

07/05/2023

Public Tender No. 23001562
Goods: MV motor

Please see below EAPC clarifications and replies to questions and comments received from potential participants:

EAPC replies and clarifications below become an integral part of this Tender and will force the bidders.

EAPC Replies

	Question	Reply
1.	Please clarify requirement in line 3.6 - Winding R.T.D Total 9 (3 pcs for one phase). As standard 6xPt100 sensors for windings protection used for MV motors	3 must be provided for each phase.
2.	Please clarify requirement in line 3.6 - S.F 1.05 Please note that SF definitions applicable for NEMA type motors while IEC type motor required. Furthermore, SF 1.05 usually not applicable for MV motors but for LV motors only.	SF=1.0 is ok.
3.	Please clarify requirement in line 3.6 - Starting Performance 135 (A) LRC MAX Value – Lock rotor current. As standard locked rotor current expressed as per unit value of nominal current. Standard value for Siemens motor of required power is 5.5-6xInom – please approve. Please note that low starting current (locked rotor current) requirement affect motor efficiency	OK.
4.	Please clarify requirement in line 3.6 - Rotor Conductor Cu-Alloy. All modern LV and MV motors in power range up to 1000kW made with Aluminum rotor rather than Copper. Aluminum rotor provides much higher reliability and 5 times higher number of permissive starts per year.	Not approve.
5.	Please clarify requirement in line 3.6 - Efficiency at 100% load Min 96 %. Please note that required efficiency does NOT available for MV motors in required power range. Required efficiency available for LV IE3 efficiency class motors that is NOT applicable for MV motors.	Min Eff at 100% LOAD will be 95.5%.

6.	<p>Please clarify requirement in line 3.6 - Environment -20 ~ 50 °C Amb. Temp Please clarify requirement for max. ambient temperature of 50C while in Ashkelon is never be more than 43C http://ashkelon-weather.net/eng/averages-e.htm</p>	<p>Without change, the temp will be as required.</p>
7.	<p>Please clarify requirement in lines 4.1-4.4 - Testing What exactly test and witnessed or unwitnessed required. Specification states all possible witness + unwitnessed test that is not reasonable/possible. Please note that unwitnessed routine test is an standard procedure for all motors. All other test + witness is for additional price.</p>	<p>It is known that the other tests are subject to a fee, a price must be quoted.</p>
8.	<p>Please clarify requirement in line 9.2.4 - Material inspection certificates for: Seats, Stem, Gate, Body, Bonnet, Bolts and Nuts. It looks like the requirement doesn't applicable for motors – most of required parts are not relevant for electric motors. Final routine test is an standard documentation supplied with the motor.</p>	<p>Not irrelevant.</p>
9.	<p>Please clarify requirement in line 9.2.5 - Eur1 certificate or US Certificate of Origin will be required. (An Israeli manufacturer and Teco company are excluded from this requirement) The required MV motor in low power rang are manufactured in Siemens factory in China - Eur1 certificate not relevant. Why the requirement not applicable for Teco motors only?</p>	<p>No, as mentioned in the Specification.</p> <p>It must be clarified that in order to approve any other supplier, EAPC Engineering Department must examine thoroughly the supplier and its seal according to its professional discretion. Since such examination can take considerable time, it cannot be possible in an ongoing Tender. If you are interested to start this examination, you can apply to Eng. Victor Maimon via email: victorma@eapc.co.il.</p>

10.	Please clarify requirement - NOTE The winner of the tender must take measurements in the field, do not use a transition adapter Modern motor in required power range are produced in frame 315 and not 355 as required. In order to adopt motor in frame 315 to 355 dimensions adaptor plates are stand solution. We were supplied last years at least 10 similar motor with same power + adaptor plates for Petroleum and Energy Infrastructure company in Israel and many MV motor with much higher power for other plants. The requirement non logical and from technical and engineering point of view not reasonable	Not approve.
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