

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/ 287

Date: 19th February 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 Seawater Reverse Osmosis
Desalination Plant at Perur (JICA Loan ID-P267)
Reply to your email dated February 15, 2021 CP1 RfP – Substation – Reg.

Ref

1. Email received from SE (Desal), CMWSSB, dated 15.02.2021
2. Your Letter no. Lr.no. CMWSSB/SE(Desal)/400 MLD Plant / PMC/2020, dated 13.01.2020
3. Our Contract Agreement No. CNT/CON/DESAL/ICB/Gol/016/2018-19, dated 09.01.2020

Dear Sir,

With reference to the above subject matter, we have taken note of your reference to the Minutes Of Discussion (MOD) regarding the 230/33kV and 33/11kV substations for the 400MLD SWRO Desalination Plant and seeking clarification for considering the 230/110kV and 110/11kV substations instead of the 230/33kV and 33/11kV substations.

Please refer to our discussion on RFP document review (Chapter-8 Electrical Specifications) in the meeting held between the PMC and CMWSSB in 6th January 2021. During the meeting, CMWSSB had asked PMC specifically to change the power rating and include 230/110kV transformer and 110kV power line to the desalination plant. PMC agreed the suggestion based on the cost consideration of laying 900m long underground buried XLPE cables which is more expensive for 33kV line compared to the 110kV line. Also, please note that utilizing the 11kV system voltage for pump station motors of bigger capacity will be more economical in India as 11kV motors are manufactured and widely used in India.

We would like to bring to your attention that PMC has not considered 230/33kV substations and associated power transmission cables in the cost estimate as these are considered to be executed separately by CMWSSB. Please refer to the JICA Final Report, Chapter 6, page no. 61 to 67, wherein, it implies that the 230/33 KV substation is in the scope of CMWSSB. However, we have also taken note that under "Detailed scope of works" (page no.48) in Attachment 3 of MOD, wherein it indicates that 230/33kV substation, 33/11kV substation and power transmission line between the substations (900m) are in the CP1 scope of works. Therefore, we are planning to include these tasks too in the CP1 scope of works as per your suggestion.

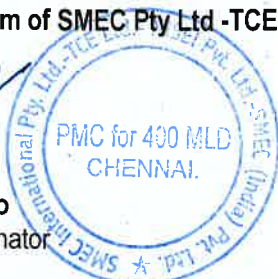
In light of the above, PMC would like to have a discussion with you, if CMWSSB wishes to use the 33/11kV substation at the plant and accordingly we will make changes in RFP document and drawings.

Thanking you and assuring you our services at all times.

Yours truly,

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


S. Srinivasarao
Project Coordinator



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