

[illegible]

ANAEROBIC AREA						
TANKS	L(meter)	B(meter)	D(meter)	Volume (Cum)	NO.s	Total Volume (Cum)
1	4.40	4.40	4.00	77.44	8.0	619.52
PHYTO REMEDATION AREA						
1	3.54	2.80	2.00	19.82	20.0	396.48
1	3.54	2.95	2.00	20.88	5.0	104.43
BAR SCREEN AND WETWELL AREA						
BS	1.0	2.0	1.50	1.50	1.0	3.0
WW	7.95	2.0	3.60	57.24	1.0	57.24

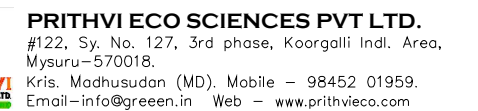
PROJECT : PROPOSED NEBR TYPE STP (200 KLD)

DWG TITLE : TANK DETAILS

DRG NO : SD-46

SCALE : NTS

REV. NO	DATE	DESCRIPTION
R0	13/03/2025	



NOTE

1. STP DRAWING
2. STP TYPE : NATURAL ENDOGENOUS BIO REACTOR
3. TREATMENT METHOD : BIO CHEMICAL OXIDATION
4. STP CAPACITY : 200 KLD
5. PHYTORED METHODS
6. FOR 300 HOUSES ONLY
7. GRADE OF CONCRETE M30.
8. GRADE OF STEEL Fe550.
7. DEVELOPMENT/LAP LENGTHS FOR M30 GRADE
CONCRETE = 50ϕ OF BAR
8. CLEAR COVER FOR SLAB 20mm.
9. 2-3KW POWER REQUIRED.
10. STRUCTURAL DESIGN TO BE DONE AS PER SITE
CONDITION.

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TYPE 02

SECTION AT A-A

REINFORCEMENT DETAILS

PLAN

NOTE

SECTION AT C-C

SECTION AT B-B

AREA - 49.30m X 9.40m

PROJECT : PROPOSED NEBR TYPE STP (200 KLD)

DWG TITLE : TANK DETAILS

DRG NO : SD-47

SCALE : NTS

REV. NO **DATE** **DESCRIPTION**

R0 13/03/2025

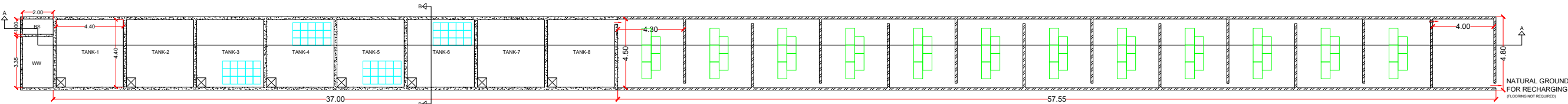
PRITHVI ECO SCIENCES PVT LTD.
#122, Sy. No. 127, 3rd phase, Koorgalli Indl. Area,
Mysuru-570018.
Kris. Madhusudan (MD). Mobile – 98452 01959.
Email–info@green.in Web – www.prithvieco.com

The figure presents a comprehensive architectural design for a Natural Endogenous Bio Reactor (NEBR) type STP. The central element is the Plan view, which shows a rectangular layout divided into eight tanks (TANK-1 to TANK-8), a Wet Well (WW), and a Bar Screen (BS). Dimensions are clearly marked: overall length is 49.30m and width is 9.40m. To the right, Section A-A provides a longitudinal cross-section of the tanks, detailing their internal structure, water levels, and structural components like slabs and soling. Below the plan, Reinforcement Details specify the bar sizes and spacing for various parts of the tanks. To the left, another section (likely C-C or D-D) shows the vertical arrangement of tanks and associated equipment like the hydroxyliser pump and panel rock. On the far left, additional notes and small diagrams describe the wet well construction, filter media, floating wet land rafts, and the storage/maintenance room. At the bottom right, a table summarizes the area calculations for anaerobic, phyto remediation, and bar screen/wetwell areas. The project information at the bottom includes the client name (Prithvi Eco Sciences Pvt Ltd.), address, contact details, and revision history.

