

DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,
SHIBPUR, HOWRAH-711 103.

No. 165/2020/EE-3/21(.PS)

Dated: 19/02/2020

From : The Head of the Department,
Electrical Engineering,
IEST, Shibpur, Howrah-711 103

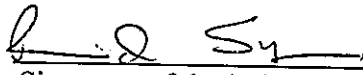
To : Enlisted vendors of the institute and other interested parties/ For Website Tender.


Dear Sir(s),

Sealed quotations are invited for supply of the following item within 04/02/2020. The quotation should include the taxes as per rule, delivery charges, entry tax if any, etc. to Indian Institute of Engineering Science and Technology, Shibpur and should mention a firm delivery period. Preferences will be given to the suppliers who can supply ex-stock.

The vendors, who are not enlisted in the Institute register, should submit the copies of their valid Trade License, PAN, latest Income Tax / Sales Tax Statement /Return, SSI/MSME certificate, GST certificate if any etc. and any other commercial credentials.

Yours faithfully,


Signature of the indenting Officer/
Concerned Faculty Member


Prof. & Head of EE Dept. 13/02/2020
IEST, Shibpur, Howrah - 711 103

List of Item:

As in Annexure- A1



Prasid Syam
Professor & Head
Electrical Engineering Deptt.
Indian Institute of Engineering Science
and Technology, Shibpur
Howrah-711 103

Warranty requirements: 1 year minimum for any manufacturing defect

Annexure - A1

Inductor (a lot) for Industrial Electronics Research Laboratory (IERL), EE Department, IEST Shibpur

Two numbers of identical DC inductors for indoor laboratory applications (room temperature 40 degree C) are required. Each should be ferrite core based, natural-cooled, with value of 20 mH minimum with

current ratings of 20A DC, 22A peak comprising of a 20 kHz ripple current component of 2A rms. Insulation should be class F or H, as applicable. Each inductor should be wrapped (shielded) by the vendor with thin aluminium sheets which will be eventually equipment-earthed by the customer to reduce EMI-related problems. (These inductors will be eventually housed by the customer inside a Z-source inverter.) A clamp structure is to be built by the vendor for each inductor to mount each inductor on a sheet steel base frame of the customer. Before acceptance, each inductor will be tested for its inductance value at the said current and for temperature rise. Insulation level should be 2 kV at least.

Warranty – 1 year minimum for any manufacturing defect.