

This Tender (RFx CW2203Q211) consists of Two section/s §:

A. SICC1 ETP (Effluent Treatment Plant) health Check

B. SICC2 ETP Maintenance until May2022.

An interested Vendor may bid (make an offer) for any of the above Two divided § sections/projects, or may also bid (submit quotation) for all 2 identified § sections (A) & (B) together.

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For **Site Show Round, Operational & Technical Queries**: pls write in for an assigned slot in our efforts to reduce group gathering size and follow Safe Management Measures (SMM) guidelines.

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### §A. SICC1 ETP (Effluent Treatment Plant) health Check

1. To conduct MLSS sampling test at aeration tank by 3rd party accredited laboratory
2. To provide 8 trips of vacuum tanker to siphon & dispose off wastewater from aeration tank for internal distribution checking
3. To conduct physical check on MBR internal condition
4. To conduct inspection to - Fine screen X 01, sump pumps X 02, EQ/pH balancing control system X 01, IDRAFLOT system X 01, aeration for MBR tank & blower X 01, sludge holding tank transfer pumps X 02, air diffuser blowers X 03, sludge return pumps X 02, polymer dosing pumps X 02, mechanical mixer X 01 and sampling pump X 01 including control panels for any defect / non-performing / non-functional / deterioration within the limit of ETP system.
5. To conduct meggar test for pumps & blowers
6. To provide and present to the client professional audit report

SN	Item Break down	UOM	Remarks	Unit Price
1	MLSS sampling test	1 Lot		
2	Provision of 8 trips vacuum tanker	1 Lot		
3	MBR internal condition check	1 Lot		
4	Inspection to major equipment	1 Lot		
5	Megger test to pumps & blowers	1 Lot		
6	Audit report	1 Lot		

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## **§B. SICC2 ETP Maintenance until May2022**

PM servicing until 31st May 2022 of the ETP plant at SICC2

### **Scope of Works**

- 1.1 To supply manpower 2 nos to service and maintain the plant, supply 10m<sup>3</sup> vacuum tanker for daily haulage to remove debris sludge at SICC2
  - 1.2 The Contractor is required to inspect visual check and report on any defects or irregularities detected during the inspection. Inspection Report to be submitted to the Employer and his appointed agent after every inspection including:
    - a) Visual checks for vibration, noise, leakages and abnormalities of the system.
    - b) Data logging and monitoring.
    - c) Daily monitoring of chemical level in all the chemicals holding tanks.
    - d) Top up chemical as per requirement.
    - e) Make recommendation for calibrations, requirement for chemicals, repairs and/ or replacements of the system.
    - f) Assist/ facilitate access for third party vendors for the collection of water samples and/ or lab tests.
    - g) Check for motor rotation, cleaning of motor fan and fan guard, lubricate bearings, screen and filter cleaning, removing of debris for filters including for fine screen and coarse screen.
    - h) Check for condition, pump motor ampere readings, abnormal vibration, leakages, noise, air locks, clear minor chokes and pump rotation for pumps and air blowers.
    - i) Regular checks on all mechanical and electrical components and systems to ensure systems are working in order.
    - j) Prepare and submit incident reports, data logs and monthly reports.
    - k) Provide standby 24 hours emergency service. Technician/ engineer shall attend to the emergency call within two (2) hours, charged separately.
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