

Package Code	Package Name	Justification	Item Category	Item Sub Category	Activity Name	Is Proprietary	Through DGS & D	Estimated Financial Sanction Date	Total Estimated Cost	Proc. Method	Item Name	Item Description	Item Quantity	Item Estimated Cost Per Unit
TEQIP-II/CG/CG1G02/1	Civil-survey lab-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	59000.00	Shopping	Prismatic compass	100 mm diameter made of gunmetal or brass with fine finish wooden tripod stand	10	1000.00
											Surveyor compass	100 mm diameter made of gunmetal or brass with fine finish wooden tripod stand	10	1000.00
											Metric chain 30 meter	as per IS specification having 100 or 150 links	10	1000.00
											Metric chain 20 meter	as per IS specification having 100 links	10	1000.00
											Optical square	For survey purpose as per BIS specification	10	1000.00
											Cross staff	Of Size 100 x 100 x 50mm	15	600.00
TEQIP-II/CG/CG1G02/2	Civ-Concrete lab-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	200000.00	Shopping	Vee-Bee Consistometer	A Slump cone 100 mm inside diameter at top and 200 mm inside diameter at base and 300 mm height.	01	50000.00
											Flow Table Motorized	Machine Table top 250 mm diameter made of Gunmetal, conical mould 100 mm inside diameter at bottom and 90 mm inside diameter at top and 50 mm height.	01	100000.00
											Vicat Apparatus	A frame with a vertically moving bearing rod, 70 mm diameter at bottom and 60 mm diameter at the top and 40	10	5000.00
TEQIP-II/CG/CG1G02/3	CIV-ENVIRONMENT LAB-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	550000.00	Shopping	BOD Incubator	BOD Incubator Chamber size 10 cubic feet, capacity 336 liters double walled, Temperature controller 50C	01	150000.00
												to500C		

											Turbidity meter	Range-0 to 1000 HPU, Direct reading out in HPU, Curves with 6 samples	05	50000.00
											Digital Ph meter	Dimension (21.2x8.70x4.20) cm, Range-pH -2.00 to 19.99, mV, Temperature -10 to 110 0C, Resolution pH 0.1, 0.01,0.001 (able), Accuracy- pH +/- 0.002, temp. +/- 1	05	10000.00
											Muffle Furnace	Standard	01	100000.00
TEQIP-II/CG/CG1G02/4	CIV-ENVIRONMENT LAB-II	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	450000.00	Shopping	Digital Spectrophotometer	Range-340 to 960 nm, Resolution- 0.1% , Wave length accuracy -1 mm, Operating Temperature -05 to 45 0C.	01	350000.00
											Hot Air oven	Dimension (910x605x605) mm, Temperature Range – Range of 2500C.	01	50000.00
											Microscope	Magnification-100 x to 675 x, Plano Concave mirror	01	50000.00
TEQIP-II/CG/CG1G02/5	Civil-geology lab-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	115000.00	Shopping	Crystallographic Model	Wooden/ Plastic model multy colour having consist of deep, strike, true deep, apparent deep, crystal class having equal and un equal group, model of structural geology multy colour set of characteristic feature of fold, fault and unconformity and joints (size 6"x4")	01	50000.00
											Wooden Cabinet	20 cm x 25 cm in size and 6.0 cm depth	05	10000.00
											Hardness Testing kit	It includes Streak plate, Knife, pocket magnifying lens, glass plate, mohr'S Scale.	10	500.00
											Rock Specimen 100 nos.	Size 5.0 cmx7.00 cm showing characteristic physical properties.	01	10000.00
TEQIP-II/CG/CG1G02/6	CIV-GEOTECH LAB-I	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	750000.00	Shopping	Static Cone Penetration machine	Maximum Pushing force-200 KN, Maximum Pulling force-220 KN, Drive- 12.5 Hp Diesel Engine, Pressure Gauge- Low 0-160 Kg/cm2 and High 0-600 Kg/cm2 , Penetration Speed 10-15 mm/s as per IS 4968 (Part III)	01	700000.00
											Skempton's Core Pressure App.	Capacity 10 Kg/cm2, As per IS Standard	01	50000.00
TEQIP-	CIV-GEOTECH LAB-II	presently not available	Goods	Equipment	Infrastructure Improvement for	No	No	03/07/2012	625000.00	Shopping				

II/CG/CG1G02/7					teaching, training and learning facilities						North Dakota Cone Apparatus	A shaft with a sharp steel cone of angle 15030° attached to one end and sliding vertically in a frame, a set of weight up to 5 Kg (7 nos.) .	01	50000.00
											Tri axial Compression Test App.	Load Frame- Motorized 50 KN capacity with single speed 1.25 mm/minute , Tri axial Cell- Suitable for 38/50 mm diameter and 76/100 high specimen, Suitable for lateral pressure up to 1000 Kpa, the cell has 4 takeoff positions drilled in the base for cell pressure and 4 sealing rings for 38/50 mm dia samples.	01	225000.00
											Consolidation Test Apparatus	Bench Type Consolidometer front loading single unit, as per IS 2720(part XV), Comprises – Loading unit 20 Kg/cm2 , Consolidation Cell 60 mm dia. And 20 mm height.	01	50000.00
											Un Confined Compression Test App.	Screw jack with frame and dial gauge holder, Set of upper and lower platens 150 mm diameter, Cone seating 2 nos., Proving ring suitable capacity.	01	300000.00
TEQIP-II/CG/CG1G02/8	CIV- GEOTECH LAB-III	outdated-old model	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	Direct Shear Test Apparatus	Shear box assembly 60 mm square complete with U bracket, Gripper assembly consisting of 2 plain grid plates, 2 perforated grid plates, base and loading pad all made of brass with normal loading capacity of 8 Kg/cm2 on 60 mm square specimen with motor driven 12 speed gear drive providing 12 rate of strains	01	150000.00
											Standard Penetration Test App.	hammer 65 Kg, Drive pipe Assembly of 75 cm fall, Tripod stand 5m length.	01	250000.00
TEQIP-II/CG/CG1G02/9	CIV-TRANSPORTATION LAB-I	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	200000.00	Shopping	Standard Penetrometer	Supply complete set with suitable dial gauge and 50 g and 100 g weights	02	30000.00
											Ring Ball Apparatus Electrically operated	Complete set with 2 steel ball 95. mm diameter, A ring holder and bath tub 8.5 cm	02	25000.00
												dia . and 12 cn high approximately.		

TEQIP-II/CG/CG1G02/13	Elex analog-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	358000.00	Shopping	LVDT Trainer	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	15000.00
											Measurement of displacement using light dependent resistor (LDR)	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	15000.00
											Diode and Zenner Characteristics with power supply	12 volt dc, 50mA regulated power supply	03	7000.00
											Photo Transister Trainer	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	5000.00
											Characteristics of photoconductive cell	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	7000.00
											Transister Characterstics with power supply	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	13000.00
											Measurement & control of temperature using IC sensor	± 12 VDC, 100 mA, regulated power supply.	03	10000.00
											Characteristics of NTC bridge circuit	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	8000.00
											LDR light/dark activated relay switch	12 volt dc, 50mA regulated power supply, Range ± 20 , 4kHz fixed sine wave.	03	12000.00
											Frequency modulation transmitter kit	± 12 VDC, 100 mA, regulated power supply.	02	13000.00
											Frequency modulation receiver kit	± 12 VDC, 100 mA, regulated power supply.	02	13000.00
											AM/FM Radio receiver kit	± 12 VDC, 100 mA, regulated power supply.	02	15000.00
TEQIP-II/CG/CG1G02/14	Elex Microcontroller	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	257000.00	Shopping	Advanced 8051 microcontroller trainer	In-built power source : inbuilt +5V, +12V and -12V DC power sources are provided. Mono-pulse and clock unit : with frequencies 8MHz, 4MHz, 2MHz, 1MHz, 500KHz, 250KHz, 125KHz, 62.5KHz and 31.25KHz, Serial port for program download	05	13000.00
											8085 microprocessor kit	It contains all the minimal peripherals with a detachable hex key pad /display PCB. easy-to-use, entry level, 8085 based Microprocessor Advanced trainer kit.	05	9000.00
											STL-Sensor Trainer	Built in power supply, DC supply ± 12 V, 500mA, variable 7V to 14V @ 3Amp. For torque measurement experiment	01	15000.00
											Transistor amplifier trainer	Built in power supply, DC supply ± 12 V	02	13000.00
											Current voltage feedback	Built in power supply, DC supply ± 12 V	02	12000.00
											H-parameter FET amplifier	Built in power supply, DC supply ± 12 VDC	02	8000.00
											RF tunnel amplifier	Built in power supply, DC supply ± 12 V	02	13000.00

											JFET amplifier	Built in power supply, DC supply ± 12V	02	12000.00
											Negative feedback amplifier	Built in power supply, DC supply ± 12V	02	8000.00
TEQIP-II/CG/CG1G02/15	Elex Workshop-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	220000.00	Shopping	PCB DRILLING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	40000.00
											PCB ETCHING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	35000.00
											PHOTO RESIST DIP COATING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	35000.00
											ROLLER TINNING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	45000.00
											FILM MAKING UNIT	230v 50 hz, 16x2 LCD for timer and lamp status display	01	25000.00
											ILLUMINATED MAGNIFIER: 5x Magnification Table Lamp.	230v 50 hz,	01	10000.00
											PHOTO DYE/DEVELOPER (2 IN 1)	230v 50 hz, 16x2 LCD for timer and lamp status display	01	30000.00
TEQIP-II/CG/CG1G02/16	Elex Fibre Optics-1	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	800000.00	Shopping	Fiber Optic Analog Transmitter Kit	IC regulated power supply,230 v, 50Hz	01	200000.00
											Fiber Optic Analog Receiver Kit	IC regulated power supply,230 v, 50Hz	01	200000.00
											Fiber Optic Analog And Digital Modulation/Demodulation Kit	IC regulated power supply,230 v, 50Hz	01	200000.00
											Fiber Optic Advance Digital Communication Kit	IC regulated power supply,230 v, 50Hz	01	200000.00
TEQIP-II/CG/CG1G02/17	Elex Fibre Optics-2	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	565000.00	Shopping	FIBER OPTIC TRAINER KIT BASED ON LASER DIODE AND GLASS FIBER	IC regulated power supply,230 v, 50Hz	01	125000.00
											FIBER CONNECTOR AND SPLICE INSTALLATION TOOLS	IC regulated power supply,230 v, 50Hz	01	100000.00
											Fiber Optic Power Meter	Hand Held Power Meter - 0.01dB Resolution, Calibrated at 850/1310/1550nm	02	45000.00
											ADVANCE FIBER OPTIC COMMUNICATION TRAINER	IC regulated power supply,230 v, 50Hz	01	250000.00
TEQIP-II/CG/CG1G02/18	Elex Spectrum-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	Spectrum Analyzer	IC regulated power supply,230 v, 100 KHz to 1 Ghz	01	400000.00
												generate, USB/RS232 Interface, software interfacing		

TEQIP-II/CG/CG1G02/19	Elex Microwave-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	240000.00	Shopping	BASIC KLYSTRON BENCH SET UP	Klystron power supply, VSWR Meter solid state , Klystron mount, Frequency meter (Direct reading)	01	120000.00
											BASIC GUNN DIODE BASED BENCH	Gunn power supply (Digital), Detector mount with detector, Frequency meter (Direct reading)	01	120000.00
TEQIP-II/CG/CG1G02/20	IT Networking	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	375000.00	Shopping	LAN Trainer Kit (Network Interface ,Network Emulator, Programming Library software)	Fullfill various aspects of LAN's such as hardware & cabling, software configuration & protocols. i.e. LAN Card Cable, Onboard Hub & Cabling setup via jumpers Connectors, HUB, Switch, Crimping Tools	03	125000.00
TEQIP-II/CG/CG1G02/21	IT Fibre-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	36400.00	Shopping	INTERNET HIGH END ROUTER	DI-high speed RISC based minimum 500Mhz,E3, Ch-E1, E1 G.703 and STM-1/OC-3 interfaces as per ITU-T standard.forwarding capability of at least 400Kpps using 64-byte packet size,at least 256MB RAM and adequate Flash memory to support all the desired features,purpose-built modular chassis based SNMP managed router with IPv6 enabled hardened operating system.	01	36400.00
TEQIP-II/CG/CG1G02/22	IT Fibre Network	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	565500.00	Shopping	MANAGED L3 SWITCH	DGS-purpose-built modular and stackable Layer-3 SNMP managed switch with IPv6 enabled hardened operating system.	03	188500.00
TEQIP-II/CG/CG1G02/23	IT Fibre comm	fiber optics networking	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	750000.00	Shopping	MANAGED WIRELESS BRIDGE	DAP WITH 15 dBi ANTENNA OMNI AND PIGTAIL, Frequency Range 2.4-2.5GHz Gain 15dBi Polarization + Linear + Vertical HPBW + Horizontal -360,Compatible with 802.11g and 802.11b networks + Vertical -5 Power Handling 50W (cw) Impedance 50 Ohms	08	75000.00

											GBIC MOUDLE FOR DGS	DEM-support sliding into the mini GBIC slots.inbuilt duplex LC connectors,1000Base-LX (IEEE 802.3z standard).Shall be complied with other Layer-2 and Layer-3 switches for seamless interoperability	12	12500.00
TEQIP-II/CG/CG1G02/24	IT Fibre switch-II	Fibre optics networking wi fi	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	545900.00	Shopping	MANAGED WIRELESS ACESS POINT	DAP-E3, Ch-E1, E1 G.703 and STM-1/OC-3 interfaces as per ITU-T standard.	20	25000.00
											TERMINATED OFC TESTING AND ACTIVATION.	RS 422 and RS 455 Standered	24	450.00
											RACK MOUNT SC BASED	12 U LIU LOADED.Stackable design, sufficient room provided for storage of excess cable,Fully cushioned splice holder containing grooves for fixing splice protective sleeves,Shall accept SC simplex/duplex adaptors	06	5850.00
TEQIP-II/CG/CG1G02/25	IT Workstation	Less in quantity	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	860000.00	Shopping	Workstation	Chipset Intel 5520 Super I/O Controller SMC SCH5327, Rev B Processor Socket Single LGA1366 Memory Modes NUMA (Non-Uniform Memory Architecture), Memory Node Interleave Memory Speed Supported 800, 1066, & 1333 MHz Processors Intel Xeon Processor X5570 QC 2.93 GHz, 95W, 8M cache, 6.40GT/s QPI, DDR3 1333 MHz, HT, Turbo"	04	215000.00
TEQIP-II/CG/CG1G02/27	EE-BEE LAB-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	270500.00	Shopping	AC Ammeter	3½ Digit Digital Portable Meter, Range: 0-2A/20A, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
											AC Voltmeter	3½ Digit Digital Portable Meters, Range: 0-200V/600VAC, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
											AC Digital Watt meter	4½ Digit Digital Portable UPF, Single Phase, Single Element, Accuracy ±0.5%, Range: CC 10A, PC 500V, . Supply: 230VAC, 50 Hz	05	2500.00
											AC Digital Watt meter 3-phase	3½ Digit Digital Portable Meters, three phase, three wire, Accuracy ±0.5%, Range: CC 05A, PC 440V, . Supply: 230VAC, 50 Hz	05	2500.00

												DC Ammeter	3½ Digit Digital Portable Meters, Range: 0-2A/20ADC, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
												DC Voltmeter	3½ Digit Digital Portable Meters, Range: 0-200V/600VDC, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
												Digital volt-amp-frequency- pf Meters	Single Phase, Single Element, Accuracy 2° Electrical, Range: CC. 5A, PC. 220V, 40-99.9Hz, 0.2(lead)-1.0-0.2 (lag), self powered	10	2500.00
												Digital volt-amp-frequency- pf Meters 3-phase	3 Phase, Single Element (balanced load), Accuracy 2° Electrical, Range: CC. 5A, PC. 440V, 40-99.9Hz, 0.2(lead)-1.0-0.2(lag), self powered	10	2500.00
												Analog Watt Meters	Electrodynamometer Portable Type, 3 Phase, 3Wire Balanced & Unbalanced Load, Accuracy ±1.5%, Range: CC.5/10A, PC. 250/500, Accuracy ±0.5%	10	4000.00
												a.c. and d.c. clamp multimeter	DC/ AC current and voltage range - 600 A and 600 V, Resistance and continuity check, 3 1/2 digit, 4000 count display with backlight, High resolution digital bar graph, Peak, min/max and data-hold functions, Zero-offset REL mode for comparative measurements, Supplied complete with test leads and carry case	01	8000.00
												Intelligent Power Factor Controller	440V±10%, 3-F, 5A, 6 Relays, output relay capacity : AC 220V/DC30V, 3A, 0-250 KVAR/ Stage, Automatic or Manual, 0.0-1 (Lag-Lead), Power out Memory	05	5500.00
TEQIP-II/CG/CG1G02/28	EE-AE LAB-I	Available in few & hence required	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	750000.00	Shopping	C.R.O.	Channel: 2, trace:4, sensitivity; 1mv-20V/Div, Very & TB accuracy: ±2%, trigger BW : 60MHZ, X-MEG :X 10, Hold off: 10:1: with component Tester, over scan indicator, Digital Frequency Read out 10Hz to 40Hz	30	25000.00	
TEQIP-II/CG/CG1G02/29	EE-BEE LAB-II	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	58000.00	Shopping	Digital Standard & Programmable Multimeter	DC Voltage – 200mV/2/20/200/1000V, AC Voltage - 200mV/2/20/200/750V/300V Auto, Resistance- 200Ω/2K/20K/200K/2000K/20MΩ, frequency- 0Hz/20KHz/200KHz/2000KHz/200 KHz/10 MHz, Auto and Manual	01	18000.00	
												Micro-Ohmmeter	4½ digits LED display, Display Range - 0.001 mΩ -19.999KΩ,	01	40000.00
													Accuracy ±0.1%, Auto-ranging, Mains Supply: 230VAC, 50 Hz		

