

Supply of Generators for the Council for Development and Reconstruction

Clarifications

The following represents the clarifications requested and the actions.

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Query: With respect to the Specifications Tender document, Section 26 32 13-Part 1, kindly advise if the detailed Submittal items in clause "1.3 Submittals" are required to be submitted by the bidder after Contract award or are required to be submitted in our bid at the Tender's stage as part of the needed datasheets, certificates and catalogues for the proposed equipment?

Reply: The items under clause 1.3 Submittals shall be required after contract awards. However, proposed equipment datasheets are required also as part of the bid submission package.

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Query: With Reference to the above-mentioned clause "1.3 Submittals" in section E-Source Quality Control Test-item# 6, it is required to submit Report of exhaust emission of the generator showing compliance with applicable regulations; kindly specify what the required application regulations taking into consideration that this criterion is essential in selection of the appropriate type of the generator's Diesel Engine that fulfils the needed applicable emissions regulations.

Reply: The report of the exhaust emission of the generator shall be comply with the regulations of the Lebanese Ministry of Environment.

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Query: With respect to the Specifications Tender document, Section 26 32 13-Part 2, clause 2.2 General, it is mentioned in items G & H that locally assembled generator sets and Synchro/Control panels are strictly prohibited; please advise if locally assembled and Synchro/Control panels can be accepted in case the bidder possess an Industrial Certificate from the Lebanese Ministry of Energy that authorize him to perform assembly of generator sets and Electrical Control panels?

Reply: Comply with the specifications requirements, in other words, the generators and synchro/control panels will be assembled in the manufacturer's country of origin at the manufacturer's facility.

4-

Query: With to the SLD in the Specification file of the Tender documents, The SLD shows a PLC on the EMDSB, we want to ask about the role of this PLC knowing that have a generator control panel with DSE8610 is capable of load sharing.

Reply: The bidder shall supply a complete functional solution in compliance with tender documents.



5-

Query: With to the SLD in the Specification file of the Tender documents, The HMI screen used for MCDB, is it only to monitor and control the 4 generators remotely?

Reply: The bidder shall supply a complete functional solution in compliance with tender documents.

6-

Query: With to the SLD in the Specification file of the Tender documents, The SLD shows motorized breaker on the input (before totalizing) and output (after totalizing) I.E TOTAL MOTORIZED BREAKER ON INPUT AND OUTPUT.
Please confirm if this is the requirement.

Reply: Please abide by the Single Line Diagram Drawings.

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Query: With to the SLD in the Specification file of the Tender documents, Is an MTS required for each ATS to bypass it in case of failure?

Reply: Please abide by the Single Line Diagram Drawings.

8-

Query: In the case of load Shedding, will this turn off a whole ATS (500A FOR AIR CONDITIONERS COOLING UNITS ONLY) or a load fed by the ATS. IF NOT THE WHOLE ATS, WHAT IS THE SIZE OF THE LOAD TO BE SHED TO SIZE THE APPROPRIATE CONTACTOR?

Reply: The loads shedding will be at the level of outgoing feeders of the EMDSB, that is reason for providing the motorized circuit breakers on the outgoing feeders.

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Query: SLD in the Specification file of the Tender documents, What do you mean by the term "load Dump" is it the same as load shed?

Reply: Confirmed.

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Query: Emissions Control Requirements:

Please confirm whether a catalytic converter would be sufficient, or if a cyclone filter located at roof level is required. Kindly also share any applicable emissions requirements or data, if available, to ensure full compliance with the regulations issued by the Ministry of Environment.

Reply: Please provide catalytic converter and cyclone filter located at the roof level.
The exhaust emissions of the generators shall be comply with the regulations of Lebanese Ministry of Environment.

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Reply: Power Cables:

Please note that the existing cables are sufficient and in good condition, and the reuse would help reduce the cost of new supply and installation works, as well as avoid dismantling of the existing installation. Accordingly, kindly confirm if we may proceed with the use of the existing cables for the first room.

Reply: The status of the existing cables to be assessed during the side visit.
In all cases, please provide optional price for new cables.

12-

Query: Fuel Tanks:

Kindly confirm if the existing fuel tanks located in the first room can be reused. As they are in good condition, we recommend their reuse to achieve a reduction in overall project cost.

