 1

ISSUED TO : M/s.Sri Manakula Vinayagar Medical College and Hospital,

T.C Date : 21.04.2021

Madagadipet, Puducherry - 605107.

T.C No : CML/21-22/3959

Date Of Receipt : 16.04.2021

Cust. Ref : SRF Dated : 16.04.2021

Analysis Commenced On : 16.04.2021

Lab No : 2203351

Analysis Completed On : 20.04.2021

Sample Description : STP Treated Water.

Sl. No.	Test Parameters	Protocol	Results	NGT Effluent Discharge Limit For STPs
01	pH at 25°C	IS 3025 Part 11-1983 (Reaff:2017)	7.39	5.5 ~ 9.0
02	Total Suspended Solids	IS 3025 Part 17-1984 (Reaff:2017)	8 mg/l	20 mg/l
03	Totoal Nitrogen as N	IS:3025 Part 34:1988 (Reaff:2014)	3.6 mg/l	10 mg/l
04	BOD @ 27°C for 3 days	IS 3025 Part 44-1993 (Reaff.2014)	4 mg/l	10 mg/l
05	COD	IS:3025 Part 58 - 2006 (Reaff:2017)	18 mg/l	50 mg/l
06	Faecal Coliform	APHA 23 rd Edn. 2017 : 9221 "E"	84 MPN/100ml	Desireable 100 MPN/00ml & Permissible 230 MPN/00ml

Note: BDL: Below Detection Limit DL: Detection Limit, MPN – Most Probable Number.

End of Report



For Chennai Mettex Lab Private Limited

P. Kavitha
P. KAVITHA
Technical Manager

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CHENNAI METTEX LAB PRIVATE LIMITED[®]

Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032.



TEST REPORT

Page No. 1 of 1

ISSUED TO : M/s.Sri ManakulaVinayagarMedical College and Hospital,

T.C Date : 31.07.2021

Madagadipet,Kalitheerthalkuppam,
Puducherry - 605107.

T.C No : CML/21-22/23831

Date Of Receipt : 21.07.2021

Cust. Ref : SRF Dated : 20.07.2021

Analysis Commenced On : 21.07.2021

Lab No : 2223944

Analysis Completed On : 29.07.2021

Sample Description : STP Treated Water.
(as stated by customer)

Sl. No.	Test Parameters	Protocol	Results	NGT Effluent Discharge Limit For STPs
01	pH at 25°C	IS 3025 Part 11-1983 (Reaff:2017)	7.60	5.5 ~ 9.0
02	Total Suspended Solids	IS 3025 Part 17-1984 (Reaff:2017)	4 mg/l	20 mg/l
03	Totoal Nitrogen as N	IS:3025 Part 34:1988 (Reaff:2014)	5.4 mg/l	10 mg/l
04	BOD @ 27°C for 3 days	IS 3025 Part 44-1993 (Reaff.2014)	2.6 mg/l	10 mg/l
05	COD	IS:3025 Part 58 - 2006 (Reaff:2017)	7 mg/l	50 mg/l
06	Faecal Coliform	APHA 23 rd Edn. 2017 : 9221 "E"	120 MPN/100ml	Desireable 100 MPN/00ml & Permissible 230 MPN/00ml

Note: BDL: Below Detection Limit DL: Detection Limit, MPN – Most Probable Number.

End of Report

G.S. RADHA
Technical Manager



For Chennai Mettex Lab Private Limited

P. KAVITHA
Technical Manager

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Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032.

TC - 5589

TEST REPORT

Page No. 1of 1

ISSUED TO : M/s.Sri Manakula Vinayagar Medical College and Hospital,
Madagadipet, Kalitheerthalkuppam,
Puducherry - 605107.

