

Date: September 28, 2016


Enquiry No.: **01/MET/DD/CPDA/IESTS/2016-17**

Notice Inviting Quotations

Quotations are invited for supply of the following items/consumable as per mentioned specifications under CPDA Account of *Dr. Debdulal Das*, Associate Professor, Department of Metallurgy and Materials Engineering (approval order no. 1351/Dean(FA)/CPDA/16 dated 23 September 2016). The sealed quotations should be addressed to the Head of the Department indicating enquiry no with date on the top of the envelope.

The quotation should include all kind of taxes/duties and delivery charges of the item to the Office of the Department of Metallurgy and Materials Engineering, IEST Shibpur. Last date of submission of sealed quotation is **7 working days from the date of publication** in the Website of the Institute and tenders will be opened on the next working day at 12 noon.

Sl. No.	Description/Specification of Item
1.	Controller for Stir Casting Unit Thyristor driven programmable (8 RAM) PID control unit for electric resistance furnace to be used for melting of light metals. Operative temperature range: 450 to 1150 °C with accuracy of $\pm 2^\circ\text{C}$ or better. Two thermocouples, one in the furnace and another in the liquid metal bath, option to control furnace from either of the thermocouple. Voltmeter, amp-meter and LED indicators.
2.	SiC heating element - 12 number of SiC heating elements (Total length: 20 cm and length of heating zone: 12.5 cm). <i>Make:</i> Kenthal or equivalent.
3.	Pure Graphite Stirrer - Two-stage three-bladed propeller type stirrer (Outer diameter: 75 cm and Length: 10 cm) with solid steel spindle.
4.	Clay Graphite Crucibles for melting of 2 kg of Al-alloys with bottom pouring arrangement using Inconel.


28.09.2016

(Dr. S. K. Ghosh)

Professor and Head

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For details the vendors may contact Dr. Debdulal Das (Mobile No. 9163547794) during working hours.