

TENTATIVE

Package List for Procurement in TIT, Narsingarh under TEQIP-III Project Fund

| Sl. No. | Name of Package | Tentative Items under the package (may change, if required) |
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| 1 | PHYSICS LAB-1 | 1) POWER SUPPLY WITH DIGITAL METER 2) GALVANOMETER 3) D.C VOLTMETER 4) D.C AMETER 5) P N JUNCTION DIODE CHARACTERISTIC STUDY APPARATUS, ZENER DIODE CHARACTERISTICS, STUDY OF CHARACTERISTICS OF SEMICONDUCTOR. 6) HALF WAVE AND FULLWAVE RECTIFIER APPARATUS 7) FUNCTION GENERATOR 8) DIGITAL OSCILLOSCOPE WITH FFT |
| 2 | ANALOG ELECTRONICS LAB | 1) 555 TRAINER KIT. 2)741 TRAINER KIT 3)BREAD BOARD TRAINER KIT |
| 3 | DESKTOP COMPUTERS FOR COMPUTER LAB | DESKTOP PC |
| 4 | OFFLINE UPS FOR COMPUTER LAB | OFFLINE UPS |
| 5 | ENVIRONMENTAL ENGG. | 1)MULTIPARAMETER WATER QUALITY ANALYZER 2)MAGNETIC STIRRER WITH HOT PLATE 3)JAR TEST APPARATUS 4)MUFFLE FURNACE 5)MICROPROCESSOR BASED CONDUCTIVITY METER 6)PHOTO COLORIMETER 7)MICRO PROCESSOR BASED DISSOLVE OXYGEN METER 8)PORTABLE TURBIDIMETER 9)HOT AIR OVEN 10)INCUBATOR SHAKER 11)ANALYTICAL BALANCE 12)AUTOMATIC KJELDAHL NITROGEN ANALYZER DISTILLATION UNIT 13)DOUBLE DISTILLATION PLANT 14)PERISTALTIC PUMP |
| 6 | EQUIPMENTS FOR ELECTRICAL MACHINES LABORATORY | 1) PARALLEL OPERATION OF TWO SINGLE PHASE TRANSFORMERS. 2) NO LOAD & BLOCK ROTOR TEST ON 3 PHASE INDUCTION MOTOR. LOAD TEST ON 3 PHASE SQIM. 3) REGULATION OF THREE PHASE ALTERNATOR BY SYNCHRONOUS IMPEDANCE METHOD. (OC & SC TEST), EMF & MMF METHOD AND BY ZPF TEST. 4)DC REGULATED POWER SUPPLY 5) PARALLEL OPERATION OF TWO ALTERNATORS. 6) V & INVERSE V CURVE FOR 3 PHASE SYNCHRONOUS MOTOR. 7) OC - SC TEST ON SINGLE PHASE TRANSFORMER. 8)LOAD CHARACTERISTICS OF DC SHUNT MOTOR & GENERATOR 9) LOAD TEST OF DC COMPOUND GENERATOR - DETERMINATION OF SCHARACTERISTICS. |
| 7 | MECHANICAL MEASUREMENT LAB | 1)STRAIN GAUGE TRAINER KIT 2)LVDT TRAINER 3) TEMPERATURE MEASUREMENT KIT |
| 8 | NON DESTRUCTIVE TESTING EQUIPMENT | 1) RE-BAR LOCATOR 2) RESISTIVITY METER FOR CONCRETE |
| 9 | EQUIPMENTS FOR ADVANCED COMPUTER LAB | (1) THIN CLIENT DEVICE SYSTEM WITH MONITOR, KEYBOARD AND MOUSE (2) SERVER PC |