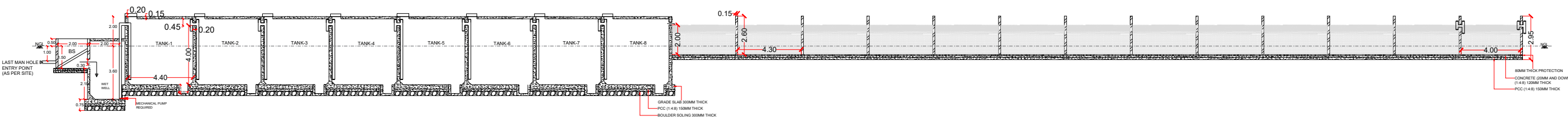
TANKS	L(meter)	B(meter)	D(meter)	Volume (Cum)	NO.s	Total Volume (Cum)
ANAEROBIC AREA						
1	4.40	4.40	4.00	77.44	8.0	619.52
PHYTO REMEDIATION AREA						
1	3.90	9.10	2.00	70.98	6.0	425.88
1	4.10	9.10	2.00	74.62	1.0	74.62
BAR SCREEN AND WETWELL AREA						
BS	1.0	2.0	1.50	1.50	1.0	3.0
WW	7.95	2.0	3.60	57.24	1.0	57.24

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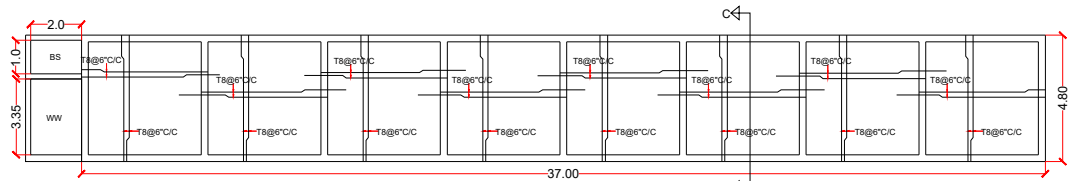
TYPE 03



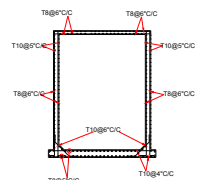
PLAN



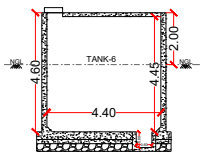
SECTION AT A-A



REINFORCEMENT
DETAILS



SECTION AT C-C

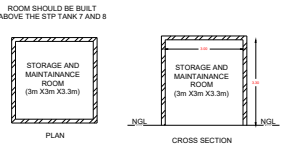
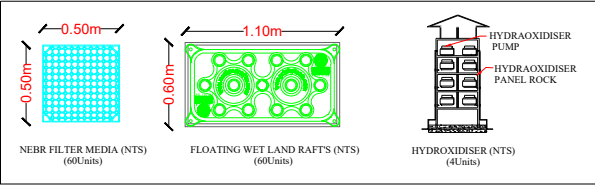


SECTION AT B-B

AREA - 4.80m X 96.70m

ANAEROBIC AREA						
TANKS	L(meter)	B(meter)	D(meter)	Volume (Cum)	NO.s	Total Volume (Cum)
1	4.40	4.40	4.00	77.44	8.0	619.52
PHYTO REMEDIATION AREA						
1	4.50	4.30	2.00	38.70	12.0	464.40
1	4.50	4.00	2.00	36.00	1.0	36.00
BAR SCREEN AND WETWELL AREA						
BS	1.0	2.0	1.50	3.0	1.0	3.0
WW	3.35	2.0	3.60	24.12	1.0	24.12

- NOTE -**
1. **WET WELL** TO BE BUILT IF REQUIRED DEPENDING UPON THE LAST MAN-HOLE DEPTH TO MATCH THE INLET LEVEL OF **BAR SCREEN**.
 2. BASED ON SITE CONDITION STP CAN BE BUILT ABOVE OR PARTIALLY ABOVE **GROUND LEVEL**.



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 7. GRADE OF CONCRETE M30.
 8. GRADE OF STEEL Fe550.
 7. DEVELOPMENT/LAP LENGTHS FOR M30 GRADE CONCRETE = 50XØ OF BAR
 8. CLEAR COVER FOR SLAB 20mm.
 9. 2-3KW POWER REQUIRED.
 10. STRUCTURAL DESIGN TO BE DONE AS PER SITE CONDITION.

PROJECT : PROPOSED NEBR TYPE STP (200 KLD)

DWG TITLE : TANK DETAILS

DRG NO : SD-48

SCALE : NTS

REV. NO	DATE	DESCRIPTION
R0	13/03/2025	



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