

## Procurement Plan of TEQIP-II

### (a) Cental Purchase

Sl. No.	ITEM	Estimated Cost (lakhs)
1	LED projector	9.80
2	Desktop Computers	42.00
3	Laptops	25.00
4	Printers	2.68
5	Air Conditioners	0.46
6	Almirah	2.00
7	Computer chairs and tables	9.00
8	Slotted angle rack	0.75
9	UPS – 5 KVA	3.80
	<b>Total</b>	<b>95.49</b>

### (b) Library

Sl. No.	ITEM	Estimated Cost (lakhs)
10	Library books	8.00
11	Journals	3.00

12	e-Journals	9.50
13	Online Books	1.32
	Total	21.82

**(c). Department of Civil Engineering**

<b><u>Sl No.</u></b>	<b><u>ITEM</u></b>	<b><u>Estimated Cost (lakhs)</u></b>
<u>14</u>	<u>HPLC Sykam Detector</u>	<u>14.00</u>
<u>15</u>	<u>Weighing Balance</u>	<u>2.00</u>
<u>16</u>	<u>Portable Microbiology Lab</u>	<u>2.30</u>
<u>17</u>	<u>Digestion Apparatus</u>	<u>0.98</u>
<u>18</u>	<u>Cannon Manning Viscometer</u>	<u>2.00</u>
<u>19</u>	<u>Brookfield Viscometer</u>	<u>6.00</u>
<u>20</u>	<u>Horizontal shake table with eccentric cam</u>	<u>3.35</u>
<u>21</u>	<u>Vibration Measurement and Analysis System</u>	<u>0.92</u>
<u>22</u>	<u>Vibration Test Rig for Measurement and Analysis</u>	<u>3.37</u>
<u>23</u>	<u>Active Vibration Control System</u>	<u>2.18</u>
<u>24</u>	<u>Automated Consolidation test apparatus</u>	<u>4.00</u>
<u>25</u>	<u>Hydro dynamic sieve test apparatus for Geo textile testing</u>	<u>2.00</u>
<u>26</u>	<u>Cross permeability test apparatus</u>	<u>1.00</u>

<u>27</u>	<u>Universal testing system for geotextiles</u>	<u>3.00</u>
<u>28</u>	<u>Double stage Direct Drive Rotary High Vacuum pump, Oil/water System Split Mould 38*76mm</u>	<u>0.86</u>
<u>29</u>	<u>Flow meter kit with well sounder (Vertical Electrical Sounding system)</u>	<u>3.68</u>
<u>30</u>	<u>Resistivity Meter-CRM-50, ANVIC (INDIA)</u>	<u>4.25</u>
<u>31</u>	<u>Hydraulic Jacks</u>	<u>3.69</u>
<u>32</u>	<u>Prestressed Jacks</u>	<u>6.00</u>
<u>33</u>	<u>Primavera Software</u>	<u>1.00</u>
<u>34</u>	<u>M.S. Project</u>	<u>0.50</u>
<u>35</u>	<u>Furnace (to study the fire resistance of concrete)</u>	<u>5.50</u>
<u>36</u>	<u>Concrete Mixer</u>	<u>1.20</u>
<u>37</u>	<u>Load Cells</u>	<u>2.00</u>
<u>38</u>	<u>Electronic Theodolite</u>	<u>4.75</u>
<u>39</u>	<u>Automatic Weather station Model</u>	<u>3.50</u>
<u>40</u>	<u>Infrared Thermometer Sound Level meter High Density lux Moisture meter</u>	<u>2.00</u>
<u>41</u>	<u>Google Sketchup Pro</u>	<u>0.25</u>
<u>42</u>	<u>ANSYS 12.1 Software</u>	<u>0.40</u>
	<u><b>Total</b></u>	<u><b>87.28</b></u>

(d) Department of Computer Science and Engineering

Sl. No.	ITEM	Estimated Cost (lakhs)
43	Server with Networking	9.20
44	Work Station	7.20
45	Phantom Desktop Device	6.25
46	GNU Radio(SDR) for WSNs	4.00
47	WSN design Kits	3.00
48	WSN Class room kit	1.34
49	High End Digital Camera	0.55
50	Scanners	0.50
51	LED TV	0.85
52	Voice Recorders	0.26
53	Head Phones	0.17
54	Finger Print Live Scanner	1.25
55	Qualnet 5.0 Network Simulator	5.25
56	SPSS Modeler	6.20
57	Multimedia software	0.86
58	Auto desk software	0.43
59	Maya Software	0.75
60	Discovery Studio	7.25
61	EXATA Network Emulator	5.20

62	Cloud Computing Software	1.00
63	Thin Clients Computer	2.00
	<b>Total</b>	<b>63.51</b>

### (e) Department of Electronics Communication and Engineering

Sl. No.	ITEM	Estimated Cost (lakhs)
64	Spectrum Analyzer with tracking generator	8.93
65	Line Impedance Stabilization Network (LISN)	1.75
66	High Voltage Probe	1.24
67	High Voltage Differential Active Voltage Probe	1.52
68	Current probe with amplifier	2.30
69	Demonstration kits for TV/RADIO/DTH with set up box	0.25
70	DSP starter kit(DSK) TMS320C6713 with code composer studio.	1.50
71	Image/video Daughter Card with on board display	0.70
72	4-channel Audio Daughter card	0.30
73	High speed ADC/DAC Daughter card	0.80
74	Fiber Optic Lab	15.30
75	VLSI Design & Verification tool	6.00
76	VIRYEX 2PRO FPGA Development Kit	7.00
	<b>Total</b>	<b>47.59</b>

**(f) Department of Electrical & Electronics and Engineering**

<b>Sl. No.</b>	<b>ITEM</b>	<b>Estimated Cost (lakhs)</b>
77	DSP based Embedded System Design	3.90
78	FPGA based Embedded System Design	8.60
79	USB based Data Acquisiton & Control Platform	10.52
80	Integrated Electronic Circuit Design & Prototyping Platform	19.89
81	VHDL Software	1.10
82	NI Lab VIEW Software	6.00
	<b>Total</b>	<b>50.01</b>

**(g) Department of Mechanical Engineering**

<b>Sl. No.</b>	<b>ITEM</b>	<b>Estimated Cost (lakhs)</b>
83	Wirecut Electric Discharge Machining System	15.00
84	Electronic balance	1.00
85	Cutting tool Dynamometers	15.00
86	CFD Fluent Software	4.00
87	Machine vision and image processing system	12.0

88	Upgradation of existing Optical Microscope	1.50
89	Instrumented Drop Weight Impact Machine	20.00
90	Residual Stress Measurement using strain guage & drilling equipment	10.00
91	3D – Surface Roughness Measurement Instrument	8.00
92	Electric Discharge Machining System	9.00
93	Upgradation of existing "Polariscope"	0.50
94	Upgradation of existing "FFT Analyzer"	2.00
	<b>Total</b>	<b>98.00</b>

### (h) Civil Works

Sl. No.	ITEM	Estimated Cost (lakhs)
95	Refurbishing of existing spaces (Civil Works)	<b>37.50</b>

	<b>Total</b>	<b>501.20</b>
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