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| 10 | LAB TESTING EQUIPMENTS | 1) DUAL CHANNEL DIGITAL STORAGE OSCILLOSCOPE 2) FOUR CHANNEL DIGITAL STORAGE OSCILLOSCOPE 3) FUNCTION GENERATOR AND COUNTER 4) DIGITAL MULTI METER 5) DUAL CHANNEL POWER SUPPLY 6) PROBES & WIRES |
| 11 | GEOTECH AND CONCRETE LAB | 1) MODIFIED PROCTOR TEST APPARATUS 2) VIBRATORY SIEVE SHAKER 3) RELATIVE DENSITY TEST APPARATUS 4) VIBRATING TABLE 5) CONCRETE MIXTURE MACHINE (DRUM TYPE) 6) DIGITAL BALANCE :- (5 KG CAPACITY) 7) DIGITAL BALANCE :- (10 KG CAPACITY) 9) VIBRATION MACHINE 10) AIR ENTRAINMENT METER 11) FLOW TABLE FOR MORTAR 12) FLOW TABLE FOR CONCRETE |
| 12 | TESTING INSTRUMENTS FOR DIFFERENT LABORATORIES | 1) DIGITAL STORAGE OSCILLOSCOPES 2) FUNCTION GENERATOR |
| 13 | HYDRAULIC LAB | 1) BERNOULLI'S THEOREM APPARATUS 2) META CENTRIC HEIGHT APPARATUS 3) IMPACT OF JET ON VANES APPARATUS 4) REYNOLDS APPARATUS (VERTICAL TYPE) 5) PITOT TUBE 6) PIPE FRICTION APPARATUS 7) ORIFICEMETER AND VENTURIMETER APPARATUS |
| 14 | FLUID MACHINES | 1) PELTON WHEEL TURBINE TEST SETUP 2) FRANCIS TURBIN TEST SETUP 3) KAPLAN TURBIN TEST SETUP 4) CENTRIFUGAL PUMP TEST RIG 5) RECIPROCATING PUMP TEST RIG |
| 15 | GIS SOFTWARE | ARC MASTER LAB KIT |
| 16 | INTERACTIVE PROJECTOR FOR CSE CLASSROOM | 1) INTERACTIVE PROJECTOR |
| 17 | HARDWARE FOR LECTURE CAPTURE FOR CSE DEPT | LECTURE CAPTURE HARDWARE FOR THREE CLASSROOMS |
| 18 | S.M.LAB. 2 | 1) UNIVERSAL TESTING MACHINE |
| 19 | EQUIPMENTS FOR POWER SYSTEM LABORATORY | 1) TRANSFORMER PROTECTION TEST SET UP 2) THREE PHASE FAULT ANALYSIS STUDY TRAINER 3) AC MOTOR PROTECTION RELAY TEST-SETUP |
| 20 | GAS DYNAMICS | 1) SUB-SONIC WIND TUNNEL TEST RIG ALONG WITH SMOKE GENERATOR |
| 21 | CONTENT CHECKING SOFTWARE | 1) ITHENTICATE / TURNITIN SOFTWARE |
| 22 | ORACLE ENTERPRISE | ORACLE ENTERPRISE |
| 23 | ROBOTICS LAB | PICK AND PLACE TYPE ROBOT. |
| 24 | S.M. LAB. 1 | 1) MICRO CONTROLLER BASED COMPRESSION TESTING MACHINE 500 KN CAPACITY 2) MICRO CONTROLLER BASED COMPRESSION TESTING MACHINE 2000 KN CAPACITY |
| 25 | EQUIPMENTS FOR IMAGE PROCESSING LAB | 1) DIGITAL SLR CAMERA WITH FULL-FRAME INTERCHANGEABLE DIGITAL LENS 2) DIGITAL CAMERA 3) MACRO TELEPHOTO ZOOM LENS WITH HOOD FOR DSLR CAMERA 4) DIGITAL CAMCORDER CAMERA 5) TRIPOD STAND FOR DIGITAL CAMERA |
| 26 | MULTI SCANNER | 1) MUTI SCANNER |
| 27 | MATLAB FOR CSE DEPARTMENT | MATLAB SOFTWARE WITH SELECTIVE TOOLS |
| 28 | MATLB SOFTWARE FOR EE DEPARTMENT | MATLAB SOFTWARE WITH SELECTIVE TOOLS |

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| 29 | EQUIPMENTS FOR VIDEO CONFERENCE SET | 1)COMPLETE VIDEO CONFERENCE SET |
| 30 | FIREWALL EQUIPMENT SET | HARDWARE FIREWALL DEVICE |
| 31 | ETAP SOFTWARE FOR EE DEPT | ETAP SOFTWARE |
| 32 | MANUFACTURING PROCESS LAB. | CNC LATHE |
| 33 | CONTROL SYSTEM LABORATORY | COMPLETE MODULAR SERVO SYSTEM |