

**Companhia de Electricidade de Macau - CEM, S.A.**

**“Coloane Power Station Generation Facilities Maintenance Service”**

**Admission Conditions**

**(Tender Ref. PLD-CS250/24/33)**

1. Tenderer must declare that there has been no record of fatal / serious work-related accident in the past 3 years.
2. Tenderer must have experience in Heavy Industry or Power Plant Maintenance Services. Whether participating independently or as part of a consortium, a tenderer may only submit one proposal for this tender. In case the Tenderers are formed in Consortium / Joint-Venture (JV), this must be clearly stated on the Tenderer's corresponding signed Memorandum of Understanding (MOU) by both parties. One of the consortium members must have the experience in Heavy Industry or Power Plant Maintenance Services.
3. Tenderers must not submit proposals that could disrupt normal bidding conditions, especially if the involved tenderers have the same shareholders or administrative body members.
4. Tenderers must have at least 3 years of experience within 2015 to 2025 in the maintenance services to Generation Facilities and its specific auxiliaries, with the proof of experiences in Heavy Industry or Power Plant Maintenance Service and a list of relevant previous maintenance service contracts with details must be provided (no limitation of region); the order records/recommendation letters from the owners of previous contracts, or the order records/recommendation letters from the OEM (Original Equipment Manufacturer, their Licensee Entities and Authorized Repairer) of the relevant facilities must also be provided for the proof.
5. Tenderers must have at least 3 years of experiences within 2015 to 2025 of mechanical, electrical and C&I maintenance for ALL the following systems and equipment.
  - Large -Bore Diesel Engine (Bore size  $\geq 800\text{mm}$ ).
  - Selective Catalytic Reduction (SCR), its Ammonia System and the relevant components.
  - Soot-blowing system and the relevant components for Diesel Engine driven Boilers.
  - Demineralization Water & Wastewater treatment System and the relevant components.
  - Water Pumps with motor.
  - Compressor with motor.
  - Electric Motors Overhaul and Rewind.
  - Heat Recovery Steam Generator and the relevant components.
  - Water Cooling System.
  - Fuel Oil System.

For the maintenance of these systems, the tenderer must be knowledgeable about the operation of the specific systems; besides the media transferring facilities (Pipeline, pumps, valves, actuator, controlling devices...etc.), the tenderers are also required to be familiar with the control system and have knowledge of the latest technology of power plant instrumentation and equipment; assist CEM engineers to replace, upgrade, modify and install the new Programmable Logic Controller (PLC) system / instrument equipment in case the existing PLC system / instrument equipment is or will be obsoleted. Job reference of experience in such area must be provided (no limitation of region).

6. The tenderers must provide a team consists of at least 32 members who must be directly employed by the Tenderer; the members employed by the subcontractors will not be considered as part of the Resident Team (Macau legal workers), and with the following competences must be resident at Coloane Power Station (CPS) for working 6 days per week, following the daily schedules with CEM Maintenance Team/Operation Team to tackle the maintenance works, execute the planned tasks and provide the ad-hoc services upon CEM's request.

Core Members		Non-Core Members	
Superintendent	2 men	Mason	2 men
Mechanic Fitter with Crane Operation Skill	15 men	Carpenter	2 men
Lathe-machine Operator	1 man	Painter	2 men
Qualified welder	2 men		
Electrician	3 men		
C&I Technician	3 men		

Notes:

- a) The stated quantities of members are the minimum requirements.
- b) The Resident Team is defined as a service team who works daily for Coloane Power Station exclusively.
- c) The tenderer is required to provide the information of Project Team. The provided Information includes the composition of the Resident Team, Organization Chart for this project, and CV (Curriculum Vitae) of Contract Manager, 2 Superintendents and at least 50% of the core members (except welders) in each category assigned for the project must be available when submitting the proposal. The submitted documents must be able to prove the ability for the related field. The remaining core members and the non-core members must be available within 180 calendar days after the issuance of LOI (Letter of Intent) by CEM to the successful tenderer.
- d) All the team members involved in this project must hold valid "Occupational Safety Cards" issued by DSAL; the proof documents must be submitted within 180 calendar days after the issuance of LOI (Letter of Intent) by CEM to the successful tenderer.
- e) A Declaration for declaring the fulfilment of (a) to (d) above must be enclosed in the Technical Proposal.
- f) If the available Resident Team Members is more than the requirement mentioned in point (c) at the time of submission of proposal, tenderer is advised to provide the CV of the members which will be taken into consideration for tender evaluation scoring.

7. The Maintenance Tools / Equipment please refer to the Attachment 1 - List of Tools and Equipment for details. All the tools / equipment must always be available in Coloane Power Station (CPS) during the contract period in order to support the plant day to day and urgent maintenance activities.

Notes:

- a) The stated quantities of the Tools / Equipment are the minimum requirements.
  - b) The Tools / Equipment must be available within 180 calendar days after the issuance of LOI (Letter of Intent) by CEM to the successful tenderer.
  - c) Tenderers must provide the qualified operator for the maintenance tools / equipment.
  - d) A Declaration for declaring the fulfilment of (a) to (c) above must be enclosed in the Technical Proposal.
  - e) Tenderer is advised to provide the proof of Maintenance Tools / Equipment available on hand, which will be taken into consideration for tender evaluation scoring. The provided information shall include the quantity, type, and condition of equipment in details.
8. Prior issuing the LOA (Letter of Acceptance), an LOI (Letter of Intent) will be signed with the successful tenderer by allowing 180 calendar days to comply with full requirements of Project Team and Maintenance Tools / Equipment. CEM then will finalize the contract agreement by issuing a LOA providing all the contractual details can be agreed by the Contractor and CEM. If the successful tenderer fails to fulfil its obligations within 180 calendar days upon signing the LOI, the LOI will be cancelled at CEM discretion, and the tender security (MOP1,000,000.00) will not be returned to the successful tenderer. CEM is not liable to make any compensation to the successful tenderer.
  9. Tenderers can participate in the tender only if they simultaneously meet the requirements specified in clauses 1 to 8.