TEQIP-II/CG/CG1G02/30	civ-concrete lab -IV	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	600000.00	Shopping	flexural strenth testing machine	flexural strenth testing machine computerized 1000kN capicity' suitable for testing of o.25m lenth test specimen	01	300000.00
											ultra sonic pulse velocity test appratus	display unit with non volatile memory for 250 measured value ,display-128x128 graphic LCD,interface- RS232orwith adopter,integrated software for data transfer to PC,Measuring range-15to 6550µs, resolution-0.1µs,	01	300000.00
TEQIP-II/CG/CG1G02/32	civ-concrete lab-V	PRESENTLY NOT AVAILABLE	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	300000.00	Shopping	compression testing machine	Electrical cum hand operated with 3 phase 440 volts motor,200tonnes,with digital load indicator and have aprovision for stationary load too	01	300000.00
TEQIP-II/CG/CG1G02/34	CIV-Transportation lab-III	Old model out dated	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	175000.00	Shopping	Ductility Testing Machine	Housing water bath10 liters capacity and thermostate controller for heater,the machine has to two standard rates of travel 1cm/minute and 5cm/minute	01	100000.00
											Los angle's abration machine	30-33 rpm,including accessories having for determination of aggregate impact value as per BISSpecification	01	75000.00
TEQIP-II/CG/CG1G02/35	EE-HV LAB -I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	527000.00	Shopping	HV AC/DC Set	100KV AC/140KV DC, suitable to conduct experiments on sphere gap for both A.C and D.C mode, flash over studies between different type of electrodes for AC and DC Modes, Testing Transformer Input voltage : 230V A.C, Output voltage : 100kV A.C, kVA rating : 10kVA, High Voltage rectifier: 40kV, P.I.V : 350kV, Current capacity : 30mA, Reverse current capacity : 10A, Type of cooling : Oil cooled, Resistance divider, Total resistance : 140M-ohm, Voltage rating : 140kV, Current carrying capacity : 1mA, Control panel: Well equipped with motorized dimmer, Memory switch, sample failed indication, zero interlock, door interlock etc.	01	270000.00

											100mm Sphere gap	100mm sphere gap assembly, Diameter of Spheres : 100mm, Material of Spheres : Pure copper, Type of Sphere gap : Vertical & mobile, Height of the Sphere gap : 1250mm, Distance of Sphere from structure : 200mm, motorized system and controlled from the control panel, Clock type gap indicator with the sphere gap apparatus, water resistor with stainless steel ends, 400ohm resistor should also be provided for impulse test, moving metal parts should be satin type hard-chrome plated	01	70000.00
											Rod gap Apparatus	rod-gap apparatus on mobile base frame, insulating structure with provision to mount the electrodes, Suitable micrometer scale on the moving electrode side to adjust the gap to the accuracy of ± 0.1 mm, pair of plate electrodes (uniform field), pair of point shaped electrodes (non-uniform field), pair of square tipped electrodes (non-uniform field)	01	60000.00
											Disc insulator string	11KV Disc insulator string with guard	01	27000.00
											Resistor divider	100kV Resistor divider, accuracy: 1%, Voltage Range : 0 – 100kV, Type of Cooling : Oil Cooled, Ratio : 1000: 1, Surge Protection : Provided, Corona Ring : Provided to arrest corona at High Voltage, Meter : High Impedance, mounted on triangular power coated mobile base with grounding bolt facility	01	50000.00
											Oil testing set	0-100kV OIL TEST KIT, Input Voltage : 0-230VAC, Output Voltage : 0-100kV (30-0-30), Rating of Transformer : 1KVA, Facility for zero & Door-interlock, Memory switch should be provided, Version : Motorised, Rate of rise of voltage : 1.5 – 2kV /sec. Over voltage cut-off should be provided, manufactured as per IS : 335 and IS : 6792, Suitable for mineral, ester and silicon oils,	01	50000.00
												Trip detection circuit with direct measurement of voltage and current		

TEQIP-II/CG/CG1G02/36	EE-PSPS LAB -I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	260000.00	Shopping	Static % Differential Relay Testing kit	1A or 5A, % Setting Range: 10% - 50% of I in steps of 10%, 2 biased inputs, Meters:, Two nos of 3 1/2 digit ammeter, Variable current source: Two numbers, One no. of automatic relay tripping time measurement circuit, One no. of micro controller based Time Interval Meter, LED display, One no of ON push button, One no. of Off /rest push button, Potential free Outputs NO & NC, Time Interval meter Internal / External able, Built in liary power source, Provision for RELAY 'NO' / 'NC' connection facility	01	70000.00
											Bucholtz Relay Study Trainar	Bucholtz relay, Oil test setup, One number of mechanical type, oil and gas operated relay (bucholtz relay) one number of 'NO' contact for Alarm, one number of 'NC' contact for TRIP, One number of transformer is used to create the fault, One number of conservator used to fill the oil to the buchlotz relay, One number of reservoir to store the transformer oil, One foot pump used to create the bubbles in the buchlotz relay	01	70000.00
											Electro-Mechanical Over Current Relay test kit	C.T. SEC: 1A OR 5A, NON- DIRECTIONAL, PLUG SETTING: 50% - 200%, OUTPUT : 8A , relay 1NO, Characteristics : 3sec-10times, iliary supply : Self powered / powered , Construction : Draw out	01	60000.00
											Electro-Mechanical Over Voltage relay (IDMT) test kit	P.T. SEC : 110VAC, Over voltage relay, PLUG SETTING: 110 - 170% of rated voltage adjustable in steps of 10%, PLUG SETTING: 50% - 200%, time multiplier setting: 0.1 - 1 , output : 8A relay 1NO, Characteristics : 0-7sec at 1.5 times ±7.5%, iliary supply : Self powered / powered , Construction : Draw out, Accuracy Pick-up: Error class Index E 5.0 as per BS 142; 5.0 as per IS 3231 at the voltage setting and pick-up variation of 7% (max.) between 40 and 70 Hz, Insulation The relay meets the requirements of IS 3231/IEC 255-5 Series C - 2 kV for 1 minute	01	60000.00
TEQIP-II/CG/CG1G02/37	CIV-Geotech lab-IV	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	C.B.R. Apparatus	Capacity-50KN, Motorized load frame having single rate of strain of 1.25mm/minute, Mould 3 sets =150mm inner dia and	02	100000.00
												175mm height with base plate and collar, proving ring- 50ka capacity, Surcharge weight-2.5&5.0kg annular, Compaction Rammer -2.6Kg&4.8Kg		

											Swell Pressure Test Apparatus	Load frame 50KN capacity ,Mould 100ID andED107.3mm and1000cm3 volume, proving ring 2.5KNcapacity.Soaking tank 25cm dia and 20cm high	01	200000.00
TEQIP-II/CG/CG1G02/38	EE-PSPS LAB –III	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	650000.00	Shopping	Transmission Line Simulation Study Unit 400Km .	Artificial Transmission line 1 phase, Bench Model, No. of Pi – section : 5, Operating Voltage: 55/110/220 Volts, Current rating: 4 Amps, Short circuit strength: 10 A, Link simulation through air cored inductor, Each pi-section of every 80Kms, Power Transformer (Generating Station End), Input Voltage : 110V, 1Ph, 50Hz, Output Voltage : 55/110/220/ volts, Current rating: 4A with tap changing switch for voltage regulation, Power Transformer (Receiving station End) Input Voltage : 55/110/220 volts 1Ph, 50Hz., Output Voltage : 220V, 3Ph, 50Hz, Current rating: 4A with tap changing switch for voltage regulation, Protection relays single element impedance relay, over current relay + earth fault + highest, Meters: 2Nos. of 3 Phase power analyzer DSP based provided, It will display all the electrical parameter like V, I, PF, Hz, KW, KVA, Kvar, KWH.etc., 1no power analyzer with open ended connection, Time interval meter provided for trip time measurement. 0.0001sec accuracy,	01	300000.00
											Feeder Protection Simulation Study Unit	Feeder under fault simulation through Air cored, indicator having minimum of 4 zone of protection, Input / Output transformer 3 phase , 415V/66-33-11 volts, Resistive loading kit / Lamp load for the simulator, Internationally approved Microcontroller based Over current Relay, 3 phase OC + EF Relay + HIGHSET, Non directional with programmable relay function Model - 4 nos. with RS 485 communication port, software to display the parameter in pc, Testing Panel – consists of necessary CT & PTs, Microcontroller based time interval meter, LED / LCD is	01	350000.00
												provided, 4nos., Digital Panel Meters for measurement using DSP based Microcontroller power analyzer and Digital ammeter & Voltmeter with their switches, Built in circuit breaker, illuminated pushbuttons		

TEQIP-II/CG/CG1G02/41	PM & MP	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	780000.00	Direct Contract	Photocopy machine	Digital Copier with Printer (Size A-3). Minimum coping cpm: 15/15, paper size A3/A3, RAM MB:16	08	45000.00
											Multimedia Projector	Multimedia projector with minimum 10% Zoom Ratio,Resolution: 1024x768xGA,ANSI Luman:4000), Ceiling mounting brackets above 2000 to 4000 lumens	07	60000.00
TEQIP-II/CG/CG1G02/42	IB & MP	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	690000.00	Direct Contract	Interactive Board	Intractive Board (min diagonal size mm: 1700, Resolution: SXGA, Aspect Ratio 5:4., Portable Interactive Pad, Size: 240 mm.	07	70000.00
											Multifunctional Printer	Minimum copying speed cpm 15/15, A4/A4 category, simplex Netwokt=yes	08	25000.00
TEQIP-II/CG/CG1G02/43	V Presenter	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	770000.00	Direct Contract	Visual Presenter	Desktop type, Resolution SXGA, Vedio frame 30, optical zoom 12x, Remote control	07	110000.00
TEQIP-II/CG/CG1G02/45	AC	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	865000.00	Shopping	Air conditionar	Split A/C, 2 tonn, 3 star,Compressor Type-Rotary,	20	35000.00
											Stablizer	for 2 tonn AC, 150 to 260 Volt single phase, 12 amp.	30	5500.00
TEQIP-II/CG/CG1G02/46	WC & WP	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	220000.00	Direct Contract	Drinking Water Cooler	Cooling capacity Ltrs/Hr: 40, Type: Storage, Storage capacity Ltrs: 80, Rate of Max Energy Consumption Watts: 575	10	22000.00
TEQIP-II/CG/CG1G02/47	Medical-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	325000.00	Shopping	Multi Channel ECG Recorder [Cardiart 6208]	Dim.-300X260X75mm; Weight:2.5kg,Display:320x240 pixels,Input Circuit:Floating type,Acquisition mode:12 leads simultaneously, A/D coverter:12bits,Measurement range: +-5mVpp,Time constant>3.2secs,Frequency response:0.05Hz-150Hz, Sensivity:2.5,5,10,20	01	60000.00
											(mm/mV),Safety Std.-IEC/CF,Recorder:Thermal printer,Paper speed:5-50 mm/sec.			

											Stress Test System[Treadmil-Test Machine]	Tread Mill:250V,15A: PC communication through serial port (RS-232),Dim:1970mm(L)x700mm(W),Walking area-1500mmx500mm,Belt speed-0.8 to 16 km per hour,Inclined range: 0 to 22 %, Patient weight upto=180kg, Data Acquisition: 400 samples/sec,12 lead acquisition, CMMR-90db@50Hz,Input Impedance>100 m ohms,Signal processing:ECG 200 samples/sec,QRS detection via single lead,Display: 1024x768 Resolution,ECG display speed 25mm/sec,Printing:A4,25mm/sec,Sensitivity:10mm/mvV, ECG acquisition via USB, ECG Dimension:170x106X22.5mm	01	240000.00
											Visual Electronic stethoscope	portable based on piezo sensor technology,amplify sound upto 32 times,16 steps programmable volume setting,real time record, display heart rate & ECG,Heart,Lung,Heart&Lung pulse,Recharge port USB,Alarm function for SPO2 & PR.	01	25000.00
TEQIP-II/CG/CG1G02/48	Chemistry Lab-I	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	257000.00	Shopping	Automatic Carl Fischer Titrator	Calibrated 25 ml Auto Buratte, Auto drain	02	37000.00
											Microcontroller based Trtrator	Auto drain of Reaction Vessel	02	15000.00
											Ultrasonic Cleaner	LCD Digital	02	15000.00
											Boy's Gas calorimeter	Fitted with Gas Chamber	01	59000.00
											Bomb Calorimeter	China crucible , Digital Display.	02	32000.00
TEQIP-II/CG/CG1G02/49	Chemistry lab-III	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	431000.00	Shopping	Gas Chromtography	Electronic Disply	02	143000.00
											N.M.R. Spectroscopy	High resolution magnetic force	01	145000.00
TEQIP-II/CG/CG1G02/50	Furniture-I	Not available	Goods	Furniture	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	860000.00	Shopping	Executive Desk [Staff]	Width=1650,Height=740,Depth=900	10	86000.00
TEQIP-II/CG/CG1G02/51	Furniture-2	Not available	Goods	Furniture	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	800000.00	Shopping	Conference Chair With Writing Tablet, Color: Charcoal	[Dimensions in mm] Seat Width 460 Seat Depth 420 Seat Height 440 Back Height 340 Overall Height 840	200	4000.00
TEQIP-II/CG/CG1G02/52	Furniture-3	Not available	Goods	Furniture	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	312000.00	Shopping	Office Chair ,Cushioned seat and back with arm	Width= 53.5 CM, Height= 82 CM, Depth= 59.5 CMDepth= 59.5 CM, Seat Height= 46 CM	60	3700.00

											Magnetic Notice Board	Lockable aluminium display case , • Hinged door with door stays, Suitable for internal or external use, Standard Key Lock, Magnetic Surface, Size 36"H x 30"W	20	4500.00
TEQIP-II/CG/CG1G02/53	ws-1	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	312600.00	Shopping	Grinding Machine (bench grinder)	Size of grind. Wheel-150x20x12.7mm Rated input power-250w Rated volt- 220/230v Rated frequency- 50/60hz	05	10000.00
											Digital Verniar Height Gauge	Range: 0.41 to 2 inch 24" With D.R.O .0001	04	7650.00
											Gas Welding Machine	sigle phase Frequency (hz) 50/60 Rated input(v) 1 phase AC 230 ± 15% Rated input current (A) 32.5 Duty cycle(%) 60 Weight 34(kg)	02	18000.00
											Gas Welding Machine 1	sigle phase Frequency (hz) 50/60 Rated input(v) 1 phase AC 220 ± 15% Rated input current (A) 37.5 Duty cycle(%) 60 Weight 35(kg)	02	32000.00
											Gas Welding Machine 2	Frequency (hz) 50/60 Rated input(v) 1 phase AC 220 ± 15% Rated input current (A) 49.3 Output current (A) 50-250 Duty cycle(%) 60 Weight 33(kg)	02	46000.00
											Sand Mixer machine	Three part pumping system. Dual resigins level. powder feeder for black iron oxide with 5 cubic foot hopper. High speed, zero retention mixer head.	02	20000.00
TEQIP-II/CG/CG1G02/54	WS-2	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	650000.00	Shopping	Master Gear Hobbing Machine	Maximum module/ D.P cut Maximum dia. Of spur - 350mm	01	650000.00
												Maximum width cut of spur gear- 250mm Maximum width cut of helical gear – 120mm Helix angle 15- 200 mm. Helix angle 30- 175 mm. Helix angle 45- 150 mm. Rapid motor- 0.36 KW Main drive motor- 1.1 KW Weight- 1500kg.(approx.)		

TEQIP-II/CG/CG1G02/55	WS-3	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	740000.00	Shopping	Master lathe	Size – 4 1/2' Length of bed in mm – 1370 mm. Height of centre – 167 mm. Admit between centres- 600mm. Width of bed – 241 mm. Spindle bore – 40mm. Lead screw – 4 TPI.	02	120000.00
											Heavy duty Shaping Machine	Model- MTT-45 Max. stroke- 500mm Max. distance table to ram- 385 mm Ram speed - 3 nos. Apprx. Weight of the M/c. – 1200kgs. Main drive motor- 2HP	02	250000.00
TEQIP-II/CG/CG1G02/56	WS-4	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	708000.00	Shopping	Master slotting machine.	Size – 6" Stroke- 150 mm Rotary table-275mm Longitudinal movement- 200mm Cross movement- 200 Cutting speed of ram per min- 64-90	01	280000.00
											Horizontal milling machine.	Model- XL 7550 CW. Table size- 800x 240(mm) T-Slot .(5x15x28)mm Longitudinal traverse- 350mm Cross traverse- 230 mm. Spindle motor- 2 hp Feed motor- 370 mm. Height- 1500mm.	01	275000.00
											Electric planer	Width of cutter: 82mm Rated voltage: 110/240V Frequency: 50/60Hz	03	51000.00

TEQIP-II/CG/CG1G02/57	WS-5	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	190900.00	Shopping	Benchvice	5x5"	10	2500.00
											Pipe Vice Hinged	4½"	05	2000.00
											Forged B.P & C.P Hammer	300gm	10	90.00
											Electric planer	Width of cutter: 82mm Rated voltage: 110/240V Frequency: 50/60Hz	03	51000.00
											Hacksaw Frame	Size 10-12"	20	100.00
TEQIP-II/CG/CG1G02/58	Lib books-I	More requiremnt	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	Books I & II Sem	library books	1600	250.00
TEQIP-II/CG/CG1G02/59	Lib books-II	More requirement	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	600000.00	Shopping	Electronics Books	books	400	250.00
											Electrical Books	books	400	250.00
											IT Books	books	400	250.00
											Civil Books	books	400	250.00
											Mechanical Books	books	400	250.00
											Mining Books	books	400	250.00
TEQIP-II/CG/CG1G02/60	Library cum management Information System	Not available	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	Yes	No	03/07/2012	4000000.00	Direct Contract	Library and Campus Automation Management Software Module	Web based Module, Back End Data base- Oracle or SQL Server Based, Network and Data base security, Front End-Java or ASP DOTNET or PHP Programming.	01	4000000.00
TEQIP-II/CG/CG1G02/61	Eng lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	189500.00	Shopping	Power amplifier for external speaker	RMS Power output-1000Watts, 10%THD/1350W RMS MAX, Input - 8 xmic 0.8mv/4.7kohm, 3 x100mv/50kohm, 1 x 250mv/50kohm, 1 xline1v/50kohm, Frequency	02	37000.00
												15-1500Hz±3db, tone controls bass±10db at 100 hz,trible ±10db at 100 Output - 2, 4ohm, 70V and 100V		

											Power Amplifier for outgoing and incoming sound to connect in audio signal for computer/DVD/LCD Projector and external microphone with modified circuit.	RMS Power output-160Watts. Input - 5 mic,2 . Output - 4,8 ohms &100v. Frequency - 50Hz to 500 KHz. Channel - Mono.	01	8500.00
											Digital master console	Unit for 30 Students, This is a master equipment with the instructor can control the operation of the language laboratory system.It consists :- A) Microprocessor based daling/switching panel B) Head phone with microphone. C) Independent Digital Display for request registering from each student. D) All call switch. E) Group Switch.	01	40000.00
											Desktop Microphone	Uni Directional Gooseneck Microphone. Imp. Low, Sen. 0.5 mv/pa, Frequency Response 50Hz - 15 Khz.	02	1500.00
											VHF Wireless Microphone.	Audio output-balanced 0-50mV, Freq Resp-40-15000Hz, Antenna-Telescope, power- AC220-240V for AC adoptor, Microphone-RF output power-10mW(max), Modulated mode-FM	04	2500.00
											2 way Compact classroom speaker	100V power tap 6W ,3W and 1.5W.	04	3000.00
											Audio Video Cable 15 mtrs.	Compatible USB or RS232 port in Computer and Interactive board or other computing device	01	1500.00
											VGA Cable 15 mtrs	Compatible USB or RS232 port in Computer and Interactive board or other computing device	01	1500.00
											Networking	Networking with special separation wire to reduce the noise, 2 core shielded wire for microphone, 14/36 Twin parallel speaker wire for headphone, 14/36 twin parallel wire for low voltage power supply and 14/36 twin separate wires for open sound columns on wall.	01	10000.00
											Sound Mixing Console	Sterio atleast 9 channel,	01	17000.00
											PA microphone	with ring LED indication, Freq resp-50-16000Hz, Sensivity-4mV/Pa, impadence- 1000 ohm, overall length- 460mm(18") power 3V-9V DC	06	2000.00
TEQIP-II/CG/CG1G02/62	Eng lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	745000.00	Shopping	Student Unit	This is apiece of equipment with which the student can hear and talk to teacher.It consists:- A) Soft	30	20000.00
												Touch call request switch. B) Head phone with high sensitive elect rate condensor Gooseneck microphone -2 nos. C) Functional indicator.		

