

May, 2, 2024

Dear Sirs,

Announcement No. 4
Tender for the supply and assembly of Diesel Generator Set - for RTG crane - (the
"Tender")
Tender No. 3164/TZ/23

NO.	DEVIATION	ANSWER
1	<p><u>Noise level</u></p> <p>The noise in the surrounding of the D-G set, with closed doors, shall not exceed the following levels</p> <ul style="list-style-type: none"> o 350 kw Prime power at 1 meter distance - ~85 dB(A) o 350 kw prime power at 7 meters distance --75 dB(A) o 100 kw at 1 meter's distance - ~75 dB(A) <p><u>Regarding measurements our product has properties:</u></p> <ul style="list-style-type: none"> - 350kW/1500rpm prime power at 1 meter distance, meets surrounding average (Lavq) 83dB(A) +/- 1 with visco cooling Fan at low speed. Maximum spot can be found will be 4db(A) higher BUT which is located to inside boogie construction area et radiator end and highest spots people walking around 86db(A) +/-1 Visco FAN low speed to full speed has effect for noise up to 4-6db(A) at 1500rpm (I'm still in process to find correct MAX value for this) Within these "not exceed" -level genset will not pass we can promise: 92db(A) +/-2 If surrounding area average and low visco speed are accepted <85db(A) can be doable - 0kW/1500rpm at 1 meter, meets surrounding average (Lavq) 81db(A) +/-2 with visco cooling Fan at low speed ⇒ 100kw/1500rpm iat 1m distance 75dbA we can't do. 	<p>We already publish amendment to this requirement.</p> <p>SEE ANNOUNCEMENT NO.3:</p> <p>The noise in the surrounding of the D-G set, with closed doors, shall not exceed the following levels</p> <ul style="list-style-type: none"> o 100 kw at 1 meter's distance - ~90 dB(A) – (similar to existing genset noise levels).

	<p>Engine at Idle speed 800/900rpm can meet average (Lavq) <75db(A) but 100kW load is not option at that speed</p> <p>Are the specs locked down within topic or is there chance to modify spec in these?</p>	
2	<p>Auxiliary genset: Section 1: question about application they using genset – has major effect for construction. Are you using it still with small genset as genuine with power supply changes between or using it alone to run crane? Are you planning to use still smaller gensets as “Fuel saver” -together with big gensets as originally requiring big genset equipped with special breakers -solution as originally or can we offer standard standalone genset solution?</p>	<p>The requirement is for standard stand-alone genset. The aux. genset shall not be used for fuel saver.</p> <p>The aux. genset is placed on the other side of the crane and will not be used at all.</p>
3	<p>Crane systems integration: Sheet 1, 1. Scope of work: “ ... including integration with crane systems (power supply, control & communication for data transfer), whether detailed or not in these specifications or shown on the technical specifications and the data sheets. Continuing at 7.3.1: The Proposed D-G set should replace the existing D-G set without any changes in the operating and Control System of the crane. The new D-G set should be plug and play system. We are good with Hardwired interface BUT data transfer looks for impossible within these specs. Hillcher Modbus module integrated to very S7-400 PLC Software is discontinued around 10-15 years ago and actual PLC software in cranes will not communicate with other devices without modifications on it. So leaving data transfer out from offer at this point as we can’t meet specs on it? If anyhow you would want data transfer I would like to make separate offer about it, it will need about one-work-week site -engineering to rebuild it to new devices.</p>	<p>The requirement is for new Genset to communicate with the crane PLC same as it is now. The Genset can use Gateway to communicate with the PLC. We will not split the SOW for only hardwire and then order the communication. This must be done in the same SOW.</p>
4	<p>PLC: The plc type in the tender is old version. Can you please check what the correct type is?</p>	<p>The tender mistakenly wrote that PLC type is S7-412-2PN.</p>



		The correct crane CPU type is 315-PN/DP (6ES7315-2EH14-0AB0) .
--	--	---

Please sign and submit this Announcement within your Technical Proposal to be submitted with respect to the Tender.

Sincerely,

Orit Cohen

Secretary of the Tender Committee