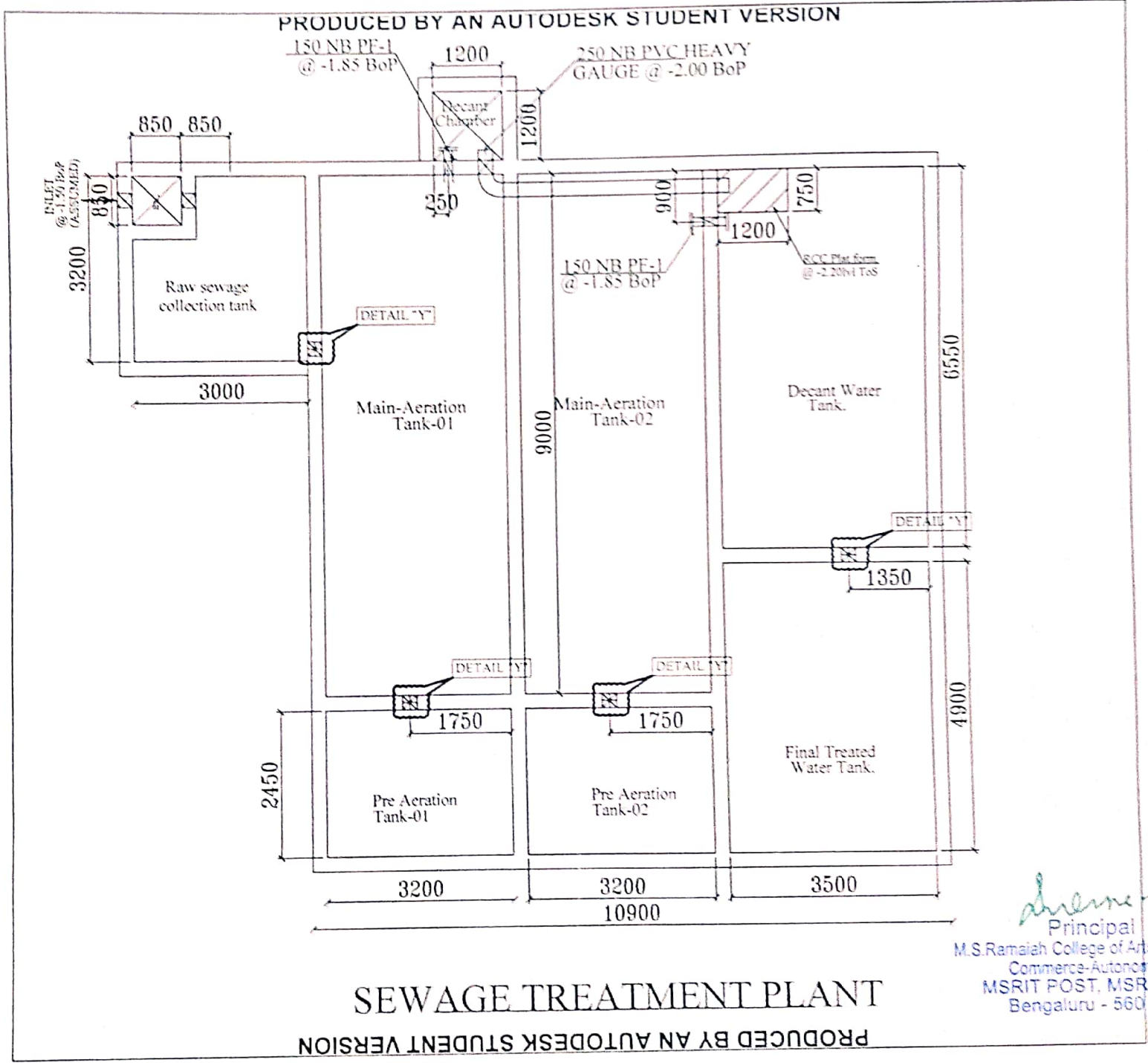


PRODUCED BY AN AUTODESK STUDENT VERSION



SEWAGE TREATMENT PLANT

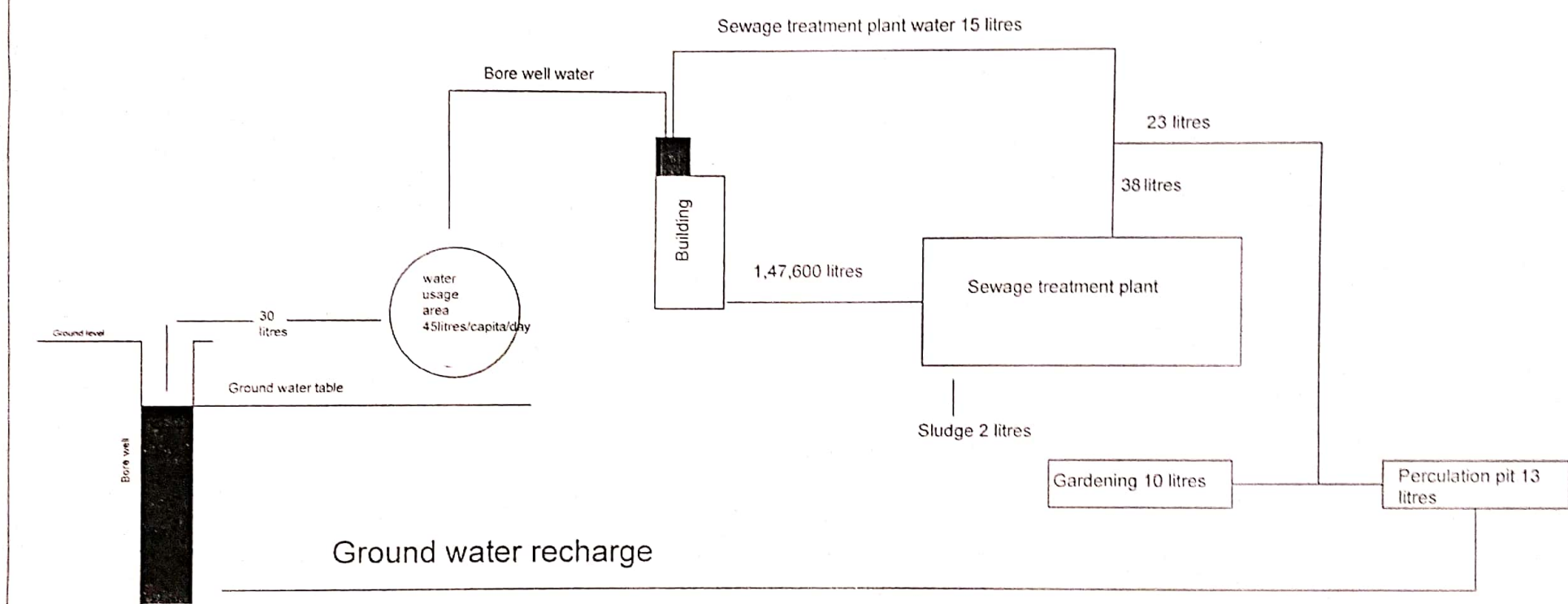
Shameeth
 Principal
 M.S.Ramaiah College of Arts, Science &
 Commerce-Autonomous
 MSRIT POST, MSR Nagar
 Bengaluru - 560 054

PRODUCED BY AN AUTODESK STUDENT VERSION

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Flow chart of daily water usage



Anil K
Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bengaluru - 560 054

STP

Ramalah Institute of Technology, Bangalore-560054
(Autonomous Institute affiliated to VTU)

Date: 15.11.2023

NOTE

A request letter has been received from the Department of Maintenance to take up the renovation of Sewage Treatment Plant at General Science Block that was installed during 2017. Now, it is noticed that the blowers are not working efficiently, oil leakage and huge sound is produced from the blowers and one of the blower's tri lobe has developed a crack. The service cost of this blower is higher.

Subsequently, the existing EPDM diffusers are blocked. Due to which the diffusers air circulation to the tank has been reduced resulting in low mixing and increase in back pressure which has resulted in damage of the blower. Therefore, the silicon diffusers need to be replaced.

Accordingly, quotation has been obtained from different vendors among which M/s Usha Compressors Private Ltd who are direct Manufacturers and have quoted less for the supply of blowers at a negotiated cost of Rs. 5,18,020/- including GST @ 18% (Transportation extra as per actuals approximately around Rs. 40,000/-).

Also, quotation has been obtained from M/s Southern Cogen Systems Pvt Ltd who are direct Manufacturers and have quoted low for the supply of diffusers at a negotiated cost of Rs. 2,00,600/- including GST @ 18% (Transportation cost extra as per actuals approximately around Rs. 4,000/-).

