

PMC for 400 MLD SWRO Desalination Plant at Perur, Chennai

Consortium Partners

SMEC International Pty. Ltd. (ACN-065440619/FCRN-F01483)

NJS Engineers India Pvt Ltd, India (CIN - U74210PN2007PTC129798)

Tata Consulting Engineers Limited, India (CIN- U74210MH1999PLC123010)

SMEC (India) Pvt. Ltd. (CIN: U93000DL1997PTC088574)



Ref: SSNT PMC 400 MLD / CMWSSB / 5061185/445

Date: 24 November 2021

To,
The Superintending Engineer (Desalination)
Chennai Metropolitan Water Supply and Sewerage Board,
Urban Administrative Building,
2nd Floor, No.75, Santhome High Road,
Raja Annamalaipuram,
Chennai 600 028
Tamil Nadu, India

Sub: JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"
Submission of drawings for proposed Water Distribution System and layout plan for proposed Overhead Tank for Area-XIII for CP4 component – Reg.

Ref: 1. Our Letter no. SMEC/ CMWSSB / 7061563/005, dated 20.01.2020
2. Your Letter no. CMWSSB/SE(Desal)/400 MLD Plant / PMC/2020, dated 13.01.2020
3. Our Contract Agreement with CMWSSB, dated 09.01.2020

Dear Sir,

With reference to above subject project, please find enclosed the drawings for proposed Water Distribution System and layout plan for proposed Overhead Tank for Area-XIII for CP4 component for persual.

Thanking you and always assuring our best services.

Yours truly,

For **Consortium of SMEC International Pty Ltd-TCE Ltd.-NJS Engineers India Pvt. Ltd.-SMEC (India) Pvt. Ltd.**

S. Srinivasarao
Project Coordinator

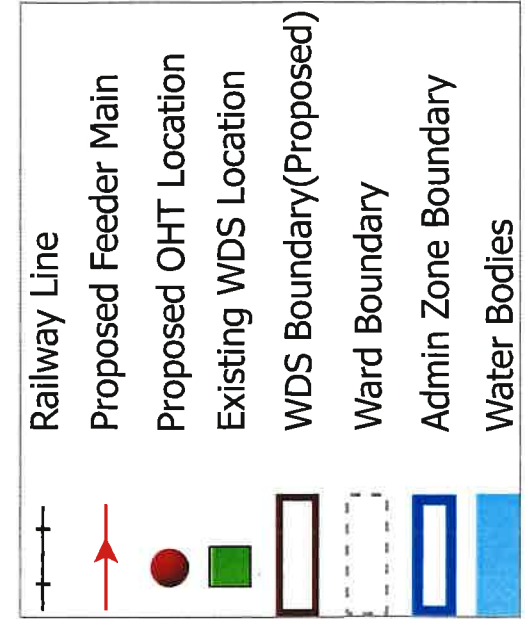
Encl: As above

PMC Chennai Office Address:

