



AN ISO 9001 & 14001 COMPANY

TENDER DOCUMENT

NIT No: SRO/CON/ETS/242 dated 01.07.2024

FOR

Tender for "Special Repair Work for "The Upgradation/ Augmentation of Electro- Mechanical Equipment at existing STP & ETP to enhance the treatment capacity for the expansion to 1000 beds with induction of recycling scheme in the form of Ultrafiltration system. (STP Augmentation from 350 KLD to 550 KLD and Augmentation of ETP 40 KLD) in ESIC at Medical College & Hospital at K.K.Nagar, Chennai, Tamil Nadu Region for FY 2023-24"

VOLUME – III

Price Bid / BOQ

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT.OF INDIA ENTERPRISE)
Southern Regional Office, Chennai

Tender Inviting Authority: General Manager (Contracts-SR),
Engineering Projects (India) Ltd.
(A Govt. of India Enterprise)
3D, EC Chambers, 92 GN Chetty Road
T.Nagar, Chennai-600017

Name of work: The Upgradation/ Augmentation of Electro- Mechanical Equipment at existing STP & ETP to enhance the treatment capacity for the expansion to 1000 beds with induction of recycling scheme in the form of Ultrafiltration system. (STP Augmentation from 350 KLD to 550 KLD and Augmentation of ETP 40 KLD) in ESIC at Medical College & Hospital at K.K.Nagar, Chennai, Tamil Nadu Region for FY 2023-24

Tender no : SRO/CON/ETS/242

| <div> <div>Name of the Bidder/ Bidding Firm / Company :</div> <div></div> </div> | | | | | | | |
|---|---|------------------|----------|--------|-------------------------|----------------------------------|---|
| <div> <div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</div> </div> | | | | | | | |
| NUMBER # | TEXT # | TEXT # | NUMBER # | TEXT # | NUMBER | NUMBER # | TEXT # |
| Sl. No. | Item Description | Item Code / Make | Quantity | Units | Estimated Rate in Rs. P | TOTAL AMOUNT With Taxes in Rs. P | TOTAL AMOUNT In Words |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | The Upgradation/ Augmentation of Electro- Mechanical Equipment at existing STP & ETP to enhance the treatment capacity for the expansion to 1000 beds with induction of recycling scheme in the form of Ultrafiltration system. (STP Augmentation from 350 KLD to 550 KLD and Augmentation of ETP 40 KLD) in ESIC at Medical College & Hospital at K.K.Nagar, Chennai, Tamil Nadu Region for FY 2023-24 | | | | | | |
| 1.01 | Part A (SCHEDULE 1A - ETP) | Item no 1 | 1.00 | Nos | 4,41,611.02 | 4,41,611.02 | INR Four Lakh Forty One Thousand Six Hundred & Eleven and Paise Two Only |
| 1.02 | Part -B "SCHEDULE 1B - STP" | Item no 2 | 1.00 | Nos | 12,56,351.12 | 12,56,351.12 | INR Twelve Lakh Fifty Six Thousand Three Hundred & Fifty One and Paise Twelve Only |
| 1.03 | Part -C "SCHEDULE 2- Recycling Plant | Item no 2 | 1.00 | Nos | 32,05,452.58 | 32,05,452.58 | INR Thirty Two Lakh Five Thousand Four Hundred & Fifty Two and Paise Fifty Eight Only |
| Total in Figures | | | | | | 49,03,414.72 | INR Forty Nine Lakh Three Thousand Four Hundred & Fourteen and Paise Seventy Two Only |
| Quoted Rate in Figures | | | | Select | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | | | |

