

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP-III)

Indian Institute of Engineering Science and Technology, Shibpur
(Formerly Bengal Engineering and Science University, Shibpur)

P.O. Botanic Garden, Howrah - 711 103, INDIA.

(Tel: 91-33-2668 4561 Extn 456; Telefax: 91-33-2668 5186)

Procurement Plan: Indian Institute of Engineering Science and Technology, Shibpur (1.3) upto December 2018

Serial No.	Item Name	Item Description/ Specification	Item Quantity	Estimated Cost Per Unit (INR)	Total Estimated Cost (INR)	Department
1	Desktop Computer	Processor- Intel i5; Ram-8GB DDR3;HDD- 1TB;Monitor- 19"	40	55000	2200000	IT
2	Desktop Computer	Processor- Intel i5; Ram-8GB DDR3;HDD- 1TB;Monitor- 19"	40	55000	2200000	CST
3	Xilinx Vivado	Xilinx Vivado Software - 25 user	1	150000	150000	EE
4	Xilinx System Edition	ARM DS-5 Development Studio (software)	1	700000	700000	EE
5	LCD screen projector	Display Type: LCD; Light Output: 4000 Lumens; Contrast Ratio:5000:1; Throw Ratio:1.26-2.30	2	65000	130000	EE
6	Four Quadrant Controllable DC POWER SOURCE	Three phase fully controlled anti parallel bridge for four quadrant operation; Input Voltage: Three phase 400 V, 50 Hz;	2	350000	700000	EE
7	Isolation transformer	Three phase 415V star/ star, 5 KVA, galvanic isolation of 5 kV	1	100000	100000	EE
8	Scaled down analog model of a 220 kV 3-phase transmission line	Scaled down analog model of a 220 kV 3-phase transmission line	1	275000	275000	EE
9	Cascade wind tunnel with compressor and turbine blade	Cascade wind tunnel with compressor and turbine blade	1	1500000	1500000	A&AM

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10	Total Station	Distance measurement range: 1.5m to 3500m; Angular measurement accuracy: 1 st ; Compatible software	1	250000	250000	MIN
11	Automatic Precise Level	Magnification: 32x; Gas Filled Telescope: Yes; Angle Measurement: 360; Multiplication factor/additive constant: 100/0	2	50000	100000	MIN
12	Rock deformation device	The apparatus should meet the essential requirements of IS: 10082-1982 for use with NX size core samples.	1	400000	400000	MIN
13	Brazilian test apparatus	The apparatus should meet the essential requirements of IS: 10082-1982 for use with NX size core samples.	1	100000	100000	MIN
14	Digital point load system	The apparatus should meet the essential requirements of IS: 10082-1982 for use with NX size core samples.	1	200000	200000	MIN
15	Pressure controlled coring system	The apparatus should meet the essential requirements of IS: 10082-1982 for use with NX size core samples.	1	200000	200000	MIN
16	Ultrasonic velocity test system	The apparatus should meet the essential requirements of IS: 10082-1982 for use with NX size core samples.	1	400000	400000	MIN
17	Flame Safety lamp	DGMS approved	1	100000	100000	MIN
18	Methanometer	DGMS approved	2	100000	200000	MIN
19	CO-detector	DGMS approved	2	150000	300000	MIN
20	Microprocessor Controlled Electrolytic sample preparation system	Electrolytic sample preparation system refers to microprocessor top and temperature rise to safety limit.	1	1850000	1850000	MET

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21	High Performance Liquid Chromatography	Solvent try, Quaternary pump, gradient mixer, auto sampler, column oven, PDA/FLD; column, UPS	1	2000000	2000000	CE
22	Micro Hardness Tester	Test force- 10 gf-10kgf, Vickers, Knoop, Brinell; Integrated windows PC	1	2700000	2700000	ME
23	Mixed Signal Oscilloscope	Bandwidth - 100MHz; Sampling Rate - real time - 2GS/s max.; Equivalent Sample Rate - 100GS/s max.; No. of channel -4	3	190000	570000	ETC
24	Broadband Horn Antenna	Frequency Range, 1-18 GHz; Type: Pyramidal, double ridge; Polarization: Linear; Gain (typ): 5-14 dBi;	2	75000	150000	ETC
25	Antenna Training System	Frequency: 5MHz-2GHz, Frequency Res: 50,100,250,500KHz, 1, 10, 100 MHz; Modulation: FM, AM, Internal and external; RF Level : 10 dBm	1	250000	250000	ETC
26	EDA tool	VHDL, VERILOG and SPICE with pre layout and post layout	1	450000	450000	ETC
27	DSP/DIP Processor	Analog Devices Blackfin Processor, Camera for Video and	1	350000	350000	ETC
Total (in rupees)					1,85,25,000.00	

Gopal Chandra Roy
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Coordinator-TEQIP-III

APD
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