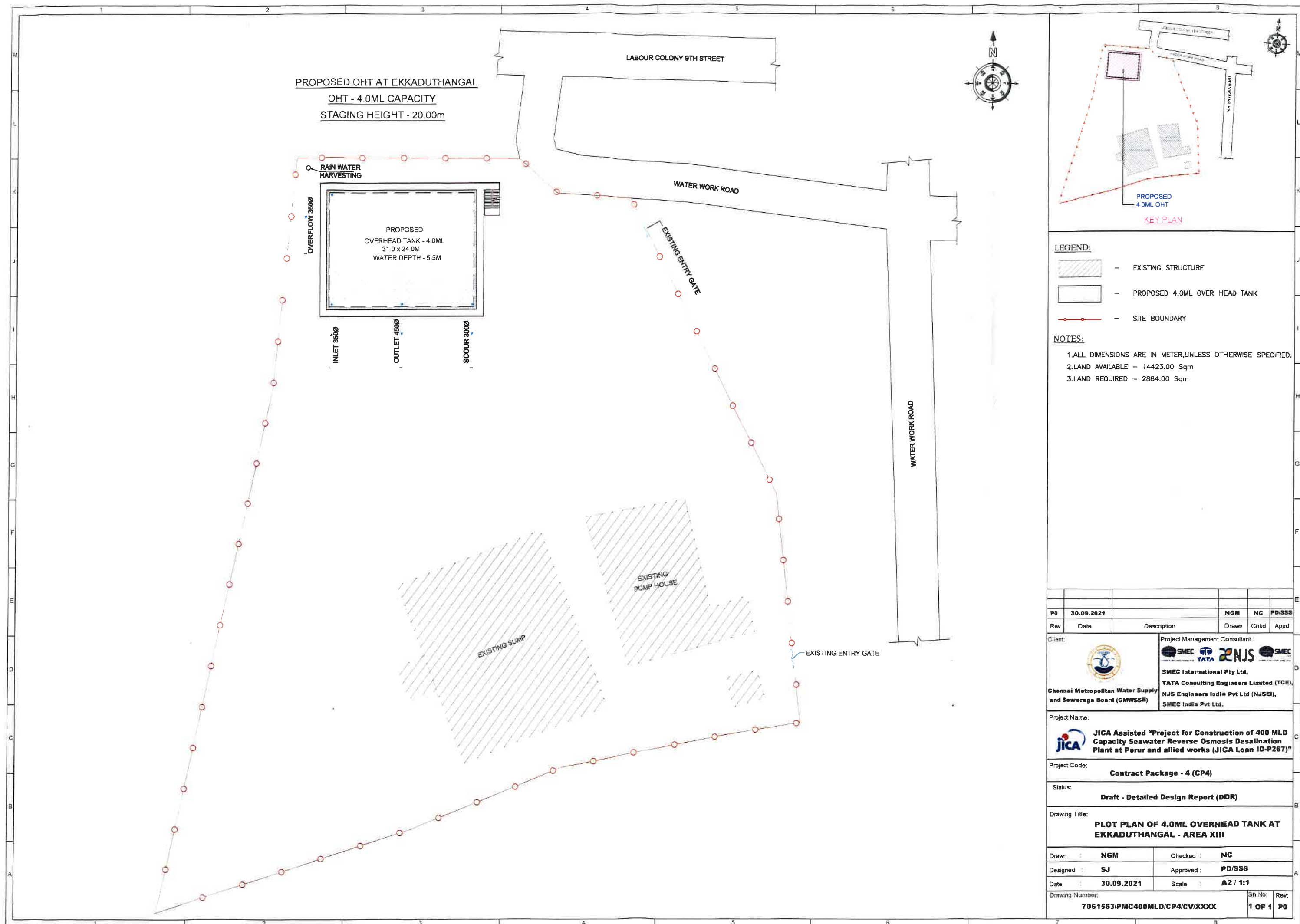
13th Floor, Purva Primus, No 236, Okhiyampettai, Old Mahabalipuram Road, Thoraipakkam, Chennai, Tamil Nadu 600097

☎ +91 044 66973300 ✉ indiabd@smec.com 🌐 www.smec.com

o/c
Recd
24/11/2021
S. Srinivasarao



S.No	WDS Name	UGT Capacity in ML	OHT Capacity in ML	Beneficiary Ward No	Population in thousands in 2055	Demand in MLD for 2055	D'system
1	Nandanam	11.50	-	173	41.92	7.18	Pumping
2	Pallipattu	17		170(P),171,172, 140(P)	127.24	21.41	Pumping
3	Ekkattuthangal	4.50	4.00	170	74.35	12.45	Gravity
4	Velachery New	2.00	-	174	34.98	6.05	Pumping
5	Velachery old	7.30	-	177,178	126.62	21.34	Pumping
6	Basant Nagar,4th cross		5.00	175,176,180(P)	115.23	19.48	Gravity
7	Thiruvannmiyur	3.00	5.00	181,182	100.16	17.04	Gravity
8	Tharamani		5.00	179,180(P)	98.93	16.82	Gravity
				Total	719.43	121.77	