T.C Date : 22.10.2021

T.C No : CML/21-22/42215

Date Of Receipt : 13.10.2021

Cust. Ref : SRF Dated : 12.10.2021

Analysis Commenced On : 13.10.2021

Lab No : 2244862

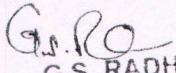
Analysis Completed On : 21.10.2021

Sample Description : STP Treated Water.
(as stated by customer)

Sl. No.	Test Parameters	Protocol	Results	NGT Effluent Discharge Limit For STPs
01	pH at 25°C	IS 3025 Part 11-1983 (Reaff:2017)	7.73	5.5 ~ 9.0
02	Total Suspended Solids	IS 3025 Part 17-1984 (Reaff:2017)	7 mg/l	20 mg/l
03	Totoal Nitrogen as N	IS:3025 Part 34:1988 (Reaff:2014)	BDL(DL:1.0 mg/l)	10 mg/l
04	BOD @ 27°C for 3 days	IS 3025 Part 44-1993 (Reaff.2014)	BDL(DL:2.0 mg/l)	10 mg/l
05	COD	IS:3025 Part 58 - 2006 (Reaff:2017)	BDL(DL:4.0 mg/l)	50 mg/l
06	Faecal Coliform	APHA 23 rd Edn. 9221 "E"	79 MPN/100ml	Desireable 100 MPN/00ml & Permissible 230 MPN/00ml

Note: BDL: Below Detection Limit DL: Detection Limit, MPN – Most Probable Number.

End of Report


G.S. RADHA
Technical Manager



For Chennai Mettex Lab Private Limited


P. KAVITHA
Technical Manager

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Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032.



TEST REPORT

Page No. 1 of 1

ISSUED TO : M/s. Sri Manakula Vinayagar Medical College
and Hospital.,
Madagadipet, Kalitheerthalkuppam,
Puducherry - 605 107.

T.C Date : 27.11.2021

T.C No : CML/21-22/49530

Date Of Receipt : 20.11.2021

Cust. Ref : SRF Dated : 19.11.2021.

Analysis Commenced On : 20.11.2021

Lab No : 2253041

Analysis Completed On : 25.11.2021

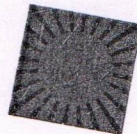
Sample Description : STP Treated Water.
(as Stated by Customer)

S. No.	Test Parameters	Protocol	Results	Effluent Discharge Limit For STPs
1	pH at 25°C	IS:3025 Part 11-1983 (Reaff:2017)	7.58	5.5 ~ 9.0
2	Total Suspended Solids	IS:3025 Part 17 -1984 (Reaff:2017)	5 mg/l	20 mg/l
3	BOD @ 27°C for 3 days	IS 3025 Part 44 – 1993 (Reaff:2014)	3 mg/l	10 mg/l
4	COD	IS: 3025: Part:58-2006 (Reaff:2017)	24 mg/l	50 mg/l
5	Total Nitrogen	IS: 3025: Part:34-1988 (Reaff:2014)	4.48 mg/l	10 mg/l
6	Faecal Coliform	APHA 23 rd Edn. 9221"E"	94 MPN/100ml	Desireable 100 MPN/100ml & Permissible 230 MPN/100ml

Note : APHA – American Public Health Association, MPN – Most Probable Number.
Standard limit prescribed by CPCB in Hon'ble NGT order in O.A.No 1069/2018.

End of Report

G.S. RADHA
Technical Manager



For Chennai Mettex Lab Private Limited

P. KAVITHA
Technical Manager

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CHENNAI METTEX LAB PRIVATE LIMITED

Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032.



TC - 5589

TEST REPORT

Page No. 1 of 1

ISSUED TO : M/s. Sri Manakula Vinayagar Medical College and Hospital,
Madagadipet, Kalitheerthalkuppam,
Puducherry - 605107.

T.C Date : 21.12.2021

T.C No : CML/21-22/54598

Date Of Receipt : 17.12.2021

Cust. Ref : SRF Dated : 16.12.2021

Analysis Commenced On : 17.12.2021

Lab No : 2259655

Analysis Completed On : 21.12.2021

Sample Description : STP Treated Water.
(as stated by customer)

Discipline & Group : Chemical & Biological / Pollution & Environment

Sl. No.	Test Parameters	Protocol	Results	NGT Effluent Discharge Limit For STPs
01	pH at 25°C	IS 3025 Part 11-1983 (Reaff:2017)	7.52	5.5 ~ 9.0
02	Total Suspended Solids	IS 3025 Part 17-1984 (Reaff:2017)	4 mg/l	20 mg/l
03	Total Nitrogen as N	IS:3025 Part 34:1988 (Reaff:2014)	7.29 mg/l	10 mg/l
04	BOD @ 27°C for 3 days	IS 3025 Part 44-1993 (Reaff.2014)	BDL(DL:2.0 mg/l)	10 mg/l
05	COD	IS:3025 Part 58 - 2006 (Reaff:2017)	19 mg/l	50 mg/l
06	Faecal Coliform	APHA 23 rd Edn. 2017 : 9221 "E"	170 MPN/100ml	Desireable 100 MPN/00ml & Permissible 230 MPN/00ml

Note: BDL: Below Detection Limit DL: Detection Limit, MPN – Most Probable Number.

