



**CHENNAI METROPOLITAN WATER SUPPLY  
AND SEWERAGE BOARD**

Letter No: CMWSSB/SE(Desal)/400 MLD Plant/PMC-55/2021

Dt: 24.11.2021

To

M/s. SMEC International Pty Limited, Australia in consortium  
with M/s. NJS Engineers India Pvt Ltd., Pune,  
M/s. Tata Consulting Engineers Ltd., Mumbai,  
M/s. SMEC India Pvt. Ltd, Haryana  
1<sup>st</sup> Floor, Novus Tower, West Wing  
Plot Number – 18, Sector – 18  
Gurgaon – 122015, Haryana.

Sir,

Sub: CMWSSB- SE (Desal) – Project for Construction of Chennai Sea Water Desalination Plant (I) - Setting up of 400 MLD SWRO Desalination Plant at Perur & its allied works - Consultancy for Design, Preparation of Bid Documents & Evaluation of Bids for the Proposed Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur along East Coast Road, South of Chennai, Tamil Nadu and Construction Management & Supervision for the proposed Desalination Plant and its Product water Conveyance Pipeline from the Plant and upto Porur and all allied works - Project Management Consultant (PMC) services – Design of Improvement to existing water supply system in Area-X - Reg.

Ref: 1) e-mail dated 25.10.2021 from the Project Management Consultant.  
2) e-mail dated 12.11.2021 from the Project Management Consultant.

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Kind attention is invited to the above subject.

In this regard, it is informed that following points are to be considered for design of OHT's in Area-X;


1. 2 no of OHT's in Choolaimedu WDS to be designed for Circular, one at entrance gate and other at rear side and the Size of Circular tank will be checked based on the demand requirement.
2. All foundation of OHT's to be adopted as per the Geo-Technical investigation at respective locations.
3. The depth of water tank may be taken as 5.0 m (including free Board).
4. As the proposed OHT 6.0 ML in KK Nagar SPS is ruled for serving in depots 137, 138 & 128(P) and the direct pumping of 6.0 ML from KK nagar serving in depots 133, 135 & 140 are modified and revised to locate inside the KK Nagar WDS site. Totally 3 Nos of New OHT of circular 3.5 ML, 6.0 ML & 6.0 ML been proposed in the KK Nagar WDS.

5. The OHT's in Ashok Nagar, West Mambalam & United Colony to be retained to original outline ensuring water depth of 5.0m and in United Colony OHT, RCC partition wall may be adopted to reduce the shear load and moment in design.

The details of Locations, Land and OHT considered by PMC are furnished below:

Sl. No.	Name of WDS	Depots Served	Land Details			Initial Proposed of OHT		Finalised OHT Details	
			Location	Land available (Sqm)	Land Required (Sqm)	Capacity (ML)	Shape	Capacity (ML)	Shape
1	Choolaimedu	127, 128(P), 129(P), 130(P)	D-127, Kalamman Koil Street	8622	3605 (To Revise)	10.00 (5ML x 2)	Rectangular	2 – Nos (10 ML Total)	Circular
2	KK Nagar	131, 129(P), 130(P)	D-131, Raja Mannar Salai	10566	1943 (To Revise)	3.50	Rectangular	3.50 ML	Circular
3		137, 138, 128(P)			(To Revise)	-	-	6.00 ML	Circular
4		133, 135, 140			(To Revise)	Direct Pumping	-	6.00 ML,	Circular
5	Ashok Nagar	132, 139(P)	D-132, First Avenue	1240	1240	3.50	Rectangular	3.50	Rectangular
6	United Colony	134	D-134, 5 <sup>th</sup> Cross Street	931	931	2.00	Rectangular	2.00	Rectangular
7	West Mambalam	139(P), 142(P), 170(P)	D-139, 7 <sup>th</sup> Avenue	1468	1468	4.00	Rectangular	4.00	Rectangular
8	KK Nagar (SPS)		D-137, Alagirisamy Salai	3975	2554 (To Revise)	6.00	Rectangular	Shifted & proposed 6.00 ML to KK Nagar WDS mentioned in SI.No.3	

Hence, It is requested that PMC to proceed further for designing of OHT including detailed estimate for Area-X at the earliest.

  
24/11/2021

CHIEF ENGINEER (P)-III