Therefore, the total cost for supply of Blowers and Diffusers works out to Rs. 7,62,620/- including GST @ 18% and transportation charges as per actuals.

The request letter and the quotations so received from M/s Usha Compressors Private Ltd and M/s Southern Cogen Systems Private Ltd., is herewith enclosed for kind perusal.


Hence, approval may kindly be accorded in order to take-up the above renovation works at a cost of Rs. 7,62,620/- GST @ 18% and approximate transportation charges as per actuals.

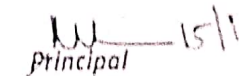
Submitted for kind approval please.


Registrar (Admin)


Chief of Finance


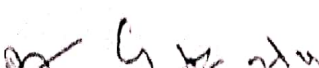

Hon'ble Secretary, GEF
& Director, RIT


Principal
M.S.Ramalah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bangalore - 560 054


Principal


Chief Executive


Hon'ble Vice Chairman, GEF
& Director, RIT

GOKULA EDUCATION FOUNDATION

MSR NAGAR, BANGALORE - 560054

Date: 04/05/2024

From: The Chief of Finance
GEF (Engg. & GS)

To: The Chief Executive
GEF (Engg. & GS)

Sub: Out Sourcing the Maintenance of 250 KLD Sewage Treatment Plant (STP).

At present, we have a STP with 250 KLD capacity located adjacent to Law College and MSRIT Alumni Building. Sewage Water outflow of all the GEF (Engg.) campus buildings are diverted to this plant for water treatment. The maintenance of this plant has been done internally by outsourced staff engaged through M/s MJ Enterprises.

We are facing regular technical problems in the maintenance of this plant. This problem is discussed with Mr. Hiranaiiah, Technical Advisor, RIT and it is suggested that we need to take the services of an expert in the field and outsource the AMC to them. Accordingly, a quotation for AMC has been taken from the Vendor suggested by our Technical Advisor.

M/s Brookefield Technologies Pvt Ltd to whom we have awarded work order to supply and install new 600 KLD STP which is being built near the north entrance of RIT, have agreed to take up the operating and AMC of the existing 250 KLD STP on the following terms.

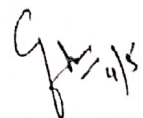
Service	First Year
Operation and maintenance of STP with 3 operators in three shift with a reliever on sunday and holidays	Rs.1,25,000/- per month plus GST
Treated Water Analysis Report (Monthly)	Rs.5,000/- per month

We may consider to outsource the operating and AMC to the above agency for a period of one year to be renewed thereafter on mutually agreed terms. This will have a monthly AMC payment of Rs.1,30,000/- plus GST.

For kind approval & orders,




Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bangalore - 560 054

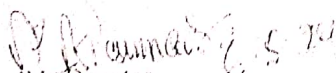


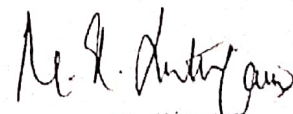
Chief of Finance

Chief Executive



The Hon'ble Director
Ramaiah Institute of Technology





The Hon'ble Director
Ramaiah Institute of Technology
& Vice-Chairman-GEF

GOKULA EDUCATION FOUNDATION

MSRIT CAMPUS, BANGALORE - 560074

Date: 01.05.2024

From: The Chief of Finance
G.E.F. (Engg & CSE)

To: The Chief Executive
G.E.F. (Engg & CSE)

Subj: Out Sourcing the Maintenance of 250 KLD Sewage Treatment Plant (STP)

At present, we have a STP with 250 KLD capacity located adjacent to Law College and MSRIT Alumni Building. Sewage Water outflow of all the G.E.F. (Engg) campus buildings are diverted to this plant for water treatment. The maintenance of this plant has been done internally by outsourced staff engaged through M/s M.J Enterprises.

We are facing regular technical problems in the maintenance of this plant. This problem is discussed with Mr. Hira Shah, Technical Advisor, RIT and it is suggested that we need to take the services of an expert in the field and outsource the AMC to them. Accordingly, a quotation for AMC has been taken from the Vendor suggested by our Technical Advisor.