Reply: The status of the existing fuel tanks to be assessed during the side visit.
In all cases, please provide optional price for new tanks.

13-

Query: Synchro Totalizing Panel:

Please confirm whether it is possible to integrate the synchro totalizing panel within the generators room, specifically between the two existing fuel tanks. This arrangement would help reduce the length of power supply cables, decrease installation costs related to cable trays and coring works, and allow the use of the existing cables for distribution.

Reply: Please keep the synchro totalizing in a dedicate room.

14-

Query: Genset Configuration & Noise Level

Please confirm whether the generators shall be soundproof (canopy type) or open type, and specify the required noise level at 3 meters.

Reply: The generators shall be installed indoor.
The noise treatment of rooms shall ensure that the sound pressure level do not exceed 75dB at 1 meter outside the rooms.

15-

Query: Manufacturer Requirement

The tender specifies a complete genset package from a single manufacturer. Kindly confirm whether locally assembled units (e.g., OEM engine such as Perkins with local assembly in Lebanon) are acceptable under this requirement, and whether foreign OEM assembly is also approved, or if only fully factory-assembled generator sets are permitted.

Reply: Please comply with the specification's requirements, in other words, the generators and synchro/control panels will be assembled in the manufacturer's country of origin in the manufacturer's facility.

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Query: Scope of Work & BOQ

Please provide the detailed BOQ and clarify whether the Contractor's scope includes acoustic treatment of the generator room, ventilation system (air inlet/outlet), and insulation works. Kindly also confirm if any CAD drawings are available for the project.

Reply: The bidder's scope included acoustic treatment of the generator room, ventilation system and insulation works.

17-

Query: Site Visit

Kindly advise on scheduling a site visit to verify dimensions and installation conditions.

Reply: The generator room is open to interested bidders in case they need more data.

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Query: Synchronization System

Please clarify whether synchronization and totalizing panels must be supplied strictly by the genset manufacturer as a single package (Factory or foreign assembled), or if separate local supply is acceptable. Also confirm if all four generators will operate in parallel.

Reply: Please comply with the specification's requirements, in other words, the generators and synchro/control panels will be assembled in the manufacturer's country of origin in the manufacturer's facility.

19-

Query: Generator Layout & Drawings

Confirm whether all generators will be installed in one room or separately, and provide electrical and mechanical CAD drawings if available.

Reply: All generators will be installed in one (1) room, after demolition of the wall separating the two existing room as described in the BoQ and the Scope of Work.

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Query: Maintenance Scope

Clarify if the maintenance contract includes consumables, spare parts, and oil changes.

Query: The maintenance services shall include consumables, spare parts and oil changes for a period of 12 months, and shall be priced separately.

Query: Operating Conditions & Rating

Please confirm the required generator rating under site conditions (40°C ambient temperature, up to 500m altitude) and whether the specified output (e.g., 160 kVA) should be considered as net output after applying all derating factors or need exactly 160 kva and, no need for oversize the generator to overcome the derating. Kindly also clarify the application duty (Prime, Standby, or Continuous operation).

Reply: The generators shall be at least 150 kVA Prime rated at maximum ambient temperature (40°C) (after-derating).

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Query: In the form of bid security, please confirm if the ICC Publication No is 758 or 458

Reply: This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758..

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Query: ATS & Panels Scope

Confirm whether our scope includes supply and installation of ATS panels, or only synchronization/totalizing panels.

Reply: Supply and installation of ATS panels are under the bidder scope.

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Query: Compliance & Testing Requirements

Confirm required emission standards (EPA Tier I EU Stage). Or non-emission control engine is acceptable

Reply: The exhaust emissions of the generators shall be comply with the applicable regulations of Lebanese Ministry of Environment.

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Query: Compliance & Testing Requirements

Clarify acceptable factory testing (third-party or internal manufacturer FAT with CDR Engineer witness).

Reply: Operational test will be carried at the bidder's facilities and witnessed by the CDR representatives.

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Query: Compliance & Testing Requirements

Confirm acceptance of MCCB instead of ACB for the specified generator size since the smallest ACB size is 800A

Reply: The use of MCCBs instead of ACBs are acceptable for rating less than 800A.