											Speaker system	700W RMS,Freq Resp- 40-20000Hz, imp-4 ohm, SPL-103db,	02	25000.00
											Microphone stand	Floor stand, height-920-1500mm, Base-Dia-230mm,	04	1000.00
											Speaker stand	3.5 feet-6 feet, 40.0Kg, 4.7kg	04	2000.00
											Stand for microphone	10 mtrs, twin core shielded low noise cable with XLR connector & 1/4" phone plug, Cell housing for 2x1.5V pencil cells, on/off switch. Low noise.	06	1000.00
											Mixer	Mic input-2kohm, 62db, Line input-20kohm balanced/42db, Tone Control-Bass-±12db at 100Hz,Freq Resp-30Hz-20Khz, Line output-Lo-10dbm/+2dbm (200mV/1V)	01	10000.00
											Collar VHF Wireless Microphone.	Audio output-balanced 0-50mV, Freq Resp-40-15000Hz, Antenna-Telescope, power- AC220-240V for AC adaptor, Microphone-RF output power-10mW(max), Modulated mode-FM	02	2500.00
											Woofer Speaker	650W RMS,Freq Resp- 32-250Hz, imp-8 ohm,SPL-99db,	02	25000.00
											Wall Speaker	30W RMS,Freq Resp- 80-20000Hz, imp-8 ohm,	04	3000.00
TEQIP-II/CG/CG1G02/63	IT Laptop and desktop	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	2625000.00	NCB	Desktop	i3, 500GB HD, 2GB RAM, Pre loded OS Windows7, 500GB HDD.	60	30000.00
											Laptop	i7,500HD, 4GB RAM, 2GB Graphics	15	55000.00
TEQIP-II/CG/CG1G02/65	Mech EM lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	250260.00	Shopping	UNIVERSAL FORCE TABLE	Comprising of a equal circular 40 cm, dia aluminum disc, graduated into 360 divisions (degree) and five sets of iron nickelled slotted weights, each set containing nine weights and one hanger of 50 gm	02	11700.00
											PARALELOGRAM LAW OF FORCES	Wooden board of 50x60 cm with wall brackets, two frictionless clamp pulleys, and three set of slotted weights of iron nickelled.	02	1430.00
											BELL CRANK LEVER (with Weight)	teak wooden right angled lever with fulcrum at the angle, the horizontal arm is of 75 cm and vertical arm is of 20 cm, lever arm is with scale and grooved at every 5 cm complete with one sliding weight of 1 Kg.	02	3000.00
											SIMPLY SUPPORTED BEAM	Beam of span 1.0 m consisting of two compression thrust type 10 Kg tubular spring balances fixed on wooden polished board, a wooden bar with steel back plate.	02	1700.00

											FRICTION SLIDE APPARATUS	It consists of a 15x60 cm wooden board a with glass top hinged on an iron base to which a sector with graduated arc and vertical scale is provided. The plane may be clamped at any angle.	02	1800.00
											VALVE TIMING DIAGRAM	With carburetor, spark plug, valve mechanism etc, complete with all salient parts sectioned for study of the various components and their functions and to plot valve-timing diagram on the single cylinder four-stroke petrol engine.	01	56000.00
											Single Cylinder Air Cooled 2 stroke Petrol Engine Test Rig with Mechanical Brake	Single Cylinder Air Cooled 2 stroke Petrol Engine of 2.5hp @ 2800 RPM	01	155000.00
TEQIP-II/CG/CG1G02/66	Mech ICE Lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	428000.00	Shopping	Single Cylinder Water Cooled 4 stroke Slow speed Diesel Engine Test Rig	Single Cylinder Water Cooled 4 stroke Slow speed Diesel Engine of 6hp @650 RPM	01	176000.00
											Single Cylinder Single stage Air Compressor	Single Cylinder Single stage Air Compressor with a displacement capacity of 150 RPM and to work against a max pressure of 8kg/cm ²	01	135000.00
											CLOSED CIRCUIT CALIBRATON TEST RIG FOR MEASURING DISCHARGE THROUGH ROTAMETER	Two Rota meters of size 20mm & 25mm, Measuring Tank for M.S. Powder Coating/M.S.FRP Lining/S.S. Unit Measuring Tank of suitable size provided with overflow arrangement and a drain Valve, Sump Tank for M.S. Powder Coating /MS.FRP Lining/SS. Unit of suitable size for suitable to store sufficient water, Switch & Starter for Single phase main switch.	01	62000.00
											WATER METER TEST RIG	Pump set of 0.5 HP, 1Ph, Sump tank for 1000 x 300 x 400 mm, Collecting Tank for 300 x 300 x 400 mm, Flow meter of turbine type flow meter 1" x 1" Piezometer of graduated glass tube (graduation in cm)	01	55000.00
TEQIP-II/CG/CG1G02/67	Mech FM Lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	244000.00	Shopping	PITOT TUBE APPARATUS	Sump Tank 1.0x0.3x0.4m (LBH), Collecting Tank of 0.3 x 0.3 x 0.4m Pump 0.5 HP Pump set	01	60000.00
											Emissivity measurement Apparatus	a. Diameter :150 b. Material :Brass	01	42000.00
												c. Heater :250W		

											Heat Transfer lab Equipments in Natural Convection	S.S. Cylindrical Tube a. Diameter :40mm b. Length :400/500mm	01	44000.00
											Heat Transfer lab Equipments in Forced Convection	Blower a. Capacity :350 watts/1.5 cumts/m Test Section a. Diameter :40mm b. Length :300mm Cooling Water Chamber a. Diameter :50 mm b. Length :300mm (Approx.)	01	48000.00
											Thermal Conductivity by Guarded Hot Plate	a. Main Heater Plate : b. Diameter : 90mm c. Material : Brass d. Ring Heater Diameter : 100ID/150 OD mm e. Material : MICA f. Ring Heater Plate g. Diameter : 100 ID/150 mm OD h. Material : Brass i. Asbestos plate :150OD/12 mm thick j. Cooling jacket k. Diameter :150OD l. Material : Brass m. Size :123mm thick	01	50000.00
TEQIP-II/CG/CG1G02/68	Mech Fluid Lab-IV	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	321000.00	Shopping	Thermal Conductivity of metal rod	Specimen Shell: 200mm dia, 5mm thick, 1m long MS pipe Tubes: ½" dia, 1020mm long Copper or seamless MS tubes	01	46000.00
											Strain Gauge Transducer	Piezo resistive transducer for strain measurement. Micrometer 0-20mm (Accuracy 0.01mm) for strain generation	01	42000.00
											Displacement Sensing Transducer	Micrometer 0-20mm (Accuracy0.01mm) precision phase sensitive rectifier Measurement frequency of 1 KHz sine	01	89000.00
											Speed Sensing Transducer	12V DC motor with speed varying from 0-4000rpm & rotating Slotted wheel having 8 slots,	01	98000.00
											Temperature Sensing Transducer	Instrumentation Amplifier to amplify thermocouple signals Built in heat bar/mini oven driven by Power Amplifier of sufficient wattage.	01	46000.00
												Temp. ion upto 95 degree C in 5 ranges		

											IMPACT TESTING MACHINE	Pendulum angle 140°- 85° 21, Impact energy 30 kgm (300J) - 16.4kgm (164J), Distance of axis of hammer rotation and centre of test piece/pint of test piece hit by hammer = 185mm,	01	92000.00
											ROCKWELL HARDNESS TESTER	Two additional weight of 187.5 kg and 250kg for Brinell tests on this machine small pin having dia 2mm can be tested as plunger is guided with a set of six bearings.	01	74000.00
											BRINELL HARDNESS TESTER	Max load (kgf) -3000, Load range (kgf) In stage of- 250 kgf, Initial Load range (kgf) -250 Max., test height (mm) -410 ,Depth of throat (mm) -200, Size of base (mm)- 670 x 370, Machine height (mm)- 1127 mm, Nett. weight (Approx. Kg)- 450 kg	01	74000.00
TEQIP-II/CG/CG1G02/72	Mech Mechanics Lab	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	330000.00	Shopping	UNIVERSAL SPRING TESTING MACHINE	Capacity : Upto 3000 kN, Minimum Strain Rate 0.01 mm per Minute to 100 mm/Minute	01	115000.00
											FATIGUE TESTING MACHINE	Maximum bending moment kg cm 200, Gripping dia of specimen mm 12	01	172000.00
											CAM & FOLLOWER MODEL WITH RECIPROCATING KNIFE EDGE FOLLOWER	Model of suitable size explaining reciprocating knife edge follower motion	02	16000.00
											CAM & FOLLOWER MODEL WITH TRANSLATING FOLLOWER	Model of suitable size explaining translating follower motion	01	11000.00
TEQIP-II/CG/CG1G02/73	CCTV System	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	360000.00	Shopping	CCTV Camera System	DVR-4TB, Power Supply, Connector, Adoptor, BNC Cable, Whether Proof CC Camra	09	40000.00
TEQIP-II/CG/CG1G02/74	Generter set	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	325000.00	Direct Contract	Diesel Generating Sets	Manual Control Panel. No.of Phases: Three,Type of Engine Cooling: Water,Rated Voltage(in Volts): 415,Rated Capacity(in KVA): 20	01	325000.00
TEQIP-II/CG/CG1G02/75	EE-MC LAB-I	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	181000.00	Shopping	Auto transformer	Portable with enclosure, air cooled, continuously variable voltage auto transformer, 415V, 15A, 3F-4 wire, output voltage 0-470V	01	46000.00
											3-F Auto transformer	Portable with enclosure, air cooled, continuously variable voltage auto transformer, 415V, 15A, 3F-4 wire, output voltage 0-470V	05	27000.00

TEQIP-II/CG/CG1G02/76	EE-AE LAB-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	520000.00	Shopping	DC Regulated Power Supply	2x0-30V/3A, Dual Tracking Switchable, 3 digit seven segment LED for voltage and current display, Mains Supply: 230VAC, 50 Hz	30	13000.00
											Function Generator	Sine, square, Triangle, \pm Ramp, \pm Pulse, Invert Ramp, Invert Pulse, TTL DC Free Running with or without DC offset, 0.3Hz-3MHz, digital LCD display for frequency & amplitude read out, Auto-ranging frequency counter	10	13000.00
TEQIP-II/CG/CG1G02/77	EE-MC LAB-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	53900.00	Shopping	Study of 3-F to 2-F Scott connection	415V AC at 50 Hz, Three Phase 4 Pole MCB, Single Phase Transformer, two (one main and one teaser), two Digital Voltmeters A.C. : 0-200V and 0-1000V, digital Ammeter A.C : 0-2Amp, mains ON/OFF switch	01	11900.00
											Measurement of Power & P.F of L-R kit	Mains transformer having tapings at 10V, 20V, 30V and 40V \pm 10% AC at 500mA provided on terminals, A.C. Ammeter to read 0-500mA, Three A.C. Voltmeters to read 0-50V A.C., Wire-wound resistor 100W, 20W, Inductor 200mH at 500mA rated current, Mains Supply 230V \pm 10% at 50Hz A.C.	04	10500.00
TEQIP-II/CG/CG1G02/78	EE-MC LAB-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	291000.00	Shopping	Three Phase Transformer	Mains Supply : 415 V \pm 10%, 50Hz, Three Phase, six terminals on primary and six terminals on secondary side, Power Rating : 1KVA, Primary Voltage : 415V, Secondary Voltage : 230V, Rated Current : 4Amp	01	25000.00
											Three Phase Synchronous Machine coupled with DC shunt motor	Three Phase, 415 V \pm 10%, 50 Hz, 2 Nos. machines, Both the Machines are flexibly coupled and mounted on a M.S. channel base, Three Phase Synchronous Motor with four output terminals for star connected stator winding and two output terminals for field winding, Type : Salient Pole Motor, Current type : AC, Rating : 3 HP, Excitation Voltage : 120 V, Voltage rating : 415 V \pm 10%, DC Machine, Type : DC Shunt, Rating : 2 HP, Voltage Rating : 200 V, RPM : 1500 (no load)	02	125000.00
											Single Phase Multi Function Meter	7 Electrical Parameters on display: Voltage, Current, Active Power, Apparent Power, Reactive Power, Frequency, Power factor, Microcontroller based Accurate & Reliable	02	8000.00
												design, CT is used as current transducer, 4 - Digit Seven Segment Display		

TEQIP-II/CG/CG1G02/80	EE-AE LAB-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	28700.00	Shopping	To design a monostable multivibrator using IC 555 timer	+10V D.C. at 100mA, IC regulated power supply internally connected, 1 KHz Square Wave Generator, IC 555, Adequate no of other electronic components, Mains ON/OFF switch, Fuse and Jewel light, Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre, Mains Supply 230V ±10% at 50Hz A.C.	01	4200.00
											Class A, B, C & AB amplifire	± 12V D.C. at 100mA IC regulated power supply internally connected, NPN Transistor, Built in 1KHz sine wave osc. having output 1.5Vpp, Two potentiometers to control +Ve & -Ve voltages, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	02	3000.00
											Measurement of parameter of an OP-AMP	± 12V D.C. at 100mA, IC regulated power supply, OP-AMP IC, DPM 20 V, DPM 20 mA, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	01	7500.00
											OP-AMP differentiator & integrator	± 15V D.C. at 100mA, IC regulated power supply, OP-AMP IC, Square Wave Generator of 1 KHz, using IC, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	02	4500.00
											Cascode amplifier	+12 V DC at 50 mA, IC regulated power supply internally connected, Two NPN transistors, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	01	2000.00
TEQIP-II/CG/CG1G02/81	EE-PE LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	95700.00	Shopping	Application of UJT as relaxation oscillator	An isolation transformer 230V A.C. at 100mA, 20V D.C. at 100mA, regulated power supply internally connected, Bridge rectifier and zener regulator, Potentiometer for frequency control, Two band switches for ing different value of resistance and capacitance, Pulse transformer 1:1:1, UJT under experiment, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	6000.00
											RC triggering scheme of SCR	35V A.C. at 100mA A.C. Power Supply, Bridge rectifier for making D.C. voltage, Two Silicon controlled rectifier (SCR), Uni junction Transistor, Pulse transformer 1:1, Two potentiometer for varying load, Two potentiometer for	01	6000.00
												controlling SCR and UJT firing angle, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.		

											Voltage commutation	±12V D.C. at 100mA and 5V D.C. at 100mA IC regulated power supply internally connected, D.C. voltage, UJT as relaxation oscillator, Op-Amp. IC, Timer IC, Hex Inverter Gate IC, Two SCR's, Two pulse transformer 1:1:1, Two NPN transistor, Two SPST switch, Push-To-On switch, Freewheeling diode, Inductors, Bulb 12V, 6W, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	4800.00
											Current commutation	±12V D.C. at 100mA and 5V D.C. at 100mA IC regulated power supply internally connected, D.C. voltage, UJT as relaxation oscillator, Op-Amp. IC, Timer IC, Hex Inverter Gate IC, Two SCR's, Two pulse transformer 1:1:1, Two NPN transformer, Inductors, Two potentiometer for frequency voltage ADJ, Mains Supply 230V ±10% at 50Hz A.C.	01	6600.00
											Diac characteristic	0-50V D.C. at 50mA, regulated power supply, 45V A.C. at 50mA, unregulated power supply, D.C. Voltmeter to read 0-50V D.C., D.C. Ammeter with ranges of 200mA and 50mA, DIAC, Potentiometer and adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	01	6000.00
											Triac characteristic	0-70V D.C. at 100mA and 0-3V D.C. at 30 mA, regulated power supply, 55 Volt at 100mA, fixed A.C. Supply, 7 Volt at 30mA, D.C. Ammeter with ranges of 10mA and 100mA, D.C. ammeter 0-30mA, D.C. Voltmeter with ranges of 5V and 100V, TRIAC, Three Potentiometers, Reset switch, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C. at 50Hz A.C. Mains	01	7500.00
											3-F full control rectifier	Three pole power contractors with AC coil complete with Push-to-ON switch, Four pole Miniature Circuit Breaker (MCB), Three separate identical cards consisting of Zero Crossing Detector, Integrator, Comparator and Pulse Generator one for each phase, for controlling the triggering angles of the positive group of three thyristors. Another card for controlling the triggering angles of the negative group of three thyristors, Firing angle control potentiometer, Three 415 : 6 V Transformers AC supply for Triggering, Three 415 : 50 V at 1 Amp Transformer for rectification, ± 12V at 500mA and 5V at 500mA, IC regulated power supply for Triggering Circuits, Six nos. Driver Circuits with Pulse	01	24000.00
												Transformers, High Frequency Gated Dual Gate Firing 6 nos, R and L load with Load voltage divider, Two 3½ digital panel meter for measurement of voltage and current, One freewheel diode, Unearthed mains sockets for CRO, Mains Supply 230V ±10% at 50Hz A.C.		

