

**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 / 5061185/420

Date: 11 October 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,  
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)"  
**Capacity Development - On Job Training (OJT) to CMWSSB Staffs – 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,

It is to inform you that the PMC is mandated to provide the Capacity Development and Organizational Improvement work through On-Job Training (OJT) to CMWSSB staff as per the Contract Agreement vide reference at Sl. No. 3 above for the subject project. Given the above, we have compiled the following tentative list of OJT areas, which may be modified to suit the Project and CMWSSB requirements:

- Geographical Information System (GIS);
- Bentley WaterGEMS;
- Assistance in development of capability for maintenance of the database; and
- Environmental management, so that EMoP would be carried out appropriately in the O&M of the Seawater Desalination Plant.

In this endeavour, attached is the draft training plan with a timeline for your review and confirmation. PMC request to nominate the CMWSSB's officials who are required to be trained in this respect.

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



Encl: As above

**PMC Chennai Office Address:**

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

+91 044 66973300 | [indiabd@smec.com](mailto:indiabd@smec.com) | [www.smec.com](http://www.smec.com)

# **TRAINING PROGRAM**

Training Period: to be decided

Duration of Training: 3 days

## **Day 1— Training on following subject:**

### **Morning Session:**

- Brief on training model
- Brief on difficulties encountered in the system and improvement works
- Brief on development of digital pipe inventory data base using Geographical Information System (GIS)

### **Afternoon Session:**

- GIS application to update water distribution network system.
- Discussion on mapping of consumers in GIS application
- Practical session (GIS application)

## **Day 2 — Training on following subject:**

### **Morning Session:**

- Base map preparation in GIS
- Brief on design software (features)
- Base model preparation with demand allocation

### **Afternoon Session:**

- Design of network using WaterGEMS software including creation of DMA's
- Outcome of the design and discussion

## **Day 3 — Training on following subject:**

### **Morning Session:**

- Brief on maintenance of the database
- Brief on water loss reduction and control plan
- Brief on SCADA

### **Afternoon Session:**

- Brief on Environmental Management Plan
- Brief on public awareness issues such as consumer metering, water tariff, sanitation and water saving

Note: Training timings : 10 am to 5 pm  
Tea Break : 11.30 am to 11.45 am  
Lunch Break : 1.30 pm to 2.00 pm  
Tea Break : 3.30 pm to 3.45 pm