M/s Brookfield Technologies Pvt Ltd to whom we have awarded work order to supply and install new 250 KLD STP which is being built near the north entrance of RIT, have agreed to take up the operating and AMC of the existing 250 KLD STP on the following terms:

Service	First Year
Operation and maintenance of STP with 3 operators or three shift with a reliever on Sunday and holidays	Rs. 1,25,000/- per month plus GST
Effluent Water Analysis Report (Monthly)	Rs. 5,000/- per month

We may consider to outsource the operating and AMC to the above agency for a period of one year to be renewed thereafter on mutually agreed terms. This will have a monthly AMC payment of Rs. 1,30,000/- plus GST.

For kind approval & orders.

[Signature]
Chief of Finance

[Signature]
Chief Executive

[Signature]
Principal
M.S. Ramalah College of Arts, Science &
Commerce - Autonomous
MSRIT POST, MSRIT Nagar
Bangalore - 560 054

[Signature]
The Hon'ble Director
Ramalah Institute of Technology
& Secretary, G.E.F.

[Signature]
The Hon'ble Director
Ramalah Institute of Technology
& Vice Chairman, G.E.F.

----- Forwarded message -----

From: Devika Brookefield <devika@brookefield.in>

Date: Fri, 19 Apr 2024 at 3:37 PM

Subject: PROPOSAL FOR AMC FOR MSRIT

To: <scf@msrit.edu>

Cc: <shivannaiah.ks@gmail.com>, Pawan Jain <pawan.jain@brookefield.in>

Dear Sir,

Greetings of the day!

PFA the proposal for AMC for the 250 KLD plant at MSRIT campus, as discussed.

Please feel free to contact us for any further clarifications or assistance!

--

Sincerely,

Thanks & Regards,



Devika. B

CEO

Mobile : +91 9538876288 | www.brookefield.in

Doing it Right



Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bengaluru - 560 054



AMC QUOTE
PROJECT - MSRIT, 250 KLD

April 19, 2024

Mr. G Ramachandra,
CFO,
MS Ramaiah Institute of Technology,
Bangalore, KA.

Dear Sir,

Sub. : Providing operators for 250 KLD Sewage treatment plant.

As required, we are pleased to send our offer for providing the service below:

Service	First Year
Operation and maintenance of STP with 3 operators in three shifts with a reliever on Sundays and holidays.	Rs. 1,25,000.00/- per month.
Treated Water Analysis Report (Monthly).	Rs. 5,000.00/- per month.

Terms & Conditions:

1. Payment terms: Monthly payment against invoice within 15 days of submission of invoice.
2. In case of revision in Minimum Wages Act, the operator charges will be revised accordingly.
3. Taxes extra: GST 18%.
4. Escalation of 10% every year as per industry standards.
5. Housekeeping, bar screen screenings-sludge disposal, treated water disposal etc. in client's scope.

Registered Office
E-1001, 5th Cross, 6th Main
NEC Sector 10, 1st Stage
Brookfield
Bangalore, Karnataka 560025
Tel: +91 81 41725115
Email: india@brookfield.in

Work
17-C, KALB, 2nd Stage, 4th
Hoskote, Bangalore 562 111

Branch
HQ: 7th, 4th & 2nd Cross, 1st
Stage, 1st
Jayanagar, Bangalore
Email: india@brookfield.in

Srinivas H
Principal
M.S.Ramaiah College of Arts, Science & Commerce - Autonomous
MSRIT POST, MSRIT
Bangalore





Date: 24.05.2024

M S Ramalah Institute of Technology
M S Ramalah Nagar MSRIT Post,
Bangalore-560054

Dear Sir,

Sub: AMC Taking Over of 250KLD STP Operation & Maintenance at
Adjacent to Law College & MSRIT Alumni Building, MSR Nagar, Bangalore
560054.

Ref: Your WO No: MSRIT/PO/85/24-25 Dt.13.05.2024

We would like to inform you that we have started the AMC contract for operation and maintenance of 250KLD STP with 3operators from 24.05.2024 as per the terms and conditions of the work order.

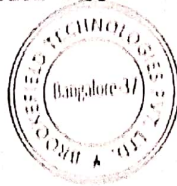
Please hand over the plant to us to operate satisfactorily, We Assuring you our best services at all times.

Thanking you.

Yours truly,

For BROOKFIELD TECHNOLOGIES PVT. LTD.