											Half Controlled 3-F full wave rectifier	Three Phase line commuted half-controlled thyristorized bridge converter, Three pole power contractor with AC coil complete with Push-to-ON switch, Four pole MCB, Three separate identical cards consisting of Zero Crossing Detector, Integrator, Comparator and Pulse Generator one for each phase, for controlling the triggering angles of the positive group of three thyristors, Firing angle control potentiometer, Three 415 : 6V transformers AC supply for Triggering, Three 415 : 50V at 1 Amp transformers for rectifications, ± 12V & +5V DC at 500mA, IC Regulator Power Supply for Triggering Circuits, Three nos. Driver Circuits with Pulse Transformers, High Frequency Gated Dual Gate Firing 3 nos., R and L load with Load voltage divider, Two 3½ digital panel meter (DPM) for measurement of voltage and current, One freewheel diode, Unearthed mains sockets for CRO. Adequate no. of other Electronic Components, The jewel light in Red, Blue & Yellow colour, Mains Supply 230V ±10% at 50Hz A.C.	01	23000.00
											Fan regulator using diac & triac with power supply	Isolation Transformer 230V A.C., Power 70 watt, Diac, Triac, Potentiometer to control the speed of Motor / Fan., A universal motor of 1/12 H.P, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	6000.00
											Light Dimmer using diac & triac with power supply	An Isolation Transformer having output 230V AC at 200mA, Triac, Diac, Lamp load, Potentiometer to control intensity of Lamp, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	5800.00
TEQIP-II/CG/CG1G02/82	EE-PE LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	73000.00	Shopping	Bedford and Parallel Inverter	Triangular comparator circuit, Variable frequency and PWM, Frequency - 30 Hz to 900 Hz, SCR assembly : 4 SCRs, 400 V/2 A, Pulse transformer 1:1:1, Mains Supply : 220V, 50 Hz	01	10000.00
											Single Phase Bridge Inverter	Ramp Comparator Method, SCR Assembly : SCR 400V/2A, DC Power Supply : +12V, -12V, +5V; 0.5A, Power Supply : 220V, 50 Hz	01	13500.00
											MOSFET, IGBT, Transistor & SCR based Step Down Chopper	Triangular Comparator Circuit, Frequency Variation : 27 Hz to 5 KHz (approx.), PWM Variation : 0-90%, DC Geared	01	12000.00
												Motor : 24V/ 0.5A, 100 RPM, MOSFET 55V, 49A, IGBT 600V, 10A, Transistor 100V, 5A, SCR Assembly : SCR 600 V, 16A, DC Power Supply (SMPS) : ± 12V; 0.5A, 24V; 1A, Power Supply : 220V, 50 Hz		

TEQIP-II/CG/CG1G02/84	EE-SSD LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	77800.00	Shopping	Diode & Zener diode characteristics	0-10V D.C. at 10mA, continuously variable regulated Power Supply with low ripple & hum and integral current limiting resistor, D.C. Voltmeter with switch able ranges of 1V and 10V, D.C. Micro-ammeter with switch able ranges of 50 mA and 10mA, Mains Supply 230V ±10% at 50Hz A.C.	02	6300.00
											Comparative study of CE CB & CC Amplifier	± 9V D.C. at 100mA, IC Regulated Power Supply internally connected, All the three circuits i.e. CE, CB and CC are built separately, Adequate no. of other electronic components, Sine Wave Signal Generator of 1KHz with variable level, low distortion based on IC, Mains Supply 230V ±10% at 50Hz A.C.	02	3500.00
											Transistor characteristics	Two 0-10V D.C. at 200mA, continuously variable Power Supplies for Base Emitter & Collector Emitter junctions, Two D.C. Ammeters with ranges of 200 mA & 10mA, . Two D.C. Voltmeters with ranges of 1V and 10V, Two silicon (NPN & PNP) transistors and two Germanium (NPN & PNP) transistors, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	02	12800.00
											MOSFET characteristics	0-15V D.C. at 50mA, variable regulated Power Supply, 0-4V D.C. at 10mA, variable regulated Power Supply, 0-1V D.C. at 10mA, variable regulated Power Supply, D.C. Voltmeter with ranges of 1V and 15V, D.C. Milli-ammeter to read 0-30mA, MOSFET, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	02	7500.00
											FET characteristics	0 to 20V D.C. at 50mA, variable Power Supply, 0 to 12V D.C. at 50mA, variable Power Supply, Two D.C. Voltmeters to read 0-20V, D.C. Milliammeter, to read 0-20mA, Field Effect Transistor, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	02	8800.00
TEQIP-II/CG/CG1G02/85	EE-EI LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	53000.00	Shopping	Study of LVDT	Measurement Range : 20 mm (±10 mm), Excitation Frequency : 4 KHz (approximately), Excitation Voltage : 4 V (approximately) PP Sensitivity : 10 mV DC/ mm, Linear Range : Full Scale, Signal conditioner output : 0.1 V DC or Maximum Displacement, 3½ Digit LED with Polarity Indicator, Micrometer Scale : 25 mm Micrometer Least count: 0.01 mm, Test points: 8, Mains Supply : 230 V ±10 %, 50 Hz,	01	13000.00
											Strain Gauge Trainer	Strain Gauge (350W) : 4 nos., Gauge factor : 2.1, Maximum weight : 500 gm, Cantilever material : Stainless Steel, Cantilever width : 2.5 cm, Cantilever thickness : 0.16 cm, Cantilever length : 20 cm, Bridge Voltage : +8 V DC, Bridge configuration : Full Bridge, Display : 3½ Digit LED Test points: 8 nos., Power Supply: 230 V ±10 %, 50 Hz, Standard Weights	01	13000.00

											Pressure Transducer Explorer	Pressure Transducer : 0 to 100 psi, Differential input, Pressure Gauge : 0 to 100 psi, Pressure Vessel : 0 to 100 psi, Safety Valve : 0 to 100 psi Hoses : 1.5 m, Foot Pump : 0 to 150 psi, V-I Specification : 0 to 5 VDC input, 4 to 20 mA Output, Buzzer Indicator : 5 V DC, LED Indicator : 5 V DC, Digital Voltmeter : 0 to 10 V, Test points : 18, Power Supply : 220V, 50 Hz	01	27000.00
TEQIP-II/CG/CG1G02/86	EE-EI LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	14200.00	Shopping	To demonstrate the operation of D/A converter	+5V D.C. at 250mA, IC regulated power supply internally connected, +10V D.C. at 50mA, power supply internally connected, -10V D.C. at 50mA, power supply internally connected, D.C. Voltmeter to read 0-5V, Four, D-type Flip-Flops, Four Level Amplifiers, Continuous monitoring of analog signals on a voltmeter, Four switches for giving binary logic input states, Four LEDs for visual indication of binary logic input status, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	5000.00
											To demonstrate the operation of A/D converter	+ 5V D.C. at 250mA, IC regulated power supply internally connected, - 5V D.C. at 50mA, IC regulated power supply internally connected, + 10V D.C. at 50mA, IC regulated power supply internally connected, 0-15V D.C. at 50mA, continuously variable Power Supply, D.C. Voltmeter to read 0-15V, Voltage comparator, Quad 2-input NAND gate, Quad 2-input NOR gate, Quad 2-input AND gate, Dual 4-input AND gate, Quad 2-input EX-OR gate, Three, Hex Buffer/Driver, BCD-to-7 Segment Decoder/Driver, Dual J-K Flip-Flop, 4-Bit Binary Ripple Counter, Timer, Continuous monitoring of analog signals on a voltmeter and of digital signals on 7 segment display, Seven LEDs to display the state of various important points, Two seven segment displays for visual indication of output status, Provision for manual pulses as well as for internal clock, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	5600.00
											Measurement of temperature using photo transistor demonstration set-up	± 12V D.C. at 150mA, IC regulated power supply internally connected, + 12V A.C. at 50mA, Supply with light intensity control, 12V lamp with lamp holder., Photo Transistor, 12V D.C. relay 1 green & 1 red LED, Adequate no. of Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	3600.00

TEQIP-II/CG/CG1G02/90	EE-MP LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	158000.00	Shopping	Advanced 8085 Microprocessor Trainer	Operating Frequency : 6.144 MHz, ROM : 8 K, RAM : 8 K, Input : ASCII Keyboard, Display : 20 X 2 LCD, Mains supply : 230 V AC,50 Hz	10	15800.00
TEQIP-II/CG/CG1G02/91	EE-CS LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	21000.00	Shopping	PID Controller	Proportional Band : 5% to 55%, Integrator : 1 msec to 11 msec, ON/OFF controller : ON = 12 V, OFF = -12 V, Square Wave & Triangular Wave, Generator of 0 -156 Hz, Two Variable DC +6 V,+10 V, Power Supply : 220V, 50 Hz	02	10500.00
TEQIP-II/CG/CG1G02/92	EE-Network LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	98000.00	Shopping	Transient Analysis of RLC Circuit	transient response of a series RLC circuit with TTL for under damped, critically damped and over damped cases, Mains Supply : 230 V ±10%, 50 Hz	03	6000.00
											Transmission Line Training System	Mains Supply : 230 V ±10%, 50 Hz, Single Phase Variac, Input : 230 V, Output : 0-270 V, Current : 0-5 Amp, Display Measurement: Voltage : = 25 V, Current : = 0.2 A, Active Power : = 20 W = 2000 W, Reactive Power : = 20 VAR = 2000 VAR, Apparent Power : =20 VA = 2000 VA, Loads Resistor : 700 ?/ 100 W, Inductor : 800 mH/ 0.5A, Capacitor : 12.5 µF/ 450 V	01	80000.00
TEQIP-II/CG/CG1G02/93	EE-HV LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	50000.00	Shopping	5KV, AC/DC HV Tester	AC Output voltage/ DC output Voltage – 5 KV, Accuracy ±1%, Body protection function, fast discharge & Arc detection function, LCD display, RS232C, remote I/O, . Supply: 230VAC	01	50000.00
TEQIP-II/CG/CG1G02/94	EE-PSPS LAB –II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	231000.00	Shopping	Electro-Mechanical Under Voltage Relay (IDMT) test kit	P.T. SEC: 110VAC, Plug setting: 50 - 90% adjustable in five equal steps at 10%, TIME MULTIPLIER SETTING: 0.1 – 1, Under voltage relay, output: 0.5 second 7500VA with maximum of 30 amps. and 660 volts, ac or dc, Characteristics : 0 - 5.0 seconds at zero voltage, Time/voltage characteristic at time multiplier setting 1.0, Resetting voltage : 90% or more of the voltage setting, Construction : Draw out, Accuracy: The operating value conforms to error class index E 5.0 as per BS 142 and 5.0	01	58000.00
												as per IS 3231 at the voltage setting, The operating time at time multiplier setting 1.0 conforms to the time/ voltage characteristic subject to a tolerance of ±7.5% at zero voltage, The relay meets the requirements of IS 3231/IEC 255-5 Series C - 2 kV for 1 minute		

											Solid State Negative phase Sequence Current Relay test kit(DMT)	C.T. SEC : 1A OR 5A, Negative Phase sequence current I2s = 10% or 20% or 30%, DMT: 3, 6 & 9 sec. Negative Seq. Relay, output : 0.5 second 7500VA with maximum of 30 amps. and 660 volts, ac or dc, Resetting voltage : 90% or more of the voltage setting, Construction : Draw out, Reference conditions: Ambient temperature: 27 C ±2 C, Frequency: 50 Hz. -0.5%, Iliary voltage: Rated value, Accuracy under reference conditions: Pick-up error: ±10%, Time error at all settings: ±10%C.T. SEC : 1A OR 5A, Negative Phase sequence current I2s = 10% or 20% or 30%, DMT: 3, 6.C.T. SEC : 1A OR 5A, Negative Phase sequence current I2s = 10% or 20% or 30%, DMT: 3, 6	01	57000.00
											Static Over Current Relay (IDMT) test kit	C.T.SEC: 1A OR 5A, non directional, Plug setting: 40-320% in 5% steps 50 – 200%, Time multiplier setting 0.1 – 1, output: 5A, 7500VA with maximum of 30 amps. and 660 volts, ac or dc, Characteristics : 3sec-10times, Iliary supply : Self powered, Accuracy Time multiplier: On settings 0.1 to 1, ± 2% or 30 ms whichever is greater, Ambient temperature range : 10 C to +55 C, Setting current : – 5%, Time characteristics : 5%, Frequency range : 47-52 Hz, Setting current : ± 1%, Operating time : ± 2% or 30 ms whichever is greater, DC Iliary voltage: Variations over the ranges of operative voltage. Setting current : – 1%, Operating time : – 2% or 30 ms whichever is greater	01	58000.00
											Solid State Under Voltage Relay (IDMT) test kit .	P.T. SEC : 110VAC, Plug setting: 30% - 90% adjustable in 11steps, Time multiplier setting : 0.07 – 1, output 7500VA	01	58000.00
												with maximum of 30 amps, and 660 volts, ac or dc, Characteristics : 0 - 5.0 seconds at zero voltage, Time/voltage characteristic at time multiplier setting 1.0, Iliary supply : powered Resetting voltage : 105% of set value, Pickup : 90% of set value, Accuracy the operating value conforms to error class index E 5.0 as per BS 142 and 5.0 as per IS 3231 at the voltage setting, The operating time at time multiplier setting 1.0 to a tolerance of ±7.5% at zero voltage, The relay meets the requirements of IS 3231/IEC 255-5 Series C - 2 kV for 1 minute		

TEQIP-II/CG/CG1G02/95	IT Cam	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	100000.00	Shopping	Digital SLR Cameras	Model Type: Single-lens reflex ,Resolution:36.3 megapixels	01	100000.00
TEQIP-II/CG/CG1G02/96	IT Firewall	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	490000.00	Shopping	INTERNET FIREWALL	250 Users,IEEE Draft 802.11n+ Up to 300Mbps2	01	422500.00
											ANTIVIRUS FOR FIREWALL 1 YEAR VAILIDTY	DFL-IEEE Draft 802.11n Wireless + Up to 300Mbps2	01	67500.00
TEQIP-II/CG/CG1G02/97	IT Fibre-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	420000.00	Shopping	INTRUSION DETECTION PREVENTION 1 YEAR VALIDITY	DFL-IEEE Draft 802.11n Wireless + Up to 300Mbps2	01	67500.00
											WEB CONTENT FILTERING 1 YEAR VALIDITY	DFL-IEEE Draft 802.11n Wireless + Up to 300Mbps2	01	67500.00
											SINGLE MODE Um Fiber Optic Cable	12 Core,8/25 cable single mode.	3000	95.00
TEQIP-II/CG/CG1G02/98	IT Fibre Switch-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	234000.00	Shopping	MANAGED L2 SWITCH	DGS-Layer-2 SNMP managed switch with IPv6 enabled hardened operating system.IPv6 feature support and advanced Layer-3 features including concurrent IPv4/IPv6 support, QoS and ACL filtering.atleast 2 stacking slots with 40Gbps bi-directional stacking bandwidth.support at least 4000 active VLAN groups, and 16000 MAC address table.remote administration and management support over HTTP, HTTPS, SSH and SNMP protocols.IPv6 feature support and advanced Layer-3 features including concurrent IPv4/IPv6 routing, BGP, QoS and ACL filtering.atleast 2 expansion slots for future 10GE upgradation.at least 2000 virtual layer-3 interfaces, 4000	06	39000.00
												active VLAN groups, and 16000 MAC address table.remote administration and management support over HTTP, HTTPS, SSH and SNMP protocols.		

