



Thessaloniki, 1/04/2021

**INVESTMENTS DIVISION
PROCUREMENT DEPARTMENT**

SUBJECT: Replies to questions submitted regarding the terms of the Call TED 058/2021 for the procurement and installation of three standby power gensets.

Regarding this tender, replies to the submitted questions are provided.

1. Question

Please send us the line diagrams of the Substations

Reply

Substation diagrams are given to each candidate upon request.

2. Question

Paragraph 2.3.2 Engine power

This paragraph stipulates that the load bearing resistance of the engine in one step charging will be at least 70%. The required load bearing resistance is too high, will engines with a lower load bearing resistance be accepted?

Reply

The specification of the tender is the one mentioned in the specific paragraph. Any lower performance will be evaluated accordingly.

3. Question

Paragraph 2.3.6 Fuel feed system

This paragraph stipulates that fuel feed be carried out by a fuel feed pump, controlled through an Engine Control Module. As established, in order to control the pump through the Engine Control Module, it should be rotary. Because of the quality of oil, due to the Biodiesel quota in it, the fuel pump required by the specifications will very quickly present problems, damage and fungus formation, which will result in damage to the operation of the gensets. In addition, the repair of the requested type of pumps, in case of failure, is very costly.

Please specify if engines with an electronically controlled piston fuel pump are accepted.

Reply

Engines with any type of pump offered shall be accompanied by a relevant acceptance of warranty, which shall include damage from fungus- damage resulting from the quality of Biodiesel. In any case, during the offered warranty period, the candidate shall undertake the proper maintenance of this engine-pump system.

4. Question

Paragraph 2. 3. 12 Local Fuel Tank

This paragraph stipulates that there shall be a safety collection base below the tank according to ISO 14001. Please specify what exactly shall be offered to meet this requirement. Since it is mentioned that the gensets will be installed outdoors, this requirement is not applicable, please clarify.

Reply

This requirement is provided in the context of the environmental policy of ThPA S.A and any other environmental proposal will be evaluated accordingly.

5. Question

Paragraph 2.4.2. Generator power

This paragraph stipulates that the generator's validity shall meet the following relations:

$S_{\text{Generator}} > S_{\text{Genset}}$

$S_{\text{Generator}} > (X_d''(\%) / 10) \times S_{\text{Genset}}$

The required relations result in the oversizing of the generator which is not normally required for the smooth operation of a genset, while at the same time increasing the cost of supplying the genset. Please specify if the generator of the offered gensets shall meet the above relations.

Reply

The requested generator shall comply with the relations as stated. In case the candidate expresses disagreement, the latter shall offer the generator with the technical characteristics according to the detailed calculations to be submitted to ThPA SA, in order to assess any variance.

6. Question

Paragraph 2.4.3. Generator insulation

This paragraph stipulates that the insulation of the windings will be of class F or better according to VDE 0530 or equivalent according to any other regulations, but its rated power will correspond to class F. Are generators with winding insulation class F and rated power class H accepted?

Reply

The offer of a rated power class other than that mentioned in the tender will be evaluated accordingly.

7. Question

Paragraph 2.4.5.5. Number of regulators

This paragraph stipulates that a main and backup regulator shall be provided, because these gensets are for standby operation. Please specify if two voltage regulators shall be offered.

Reply

Two voltage regulators shall be offered.

8. Question

Paragraph 3.2 Soundproof shell

This paragraph stipulates that the soundproof Genset will have a noise level lower than <70 db at a distance of at least 10 m. The required noise level is too low for 630kVA, please specify if a higher noise level is acceptable.

Reply

The higher noise level will be evaluated accordingly.

9. Question

Paragraph 7 Quality control

This paragraph stipulates that tests will be performed on the spot. Please specify if these tests can be performed at the genset factory along with the corresponding Test Reports.

Reply

It is clarified that after the completion of the project, the test reports will be delivered and tests will be performed on the spot by the Contractor, as mentioned in Par. 7 of the Call.

10. Question

Regarding the tender "TED 058/2021 OPEN CALL FOR TENDER FOR THE PROCUREMENT AND INSTALLATION OF THREE STANDBY POWER GENSETS" and as mentioned in Paragraph 15.2 Delivery, different delivery times are required depending on the power of the genset, which are very short especially with regard to the power of gensets for Substations 6A & 6E. Due to the global pandemic situation, there are long delays in the delivery of supplies and raw materials. For this reason, we request that 4-month delivery times be accepted for all gensets.

Reply

The global pandemic situation is understood, but at the same time, the needs of ThPA SA are a priority. The delivery time for each generator remains as is and is evaluated respectively along with other parameters of the Tender.

The Procurement Department of ThPA SA