

**SCHOOL OF BIOLOGICAL SCIENCES  
UNIVERSITY OF THE PUNJAB  
Tel: 35953150 Fax: 99230980**

**SUPPLY OF EQUIPMENT & RESEARCH MATERIALS**

**TENDER DOCUMENTS**

Sealed Tenders (single stage one envelope basis) are invited from the GST & Income Tax registered Manufacturers Firms /Sole Distributors/ Exclusive Dealers & Suppliers for the supply of following mentioned item (F.O.R basis Lahore) for the HEC funded project. Tenders shall be received up to 17-01-2022 (01:00 pm) and shall be opened by the Institutional Purchase Committee on same day at 02:30pm in the presence of the bidders or their authorized representatives who may wish to attend.

**(1) LABORATORY EQUIPMENT (ESTIMATED COST 1.30 MILLION)**

**(i) Micro-Centrifuge Machine Refrigerated: \*(Hermle, Hettich, Sorvall, Eppendorf or equivalent) as per PPRA rule 2004 Clause 10 (3): (01No.)**

Digital microprocessor controlled with large LCD display, Rotor Capacity: 24 x 1.5/2.0 mL or better, Biocontainment lid for rotor, Speed range of up to 14000 rpm or better, RCF 21000 x g or better, Speed selection in both rpm and g-force, Multiple acceleration & deceleration rates and should be less than 15 sec or better (as minimum as possible), Temperature range -10 to 40°C, Standstill cooling, Fast cooling option, Pre-selection of the running time range 99 hr 59 minutes or continuous (increment 1 min), Automatic lid lock, Automatic rotor detection, imbalance-identification and cut off, Program storage up to 99 programs or better, Audible signals & alarms, Short spin mode, soft brake function (optional), CFC Free refrigeration system, Manufactured according to international safety regulations, Operated on 220 Volts.

**(ii) Semi Dry Blotting System For 4 Mini Gels With Power Supply (01No.)**

Can transfer gels with capacity of 20 x 20 cm size or better

**Blotter Type:** Semi-dry blotting/ horizontal apparatus

Power lead wire with safety terminal

Gels from 0.25 up to 10mm thick can be blotted

Uniform heat dispersion

Provided with power supply with following specifications

1V, 10mA Resolution, input Voltage of 220: 47-60Hz, 410W

**Maximum Voltage (V):** 300 or better

**Maximum Current (mA):** 3000 or better

**Maximum Power (W):** 300 or better

Constant Parameter, Programmable settings with leakage control, error detection, timer ON/OFF, powerfail recovery option.

**2) RESEARCH MATERIALS FROM SBS GRANT (ESTIMATED COST 1.60 MILLION)**

Sr#	ITEM NAME	QTY
01.	Morpheus Crystallization Screen	01x(96x10ml)
02.	PACT Premier Crystallization Screen	01x(96x10ml)
03.	JCSG plus Crystallization Screen	01x(96x10ml)
04.	The MRC Crystallisation Plate Polystyrene	01x100plates