TEQIP-II/CG/CG1G02/99	IT Rac	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	91500.00	Shopping	OFC TERMINATION	These OFC Termination Box is used in terminating the Optical Fibre Cable from the field and connecting it to the pigtails by splicing. The other end of the pigtail having the optical connector is terminated inside the Fibre Distribution Frame, Attenuation at 1550nm: £ 0.25dB/KM	30	1800.00
											COMMUNICATION RACK WITH ACCESSORIES	Wall mount Rack, 12U, 600mm(W), 800mm(D) consisting of the following accessories, 1 x Front Glass Door, 600mm(W), with Lock. 1 x FAN-90CFM-230vAC	05	7500.00
TEQIP-II/CG/CG1G02/100	IT Fibre Com rac	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	133000.00	Shopping	PIGTAIL 1 Mtr	SC SINGLE MODE, Strength Member: Aramid Yarn, Color coding: Yellow color for SM	24	700.00
											PATCH CHORD 3 Mtrs DUPLEXED	SC-SC SINGLE MODE, Performance should exceed EIA/TIA 568 B.2-1 Category 6 specifications, Plastic body ABS, UL 94V-0 or equivalent, ion Loss: 0.1dB typical, 0.3dB Max., Color coding: Yellow color for SM	16	2575.00
											COMMUNICATION RACK WITH ACCESSORIES	42 U, 1 x FAN-90CFM-230vAC 1 x Cantilever Shelf, 1U/255mm(D) 1 x PDU, 6 x 5A Sockets, 1 x 5A Fuse, with Indicator 1 x Cable Manager, 1U, with PVC Loops	01	75000.00
TEQIP-II/CG/CG1G02/101	Elex analog-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	217000.00	Shopping	Universal IC Tester	Analog cum Digital IC tester, upto 40 pin supported. Small, portable, light, and power-saving design, Display: 16	02	40000.00
											Linear Integrated circuit Trainer	+12V/500mA (fixed and with facility to vary from 0 to +12 V), One 12V/1 C.O. relay with terminations,	03	15000.00
											Study/Design of Active filter	Calculation of the low-pass 3rd order filter, Calculation of the high-pass 3rd order filters, Calculation of the 6th order band pass filters	02	13000.00
											Sample & Hold circuit	230 V AC, 50Hz, Frequency rang 2Khz to 32 Khz. Pulse width-variable.	02	20000.00
											Study/Design of passive filter	Calculation of the low-pass 3rd order filter, Calculation of the high-pass 3rd order filters, Measurement of the transmission and phase characteristics of the passive low-pass.	02	13000.00
TEQIP-II/CG/CG1G02/102	Elx Microprocessor Lab	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	270000.00	Shopping	8086 Microprocessor Trainer kit with LCD display & 101 ASCII keyboard	It contains all the minimal peripherals with a detachable hex key pad /display PCB. easy-to-use, entry level, 8086 based Microprocessor Advanced trainer kit.	30	9000.00

TEQIP-II/CG/CG1G02/106	Elex Workshop-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	545000.00	Shopping	UV Exposure unit	230v 50 hz, 16x2 LCD for timer and lamp status display,	01	45000.00
											PCB Shearing machine	Table or floor mounted	01	25000.00
											PCB Curring machine	230v 50 hz, 16x2 LCD for timer and lamp status display	01	35000.00
											PCB Prototype machine	PC based software interactive GUI, USB Interface, Micro drilling and milling.	01	400000.00
											Soldring and desoldring station	Digital , Temperture control accuracy 1 degree centigrade, burn proof.	02	20000.00
TEQIP-II/CG/CG1G02/107	Elex Spectrum-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	270000.00	Shopping	LCR Meter	Upto 25 KHz,accuracy 0.2%	05	30000.00
											D/A Converter	4 bit discrete & 8 bit Monolithic converters.	02	8000.00
											MOSFET Characteristics	with 2 meter and Power supply	04	14000.00
											FET Characteristics	with 3 meter and power supply	04	12000.00
TEQIP-II/CG/CG1G02/108	Elex Microwave-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	260000.00	Shopping	DIRECTIONAL COUPLER & MAGIC TEE SET UP	Cross directional coupler, Magic tee, Circulator	01	60000.00
											DIELECTRIC MEASUREMENT SET UP	Movable short precision with micrometer, Set of dielectric, Phase shifter	01	60000.00
											MICROWAVE POWER METER	Frequency range : 8.2GHz to 12.4 Ghz , Display : 16X2 Backlit LCD , Power : +20dBm to -30dBm	02	70000.00
TEQIP-II/CG/CG1G02/109	Civil survey Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	75000.00	Shopping	Plain table set	For survey purpose as per BIS specification	15	5000.00
TEQIP-II/CG/CG1G02/110	Civil survey Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	600000.00	Shopping	Electronic Digital Theodolite	Magnification-30x, Aparture- 45 mm, Field of view- 1030" , distance- 1.35 m, Stadia multiplying constant - 100, Resolution power- 3", Accuracy of measuring angle-2", Display – LCD two faced LCD	03	200000.00
TEQIP-II/CG/CG1G02/111	Civil Concrete Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	316000.00	Shopping	Sieve Sts	200 mm diameter made of brass as per IS standared.	04	20000.00
											Rebound Hammer-Original Schimdt Hammer Type-N	Compressive Strength =10 to 70 N/mm2, Impact Energy- 2.207Nm, Hammer mass- 115g, Spring constant- 0.79N/mm, Plunger= 105xØ15mm/radius of spherical tip25mm, Compressive Strength =10 to 170 N/mm2	01	50000.00

											Rebound Hammer-Silver Schimdt Hammer Type-BN	Compressive Strength =10 to 70 N/mm2, Impact Energy- 2.207Nm, Hammer mass- 115g, Spring constant- 0.79N/mm, Plunger= 105xØ15mm/radius of spherical tip25mm, Compressive Strength =10 to 170 N/mm2	01	100000.00
											Plummet balance as per IS: 2720 (Part-4)	Consist of vertical rod mounted on heavy base with leveling screw having graduated % unit 0-100 in 2% division having a provision of determination of sp. Gravity 2.4-2.8 to help solve stoke equation.	02	20000.00
											Flow and workability of mortar and hydraulic cement	Brass table top 250+2.5mm dia mounted on rigid stand, 12mm,shaft having 100rpm,suitable operation on 220V,50Hz single phase A.C supply,flow mould 100mm base dia 70mm top dia and 50mm high,flow table gun metal top motorized 250mm dia	02	23000.00
TEQIP-II/CG/CG1G02/112	Civil Concrete Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	162000.00	Shopping	Slump cone with tamping rod	As per IS:7320	05	2000.00
											I.S Sieves for coarse and fine aggregate	12 inches dia made of brass frame for coarse series 125,106,100,90,80,75,63,5 3,50,45,40,35.5,31.5,26.5,25,22.4,20,19,16, 13.2,12.5,11.2,10,9,8,6,7,6, 3,5,6,4,15,2,36,1,18mm	62	1000.00
											Electronic digital Weighing balance	Capacity 2000gm,readability 0.01gm,pan size 180 x 180mm	01	30000.00
											Electronics digital Weighing balance	Capacity 8000gm ,readability 0.1gm, pan size 180 x 180mm	01	35000.00
											Sieve shaker	Sieve shaker gyratory type motorized,0.5HP motor for 45mm dia sieves including lead and extra pan	01	25000.00
TEQIP-II/CG/CG1G02/113	CivilEnvironment Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	280000.00	Shopping	Jar test App.	Standard	01	50000.00
											Autoclave Pressure Cooker	Size – 30 cm diameter and 30 cm height made of aluminum or stainless steel	01	70000.00
											Air entrainment meter	Pressure tight flange cylindrical measuring bowl fitted with removable flange and conical cover including calibration cylinder	02	30000.00
											Chemicals and reagent(including glass ware)	Various reagents and chemicals pertaining to environment lab	01	100000.00
TEQIP-	Civil Geology Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for	No	No	03/07/2012	425000.00	Shopping				

II/CG/CG1G02/114					teaching, training and learning facilities						Ore Microscope	Readability up to 0.002 mm, graduated 0 to 360 degree, ¼ wave length, Eye piece- hay 10 x with cross and =15x packed sock proof sytro fome case in side plywood box.	01	25000.00
											Micro logical Microscope	Readability up to 0.002 mm, graduated 0 to 360 degree in step of 5 degree analyzer.	01	25000.00
											Resistivity Meter	As per Standard National Institute of Hydrology, Readability 0.001O, P-V Computer with Colour printer and latest software	01	300000.00
											Structural Geology Model (Wooden-Fold, Fault)	As per IS Standard	01	50000.00
											Engineering geology Model (Wooden-Tunnel, Dame)	As per IS Standard	01	25000.00
TEQIP-II/CG/CG1G02/115	Civil Transportation Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	353000.00	Shopping	Benkelman Beam	The apparatus consist of a 365 cm long aluminum beam in two halves arranged to give the lever arm ratio of 2:1.A buzzer is provided for removing friction on the bearings with spring loaded clamp. The fine and coarse adjustment must be provided.	01	75000.00
											Marshal Stability machine with digital display	The unit comprises of:- Load frame – 25 KN capacity, Rammers-2 nos., Moulds- 3nos., Digital display, Load cell 50 KN, Displacement censor along with flow meter +/- 20 mm	01	200000.00
											Crushing value cylinder and mould with plunger	As per BIS specification	02	7500.00
											Aggregate impact testing machine	With blower counter,cup mould,tamping rod including essential accessories for determination of aggregate impact value as per BIS Specification	02	7500.00
											Proving ring and dial guage	Having capacity of 100KN,200KN,250KN,1000K N with certification of NCCBM or other central govt. authority	04	12000.00
TEQIP-II/CG/CG1G02/116	Civil Fluid Mechanics Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	300000.00	Shopping	Orifice meter	Standard size design of brass plate with standard flange dimension 6.2' pipe and flange fitted with standard peacock valve fitted on v/s on 3' length pipe d/D -1/2, Size- 10mm,20mm,25mm,40mm,50mm,75mm.	01	50000.00
											Orifice Apparatus	It has Cleveland flash cup in brass with an insulated handle, a metal heating plate with circulars opening covered by asbestos board.	01	100000.00
											Mouth Piece & orifice Apparatus	Constant head supply tank 45x45x90 cm made of M.S. angle frame 1" with 3mm thick sheet,measuring tank 90x90x90 cm, Orifice-Circulars 20 mm, Rectangular 10x20 mm, Square 20x20 mm, Triangular 25 mm, Mouth Piece- Cylindrical 30 mm, Convergent 30 mm size, Divergent 30 mm and bore dia 30 mm size.	01	100000.00

											Notch Apparatus	M.S. supply tank 180x40x30 cm provided with baffles, Measuring tank 45x45x60 cm provided with fitting hopper and partition, gauge glass, scale and drain valve, collecting tank section 45x30x60 cm.	01	50000.00
TEQIP-II/CG/CG1G02/117	Chemestry Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	402000.00	Shopping	Auto ranging Conductivity TDS Analyzer	conductivity range 0 to 200 us, TDS Range 0 to 10, Temp. 0.1°C	02	75000.00
											Photoelectric Calorimeter	Display 2.1/2 digit LED, Range 380-700	02	12000.00
											Digital Flame Photometer	Gas Controller , Gas-LiQ.NH3	02	66000.00
											pH Meter	DC Adapter , Autocalibretron	03	32000.00
TEQIP-II/CG/CG1G02/118	Medical -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	350000.00	Shopping	Mutipara Monitor [Multi parameter patient moniter]	TFT colour monitor of size 12.1 inches; Resolution 800x600 pixels,Wgt: 4.5 kg, Lead acid recargable battery,Power supply-AC 100-240V@50/60 Hz,Std. configuration of: ECG,Resp,SpO2,1-temp,HR;ECG/Respiration/HR: 3/5/12 load ECG input,HR:10-300 bpm,Respiration method:temperature variation b/w RA-LL(R-F); NIBP: Automatic Osillometry, Unit:mm Hg/kpa,Nellcor SpO2: saturation range-0 to 100%; PR range: 20 to 300 bpm, Resolution: 1bpm	01	120000.00
											Biphasic Defibrillater	General:Device with dimension 260x280x250mm, wt<10.5kg, SLA: 12V 4.5 Ah battery,Power consumption<10 VA,Power supply: AC input 100 to 230 V ,AC +- 15%,50/60 Hz; Defibrillator:Current control biphasic,Energy storage>300 Joules,Charge time<10sec,Energy ion:2 to 300 Joules in step(2,3,5,7,10,20,50,70,100,150,200,300 joules); Monitor:LCD,320x400 pixel resolution,ECG mode:paddle ECG & patient cable ECG,1v/1mV ECG output, Freq.response:0.5 to 30 Hz;Printer: recorder 50mm, thermal array recording, paper size:50mmx25meters,Store & prints upto 24 events.	01	195000.00
											Pulse Oximeter	Integrated with SPO,Measure:SPO2 &	01	35000.00
												PR,Display:SPO2&PR,4 directions& 6 modes,shut off automatically when no signal		

TEQIP-II/CG/CG1G02/119	WS-6	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	412000.00	Shopping	Universal Radial Drilling Machine	Drilling capacity in M.S-38mm Drilling capacity in C.I-45mm Spindle travel-220mm Range of spindle speed(r.p.m)-1980 Size of base plate- 760x1250x150mm3	02	206000.00
TEQIP-II/CG/CG1G02/120	Mech EM Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	93000.00	Shopping	MOMENT OF INERTIA OF FLYWHEEL (30cm)	Machined and balanced cast iron wheel and the steel spindle in support on ball bearing in strong iron brackets. The wheel is smoothly painted black and is marked with a line. A pointer is fixed to one of the brackets.	02	8000.00
											WINCH CRAB SINGLE/ DOUBLE PURCHASE	Winch crab single purchase- Fitted with heavy cast iron wall brackets The grooved wheel is of 25 cm dia.and gears are machine cut. Winch crab Double purchase- Same as above but with double set of gearing arrangement.	01	9000.00
											POLYGON OF FORCES	Wooden board of 75x70 cm size, provided with two wall brackets and four adjustable frictionless aluminum pulleys and five sets of slotted weights of iron nickered each set containing nine weight and one hanger of 50gms.	02	2500.00
											CUT SECTION MODEL OF TWO STROKE SINGLE CYLINDER ENGINE	This model is made out of used engine, suitably sectioned to show the internal construction of the engine, gear box, clutch and rear wheel mechanism and the model is fitted on a sturdy iron frame. The complete internal details can be demonstrated by operating the kicker lever to show the working of the piston, sparks from the spark plugs can also be shown	01	60000.00
											COMPOUND LEVER	Two iron beams 25x2.5 mm connected to each other and fitted on two different stands, well balanced with a scale pan. Complete with 1 Kg weight and a physical iron nickered weight box 1-50 gms.	02	1500.00
TEQIP-II/CG/CG1G02/121	Mech EM Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	348000.00	Shopping	CUT SECTION MODEL OF FOUR STROKE SINGLE CYLINDER ENGINE	The engine and gearbox assembly, sectioning of maximum parts an accessories like Cylinder, Cylinder Head, Valve ports, Gear box, housing, Oil sump, etc will be carried out to show the internal constructional details such as Piston, Piston rings, Valves, cam, connecting rod ,etc. the model will be mounted on stand.	01	116000.00
											MODEL OF AIR BRAKE SYSTEM	The model is made out of Original parts such as Air compressor, Unloader valve, foot valve, Booster, Wheel assembly, air tank, control valve etc Suitably sectioned and mounted on a sturdy iron frame.	01	50000.00

											CUT SETION MODEL OF HYDRAULIC BRAKE UNIT FOUR WHEEL TYPE	This model contain two disc brakes in the front and two drum brakes at the rear and it is made out of original parts such as two master cylinder Assembly (one sectioned and one working), wheel cylinder, Brake drum, Brake Shoes, calipers etc., suitably sectioned and mounted on a sturdy iron frame.	01	78000.00
											CUT SETION MODEL OF FULLY FLOATING DIFFERENTIAL & REAR MECHANISM	This model is made out of original used heavy vehicle parts, suitably sectioned to show clearly the action of Differential gear box, such as pinion crown wheel in Differential and Brake drums in Rear axle, A Crank handle is provided to demonstrate the model. The model is mounted on a sturdy iron frame.	01	104000.00
TEQIP-II/CG/CG1G02/122	Mech ICE Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	236000.00	Shopping	CLOSED CIRCUIT APPARATUS FOR DETERMINATION OF CD,CC & CV	Supply Tank of M.S Powder Coating/M.S.FRP Lining/S.S Unit of suitable size with a fixture arrangement to mount 2 replaceable orifices. A scale & Sliding arrangement for measurement of X & Y ordinate to find the velocity traverse of the water jet from orifice & provided with a micrometer contraction gauge for the measurement of Contraction of water jet at the throat of the orifice. Two Orifices made of gunmetal/Brass, Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.5 HP single phase [ISI marked],	01	60000.00
											CLOSED CIRCUIT APPARATUS FOR DETERMINATION OF FLOW THROUGH VENTURIMETER & ORIFICE METER	Piping System Consisting of Two G.I. Pipe lines, each line fitted with a venture meter & orifice meter of size 25 mm with a gate valve, Differential u tube manometer with mercury, Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.5 HP single phase [ISI marked],	01	60000.00
											CLOSED CIRCUIT BERNOULLI'S THEOREM APPARATUS	Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size ,A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.25 HP single phase [ISI marked]	01	60000.00
											CLOSED CIRCUIT REYNOLD'S APPARATUS	Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.25 HP single phase [ISI marked], A transparent duct made of acrylic and of smooth variable cross section with suitably spaced 0.5m height replaceable high quality graduated glass tubes to measure the pressure head along the duct and a GM flow control valve.	01	56000.00

TEQIP-II/CG/CG1G02/123	Mech ICE Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	156000.00	Shopping	APPARATUS FOR DETERMINATION OF METACENTRIC HEIGHT	Semi Circular Sectioned hollow ship model, provision for loading as Cargo and warship, fine arrangement for accurate angle measurement extra weight in Metric Unit for tilting coupled, Sump Tank of M.S. Powder Coating/MS. FRP Lining/S.S. Unit water tank of suitable size	01	36000.00
											CLOSED CIRCUIT PIPE FRICTION APPARATUS	Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size ,A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.5 HP single phase [ISI marked], Piping System of Two G.I. Pipe lines of size 20 & 25mm with taping at 2m having a set of individual gate valves & distribution chamber with isolating cocks to facilitate individual experiment on piping system, Frictional Head Loss by Differential u tube manometer with mercury	01	60000.00
											MINOR LOSSES APPARATUS	Pump set of 0.5 HP, 1Ph, Sump tank for 1000 x 300 x 400 mm, Collecting Tank for 300 x 300 x 400 mm, Pipes & fittings of 3/4" pipe line with various fittings like bend, elbow, collar, Expansion, contraction and gate valve, Head Measurement by Acrylic body Manometer, 200-0-200 mm with Mercury.	01	60000.00
TEQIP-II/CG/CG1G02/124	Mech FM Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	287000.00	Shopping	Parallel flow & Counter Flow Heat Exchanger	Heat Exchanger Outer Pipe Insulated By Asbestos Rope a. Diameter :25mm Heat Exchanger Inner Pipe a. Length :1000mm b. Diameter :12.5 mm OD	01	48000.00
											Shell & Tube Heat Exchanger	Specimen Shell: 200mm dia, 5mm thick, 1m long MS pipe Tubes: 1/2" dia, 1020mm long Copper or seamless MS tubes	01	98000.00
											Thermal Conductivity of Insulating Powder	Outer Sphere (top And Bottom) a. Diameter : 200mm (Approx.) b. Material : Copper Inner Sphere (top And Bottom) a. Diameter : 100 b. Material : Coppe	01	47000.00

TEQIP-II/CG/CG1G02/127	Mech Hydraulic Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	334000.00	Shopping	STATIC AND DYNAMIC BALANCING APPARTUS	Apparatus with appropriate specification to perform following: conducting experiments on static balancing and dynamic balancing with different weights. This consists of rectangular frame of steel perfectly balance with four different blocks. A protractor scale of the disc is provided to reach exact angular position of each weight to be measured. A linear scale provided below the frame provides the measurement of each weight along the shaft.	01	58000.00
											MOTORIZED GYROSCOPE	Apparatus with appropriate specification to perform following: to demonstrate the relationship between applied torque and the rate and direction of rotation. This is motorized and mounted on a frame such that free to rotate about three perpendicular axes.	01	60000.00
											WHIRLING OF SHAFT APPARATUS	Shafts made from steel of dia. 2-8mm, length 10000mm One kinematics coupling and bearing for fixed of free end. One sliding chuck for fixed end with lateral movement. POWER REQUIREMENT: 220 V, 50 Hz single phase	01	56000.00
											VIBRATIION LAB-No.1	Vibration Lab machine for performing experiments on longitudinal and torsional vibrations with control panels and speed indicators. Exp.1-Equivalent spring mass system to study the undamped free vibration. Exp. 2- Equivalent spring mass system to study forced calibration	01	160000.00
TEQIP-II/CG/CG1G02/128	Mech Turbine Lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	564000.00	Shopping	VIBRATIION LAB-No.2	Vibration Lab machine for performing experiments on longitudinal and torsional vibrations with control panels and speed indicators.	01	190000.00
											JOURNAL BEARING APPARATUS	Journal 50 mm diameter (Nominal), Bearing 55 mm diameter, 4 adjustable weights, Recommended oil SAE 10, DC Motor with speed 150-1500 rev/min in both the directions, Suitable speed Control Unit is provided along with apparatus, Manometer Panel 16 tubes mounted on a wooden backboard	01	118000.00
											EPICYCLIC GEAR APPARATUS	External Type Epicyclic Gear Train, Bearing blocks for input and output Shafts are mounted on a base frame, A gear Train with Holding drum and a handle, Internal Type Epicyclic Gear Train, A compact Gear Train (Industrial), Variable Speed D.C. Shunt Motor, 1 H.P. 1500rpm, 230 Volts, Rope brake arrangement to measure output torque	01	138000.00
												and holding torque, Control Panel consisting of Digital Ammeter and Voltmeter RPM Indicator, on off switch. Speed control unit		