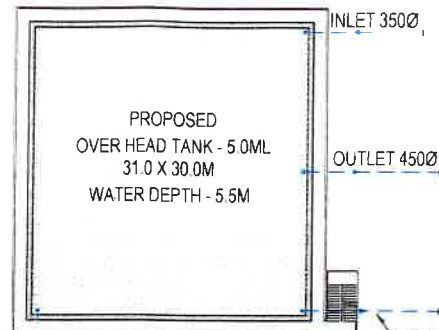


PROPOSED OHT AT BESANT NAGAR

OHT - 5.0ML CAPACITY

STAGING HEIGHT - 20m

RAIN WATER
HARVESTING



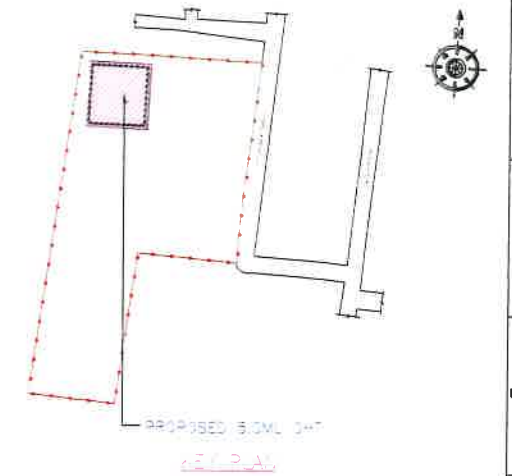
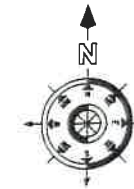
SCOUR
300Ø

OVERFLOW 350Ø

ENTRY GATE

4TH CROSS STREET

1ST MAIN ROAD



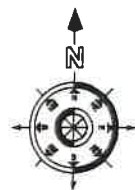
LEGEND:

- EXISTING STRUCTURE
- PROPOSED 5.0ML OVER HEAD TANK
- SITE BOUNDARY

NOTES:

- ALL DIMENSIONS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
- LAND AVAILABLE - 14475.00 Sqm
- LAND REQUIRED - 4461.00 Sqm

