

## 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 / 5061185/358

Date: 15<sup>th</sup> June 2021

To,  
**The Superintending Engineer (Desalination)**  
Chennai Metropolitan Water Supply and Sewerage Board,  
Urban Administrative Building,  
2<sup>nd</sup> Floor, No.75, Santhome High Road,  
MRC Nagar, 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)"  
**Action Taken Report / Reply to Queries on the Concept Design Report for CP1 – Reg.**

**Ref:** 1. Your Letter no. Lr.no.CMWSSB/SE(Desal)/400 MLD Plant / PMC-43/2021, dated 10.06.2021  
2. MS Teams Meeting held on 02.06.2021  
3. Our Letter no. Ref: SSNT PMC 400 MLD / CMWSSB / 5061185/336, dated 23.04.2021  
4. Our Letter no. Ref: SMEC/ CMWSSB / 7061563/005, dated 20.01.2020  
5. Your Letter no. Lr.no.CMWSSB/SE(Desal)/400 MLD Plant / PMC/2020, dated 13.01.2020  
6. Our Contract Agreement with CMWSSB, dated 09.01.2020

Dear Sir,

With reference to the queries received through an email from CMWSSB (on 14.06.2021) vide your letter cited in reference no.1, dated 10.06.2021, please find below details of the action taken report / reply to queries on the Concept Design Report for CP1 component for the subject project.

Sl. No.	Queries from CMWSSB on the Concept Design Report	Action Taken Report/ Reply to Queries
1	In Capex cost as per Table-61, Seawater Intake and Outfall system, PMC worked out cost of Rs. 665.7 crores. Whether this cost is arrived for outfall pipeline of 750m length.	The above cost is based on an 1800m outfall pipeline. In the 750m outfall pipeline, the cost of the outfall pipeline will reduce by about 35%. In that case, the overall intake and outfall cost will reduce by about 100 crores i.e., 665.7 crores to 565.7 crores.
2	Whether RO system cost is arrived for conventional system.	Yes, the cost is based on conventional RO system design - 18 units of 25 MLD RO trains.
3	Kindly furnish the breakup cost of Administrative Building of Rs.25.50 crores.	<ul style="list-style-type: none"><li>Architectural &amp; structural Design : 1 crore</li><li>Ground preparation &amp; foundation : 2 crores</li><li>Building construction – all civil works up to 3 floor: 15 crores</li><li>Interiors and exterior designs and full furnishing as per specifications: 7.5 crores</li></ul>

### PMC Chennai Office Address:

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

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Sl. No.	Queries from CMWSSB on the Concept Design Report	Action Taken Report/ Reply to Queries
4	Whether the OPEX cost is arrived for conventional system design.	Yes, OPEX is based on conventional system design. However, any additional energy cost due to increased salinity of intake seawater feed due to brine diffusion has not been considered in the O&M cost calculation.
5	As per the submission of retaining wall/ compound wall drawing from PMC, it is proposed for retaining wall only for 3 sides of boundary of the plant, which needs to be clarified why west side not considered.	The boundary wall will be on all side of the project site. There will be a retaining wall on all 3 sides except west, to retain high sea waves during the Tsunami / to retain the backfilled soil (to +6.50m).

Thanking you assuring our services at all times.

Yours truly,

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

**S.Srinivasarao**  
Project Coordinator

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