											CORIOLLIS COMPONENT OF ACCELERATION	Main Tank Fabricated out of fiberglass plastic sheet, Rotating Arms 9 mm/ 6mm orifice diameter, 300mm long, Rotameter 300 to 3000 LPH, Electrical Motor D.C. Swinging field, 0.5 H.P. 50 RPM, Monoblock Pump Single phase, pump with Motor 2400 LPM discharge, Control Unit consisting of a) pump switch, b) Speed Control, c) Speed Indicator d) Main Switch, Rigid Support Structures	01	118000.00
TEQIP-II/CG/CG1G02/129	Eng Lab-III	Not available	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	570000.00	Shopping	Software Console for Digital English Language Lab	30+1, Coputer based Console, Special Edition, Premium, with Interactive instruor module, Interactive student module, audio/vedio recorder	01	570000.00

Package Code	Package Name	Justification	Item Category	Item Sub Category	Activity Name	Is Proprietary	Through DGS & D	Estimated Financial Sanction Date	Total Estimated Cost	Proc. Method	Item Name	Item Description	Item Quantity	Item Estimated Cost Per Unit
TEQIP-II/CG/CG1G02/1	Civil-survey lab-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	59000.00	Shopping	Prismatic compass	100 mm diameter made of gunmetal or brass with fine finish wooden tripod stand	10	1000.00
											Surveyor compass	100 mm diameter made of gunmetal or brass with fine finish wooden tripod stand	10	1000.00
											Metric chain 30 meter	as per IS specification having 100 or 150 links	10	1000.00
											Metric chain 20 meter	as per IS specification having 100 links	10	1000.00
											Optical square	For survey purpose as per BIS specification	10	1000.00
											Cross staff	Of Size 100 x 100 x 50mm	15	600.00
TEQIP-II/CG/CG1G02/2	Civ-Concrete lab-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	200000.00	Shopping	Vee-Bee Consistometer	A Slump cone 100 mm inside diameter at top and 200 mm inside diameter at base and 300 mm height.	01	50000.00
											Flow Table Motorized	Machine Table top 250 mm diameter made of Gunmetal, conical mould 100 mm inside diameter at bottom and 90 mm inside diameter at top and 50 mm height.	01	100000.00
											Vicat Apparatus	A frame with a vertically moving bearing rod, 70 mm diameter at bottom and 60 mm diameter at the top and 40	10	5000.00
TEQIP-II/CG/CG1G02/3	CIV-ENVIRONMENT LAB-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	550000.00	Shopping	BOD Incubator	BOD Incubator Chamber size 10 cubic feet, capacity 336 liters double walled, Temperature controller 50C to500C	01	150000.00
											Turbidity meter	Range-0 to 1000 HPU, Direct reading out in HPU, Curves with 6 samples	05	50000.00
											Digital Ph meter	Dimension (21.2x8.70x4.20) cm, Range-pH -2.00 to 19.99, mV, Temperature -10 to 110 0C, Resolution pH 0.1, 0.01,0.001 (able), Accuracy- pH +/- 0.002, temp. +/- 1	05	10000.00
											Muffle Furnace	Standard	01	100000.00
TEQIP-II/CG/CG1G02/4	CIV-ENVIRONMENT LAB-II	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	450000.00	Shopping	Digital Spectrophotometer	Range-340 to 960 nm, Resolution- 0.1% , Wave length accuracy -1 mm,Operating Temperature -05 to 45 0C.	01	350000.00
											Hot Air oven	Dimension (910x605x605) mm, Temperature Range – Range of 2500C.	01	50000.00
											Microscope	Magnification-100 x to 675 x, Plano Concave mirror	01	50000.00
TEQIP-II/CG/CG1G02/5	Civil-geology lab-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	115000.00	Shopping	Crystallographic Model	Wooder/ Plastic model multy colour having consist of deep, strike, true deep, apparent deep, crystal class having equal and an equal group, model of structural geology multy colour set of characteristic feature of fold, fault and unconformity and joints (size 6"x4")	01	50000.00
											Wooden Cabinet	20 cm x 25 cm in size and 6.0 cm depth	05	10000.00
											Hardness Testing kit	It includes Streak plate, Knife, pocket magnifying lens, glass plate, mohr'S Scale.	10	500.00
											Rock Specimen 100 nos.	Size 5.0 cmx7.00 cm showing characteristic physical properties.	01	10000.00
TEQIP-II/CG/CG1G02/6	CIV-GEOTECH LAB-I	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	750000.00	Shopping	Static Cone Penetration machine	Maximum Pushing force-200 KN, Maximum Pulling force-220 KN, Drive- 12.5 Hp Diesel Engine, Pressure Gauge- Low 0-160 Kg/cm2 and High 0-600 Kg/cm2 , Penetration Speed 10-15 mm/s as per IS 4968 (Part III)	01	700000.00
											Skempton's Core Pressure App.	Capacity 10 Kg/cm2, As per IS Standard	01	50000.00
TEQIP-II/CG/CG1G02/7	CIV-GEOTECH LAB-II	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	625000.00	Shopping	North Dakota Cone Apparatus	A shaft with a sharp steel cone of angle 15030° attached to one end and sliding vertically in a frame, a set of weight up to 5 Kg (7 nos.) .	01	50000.00
											Tri axial Compression Test App.	Load Frame- Motorized 50 KN capacity with single speed 1.25 mm/minute ,Tri axial Cell- Suitable for 38/50 mm diameter and 76/100 high specimen, Suitable for lateral pressure up to 1000 Kpa, the cell has 4 takeoff positions drilled in the base for cell pressure and 4 sealing rings for 38/50 mm dia samples.	01	225000.00
											Consolidation Test Apparatus	Bench Type Consolidometer front loading single unit, as per IS 2720(part XV), Comprises – Loading unit 20 Kg/cm2 , Consolidation Cell 60 mm dia. And 20 mm height.	01	50000.00
											Un Confined Compression Test App.	Screw jack with frame and dial gauge holder, Set of upper and lower platens 150 mm diameter, Cone seating 2 nos., Proving ring suitable capacity.	01	300000.00

TEQIP-II/CG/CG1G02/8	CIV- GEOTECH LAB-III	outdated-old model	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	Direct Shear Test Apparatus	Shear box assembly 60 mm square complete with U bracket, Gripper assembly consisting of 2 plain grid plates, 2 perforated grid plates, base and loading pad all made of brass with normal loading capacity of 8 Kg/cm2 on 60 mm square specimen with motor driven 12 speed gear drive providing 12 rate of strains	01	150000.00
											Standard Penetration Test App.	hammer 65 Kg, Drive pipe Assembly of 75 cm fall, Tripod stand 5m length.	01	250000.00
TEQIP-II/CG/CG1G02/9	CIV-TRANSPORTATION LAB-I	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	200000.00	Shopping	Standard Penetrometer	Supply complete set with suitable dial gauge and 50 g and 100 g weights	02	30000.00
											Ring Ball Apparatus Electrically operated	Complete set with 2 steel ball 95. mm diameter, A ring holder and bath tub 8.5 cm dia . and 12 cn high approximately.	02	25000.00
											Tar Viscometer Electrically Opp.	It has a 10 mm cylindrical bras cup with a dished bottom. A cylindrical copper bath 160 mm dia and 105 mm with a immersion heating element .	02	25000.00
											Flash and Fire point Apparatus	It has Cleveland flash cup in brass with an insulated handle, a metal heating plate with circulars opening covered by asbestos board.	04	10000.00
TEQIP-II/CG/CG1G02/10	CIV-FLUID MECHANICS LAB-I	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	350000.00	Shopping	Ship Model for Meta centric Height	Pontoon made of copper/brass plate with adjustable moving water and plastic are least count 0.5 degree, Steel tank of size 40x04040 cm one side glass.	04	25000.00
											Bernoulli's Apparatus	Rectangular transparent channel 1.5"x1.5" entrance and 3.5"x3.5" at exit of 3' long flow section, Piezometer @ each 5 cm interval, Collecting tank of 30x30x60 cm with supporting stand.	01	200000.00
											Venturi meter	Venturimeter made of gun metal standard tested for 200 lbs/mm2,It has a converging cone of 6.5 degree , diverging cone 3.5 dgree, d/D = ½., Size 25 mm, 40 mm, 50mm, 75mm.	01	50000.00
TEQIP-II/CG/CG1G02/12	Civ-material testing lab	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	519000.00	Shopping	Flexure testing machine	The load cable capacity 100KN duly calibrated, fitted with micro switches, flexure testing attachment for testing beam size of 100 x 100 x 500 mm and 150 x 150 x 700mm	02	79000.00
											Tile abrasion testing machine	Revolving at the speed of 30+1 rpm, rotating about its vertical axis(enclosed by a circular tray)	01	78500.00
											Torsion testing machine for rods	Two independent chuks, rotated by electric motor, scale with pointer fixed on frame, twisting moment of about 50kgm,equipped with jaws for accommodating test piece of 10mm,20mm size .	01	92500.00
											Universal auto compactor	Rammer-Circular faced 50mm dia adjustable to 2.6kg or 4.9kg wgt, -adjustable to 310mm or 450mm, Supplied with standard M.S 100ID and 150mm ID moulds(with mechanical counter)	02	95000.00
TEQIP-II/CG/CG1G02/13	Elex analog-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	358000.00	Shopping	LVDT Trainer	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	15000.00
											Measurement of displacement using light dependent resistor (LDR)	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	15000.00
											Diode and Zenner Characteristics with power supply	12 volt dc, 50mA regulated power supply	03	7000.00
											Photo Transister Trainer	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	5000.00
											Characteristics of photoconductive cell	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	7000.00
											Transister Characterstics with power supply	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	13000.00
											Measurement & control of temperature using IC sensor	±12 VDC, 100 mA, regulated power supply.	03	10000.00
											Characteristics of NTC bridge circuit	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	8000.00
											LDR light/dark activated relay switch	12 volt dc, 50mA regulated power supply, Range ±20, 4kHz fixed sine wave.	03	12000.00
											Frequency modulation transmitter kit	±12 VDC, 100 mA, regulated power supply.	02	13000.00
											Frequency modulation receiver kit	±12 VDC, 100 mA, regulated power supply.	02	13000.00
											AM/FM Radio receiver kit	±12 VDC, 100 mA, regulated power supply.	02	15000.00

TEQIP-II/CG/CG1G02/14	Elex Microcontroller	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	257000.00	Shopping	Advanced 8051 microcontroller trainer	In-built power source : inbuilt +5V, +12V and -12V DC power sources are provided, Mono-pulse and clock unit : with frequencies 8MHz, 4MHz, 2MHz, 1MHz, 500KHz, 250KHz, 125KHz, 62.5KHz and 31.25KHz, Serial port for program download	05	13000.00
											8085 microprocessor kit	It contains all the minimal peripherals with a detachable hex key pad /display PCB. easy-to-use, entry level, 8085 based Microprocessor Advanced trainer kit.	05	9000.00
											STL-Sensor Trainer	Built in power supply, DC supply \pm 12V, 500mA, variable 7V to 14V @ 3Amp. For torque measurement experiment	01	15000.00
											Transistor amplifier trainer	Built in power supply, DC supply \pm 12V	02	13000.00
											Current voltage feedback	Built in power supply, DC supply \pm 12V	02	12000.00
											H-parameter FET amplifier	Built in power supply, DC supply \pm 12VDC	02	8000.00
											RF tunnel amplifier	Built in power supply, DC supply \pm 12V	02	13000.00
											JFET amplifier	Built in power supply, DC supply \pm 12V	02	12000.00
											Negative feedback amplifier	Built in power supply, DC supply \pm 12V	02	8000.00
TEQIP-II/CG/CG1G02/15	Elex Workshop-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	220000.00	Shopping	PCB DRILLING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	40000.00
											PCB ETCHING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	35000.00
											PHOTO RESIST DIP COATING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	35000.00
											ROLLER TINNING MACHINE	230v 50 hz, 16x2 LCD for timer and lamp status display	01	45000.00
											FILM MAKING UNIT	230v 50 hz, 16x2 LCD for timer and lamp status display	01	25000.00
											ILLUMINATED MAGNIFIER: 5x Magnification Table Lamp.	230v 50 hz,	01	10000.00
											PHOTO DYE/DEVELOPER (2 IN 1)	230v 50 hz, 16x2 LCD for timer and lamp status display	01	30000.00
TEQIP-II/CG/CG1G02/16	Elex Fibre Optics-1	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	800000.00	Shopping	Fiber Optic Analog Transmitter Kit	IC regulated power supply, 230 v, 50Hz	01	200000.00
											Fiber Optic Analog Receiver Kit	IC regulated power supply, 230 v, 50Hz	01	200000.00
											Fiber Optic Analog And Digital Modulation/Demodulation Kit	IC regulated power supply, 230 v, 50Hz	01	200000.00
											Fiber Optic Advance Digital Communication Kit	IC regulated power supply, 230 v, 50Hz	01	200000.00
TEQIP-II/CG/CG1G02/17	Elex Fibre Optics-2	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	565000.00	Shopping	FIBER OPTIC TRAINER KIT BASED ON LASER DIODE AND GLASS FIBER	IC regulated power supply, 230 v, 50Hz	01	125000.00
											FIBER CONNECTOR AND SPLICE INSTALLATION TOOLS	IC regulated power supply, 230 v, 50Hz	01	100000.00
											Fiber Optic Power Meter	Hand Held Power Meter - 0.01dB Resolution, Calibrated at 850/1310/1550nm	02	45000.00
											ADVANCE FIBER OPTIC COMMUNICATION TRAINER	IC regulated power supply, 230 v, 50Hz	01	250000.00
TEQIP-II/CG/CG1G02/18	Elex Spectrum-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	Spectrum Analyzer	IC regulated power supply, 230 v, 100 KHz to 1 Ghz	01	400000.00
											generate, USB/RS232 Interface, software interfacing			
TEQIP-II/CG/CG1G02/19	Elex Microwave-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	240000.00	Shopping	BASIC KLYSTRON BENCH SET UP	Klystron power supply, VSWR Meter solid state, Klystron mount, Frequency meter (Direct reading)	01	120000.00
											BASIC GUNN DIODE BASED BENCH	Gunn power supply (Digital), Detector mount with detector, Frequency meter (Direct reading)	01	120000.00
TEQIP-II/CG/CG1G02/20	IT Networking	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	375000.00	Shopping	LAN Trainer Kit (Network Interface ,Network Emulator, Programming Library software)	Fullfill various aspects of LAN's such as hardware & cabling, software configuration & protocols. i.e. LAN Card Cable, Onboard Hub & Cabling setup via jumpers Connectors, HUB, Switch, Crimping Tools	03	125000.00
TEQIP-II/CG/CG1G02/21	IT Fibre-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	36400.00	Shopping	INTERNET HIGH END ROUTER	DI-high speed RISC based minimum 500Mhz, E3, Ch-E1, E1 G.703 and STM-1/OC-3 interfaces as per ITU-T standard. forwarding capability of at least 400Kpps using 64-byte packet size, at least 256MB RAM and adequate Flash memory to support all the desired features, purpose-built modular chassis based SNMP managed router with IPv6 enabled hardened operating system.	01	36400.00
TEQIP-II/CG/CG1G02/22	IT Fibre Network	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	565500.00	Shopping	MANAGED L3 SWITCH	DGS-purpose-built modular and stackable Layer-3 SNMP managed switch with IPv6 enabled hardened operating system.	03	188500.00