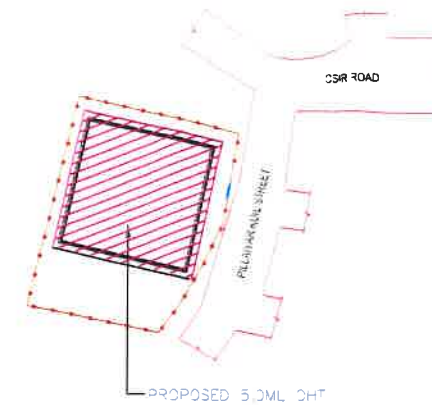
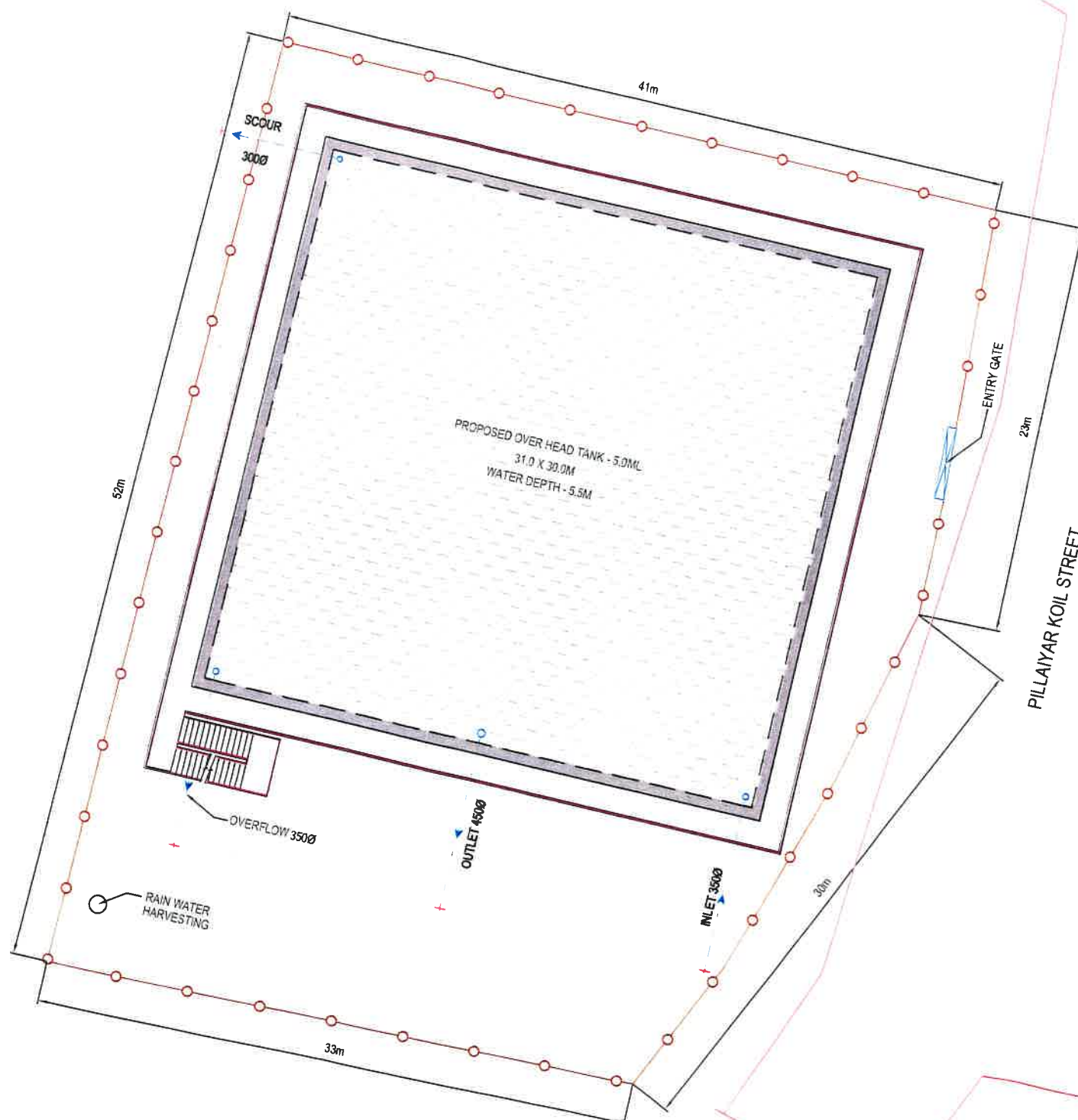
PO		23.09.2021	NGM		NC	PD/SSS
Rev	Date	Description	Drawn	Chkd	Appd	
Client:			Project Management Consultant			
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)			SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSI), SMEC India Pvt Ltd.			
Project Name:			JICA Assisted "Project for Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur and allied works (JICA Loan ID-P267)"			
Project Code:			Contract Package - 4 (CP4)			
Status:			Draft - Detailed Design Report (DDR)			
Drawing Title:			PLOT PLAN OF 5.0ML OVERHEAD TANK AT BESANT NAGAR - AREA XIII			
Drawn	NGM	Checked	NC			
Designed	SJ	Approved	PD/SSS			
Date	23.09.2021	Scale	A2 / 1:1			
Drawing Number:			7061563/PMC400MLD/CP4/CV/XXXX		Sh. No.	Rev.
					1 OF 1	P0



PROPOSED OHT AT THARAMANI

OHT - 5.0ML CAPACITY

STAGING HEIGHT - 20m





LEGEND:

- EXISTING STRUCTURE
- PROPOSED 5.0ML OVER HEAD TANK
- SITE BOUNDARY

NOTES:

- ALL DIMENSIONS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
- LAND AVAILABLE - 2041.00 Sqm
- LAND REQUIRED - 2041.00 Sqm

PO	04.10.2021		NGM	NC	PD/SSS
Rev	Date	Description	Drawn	Chkd	Appd
Client:		Project Management Consultant:			
					
Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)		SMEC International Pty Ltd, TATA Consulting Engineers Limited (TCE), NJS Engineers India Pvt Ltd (NJSEI), SMEC India Pvt Ltd.			
Project Name:					
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Status:					
Draft - Detailed Design Report (DDR)					
Drawing Title:					
PLOT PLAN OF 5.0ML OVERHEAD TANK AT THARAMANI - AREA XIII					
Drawn : NGM		Checked : NC			
Designed : SJ		Approved : PD/SSS			
Date : 04.10.2021		Scale : A2 / 1:1			
Drawing Number:			Sh No:		Rev:
7061563/PMC400MLD/CP4/CV/XXXX			1 OF 1		P0