End of Report

G.S. RADHA
Technical Manager



For Chennai Mettex Lab Private Limited

P. KAVITHA
Technical Manager

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स्थापना १८५८
ESTD 1858
ISO 9001 Co.,

इंजिनियर्स

आर एंड सी पर्यावरण प्रयोगशाला,
पर्यावरण इंजीनियरिंग प्रयोगशाला प्रभाग,
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रिचर्डसन एण्ड क्रुडस (१९७२) लिमिटेड

(भारत सरकार का उपक्रम)



CERT No. TC-7742

ENGINEERS

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Environmental Engineering Laboratory Division,
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ENVIRONMENTAL ENGINEERING LABORATORY

(Recognized by Central Pollution Control Board / MoEF/Accredited by NABL)

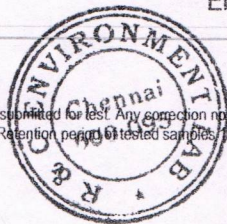
TEST REPORT

Issued to	M/s.Sri Manakula Vinayagar Medical College and Hospital, Kalitheerthalkuppam, Madagadipet, Puducherry - 605 107.		
Reference	Acknowledgement Receipt number : 3154	Report Number	TC774223011465F
Sample Description	STP Raw & Treated water sample		
Sample drawn By	By Customer	Sample received on	11.05.2023
Sampling Method	R&C/EEL/LQMS/SOP-041	Test commenced on	11.05.2023
Report date	24.05.2023	Test completed on	22.05.2023

Sl. No.	Parameter(s)	Unit	RESULT		TEST METHOD	CPCB Standard for Sewage Discharge Schedule VI
			Raw	Treated		
1.	pH @ 25°C	-	7.45	7.07	IS 3025 Part 11 (Reaff. 2022)	6.5 - 9.0
2.	Total Suspended Solids	mg/l	184	14	IS 3025 Part 17 (Reaff. 2022)	20
3.	Total Dissolved Solids	mg/l	1197	1058	IS 3025 Part 16 (Reaff. 2023)	2100
4.	Chlorides (as Cl)	mg/l	357	126	IS 3025 Part 32 (Reaff. 2019)	600
5.	Sulphate (as SO ₄)	mg/l	232	104	IS 3025 Part 24 (Reaff. 2019)	1000
6.	Oil & Grease	mg/l	18.2	4.2	IS 3025 Part 39 (Reaff. 2019)	10
7.	COD*	mg/l	696	144	IS 3025 Part 58 (Reaff. 2019)	50
8.	BOD* (3 Days @ 27°C)	mg/l	240	20	IS 3025 Part 44 (Reaff. 2019)	10
9.	Faecal Coliforms	MPN/100ml	>1100	-65-	APHA 24 th Edn. 9221 E	100

Note: COD* - Chemical Oxygen Demand, BOD* - Biochemical Oxygen Demand. The above STP Treated water analysis parameters values are well within the CPCB Discharge Standard except COD and BOD, so necessary treatment is required to reduce the COD and BOD Values.