| <p align="center">ENGINEERING PROJECTS (INDIA) LTD. (A. Govt. of India Enterprise) SOUTHERN REGIONAL OFFICE, CHENNAI</p> | | | | | | | |
|---|------------|-----------------------------|---|-----|------|--------------|---------------------|
| <p>Name of Work: Tender for "Special Repair Work for "The Upgradation/ Augmentation of Electro- Mechanical Equipment at existing STP & ETP to enhance the treatment capacity for the expansion to 1000 beds with induction of recycling scheme in the form of Ultrafiltration system. (STP Augmentation from 350 KLD to 550 KLD and Augmentation of ETP 40 KLD) in ESIC at Medical College & Hospital at K.K.Nagar, Chennai, Tamil Nadu Region for FY 2023-24"</p> | | | | | | | |
| <p>Locations: ESIC at Medical College and Hospital at K.K. Nagar, Chennai, Tamil Nadu</p> | | | | | | | |
| <p>NIT NO.SRO/CON/ETS/242 Dated: 01.07.2024</p> | | | | | | | |
| BILL OF QUANTITIES | | | | | | | |
| S.No | DSR/SSR/MR | Item Description Short Form | Description of Items | Qty | Unit | Rate | Amount |
| | | 1 | Part -A "SCHEDULE 1A - ETP" | | | | |
| | | A | MR Items (ETP): | | | | |
| 1 | MR | | Effluent Transfer Pump to Aeration Tank- (1HP - 2-3m3/hr - Submersible pump) | 2 | Nos | 40,721.80 | 81,443.60 |
| 2 | MR | | Air grid distribution + Piping and Valves (Three row air grid system) | 1 | Nos | 29,678.60 | 29,678.60 |
| 3 | MR | | Poly Dosing Tank + Pump- (6LPH - 100 L Tank) | 1 | Nos | 13,804.00 | 13,804.00 |
| 4 | MR | | Sludge Tranfer Pump- (1-1.5Hp - 2-3 m3/hr@15M Head) | 2 | Nos | 36,580.60 | 73,161.20 |
| 5 | MR | | Sludge Holding Tank- 2KL HDPE Tank | 1 | Nos | 22,776.60 | 22,776.60 |
| 6 | MR | | ACF- Sufficient with conversion as MGF | 1 | Nos | 29,678.60 | 29,678.60 |
| 7 | MR | | MCC Panel ETP | 1 | Nos | 29,678.60 | 29,678.60 |
| 8 | MR | | Treatment Tank- 2 x 2 x 2,5 mts (0.5mtrs FB) - MS FRP tank with supports and agitator 1 HP with dosing arrangement for pH correction | 1 | Nos | 2,40,879.80 | 2,40,879.80 |
| | | | Sub Total for Part A -MR Items (ETP) (a) | | | | 5,21,101.00 |
| | | 2 | Part -B "SCHEDULE 1B - STP" | | | | |
| | | B | MR Items (STP): | | | | |
| 9 | MR | | Collection Sump Transfer Pump- 50-60m3/hr - 5 HP Submersible Cutter Pump of 25 mm particle handling size | 2 | Nos | 84,549.50 | 1,69,099.00 |
| 10 | MR | | Air grid distribution + Piping and Valves- Three row air grid system | 1 | Nos | 31,059.00 | 31,059.00 |
| 11 | MR | | MBBR Media - (MBBR Media 520 m2/m3) | 20 | Nos | 29,586.11 | 5,91,722.20 |
| 12 | MR | | Sludge Tranfer Pump- 1-1.5Hp - 2-3 m3/hr@15M Head | 2 | Nos | 36,580.60 | 73,161.20 |
| 13 | MR | | Filter Feed Pump (STP)- 5 HP - 25 m3/hr @ 35-40 mts Head | 2 | Nos | 80,753.40 | 1,61,506.80 |
| 14 | MR | | UF Permeate Transfer Pump- 1-1.5HP 5-7m3/hr-subermissible cutter pump of 25mm particle handling capacity | 2 | Nos | 75,231.80 | 1,50,463.60 |
| 15 | MR | | Treated Water Tank- (Sintex Tank 10 KL) | 1 | Nos | 1,71,859.80 | 1,71,859.80 |
| 16 | MR | | Civil Works Envisaged | 1 | Nos | 1,33,622.72 | 1,33,622.72 |
| | | | Sub Total for Part B - MR Items (STP) (b) | | | | 14,82,494.32 |
| | | 3 | Part -C "SCHEDULE 2- Recycling Plant: Treated Water Recycling for Reuse of Treated Water from STP for Chiller Usage" | | | | |
| | | C | MR Items- (Recycling Plant) | | | | |
| 17 | MR | | Disc Filters- Disc Filters 5 miron capacity | 2 | Nos | 36,994.72 | 73,989.44 |
| 18 | MR | | UF Module System with CIP Backwash- (New UF Module with 6 membranes, minimum membrane filtration area of 80m2/membrane, auto back wash, CIP system with required tanks, dosing arrangements, complete electrical and accessories) | 1 | Nos | 36,78,766.00 | 36,78,766.00 |
| 19 | MR | | MCC Panel STP | 1 | Nos | 29,678.60 | 29,678.60 |
| | | | Sub Total for Part C - MR Items- (Recycling Plant) (c) | | | | 37,82,434.04 |
| | | | Grand Total ETP, STP & Recycling Plant (Part A+B+C) | | | | 57,86,029.36 |
| | | | Cost excluding GST | | | | |
| | | | Sub Total for Part A -MR Items (ETP) excluding GST (d) | | | | 4,41,611.02 |
| | | | Sub Total for Part B - MR Items (STP) excluding GST (e) | | | | 12,56,351.12 |
| | | | Sub Total for Part B - MR Items (STP) excluding GST (f) | | | | 32,05,452.58 |
| | | | Grand Total ETP, STP & Recycling Plant (Part d+e+f) Excluding GST | | | | 49,03,414.72 |