

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: SMEC/ CMWSSB / 5061185/046

Date: 12th April 2020

To,
The Superintending Engineer (Desalination)
6th floor, Chennai Metropolitan Water Supply and Sewerage Board,
No.1, Pumping Station Road,
Chintadripet, Chennai 600 002
Tamil Nadu, India

Sub: 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"
Replacement of Staff – Reg.

Ref: 1. Your Letter no. Lr.no. CMWSSB/SE(Desal)/400 MLD Plant/PMC-005//2020, dated 13.03.2020
2. Our Letter no. Ref: SMEC/ CMWSSB / 5061185/021, dated 05.03.2020
3. Our Contract Agreement with CMWSSB, dated 09.01.2020

Dear Sir,

It is to bring to your kind notice that two key international staff are opted not take part in the current project owing to their personal reasons and due to the current worldwide Corona pandemic. These are Mr. John GOULLEE, Pipeline Engineer (International Expert) and Mr.Sergio de Bastos Vilar Magalhaes Paulo (Electrical Engineer (Desal) – International Expert.

Hence, we are proposing the following two key international staff who are meeting the criteria and better experienced as a replacement to the above. In addition, we are also proposing a Quantity Surveyor as non-key local staff for this assignment.

The brief of the proposed staff has been given below:

Sl.No.	Proposed Staff Name	Position	Brief
1	Mr.Balvinder Singh Bahra (Key Position)	Pipeline Engineer (International Expert)	Mr.Balvinder Singh Bahra is a Civil Engineer with more than 40 years of rich experience in various Water supply projects including Transmission and distribution pipeline projects in developing and developed countries. Involving in Design and Supervision of projects in the capacity of Team Leader, Resident Engineer, Senior Pipeline Engineer including expertise in large diameter water pipelines of more than 1000mm dia. of Mild Steel pipe of 130 km length. Has worked on multilateral funded projects (World, Bank, JICA, AFD, Capital Fund, Government of Netherland (ORET) etc.) on FIDIC contracts. He has international experience in various countries such as Kenya, Bangladesh, India, Mozambique, Tanzania, Nigeria, Zambia, Zimbabwe and England.

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

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Sl.No.	Proposed Staff Name	Position	Brief
2	Gilbert Z. Gonzales (Key Position)	Electrical Engineer (Desal) – International Expert.	Mr.Gilbert Z.Gonzales holds a <u>degree in Bachelor of Science in Electrical Engineering</u> , a Professional Electrical Engineer and has over 32 years experience in Engineering, Procurement, Construction, Quality Assurance, Quality Control, Testing & Commissioning, Contract Management, Project Management and Maintenance of different Mechanical, Electrical, ELV, Instrumentation & Control, SCADA, Data and Telecommunication Systems for Infrastructure and Industrial Projects, 300kV Substation / Transmission Line, 132kV Substation/ Transmission Line, 66kV Substations, 33kV Substations, 11kV Substations, Pump Stations, Lifting Stations, Utility Tunnels, Sewage Treatment Plant, Water Treatment Plant with Reverse Osmosis Plant, Raw Water Intake Pump Station, Sea Water Intake Pump Station, SWRO Plants , Industrial, Commercial Buildings, Office Tower Building, Oil and Gas Field Camp Facilities gained from the Gulf Region (27 yrs.) and from Asia Pacific (5+ yrs.).
3	Mr.R.Muthurajan (Non-Key and Non evaluation position)	Quantity Surveyor	Mr.R.Muthurajan holds a Bachelor of Technology in Civil Engineering with over 12 years of rich experience in construction of Water Pipeline Networks, Water Treatment Plant, Treated Water Reservoir, Water Pumping Station, Under Ground Tank, Elevated Tank, Building Structure, Pipe Carrying Bridges, Roads, Box and Pipe Culvert, Storm water Drainage Network, Drains, Sewerage Pipeline Networks, Sewerage Pumping Station, Open Channels, Sewage Pumping Station, Sewage Treatment Plant etc. Working experience in laying & testing of Ductile Iron Pipe and networks. Having experience in JICA, AMRUT and ADB funding project.

