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Last date has been extended till : 03.05.2018

Tender for Induction Generator (as a part of Induction Furnace Setup)

The technical specifications of the equipment are provided below;

S. No.	Item	Description		
1.	TruHeat HF 5010 (450kHz Table Top)	Electrical Data <ul style="list-style-type: none">Output power 10 kWIntermediate circuit power DC 11.2 kW [100%]Output frequency 50 – 450 kHz @ 35 A50 – 800 kHz @ 17.5 A 1)Output voltage 520 VIntermediate circuit voltage DC 540 VOutput current max. 35 AIntermediate circuit current DC 25 A [100%]		
2.	Control	Range of Control	Value	
		<ul style="list-style-type: none">Output currentIntermediate circuit powerVoltage at in-series capacitorOptional regulator	10 – 100 %, +/- 1 % 4 – 100 %, +/- 1 % 10 – 100 %, +/- 1 % 1 – 100 %, +/- 1 %	
3.	Mains connection data	<ul style="list-style-type: none">Mains voltageMains frequencyPower factor (cosine phi)EfficiencyFuse protection	3/PE AC 400 V +/- 10 % 50/60 Hz 0.95 90 % 25 A	
4.	Environmental conditions	<u>TEMPERATURE</u>	<u>REL. AIR HUMIDITY</u>	<u>AIR PRESSURE⁴⁾</u>
	Operation	+10 – +45 °C	10 – 90 % 1)	800 – 1013 hPa
		1). No condensation or icing 2). Existing cooling water circuits must be completely empty and blown out 3) Max. rel. humidity if the device temperature increases slowly by 40 °C or if the device temperature increases suddenly from –20 to +30 °C		

5.	Cooling data (water)	<ul style="list-style-type: none"> • Max. supply pressure • Min. differential pressure • Flow-through quantity at 3 bar approx • Max. Length of hose between water circuit. • Additional installations, differing hose lengths or unsuitable routing effect the flow yields. • Water connection inflow and outflow • Max. cooling water temperature 	<p>6 bar</p> <p>3 bar</p> <p>9.5 l/min 1)</p> <p>3 m</p> <p>The flow values specified in the technical specification of the external circuit must be met</p> <p>Total water amount: power supply unit + external circuit + inductor pipe PA 12; 8 x 6 x 1 mm 35 °C</p>
		To ensure the cooling water properties and the required throughput, the use of a recooling system will be used.	

Terms & Conditions:

1. Cost of the items including relevant accessories with technical specification should be mentioned in detail.
2. Offer should be made on FOR IIT Kanpur basis.
3. Your quotation shall contain Authorization Letter from manufacturer.
4. Kindly enclose Catalogue and Photographs of quoted model with complete technical specifications.
5. Our standard payment term & condition is 90% against delivery and 10% after inspection and approval.
6. Warranty : Two years
7. Quotation Validity : 90 days
8. Delivery period: within 4 weeks from the date of purchase order.
9. Two separate bids, Technical and Financial bid to be submitted in separate sealed envelopes. Write on evolve enquiry number, item name and last date of tender.
10. The vendor must have sufficient experience of supply and installation of induction power supply units in the reputed academic institutes and labs in India. At least 7 years of experience in required. The vendor is required to provide at least 10 installation details in India along with technical bid.
11. Availability of after sale service in India is mandatory.

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