TEQIP-II/CG/CG1G02/23	IT Fibre comm	fiber optics networking	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	750000.00	Shopping	MANAGED WIRELESS BRIDGE	DAP WITH 15 dbi ANTENNA OMNI AND PIGTAIL, Frequency Range 2.4-2.5GHz Gain 15dBi Polarization + Linear + Vertical HPBW + Horizontal -360, Compatible with 802.11g and 802.11b networks + Vertical -5 Power Handling 50W (cw) Impedance 50 Ohms	08	75000.00
											GBIC MOUDLE FOR DGS	DEM-support sliding into the mini GBIC slots.inbuilt duplex LC connectors,1000Base-LX (IEEE 802.3z standard).Shall be complied with other Layer-2 and Layer-3 switches for seamless interoperability	12	12500.00
TEQIP-II/CG/CG1G02/24	IT Fibre switch-II	Fibre optics networking wi fi	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	545900.00	Shopping	MANAGED WIRELESS ACES POINT	DAP-E3, Ch-E1, E1 G.703 and STM-1/OC-3 interfaces as per ITU-T standard.	20	25000.00
											TERMINATED OFC TESTING AND ACTIVATION.	RS 422 and RS 455 Standered	24	450.00
											RACK MOUNT SC BASED	12 U LIU LOADED, Stackable design, sufficient room provided for storage of excess cable, Fully cushioned splice holder containing grooves for fixing splice protective sleeves, Shall accept SC simplex/duplex adaptors	06	5850.00
TEQIP-II/CG/CG1G02/25	IT Workstation	Less in quantity	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	860000.00	Shopping	Workstation	Chipset Intel 5520 Super I/O Controller SMC SCH5327, Rev B Processor Socket Single LGA1366 Memory Modes NUMA (Non-Uniform Memory Architecture), Memory Node Interleave Memory Speed Supported 800, 1066, & 1333 MHz Processors Intel Xeon Processor X5570 QC 2.93 GHz, 95W, 8M cache, 6.40GT/s QPI, DDR3 1333 MHz, HT, Turbo*	04	215000.00
TEQIP-II/CG/CG1G02/27	EE-BEE LAB-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	270500.00	Shopping	AC Ammeter	3½ Digit Digital Portable Meter, Range: 0-2A/20A, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
											AC Voltmeter	3½ Digit Digital Portable Meters, Range: 0-200V/600VAC, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
											AC Digital Watt meter	4½ Digit Digital Portable UPF, Single Phase, Single Element, Accuracy ±0.5%, Range: CC 10A, PC 500V, . Supply: 230VAC, 50 Hz	05	2500.00
											AC Digital Watt meter 3-phase	3½ Digit Digital Portable Meters, three phase, three wire, Accuracy ±0.5%, Range: CC 05A, PC 440V, . Supply: 230VAC, 50 Hz	05	2500.00
											DC Ammeter	3½ Digit Digital Portable Meters, Range: 0-2A/20ADC, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
											DC Voltmeter	3½ Digit Digital Portable Meters, Range: 0-200V/600VDC, Accuracy ±0.5%, . Supply: 230VAC, 50 Hz	20	1500.00
											Digital volt-amp-frequency- pf Meters	Single Phase, Single Element, Accuracy 2° Electrical, Range: CC. 5A, PC. 220V, 40-99.9Hz, 0.2(lead)-1.0-0.2 (lag), self powered	10	2500.00
											Digital volt-amp-frequency- pf Meters 3-phase	3 Phase, Single Element (balanced load), Accuracy 2° Electrical, Range: CC. 5A, PC. 440V, 40-99.9Hz, 0.2(lead)-1.0-0.2(lag), self powered	10	2500.00
											Analog Watt Meters	Electrodynamometer Portable Type, 3 Phase, 3Wire Balanced & Unbalanced Load, Accuracy ±1.5%, Range: CC.5/10A, PC. 250/500, Accuracy ±0.5%	10	4000.00
											a.c. and d.c. clamp multimeter	DC/ AC current and voltage range - 600 A and 600 V, Resistance and continuity check, 31/2 digit, 4000 count display with backlight, High resolution digital bar graph, Peak, min/max and data-hold functions, Zero-offset REL mode for comparative measurements, Supplied complete with test leads and carry case	01	8000.00
											Intelligent Power Factor Controller	440V±10%, 3-F, 5A, 6 Relays, output relay capacity : AC 220V/DC30V, 3A, 0-250 KVAR/ Stage, Automatic or Manual, 0.0-1 (Lag-Lead), Power out Memory	05	5500.00
TEQIP-II/CG/CG1G02/28	EE-AE LAB-I	Available in few & hence required	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	750000.00	Shopping	C.R.O.	Channel: 2, trace:4, sensitivity; 1mv-20V/Div, Very & TB accuracy: ±2%, trigger BW : 60MHZ, X-MEG :X 10, Hold off: 10:1 with component Tester, over scan indicator, Digital Frequency Read out 10Hz to 40Hz	30	25000.00
TEQIP-II/CG/CG1G02/29	EE-BEE LAB-II	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	58000.00	Shopping	Digital Standard & Programmable Multimeter	DC Voltage – 200mV/2/20/200/1000V, AC Voltage - 200mV/2/20/200/750V/300V Auto, Resistance- 200?/2K/20K/200K/2000K/20M?, frequency- 0Hz/20KHz/20KHz/200KHz/200 KHz/10 MHz, Auto and Manual	01	18000.00

											Micro-Ohmmeter	4½ digits LED display, Display Range - 0.001 m? -19.999K?, Accuracy ±0.1%, Auto-ranging, Mains Supply: 230VAC, 50 Hz	01	40000.00
TEQIP-II/CG/CG1G02/30	civ-concrete lab -IV	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	600000.00	Shopping	flexural strenth testing machine	flexural strenth testing machine computerized 1000kN capacity suitable for testing of 0.25m lenth test specimen	01	300000.00
											ultra sonic pulse velocity test aprpratus	display unit with non volatile memory for 250 measured value ,display-128x128 graphic LCD,interface- RS232orwith adopter,integrated software for data transfer to PC,Measuring range-15to 6550µs, resolution-0.1µs,	01	300000.00
TEQIP-II/CG/CG1G02/32	civ-concrete lab-V	PRESENTLY NOT AVAILABLE	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	300000.00	Shopping	compresson testing machine	Electrical cum hand operated with 3 phase 440 volts motor,200tonnes,with digital load indicator and have aprovision for stationary load too	01	300000.00
TEQIP-II/CG/CG1G02/34	CIV-Transportation lab-III	Old model out dated	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	175000.00	Shopping	Ductility Testing Machine	Housing water bath10 liters capacity and thermostate controller for heater,the machine has to two standard rates of travel 1cm/minute and 5cm/minute	01	100000.00
											Los angle's abration machine	30-33 rpm,including accessories having for determination of aggregate impact value as per BISSpecification	01	75000.00
TEQIP-II/CG/CG1G02/35	EE-HV LAB -I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	527000.00	Shopping	HV AC/DC Set	100KV AC/140KV DC, suitable to conduct experiments on sphere gap for both A.C and D.C mode, flash over studies between different type of electrodes for AC and DC Modes, Testing Transformer Input voltage : 230V A.C, Output voltage : 100kV A.C, kVA rating : 10kVA, High Voltage rectifier: 40kV, P.I.V : 350kV, Current capacity : 30mA, Reverse current capacity : 10A, Type of cooling : Oil cooled, Resistance divider, Total resistance : 140M-ohm, Voltage rating : 140kV, Current carrying capacity : 1mA, Control panel: Well equipped with motorized dimmer, Memory switch, sample failed indication, zero interlock, door interlock etc.	01	270000.00
											100mm Sphere gap	100mm sphere gap assembly, Diameter of Spheres : 100mm, Material of Spheres : Pure copper, Type of Sphere gap : Vertical & mobile, Height of the Sphere gap : 1250mm, Distance of Sphere from structure : 200mm, motorized system and controlled from the control panel, Clock type gap indicator with the sphere gap apparatus, water resistor with stainless steel ends, 400ohm resistor should also be provided for impulse test, moving metal parts should be satin type hard-chrome plated	01	70000.00
											Rod gap Apparatus	rod-gap apparatus on mobile base frame, insulating structure with provision to mount the electrodes, Suitable micrometer scale on the moving electrode side to adjust the gap to the accuracy of ±0.1mm, pair of plate electrodes (uniform field), pair of point shaped electrodes (non-uniform field), pair of square tipped electrodes (non-uniform field)	01	60000.00
											Disc insulator string	11KV Disc insulator string with guard	01	27000.00
											Resistor divider	100KV Resistor divider, accuracy: 1%, Voltage Range : 0 – 100kV, Type of Cooling : Oil Cooled, Ratio : 1000: 1, Surge Protection : Provided, Corona Ring : Provided to arrest corona at High Voltage, Meter : High Impedance, mounted on triangular power coated mobile base with grounding bolt facility	01	50000.00
											Oil testing set	0-100kV OIL TEST KIT, Input Voltage : 0-230VAC, Output Voltage : 0-100kV (30-0-30), Rating of Transformer : 1KVA, Facility for zero & Door-interlock, Memory switch should be provided, Version : Motorised, Rate of rise of voltage : 1.5 – 2kV /sec, Over voltage cut-off should be provided, manufactured as per IS : 335 and IS : 6792, Suitable for mineral, ester and silicon oils,	01	50000.00
												Trip detection circuit with direct measurement of voltage and current		

TEQIP-II/CG/CG1G02/36	EE-PSPS LAB -I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	260000.00	Shopping	Static % Differential Relay Testing kit	1A or 5A, % Setting Range: 10% - 50% of I in steps of 10%, 2 biased inputs, Meters:, Two nos of 3 1/2 digit ammeter, Variable current source: Two numbers, One no. of automatic relay tripping time measurement circuit, One no. of micro controller based Time Interval Meter, LED display, One no. of ON push button, One no. of Off /rest push button, Potential free Outputs NO & NC, Time Interval meter Internal / External able, Built in liary power source, Provision for RELAY 'NO' / 'NC' connection facility	01	70000.00
											Bucholtz Relay Study Trainer	Bucholtz relay, Oil test setup, One number of mechanical type, oil and gas operated relay (bucholtz relay) one number of 'NO' contact for Alarm, one number of 'NC' contact for TRIP, One number of transformer is used to create the fault, One number of conservator used to fill the oil to the buchlotz relay, One number of reservoir to store the transformer oil, One foot pump used to create the bubbles in the buchlotz relay	01	70000.00
											Electro-Mechanical Over Current Relay test kit	C.T. SEC: 1A OR 5A, NON- DIRECTIONAL, PLUG SETTING: 50% - 200%, OUTPUT : 8A , relay 1NO, Characteristics : 3sec-10times, iliary supply : Self powered / powered , Construction : Draw out	01	60000.00
											Electro-Mechanical Over Voltage relay (IDMT) test kit	P.T. SEC : 110VAC, Over voltage relay, PLUG SETTING: 110 - 170% of rated voltage adjustable in steps of 10%, PLUG SETTING: 50% - 200%, time multiplier setting: 0.1 - 1 , output : 8A relay 1NO, Characteristics : 0-7sec at 1.5 times ±7.5%, iliary supply : Self powered / powered , Construction : Draw out, Accuracy Pick-up: Error class Index E 5.0 as per BS 142: 5.0 as per IS 3231 at the voltage setting and pick-up variation of 7% (max.) between 40 and 70 Hz, Insulation The relay meets the requirements of IS 3231/IEC 255-5 Series C - 2 kV for1 minute	01	60000.00
TEQIP-II/CG/CG1G02/37	CIV-Geotech lab-IV	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	C.B.R. Apparatus	Capacity-50KN, Motorized load frame having single rate of strain of 1.25mm/minute, Mould 3 sets =150mm inner dia and	02	100000.00
												175mm height with base plate and collar, proving ring- 50ka capacity, Surcharge weight-2.5&5.0kg annular, Compaction Rammer -2.6Kg&4.8Kg		
											Swell Pressure Test Apparatus	Load frame 50KN capacity ,Mould 100ID and ED107.3mm and 1000cm3 volume, proving ring 2.5KN capacity, Soaking tank 25cm dia and 20cm high	01	200000.00
TEQIP-II/CG/CG1G02/38	EE-PSPS LAB -III	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	650000.00	Shopping	Transmission Line Simulation Study Unit 400Km .	Artificial Transmission line 1 phase, Bench Model, No. of Pi - section : 5, Operating Voltage: 55/110/220 Volts, Current rating: 4 Amps, Short circuit strength: 10 A, Link simulation through air cored inductor, Each pi-section of every 80Kms, Power Transformer (Generating Station End), Input Voltage : 110V, 1Ph, 50Hz, Output Voltage : 55/110/220/ volts, Current rating: 4A with tap changing switch for voltage regulation, Power Transformer (Receiving station End) Input Voltage : 55/110/220 volts 1Ph, 50Hz., Output Voltage : 220V, 3Ph, 50Hz, Current rating: 4A with tap changing switch for voltage regulation, Protection relays single element impedance relay, over current relay + earth fault + highest, Meters: 2Nos. of 3 Phase power analyzer DSP based provided, It will display all the electrical parameter like V, I, PF, Hz, KW, KVA, Kvar, KWH.etc., 1no power analyzer with open ended connection, Time interval meter provided for trip time measurement. 0.0001sec accuracy,	01	300000.00
											Feeder Protection Simulation Study Unit	Feeder under fault simulation through Air cored, indicator having minimum of 4 zone of protection, Input / Output transformer 3 phase , 415V/66-33-11 volts, Resistive loading kit / Lamp load for the simulator, Internationally approved Microcontroller based Over current Relay, 3 phase OC + EF Relay + HIGHSET, Non directional with programmable relay function Model - 4 nos. with RS 485 communication port, software to display the parameter in pc, Testing Panel - consists of necessary CT & PTs, Microcontroller based time interval meter, LED / LCD is	01	350000.00
												provided, 4nos., Digital Panel Meters for measurement using DSP based Microcontroller power analyzer and Digital ammeter & Voltmeter with their switches, Built in circuit breaker, illuminated pushbuttons		

TEQIP-II/CG/CG1G02/41	PM & MP	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	780000.00	Direct Contract	Photocopy machine	Digital Copier with Printer (Size A-3). Minimum coping cpm: 15/15, paper size A3/A3, RAM MB:16	08	45000.00
											Multimedia Projector	Multimedia projector with minimum 10% Zoom Ratio,Resolution: 1024x768xGA,ANSI Luman:4000), Ceiling mounting brackets above 2000 to 4000 lumens	07	60000.00
TEQIP-II/CG/CG1G02/42	IB & MP	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	690000.00	Direct Contract	Interactive Board	Intractive Board (min diagonal size mm: 1700, Resolution: SXGA, Aspect Ratio 5:4., Portable Interactive Pad, Size: 240 mm.	07	70000.00
											Multifunctional Printer	Minimum copying speed cpm 15/15, A4/A4 category, simplex Netwok=yes	08	25000.00
TEQIP-II/CG/CG1G02/43	V Presenter	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	770000.00	Direct Contract	Visual Presenter	Desktop type, Resolution SXGA, Vedio frame 30, optical zoom 12x, Remote control	07	110000.00
TEQIP-II/CG/CG1G02/45	AC	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	865000.00	Shopping	Air conditionar	Split A/C, 2 tonn, 3 star,Compressor Type-Rotary,	20	35000.00
											Stablizer	for 2 tonn AC, 150 to 260 Volt single phase, 12 amp.	30	5500.00
TEQIP-II/CG/CG1G02/46	WC & WP	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	220000.00	Direct Contract	Drinking Water Cooler	Cooling capacity Ltrs/Hr: 40, Type: Storage, Storage capacity Ltrs: 80, Rate of Max Energy Consumption Watts: 575	10	22000.00
TEQIP-II/CG/CG1G02/47	Medical-I	Presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	325000.00	Shopping	Multi Channel ECG Recorder [Cardiart 6208]	Dim.-300X260X75mm; Weight:2.5kg,Display:320x240 pixels,Input Circuit:Floating type,Acquisition mode:12 leads simultaneously, A/D coverter:12bits,Measurement range: +5mVpp,Time constant>3.2secs,Frequency response:0.05Hz-150Hz, Sensivity:2.5,5,10,20	01	60000.00
												(mm/mV), Safety Std.-IEC/CF,Recorder:Thermal printer,Paper speed:5-50 mm/sec.		
											Stress Test System[Treadmil-Test Machine]	Tread Mill:250V,15A: PC communication through serial port (RS-232),Dim:1970mm(L)x700mm(W),Walking area-1500mmx500mm,Belt speed-0.8 to 16 km per hour,Inclined range: 0 to 22 %, Patient weight upto=180kg, Data Acquisition: 400 samples/sec,12 lead acquisition, CMMR-90db@50Hz,Input Impedance>100 m ohms,Signal processing:ECG 200 samples/sec,QRS detection via single lead,Display: 1024x768 Resolution,ECG diplay speed 25mm/sec,Printing:A4,25mm/sec,Sensitivity:10mm/mvV, ECG aquisition via USB, ECG Dimension:170x106X22.5mm	01	240000.00
											Visual Electronic stethoscope	portable based on piezo sensor technology,amplify sound upto 32 times,16 steps programmable volume setting,real time record, display heart rate & ECG,Heart,Lung,Heart&Lung pulse,Recharge port USB,Alarm function for SPO2 & PR.	01	25000.00
TEQIP-II/CG/CG1G02/48	Chemistry Lab-I	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	257000.00	Shopping	Automatic Carl Fischer Titrator	Calibrated 25 ml Auto Buratte, Auto drain	02	37000.00
											Microcontroller based Trtrator	Auto drain of Reaction Vessel	02	15000.00
											Ultrasonic Cleaner	LCD Digital	02	15000.00
											Boy's Gas calorimeter	Fitted with Gas Chamber	01	59000.00
											Bomb Calorimeter	China crucible , Digital Display.	02	32000.00
TEQIP-II/CG/CG1G02/49	Chemistry lab-III	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	431000.00	Shopping	Gas Chromtography	Elecronic Disply	02	143000.00
											N.M.R. Spectroscopy	High resolution magnetic force	01	145000.00
TEQIP-II/CG/CG1G02/50	Furniture-I	Not available	Goods	Furniture	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	860000.00	Shopping	Executive Desk [Staff]	Width=1650,Height=740,Depth=900	10	86000.00
TEQIP-II/CG/CG1G02/51	Furniture-2	Not available	Goods	Furniture	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	800000.00	Shopping	Conference Chair With Writing Tablet, Color: Charcoal	[Dimensions in mm] Seat Width 460 Seat Depth 420 Seat Height 440 Back Height 340 Overall Height 840	200	4000.00
TEQIP-II/CG/CG1G02/52	Furniture-3	Not available	Goods	Furniture	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	312000.00	Shopping	Office Chair ,Cushioned seat and	Width= 53.5 CM, Height= 82 CM, Depth= 59.5 CMDepth=	60	3700.00
											back with arm	59.5 CM, Seat Height= 46 CM		
											Magnetic Notice Board	Lockable aluminium display case , • Hinged door with door stays, Suitable for internal or external use, Standard Key Lock, Magnetic Surface, Size 36"H x 30"W	20	4500.00