W. S. Srinivas
Authorized Signatory



Srinivas H
Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bangaluru - 560 054
www.brookefield.in

Registered Office:
E-1304, 5th Cross, 6th Main, AFCS Layout,
HPL Road Brookefields Bangalore 560 037, Karnataka
Tollax +91 80 43705115, Email: contact@brookefield.in

Works:
17-C, KIAIDH Industrial Area
Horokole, Bangalore 562 114





SLN TESTING LABORATORY PRIVATE LIMITED



Recognized by MOEF & CC, ISO 9001:2015, ISO14001:2015,

ISO 45001:2018 & GLP Certified Laboratory

NO.23, JDN Layout, 10th Cross, Raghavendra Industrial Area, Thigalarapalya Main Road,
Peenya 2nd Stage, Bengaluru - 560058, Karnataka, India.

Mob : 9538888098 , 9538888097, E - mail: info@slnlabs.com , Web : www.slnlabs.com

TEST REPORT

Page No. 1 of 1

Report No : SLNT124001101452	Report Date : 30/11/2024
Issued To: M/s. Ramaiah Institute Of Technology MSRIT Post, M S Ramaiah Nagar, MSR Nagar, Bangalore, Karnataka -560054.	Customer Reference : Verbal
Vendor Name: M/s. Brookfield Technologies Pvt. Ltd. Bangalore.	Date of Receipt : 25/11/2024
	Date of test start : 25/11/2024
	Date of Completion of test : 30/11/2024
	Sample Particulars: STP Treated Water

Sl. No	Parameters	Test Method	Units	Results	KSPCB Standard
01	pH Value	IS 3025/Part-11	---	7.85	6.5 - 9.0
02	Total Suspended Solids	IS 3025/Part-17	mg/L	14.6	20 Max
03	Biochemical Oxygen Demand (3days @27°C)	IS 3025/Part-44	mg/L	7.9	10 Max
04	Chemical Oxygen Demand	IS 3025/Part-58	mg/L	39.5	50 Max
05	Total Nitrogen	IS 3025/Part-34	mg/L	7.7	10 Max
06	Ammonical Nitrogen	IS 3025/Part-34	mg/L	1.5	5 Max
07	Faecal Coli form	IS 1622-1981	MPLN/100ml	60	100 Max

Inference: As per KSPCB Standards, The above tested results are within the standards.

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

Shera H
Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR
Bengaluru - 560054
Authorized Signatory

- Note :
1. The results listed pertain only to the tested samples and applicable parameters.
 2. Samples will be destroyed after 15 days from the date of issue of test certificates unless & otherwise specified and all perishable samples will be destroyed immediately after tests conducted.
 3. This report is not to be reproduced either wholly or in part and can not be used as evidence in the court of law and should not be used in any advertising media without prior written permission.
 4. Sampling not done by us, unless specified.



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ISO 45001:2018 & GLP Certified Laboratory



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Peenya 2nd Stage, Bengaluru - 560058, Karnataka, India,
Mob : 9538888008, 9538888097, E-mail: info@slnlabs.com, Web : www.slnlabs.com

TEST REPORT

Page No. 1 of 1

Report No : SLN124001201532	Report Date : 30/12/2024
Issued To: M/s. Ramalah Institute Of Technology MSRI Post, M S Ramaiah Nagar, MSR Nagar, Bengaluru, Karnataka-560054.	Customer Reference : Verbal
	Date of Receipt : 25/12/2024
	Date of test start : 25/12/2024
	Date of Completion of test : 30/12/2024
Vendor Name: M/s. Brookfield Technologies Pvt. Ltd. Bangalore.	Sample Particulars: STP Treated Water

Sl. No	Parameters	Test Method	Units	Results	KSPCB Standard
01	pH Value	IS:3025/Part-11	---	7.10	6.5 - 9.0
02	Total Suspended Solids	IS:3025/Part-17	mg/L	8.6	20 Max
03	Biochemical Oxygen Demand (3days @27°C)	IS:3025/Part-44	mg/L	4.3	10 Max
04	Chemical Oxygen Demand	IS:3025/Part-58	mg/L	29.4	50 Max
05	Total Nitrogen	IS:3025/Part-34	mg/L	6.8	10 Max
06	Ammonical Nitrogen	IS:3025/Part-34	mg/L	<1.0	5 Max
07	Faecal Coll form	IS 1622-1981	MPN/100ml	30	100 Max

Inference: As per KSPCB Standards, The above tested results are within the standards.

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

Shree H
Principal

M.S.Ramaiah College of Arts, Science
Commerce-Autonomous
MSRI POST, MSR Nagar
Bengaluru - 560 054



Authorized Signatory

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