

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

No. 175/2020/EE-3/21(KM-PEL)

Dated: 28/02/2020

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

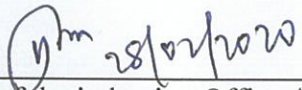
To : Enlisted vendors of the institute and other interested parties/ For Website Tender.


Dear Sir(s),

Sealed quotations are invited for supply of the following item(s) within 09/03/2020. 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.  
IEST, Shibpur, Howrah – 711 103

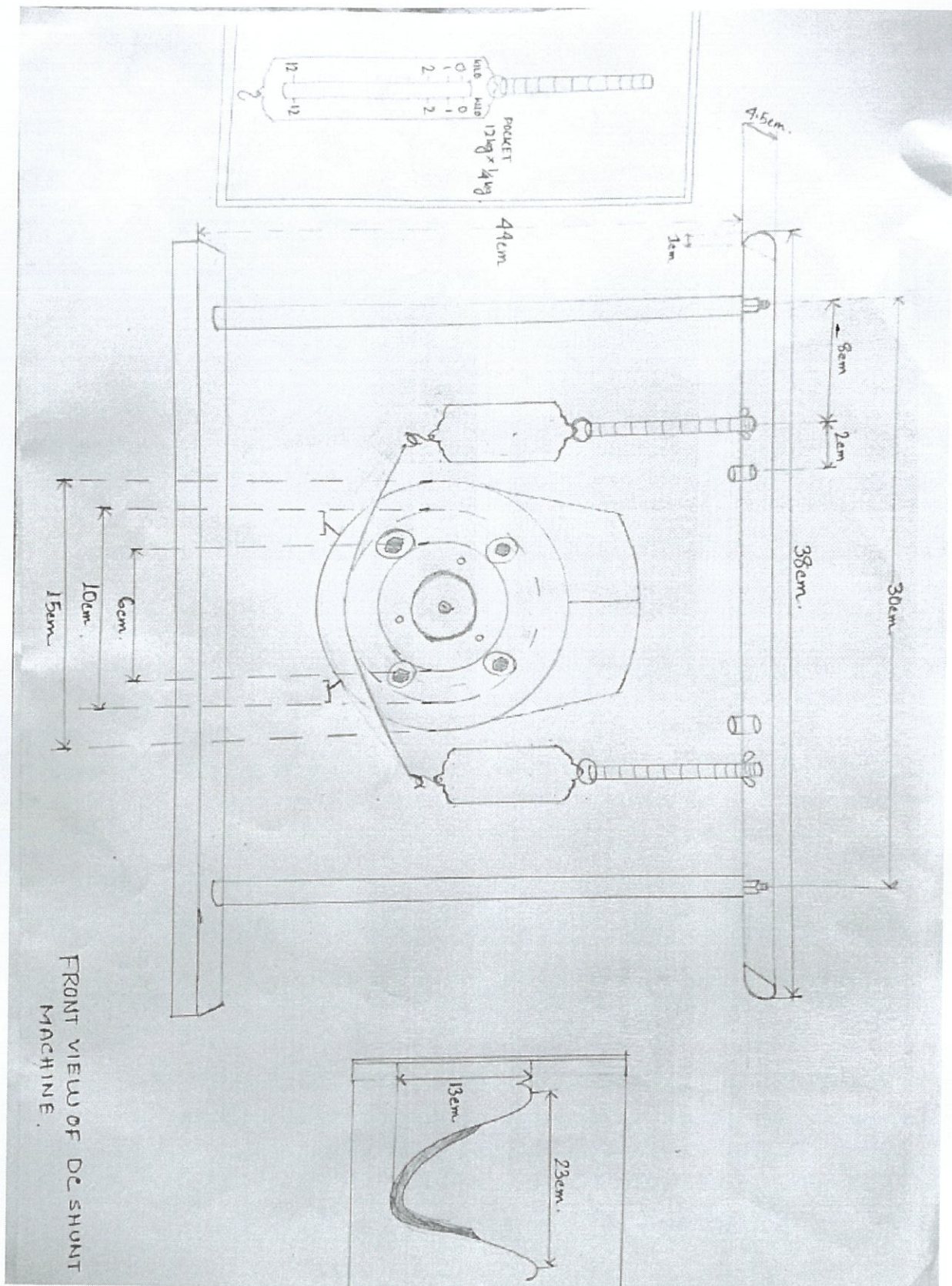
**List of Items:**

- 1) **Mechanical loading arrangement of DC motor with belt, pulley and spring balance etc. – 1 set – for Power Electronics Laboratory:**