While selecting the replacement staff, we have made detailed evaluation against the original staff and RfP requirements and these evaluation sheets are attached along the proposed CV for your easy review and reference. We felt that the above proposed staff are well qualified and possess good experience in their respective field.

We now seek your approval for the above staff and upon receipt of your approval, we mobilise the staff to project.

Thanking you and assuring you of our best services always.

Yours truly,

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

S.Srinivasa Rao
Project Coordinator
SMEC India Pvt. Ltd.

Encl: CV and evaluation sheet of Mr.Balvinder Singh Bahra, Gilbert Z. Gonzales and Mr.R.Muthurajan

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Project Name: 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"

Replacement of Pipeline Engineer (International)- Comparison Sheet:

Sl.No.	RFP Requirements	Original CV Evaluation	Proposed CV Evaluation
1	Name	Mr. John GOULLEE	Mr. Balvinder Singh Bahra
2	Nationality	Australian	British
3	Educational Qualifications: ▪ Graduate in Civil Engineering	B.Sc. Civil Engg. – (Univ. of Cape Town), 1980 Overall 38 Years of Experience.	BSc Civil Engineering - Loughborough University of Technology, England, 1978. Overall more than 40 years of experience.
4	Experience Criteria: ▪ 10 years' Experience in Water supply projects ▪ Atleast 3 experience of transmission or distribution pipe of total length of 30Km or more	<ul style="list-style-type: none"> • More than 30 years of water supply projects • Meets the requirement 	<ul style="list-style-type: none"> • More than 32 years of experience in water supply projects. • Meets the requirement
5	Adequacy for the Assignment: ▪ Experience of the Key Experts in MS Pipeline of minimum size of 1000mm for a minimum length of 6.5KM (in Design, Tender Assistance, Construction Management & Supervision with 3 or more projects)	i. 194km of large dia. (upto 1400mm) MS pipe (Oman) ii. 30km of DN1400 MSCL T'main (Perth, Australia) iii. 105 km / DN1200 MSCL pipe (Perth, Australia) iv. 22km of 1000mm dia. MSCL pipe (Cape Town, South Africa)	i. 5Km of 1200mm dia. of RW main, 50Km of 1200mm to 1000mm dia. Clear Water main of MSCL pipe (Nairobi / Kenya) ii. 9 Km T'Main 1500mm dia. MSCL pipe of treated water to main reservoir (Guwahati / India) iii. 55km transmission mains of dia 1400mm of MSCL pipe (Tanzania)
6	Familiarity with language & conditions of the Country Points	Worked in developed and Developing countries like Australia, Qatar, Oman, Kuwait, Mozambique and South Africa.	Worked in developed and Developing countries like England, India, Bangladesh, Nairobi, Tanzania, Nigeria, Mozambique, Zambia, Zimbabwe. Possess working experience in India and Bangladesh in JICA and WB funded projects. Hence, he can understand the working conditions and procedures.
7	Familiarity with the Language (English)	Very Good	Very Good.

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Replacement of Electrical Engineer (Desal) – International Expert No.6- Comparison Sheet:

