

QUESTIONS AND ANSWERS SHEET NO. 3

CONCERNING ENERGI VIBORG KRAFTVARME A/S EXECUTION OF BORESCOPE INSPECTION AND REPLACEMENT OF NUMBER 2 MAIN BEARING ON GAS TURBINE

No.	Question	Answer
1	<i>"We know that the Turbine is Frame 6 DLN. Borescope Access will be via specific Borescope access holes on the Compressor Casings and Turbine Shell. In addition we will also inspect Compressor via the Inlet and exhaust via the exhaust plenum. Can the customer advise how many secondary fuel nozzles are removed from the Combustion area to allow access to Combustion Area, it is normal to remove at least 2 Nozzles that are opposite each other to allow condition of Fuel Nozzles, Combustion Liners, Crossfire Tubes and Transition Pieces to be viewed. Is this the plan at Viborg, or do they remove all secondaries. Is the expectation that [supplier] would supply replacement gaskets and some bolts etc, if this is the case does the customer have the OEM part numbers or can they send some excerpts from renewal parts books to allow us to identify"</i>	<p>It is the opinion of Energi Viborg Kraftvarme A/S that it is possible to carry out the borescope inspection with removal of two Nozzels.</p> <p>Energi Viborg Kraftvarme A/S will not remove the nozzels. The supplier shall remove and assemble the nozzels again.</p> <p>A set of spare parts is available at Energi Viborg Kraftvarme A/S for the replacement of bearing no. 2.</p>
2	<i>"Does the customer have the special tool available to allow the No.2 Bearing to be removed with minimal disassembly of the GT, this is referred to in his workscope"</i>	Energi Viborg Kraftvarme A/S do <i>not</i> have any special tools available.
3	<i>"If it is necessary to carry out an alignment after the replacement of the No.2 Bearing, does the customer have alignment fixtures available. Is the alignment to be carried out at both accessory and load end. In terms of removing the load coupling will it be necessary to supply Hydraulic Torque Equipment"</i>	<p>Energi Viborg Kraftvarme A/S do <i>not</i> have any special tools available in regards of an alignment after replacement of the no. 2 bearing.</p> <p>It is expected that the alignment is to be carried out only at load end.</p>

		In regards of the removal of the load coupling, hydraulic equipment is <i>not</i> necessary. However, the supplier is required to use special tools which is available at the plant/Energi Viborg Kraftvarme A/S
4	<i>"It mentions that the contract is from 7th June to 21st June, it further mentions that if alignment is to take place it will take place from 22nd June to 25th June – does this mean that the realignment if necessary will require an additional mobilization"</i>	The two periods are to be seen as continuous. If the alignment becomes relevant, the alignment will be executed in continuation of the replacement of bearing no. 2. The end dates are only set as a minimum requirement, however Energi Viborg Kraftvarme A/S will appreciate if the reparations and a potential alignment is executed as fast as possible.
5	<i>"General terms and Conditions – it is noted that there is a requirement to have a performance bond issued, just for clarification this bond should be for 10% of contract value and validity of 1 year from formal handover – please confirm"</i>	On basis of the question regarding the requirement of a performance bond in appendix 6 "General conditions for delivery of mechanical and electrical installations 2003" § 27, Energi Viborg Kraftvarme A/S has decided that it is <i>not</i> a requirement to have a performance bond issued.
6	<i>"Draft Contract – Section 9 Guarantees – we note that 9.3 advises Supplier to pay for all repair costs arising from a Gas Turbine breakdown caused by the supplier – will the Owner consider a clause that the value of such guarantee would be limited to 100% of the Contract Value."</i>	<p>Energi Viborg Kraftvarme A/S wishes to underline that in case negotiations are held, Energi Viborg Kraftvarme A/S reserves the right to negotiate about all aspects of the contract. Thus, Energi Viborg Kraftvarme A/S do not consider itself precluded from changing the tender documents in course of the negotiations.</p> <p>Energi Viborg Kraftvarme A/S is prepared to discuss the draft contract section 9 in case negotiations are held. Thus, Energi Viborg Kraftvarme A/S do not strike out that this section can be changed in the event of a revision of the tender documents in course of the negotiations, under compliance of the framework of procurement law.</p>
7	<i>"Draft Contract – Section 17 – Penalties – we note that 17.3 states that penalty for delay is DKK 100,000 per every commenced work-</i>	Energi Viborg Kraftvarme A/S upholds the draft Contract section 17.3.

	<i>ing day of delay for duration of the delay. Would the owner consider a penalty of 1% of the Contract value per day delay upto a maximum of 10% of the Contract Value"</i>	<p>Energi Viborg Kraftvarme A/S wishes to underline that in case negotiations are held, Energi Viborg Kraftvarme A/S reserves the right to negotiate about all aspects of the contract. Thus, Energi Viborg Kraftvarme A/S do not consider itself precluded from changing the tender documents in course of the negotiations.</p> <p>Energi Viborg Kraftvarme A/S is prepared to discuss the draft contract section 17 in case negotiations are held. Thus, Energi Viborg Kraftvarme A/S do not strike out that this section can be change in the event of a revision of the tender documents in course of the negotiations, under compliance of the framework of procurement law.</p>
8	<i>"Special Conditions – Appendix 5 – there are many references to performance, noise, emissions etc in this clause. If we were to be successful the work being proposed by MJB I would not impact in any of these important parameters, we would like to discuss if they are actually pertinent to this scope of work"</i>	<p>The parameters mentioned in appendix 5, which will not be affected by the supplier's execution in accordance to the contract, will not be taken into considerations.</p>