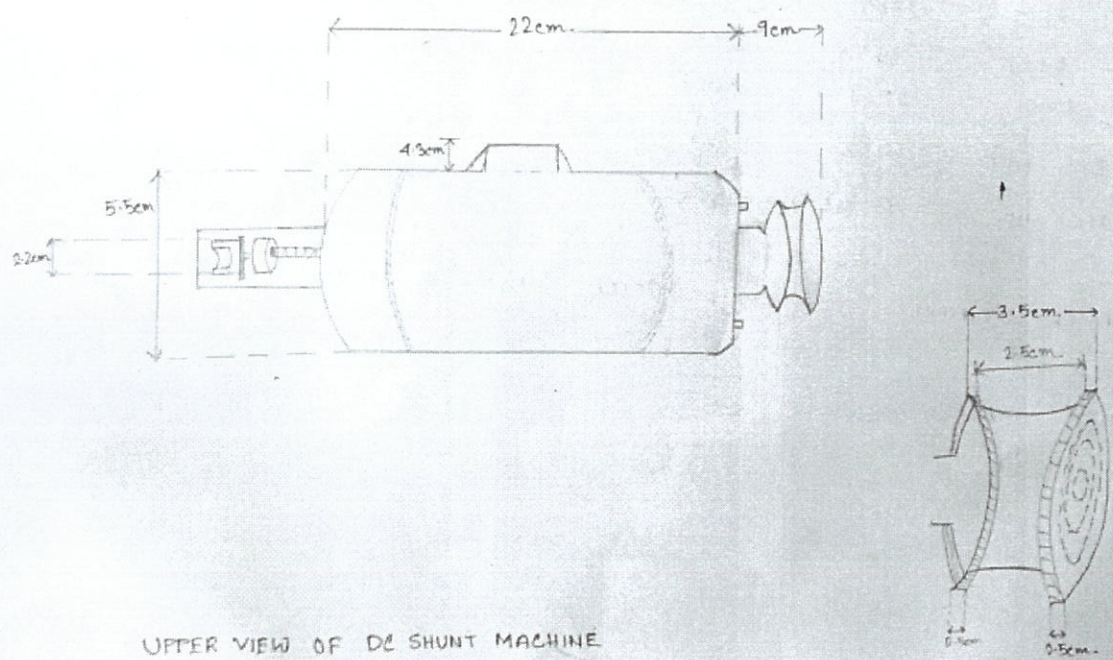
A mechanical loading arrangement system for an existing 0.5 HP, 220V, 2.8A, 1500 RPM DC shunt motor in the above-mentioned laboratory of EE Dept., IEST Shibpur has to be designed and supplied to the said lab, after order is placed on the vendor. The speed may go up to 2000 RPM maximum. The loading arrangement should consist of a suitable belt, shaft mounted pulley, two sets of spring balances (each 12 kg with least count of ¼ kg), threaded stud/screw and nut arrangement.

A rough sketch is being attached, with detailed dimensions/measurements outlined.

After the order is placed, the vendor must arrange to take the said existing DC motor in their works and arrange to integrate the referred loading arrangement mechanically with the motor shaft and frame. After it is ready, at the vendor's premises, joint inspection and testing will be held to ascertain the effectiveness of the assembly and then the vendor should ship the system back to customer's premises. The whole work should include fabrication, assembly, shipment and supply, installation and commissioning.



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UPPER VIEW OF DC SHUNT MACHINE

RATINGS OF DC SHUNT MACHINE.

KW/HP = 0.5.	FRAME = 125
VOLTAGE = 220	AMP = 2.8
Exc. VOLT = 220	AMP = 25.
RPM = 1500	INS CL = F
DUTY = S <sub>1</sub>	WDG = SHUNT
ENCL = IP21	CODE = 57
BRG NDE = 6203	D.E. = 6205.
MAC NO. = RS710A5017.5.9	

MAKERS NAME = ROLWEL MOTORS CALCUTTA. INDIA.