Sl.No.	Details as per RfP Requirements	Original CV Evaluation	Proposed CV Evaluation
1	Name	Mr.Sergio de Bastos Vilar Magalhaes Paulo	Mr.Gilbert Z. Gonzales
2	Nationality	Portuguese	Filipino
3	Educational Qualifications: Graduate in Electrical Engineering	Graduate in Electromechanical Engineering Overall 14 Years of Experience.	B.Sc. Electrical Engineering (Philippines) Overall more than 32 years of experience.
4	Experience Criteria: ▪ 10 years' Experience in SW DSP ▪ 2 nos. of project experience of SWRO of 20 MLD or more	<ul style="list-style-type: none"> More than 10 years of experience in SWRO Desalination projects. Meets the requirement 	<ul style="list-style-type: none"> More than 15 years of experience in SWRO Desalination & Water treatment projects. Meets the requirement
5	Adequacy for the Assignment: ▪ Experience of the Key Experts in Desalination Plant of minimum capacity 40 MLD (in Design, Tender Assistance, Construction Management & Supervision with 3 or more projects)	i. RAS ABU FONTAS RAFA3 RO DSP 164MLD Reverse Osmosis Desalination Plant (Doha, Qatar) ii. Punta Cardón Oil Refinery Reverse Osmosis Desalination Plant - Paraguana Complex at Punto Fijo, Venezuela. 70MLD Reverse Osmosis Desalination Plant	i. Sabiya Power Station SWRO plant of 12 MIGD (55 MLD) SWRO Desalination Plant, Kuwait ii. SIDRA Medical and Research Center in Qatar, 25 MLD Water Treatment Plant with Sea Water Reverse Osmosis. iii. Davao City Bulk / water Supply Project 350 MLD WTP with Reverse Osmosis Process (Getting water supply from a river which has presence of Pesticide & Cadmium. The only solution to remove the Pesticide & Cadmium is through a Reverse Osmosis process, similar to SWRO Reverse Osmosis Plant), Philippines iv. Rizal Province Water Supply Improvement Project 100 MLD Capacity (Phase 1 & 2) of each 50 MLD WTP with Reverse Osmosis Desalination Plant, (Getting water supply from a lake in which the salinity level of the water is high during summer season as it is connected to the Manila Bay which is a salt water. During summer when salinity level is high the water from Dual Media Filter is diverted to the Reverse Osmosis Plant to remove the salty water), Philippines
6	Familiarity with language & conditions of the Country Points	Worked in developed and Developing countries like Qatar, Portugal, Spain	Worked in developed and developing countries like Philippines, Kuwait, Qatar, UAE Possess working experience in various countries and similar projects. Hence, he can understand the working conditions and procedures.
7	Familiarity with the Language (English)	Very Good	Very Good.

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Replacement of Quantity Surveyor – 1 (National Local Expert LE20)- Comparison Sheet:

Sl.No.	RfP Requirements	Original CV Evaluation	Proposed CV Evaluation
1	Name	Mr.K.C.Vinod Chandra	Mr.R.Muthurajan
2	Nationality	Indian	Indian
3	Educational Qualifications: ▪ Graduate in Civil Engineering	B.E (Civil Engineering) from Sri Siddhartha Institute of Technology, Tumkur, Visvesvaraya Technological University in the year 2010 Overall 9 Years of Experience.	B.Tech (Civil Engineering) (Part Time), SRM University, Chennai in the year 2012 Overall more than 12 years of experience.
4	Experience Criteria: ▪ Minimum 5 years' experience	<ul style="list-style-type: none"> • More than 9 years of experience in infrastructure / water supply projects • Meets the requirement 	<ul style="list-style-type: none"> • More than 11 years of experience in infrastructure / water supply projects. • Meets the requirement
5	Adequacy for the Assignment: Experience (in Construction Management & Supervision)	<ul style="list-style-type: none"> i. Pimpri Chichwad smart city infrastructure development ii. LULU Mall STP of capacity 450 KLD and UG Sump of capacity 1100 KLD, Trivandrum iii. Prestige Tech Park – 4 (IT Buildings and infrastructure development), Bengaluru 	<ul style="list-style-type: none"> i. Pallavaram water supply and Improvement Scheme (Chennai Metropolitan Water Supply & Sewerage Board) ii. Pammal water supply and Improvement Scheme (Chennai Metropolitan Water Supply & Sewerage Board) iii. Construction of Hogenekkal water supply and Fluorosis Mitigation Scheme, Tamil Nadu
6	Familiarity with language & conditions of the Country Points	Worked in various states of India	Worked on CMWSSB and TWAD Board projects in Tamil Nadu Hence, he can understand the working conditions and procedures.
7	Familiarity with the Language (English)	Good	Good