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3/350/2 Mettukuppam,
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Chennai, India

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Green Terra Enterprises,

No. 27A, Saraswathi Nagar Main Road,

Alwarthiru Nagar, Chennai - 600087

Tamilnadu

Email: info@greenterraindia.in

GST No : 33AAVFG8694B1ZY

GTE/DRA/STP/OFF/2024-2025/076

To
Mr. Kumar,
Chennai.

Dear Sir,

Sub: Proposal for Sewage Treatment Plant v

to be installed in your Proposed Project at Ch

This is with reference to your enquiry; we are

DESIGN BASIS FOR SEWAGE TREATMENT PLA

The Sewage Treatment Plant is designed for a

Raw Sewage Characteristics taken for design

S.No	Description of the
1	pH
2	BOD (Biological Oxygen Deman
3	COD (Chemical Oxygen Demanc
4	TSS (Total Suspended Solids)
5	Nitrogen Total
6	Fecal Coliform

STP Treated Water Characteristics: -

PROC











CIVIL WORKS DETAILS & DIMENSIONS:-

S.No	Description
1	Screen Chamber
2	Collection Tank
3	SBR Tank
4	Filter Feed Tank
5	STP Treated Water Tank
6	Aerobic Digestion Tank
7	Foundations for Mechan Equipments

OUR SCOPE OF WORK & SPECIFICATIONS FOR

1. Bar Screen

Description	
Quantity	1 No
MOC	SS 30
Spacing	10m
Make	GTE

2. Raw Sewage Pump

DESCRIPTION	
Quantity	2Nos
Flow	17.5
Head	10m
Motor	2HP

Make	Kirlo

4. Air Blower

DESCRIPTION	
Quantity	2Nos
Capacity	100r
Head	4MV
Noise Level	≤85d
Make	A1 B
Motor	3HP
Motor Make	Kirlo

5. Coarse Bubble Diffuser

DESCRIPTION	

6. Fine Bubble Diffuser

DESCRIPTION	
Quantity	1 Lo
Flow	14m
Size	90m
Medium Of Flow	Air
Type	Slee
Dimension of Bubble	1mm
Service Temperature	80˚C
Membrane Construction	High
Make	Tecp

7. Sludge Transfer Pump

DESCRIPTION	

8. Air Distribution Lines for Collection & SBR T

DESCRIPTION	
Quantity	1Lot
Surface lines MOC	MS
Submerged lines MOC	UPV

9. Filter Feed Pump

DESCRIPTION	
Quantity	2Nos
Capacity	3.75
Head	30 m
Motor	1.5H
MOC	CI
Type	Mon

Maximum Pressure	3.5K
Bursting Pressure	10Kg
Valve	Mult
Type	Verti

11. Activated Carbon Filter

DESCRIPTION	
Quantity	1 No
Diameter	500r
Height	1500
Normal Flow	3.75
Filtering Media	Grad
M.O.C	FRP
Make	Pent

Max.Suction Pressure	1.5m
Make	E - D
PP –Storage Tank	50 Li

13. Piping

DESCRIPTION	
Interconnected Pipes, Fittings	1 Lot
MOC	UPV(
Make	Supr

14. Electrical Works

DESCRIPTION	
Quantity	1 No
Type	Non

SCOPE OF EXCLUSIONS: -

1. Water required for Erection and Commissi
2. All Civil Works, Core cutting works, Plant R
3. Raw Sewage inlet pipe to Screen Chamber,
   not included in our scope of supply.
4. Electro Magnetic Flow Meters if required.
5. All Statutory Approvals. Green Terra will pr
6. Proper Air ventilation should be provided f
7. Electrical Cabling will be laid from our P
   proposed plant it will cost extra.
8. Lighting arrangements and generators if re
   arrangement for tanks
9. Incoming Power Supply to our proposed pa



our services doesn't just end there

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Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

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