**** End of the Report ****



Authorized Signatory

(Technical Manager - Er.Arunkumar.V)

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R&C/EEL/LQMS/QM/46

Page 1 of 1

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फोन : 022-2561 1973

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Nagpur - 440 016.
Fax : 07104 - 237693
Phone : 07104 - 237061



Puducherry dt.13.03.2023


TEST REPORT

Sampling Location : M/s. Sri Manakula Vinayagar Medical College & Hospital, Kalitheerthalkuppam, Puducherry - 605 107.	Sample Id : DSTE/PPCC/W/1805 Report No. : 26 / 2023
Sample Description : Outlet - ETP	Date of Sampling : 20.02.2023, 02.00 P.M. & Time
Sample Quantity in liters : 3.1	Sampling Plan : APHA 23 rd Edition and Method : 2017, 1060 B & C
Nature of Sampling : Grab	Sample Collected by : DSTE-PPCC Test Completed On : 24.02.2023
Test Commenced on : 20.02.2023	

Sl. No	Test Parameters	Protocol	Results	Standard Limit
01	Temperature(°C)	APHA 23 rd Edition 2017, 2550 B Laboratory and Field Method	31.0	--
02	pH @ 25 °C	APHA 23 rd Edition 2017, 4500-H ⁺ B Electrometric Method	7.37	6.5 to 9.0
03	Biochemical Oxygen Demand (BOD) (mg/l) @ 27 °C for 3 Days	IS 3025 (Part 44) – 1993, Reaff : 2009 3-Day BOD Test	2.5	30
04	Total Suspended Solids@ 103-105°C (mg/l)	APHA 23 rd Edition 2017, 2540 D Gravimetric Method	BDL (DL:4.0)	100
05	Chemical Oxygen Demand (COD) (mg/l)	IS 3025 (Part 58) : 2006 (Reaffirmed 2012)	4.0	250
06	Oil & Grease (O&G) (mg/l)	IS 3025 (Part 39) : 1991 (Reaffirmed 2014) Partition Gravimetric Method	BDL (DL:4.0)	10

Standard limit: As per Bio- Medical Waste Management Rules, 2016.

Authorised Signatory for Chemical


(G. Rukmani)
Scientist

Copy to:

1. JSA, PPCC, Puducherry
2. The Standing Guard File.

2017

STP - Annual Maintenance Plan

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP												
6	Sewage Pump (B) 7.5HP												
7	Sludge Pump (A) 5.0 HP												
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 5.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												



- Plan



- Completed

2018 STP - Annual Maintenance Plan

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP												
6	Sewage Pump (B) 7.5HP												
7	Sludge Pump (A) 5.0 HP												
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 5.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												

- Plan

- Completed

2019

STP - Annual Maintenance Plan

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP												
6	Sewage Pump (B) 7.5HP												
7	Sludge Pump (A) 5.0 HP												
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 5.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												



- Plan



- Completed

New STP - Annual Maintenance Plan

2020

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP					04/05/20	04/06/20	04/07/20	04/08/20	04/09/20	04/10/20	04/11/20	04/12/20
6	Sewage Pump (B) 7.5HP												
7	Sludge Pump (A) 5.0 HP	13/1/20	13/2/20	13/3/20	13/4/20	13/5/20	13/6/20	13/7/20	13/8/20	13/9/20	13/10/20	13/11/20	13/12/20
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 2.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												19/12
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												01/12
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												



- Plan



- Completed

NEW STP - Annual Maintenance Plan

2021

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP												
6	Sewage Pump (B) 7.5HP												
7	Sludge Pump (A) 5.0 HP												
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 5.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												



- Plan



- Completed

NewSTP - Annual Maintenance Plan 2022.

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP												
6	Sewage Pump (B) 7.5HP			8/3/22						30/9			1/12/22
7	Sludge Pump (A) 5.0 HP												
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 2.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												



- Plan



- Completed

2023 STP - Annual Maintenance Plan

S.No	Description	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Air Blower 20HP (A)												
2	Air Blower 20HP (B)												
3	Air Blower 40HP (A)												
4	Air Blower 40HP (B)												
5	Sewage Pump (A) 7.5HP												
6	Sewage Pump (B) 7.5HP												
7	Sludge Pump (A) 5.0 HP												
8	Sludge Pump (B) 5.0 HP												
9	Sludge Pump (C) 5.0 HP												
10	Clarifier (1.5HP)												
11	Filter feed pump 10HP (A)												
12	Filter feed pump 10HP (B)												
13	Sand Filter & Carbon Filter												
14	Water Flow Meter												
15	Garden Pump 10HP (A)												
16	Garden Pump 7.5HP (B)												



- Plan



- Completed

21/7

noted

30/00

31/00

15/7