TEQIP-II/CG/CG1G02/53	ws-1	presently not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	312600.00	Shopping	Grinding Machine (bench grinder)	Size of grind. Wheel-150x20x12.7mm Rated input power-250w Rated volt- 220/230v Rated frequency- 50/60hz	05	10000.00
											Digital Vernier Height Gauge	Range: 0.41 to 2 inch 24" With D.R.O .0001	04	7650.00
											Gas Welding Machine	single phase Frequency (hz) 50/60 Rated input(v) 1 phase AC 230 ± 15% Rated input current (A) 32.5 Duty cycle(%) 60 Weight 34(kg)	02	18000.00
											Gas Welding Machine 1	single phase Frequency (hz) 50/60 Rated input(v) 1 phase AC 220 ± 15% Rated input current (A) 37.5 Duty cycle(%) 60 Weight 35(kg)	02	32000.00
											Gas Welding Machine 2	Frequency (hz) 50/60 Rated input(v) 1 phase AC 220 ± 15% Rated input current (A) 49.3 Output current (A) 50-250 Duty cycle(%) 60 Weight 33(kg)	02	46000.00
											Sand Mixer machine	Three part pumping system. Dual resigns level. powder feeder for black iron oxide with 5 cubic foot hopper. High speed, zero retention mixer head.	02	20000.00
TEQIP-II/CG/CG1G02/54	WS-2	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	650000.00	Shopping	Master Gear Hobbing Machine	Maximum module/ D.P cut Maximum dia. Of spur - 350mm	01	650000.00
												Maximum width cut of spur gear- 250mm Maximum width cut of helical gear – 120mm Helix angle 15- 200 mm. Helix angle 30- 175 mm. Helix angle 45- 150 mm. Rapid motor- 0.36 KW Main drive motor- 1.1 KW Weight- 1500kg.(approx.)		
TEQIP-II/CG/CG1G02/55	WS-3	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	740000.00	Shopping	Master lathe	Size – 4 1/2' Length of bed in mm – 1370 mm. Height of centre – 167 mm. Admit between centres- 600mm. Width of bed – 241 mm. Spindle bore – 40mm. Lead screw – 4 TPI.	02	120000.00
											Heavy duty Shaping Machine	Model- MTT-45 Max. stroke- 500mm Max. distance table to ram- 385 mm Ram speed - 3 nos. Apprx. Weight of the M/c. – 1200kgs. Main drive motor- 2HP	02	250000.00
TEQIP-II/CG/CG1G02/56	WS-4	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	708000.00	Shopping	Master slotting machine.	Size – 6" Stroke- 150 mm Rotary table-275mm Longitudinal movement- 200mm Cross movement- 200 Cutting speed of ram per min- 64-90	01	280000.00
											Horizontal milling machine.	Model- XL 7550 CW. Table size- 800x 240(mm) T-Slot .(5x15x28)mm Longitudinal traverse- 350mm Cross traverse- 230 mm. Spindle motor- 2 hp Feed motor- 370 mm. Height- 1500mm.	01	275000.00
											Electric planer	Width of cutter: 82mm Rated voltage: 110/240V Frequency: 50/60Hz	03	51000.00
TEQIP-II/CG/CG1G02/57	WS-5	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	190900.00	Shopping	Benchvice	5x5"	10	2500.00
											Pipe Vice Hinged	4½"	05	2000.00
											Forged B.P & C.P Hammer	300gm	10	90.00
											Electric planer	Width of cutter: 82mm Rated voltage: 110/240V Frequency: 50/60Hz	03	51000.00
											Hacksaw Frame	Size 10-12"	20	100.00
TEQIP-II/CG/CG1G02/58	Lib books-I	More requiremnt	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	400000.00	Shopping	Books I & II Sem	library books	1600	250.00
TEQIP-II/CG/CG1G02/59	Lib books-II	More requirement	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	600000.00	Shopping	Electronics Books	books	400	250.00
											Electrical Books	books	400	250.00
											IT Books	books	400	250.00
											Civil Books	books	400	250.00
											Mechanical Books	books	400	250.00
											Mining Books	books	400	250.00
TEQIP-II/CG/CG1G02/60	Library cum management Information System	Not available	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	Yes	No	03/07/2012	4000000.00	Direct Contract	Library and Campus Automation Management Software Module	Web based Module, Back End Data base- Oracle or SQL Server Based, Network and Data base security, Front End-Java or ASP DOTNET or PHP Programming.	01	4000000.00
TEQIP-II/CG/CG1G02/61	Eng lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	189500.00	Shopping	Power amplifier for external speaker	RMS Power output-1000Watts, 10%THD/1350W RMS MAX, Input - 8 xmic 0.8mv/4.7kohm, 3 x100mv/50kohm, 1 x 250mv/50kohm, 1 xline1v/50kohm, Frequency	02	37000.00
												15-1500Hz±3db, tone controls bass±10db at 100 hz,treble ±10db at 100 Output - 2, 4ohm, 70V and 100V		

											Power Amplifier for outgoing and incoming sound to connect in audio signal for computer/DVD/LCD Projector and external microphone with modified circuit.	RMS Power output-160Watts. Input - 5 mic,2 . Output - 4,8 ohms &100v. Frequency - 50Hz to 500 KHz. Channel - Mono.	01	8500.00
											Digital master console	Unit for 30 Students, This is a master equipment with the instructor can control the operation of the language laboratory system.It consists :- A) Microprocessor based daling/switching panel B) Head phone with microphone. C) Independent Digital Display for request registering from each student. D) All call switch. E) Group Switch.	01	40000.00
											Desktop Microphone	Uni Directional Gooseneck Microphone. Imp. Low, Sen. 0.5 mv/pa, Frequency Response 50Hz - 15 KHz.	02	1500.00
											VHF Wireless Microphone.	Audio output-balanced 0-50mV, Freq Resp-40-15000Hz, Antenna-Telescope, power- AC220-240V for AC adoptor, Microphone-RF output power-10mW(max), Modulated mode-FM	04	2500.00
											2 way Compact classroom speaker	100V power tap 6W ,3W and 1.5W.	04	3000.00
											Audio Video Cable 15 mtrs.	Compatible USB or RS232 port in Computer and Interactive board or other computing device	01	1500.00
											VGA Cable 15 mtrs	Compatible USB or RS232 port in Computer and Interactive board or other computing device	01	1500.00
											Networking	Networking with special seperation wire to reduce the noise, 2 core shielded wire for microphone, 14/36 Twin parallel speaker wire for headphone, 14/36 twin parallel wire for low voltage power supply and 14/36 twin separate wires for open sound columns on wall.	01	10000.00
											Sound Mixing Console	Sterio atleast 9 channel,	01	17000.00
											PA microphone	with ring LED indication, Freq resp-50-16000Hz, Sensitivity-4mV/Pa, impadence- 1000 ohm, overall length- 460mm(18") power 3V-9V DC	06	2000.00
TEQIP-II/CG/CG1G02/62	Eng lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	745000.00	Shopping	Student Unit	This is apiece of equipment with which the student can hear and talk to teacher,It consists:- A) Soft	30	20000.00
												Touch call request switch. B) Head phone with high sensitive elect rate condensor Gooseneck microphone -2 nos. C) Functional indicator.		
											Speaker system	700W RMS,Freq Resp- 40-20000Hz, imp-4 ohm, SPL-103db,	02	25000.00
											Microphone stand	Floor stand, height-920-1500mm, Base-Dia-230mm,	04	1000.00
											Speaker stand	3.5 feet-6 feet, 40.0Kg, 4.7kg	04	2000.00
											Stand for microphone	10 mtrs, twin core shilded low noise cable with XLR connector & 1/4" phone plug, Cell housing for 2x1.5V pencil cells, on/off switch. Low noise.	06	1000.00
											Mixer	Mic input-2kohm, 62db, Line input-20kohm balanced/42db, Tone Control-Bass-±12db at 100Hz,Freq Resp-30Hz-20KHz, Line output-Lo-10dbm/+2dbm (200mV/1V)	01	10000.00
											Collar VHF Wireless Microphone.	Audio output-balanced 0-50mV, Freq Resp-40-15000Hz, Antenna-Telescope, power- AC220-240V for AC adoptor, Microphone-RF output power-10mW(max), Modulated mode-FM	02	2500.00
											Woofer Speaker	650W RMS,Freq Resp- 32-250Hz, imp-8 ohm,SPL-99db,	02	25000.00
											Wall Speaker	30W RMS,Freq Resp- 80-20000Hz, imp-8 ohm,	04	3000.00
TEQIP-II/CG/CG1G02/63	IT Laptop and desktop	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	2625000.00	NCB	Desktop	i3, 500GB HD, 2GB RAM, Pre loded OS Windows7, 500GB HDD.	60	30000.00
											Laptop	i7,500HD, 4GB RAM, 2GB Graphics	15	55000.00
TEQIP-II/CG/CG1G02/65	Mech EM lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	250260.00	Shopping	UNIVERSAL FORCE TABLE	Comprising of a equal circular 40 cm, dia aluminum disc, graduated into 360 divisions (degree) and five sets of iron nickelled slotted weights, each set containing nine weights and one hanger of 50 gm	02	11700.00
											PARALELOGRAM LAW OF FORCES	Wooden board of 50x60 cm with wall brackets, two frictionless clamp pulleys, and three set of slotted weights of iron nickelled.	02	1430.00

											BELL CRANK LEVER (with Weight)	teak wooden right angled lever with fulcrum at the angle, the horizontal arm is of 75 cm and vertical arm is of 20 cm, lever arm is with scale and grooved at every 5 cm complete with one sliding weight of 1 Kg.	02	3000.00
											SIMPLY SUPPORTED BEAM	Beam of span 1.0 m consisting of two compression thrust type 10 Kg tubular spring balances fixed on wooden polished board, a wooden bar with steel back plate.	02	1700.00
											FRICITION SLIDE APPARATUS	It consists of a 15x 60 cm wooden board a with glass top hinged on an iron base to which a sector with graduated arc and vertical scale is provided. The plane may be clamped at any angle.	02	1800.00
											VALVE TIMING DIAGRAM	With carburetor, spark plug, valve mechanism etc, complete with all salient parts sectioned for study of the various components and their functions and to plot valve-timing diagram on the single cylinder four-stroke petrol engine.	01	56000.00
											Single Cylinder Air Cooled 2 stroke Petrol Engine Test Rig with Mechanical Brake	Single Cylinder Air Cooled 2 stroke Petrol Engine of 2.5hp @ 2800 RPM	01	155000.00
TEQIP-II/CG/CG1G02/66	Mech ICE Lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	428000.00	Shopping	Single Cylinder Water Cooled 4 stroke Slow speed Diesel Engine Test Rig	Single Cylinder Water Cooled 4 stroke Slow speed Diesel Engine of 6hp @650 RPM	01	176000.00
											Single Cylinder Single stage Air Compressor	Single Cylinder Single stage Air Compressor with a displacement capacity of 150 RPM and to work against a max pressure of 8kg/cm ²	01	135000.00
											CLOSED CIRCUIT CALIBRATION TEST RIG FOR MEASURING DISCHARGE THROUGH ROTAMETER	Two Rota meters of size 20mm & 25mm, Measuring Tank for M.S. Powder Coating/M.S.FRP Lining/S.S. Unit Measuring Tank of suitable size provided with overflow arrangement and a drain Valve, Sump Tank for M.S. Powder Coating /MS.FRP Lining/SS. Unit of suitable size for suitable to store sufficient water, Switch & Starter for Single phase main switch.	01	62000.00
											WATER METER TEST RIG	Pump set of 0.5 HP, 1Ph, Sump tank for 1000 x 300 x 400 mm, Collecting Tank for 300 x 300 x 400 mm, Flow meter of turbine type flow meter 1" x 1" Piezometer of graduated glass tube (graduation in cm)	01	55000.00
TEQIP-II/CG/CG1G02/67	Mech FM Lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	244000.00	Shopping	PITOT TUBE APPARATUS	Sump Tank 1.0x0.3x0.4m (LBH), Collecting Tank of 0.3 x 0.3 x 0.4m Pump 0.5 HP Pump set	01	60000.00
											Emissivity measurement Apparatus	a. Diameter :150 b. Material :Brass c. Heater :250W	01	42000.00
											Heat Transfer lab Equipments in Natural Convection	S.S. Cylindrical Tube a. Diameter :40mm b. Length :400/500mm	01	44000.00
											Heat Transfer lab Equipments in Forced Convection	Blower a. Capacity :350 watts/1.5 cumts/m Test Section a. Diameter :40mm b. Length :300mm Cooling Water Chamber a. Diameter :50 mm b. Length :300mm (Approx.)	01	48000.00
											Thermal Conductivity by Guarded Hot Plate	a. Main Heater Plate : b. Diameter : 90mm c. Material : Brass d. Ring Heater Diameter : 100ID/150 OD mm e. Material : MICA f. Ring Heater Plate g. Diameter : 100 ID/150 mm OD h. Material : Brass i. Asbestos plate :150OD/12 mm thick j. Cooling jacket k. Diameter :150OD l. Material : Brass m. Size :123mm thick	01	50000.00
TEQIP-II/CG/CG1G02/68	Mech Fluid Lab-IV	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	321000.00	Shopping	Thermal Conductivity of metal rod	Specimen Shell: 200mm dia, 5mm thick, 1m long MS pipe Tubes: ½" dia, 1020mm long Copper or seamless MS tubes	01	46000.00
											Strain Gauge Transducer	Piezo resistive transducer for strain measurement. Micrometer 0-20mm (Accuracy 0.01mm) for strain generation	01	42000.00
											Displacement Sensing Transducer	Micrometer 0-20mm (Accuracy 0.01mm) precision phase sensitive rectifier Measurement frequency of 1 KHz sine	01	89000.00
											Speed Sensing Transducer	12V DC motor with speed varying from 0-4000rpm & rotating Slotted wheel having 8 slots,	01	98000.00
											Temperature Sensing Transducer	Instrumentation Amplifier to amplify thermocouple signals Built in heat bar/mini oven driven by Power Amplifier of sufficient wattage.	01	46000.00
												Temp. ion upto 95 degree C in 5 ranges		
TEQIP-II/CG/CG1G02/69	Mech HMT Lab	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	825000.00	Shopping	Closed circuit Kaplan Turbine Test Rig	Type : Axial Flow Reaction Turbine Capacity : 5 HP Rated Speed : 1500RPM Discharge Capacity : 4500 Liters/Minute Supply Head : 7 Meters	01	550000.00
											Closed circuit Francis Turbine Test Rig	Type : Inward Flow Reaction Turbine Capacity : 5 HP Rated Speed : 1250 RPM Discharge Capacity : 1800 Liters/Minute Supply Head : 25 Meters	01	275000.00

TEQIP-II/CG/CG1G02/70	Mech Hydraulic Lab-I	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	547000.00	Shopping	Closed circuit Axial Flow pump Test Rig	Axial Flow Pump to Discharge About 150LPM Motor : 3HP, Three phase	01	295000.00
											Closed circuit Centrifugal pump Test Rig	Pump : A Centrifugal pump of size 40mm to discharge about 250LPM at 15 total head. Motor : 3Hp, 2880 RPM	01	65000.00
											Hydraulic Ram test Rig	Hydraulic Ram of size 50 x 15m to work against a delivery head up to 20m from a supply head of 2.5metres to discharge about 250LPH at 10m head	01	125000.00
											UNIVERSAL GOVERNOR APPARATUS	Apparatus with appropriate specification to perform following : a) The effect of varying mass of the center sleeve. b) The effect of varying the rotating mass. c) Determination of characteristic curves of sleeve position against speed of rotation. The effect of varying the initial spring compression.	01	62000.00
TEQIP-II/CG/CG1G02/71	Mech Turbine Lab-II	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	258000.00	Shopping	SCOTCH YOKE MECHANISM	Model of suitable size explaining scotch yoke mechanism	01	2000.00
											CAM & FOLLOWER MODEL WITH RECIPROCATING KNIFE EDGE FOLLOWER	Model of suitable size explaining reciprocating knife edge follower motion	01	16000.00
											IMPACT TESTING MACHINE	Pendulum angle 140°- 85° 21, Impact energy 30 kgm (300J) - 16.4kgm (164J), Distance of axis of hammer rotation and centre of test piece/pint of test piece hit by hammer = 185mm,	01	92000.00
											ROCKWELL HARDNESS TESTER	Two additional weight of 187.5 kg and 250kg for Brinell tests on this machine small pin having dia 2mm can be tested as plunger is guided with a set of six bearings.	01	74000.00
											BRINELL HARDNESS TESTER	Max load (kgf) -3000, Load range (kgf) In stage of- 250 kgf, Initial Load range (kgf) -250 Max., test height (mm) -410 ,Depth of throat (mm) -200 ,Size of base (mm)- 670 x 370, Machine height (mm)- 1127 mm, Nett. weight (Approx. Kg)- 450 kg	01	74000.00
TEQIP-II/CG/CG1G02/72	Mech Mechanics Lab	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	330000.00	Shopping	UNIVERSAL SPRING TESTING MACHINE	Capacity : Upto 3000 kN, Minimum Strain Rate 0.01 mm per Minute to 100 mm/Minute	01	115000.00
											FATIGUE TESTING MACHINE	Maximum bending moment kg cm 200, Gripping dia of specimen mm 12	01	172000.00
											CAM & FOLLOWER MODEL WITH RECIPROCATING KNIFE EDGE FOLLOWER	Model of suitable size explaining reciprocating knife edge follower motion	02	16000.00
											CAM & FOLLOWER MODEL WITH TRANSLATING FOLLOWER	Model of suitable size explaining translating follower motion	01	11000.00
TEQIP-II/CG/CG1G02/73	CCTV System	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	360000.00	Shopping	CCTV Camera System	DVR-4TB, Power Supply, Connector, Adoptor, BNC Cable, Whether Proof CC Camra	09	40000.00
TEQIP-II/CG/CG1G02/74	Generter set	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	Yes	03/07/2012	325000.00	Direct Contract	Diesel Generating Sets	Manual Control Panel. No.of Phases: Three,Type of Engine Cooling: Water,Rated Voltage(in Volts): 415,Rated Capacity(in KVA): 20	01	325000.00
TEQIP-II/CG/CG1G02/75	EE-MC LAB-I	Not Available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	181000.00	Shopping	Auto transformer	Portable with enclosure, air cooled, continuously variable voltage auto transformer, 415V, 15A, 3F-4 wire, output voltage 0-470V	01	46000.00
											3-F Auto transformer	Portable with enclosure, air cooled, continuously variable voltage auto transformer, 415V, 15A, 3F-4 wire, output voltage 0-470V	05	27000.00
TEQIP-II/CG/CG1G02/76	EE-AE LAB-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	520000.00	Shopping	DC Regulated Power Supply	2x0-30V/3A, Dual Tracking Switchable, 3 digit seven segment LED for voltage and current display, Mains Supply: 230VAC, 50 Hz	30	13000.00
											Function Generator	Sine, square, Triangle, ± Ramp, ± Pulse, Invert Ramp, Invert Pulse, TTL DC Free Running with or without DC offset, 0 . 3Hz-3MHz, digital LCD display for frequency & amplitude read out, Auto-ranging frequency counter	10	13000.00
TEQIP-II/CG/CG1G02/77	EE-MC LAB-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	53900.00	Shopping	Study of 3-F to 2-F Scott connection	415V AC at 50 Hz, Three Phase 4 Pole MCB, Single Phase Transformer, two (one main and one teaser), two Digital Voltmeters A.C. : 0-200V and 0-1000V, digital Ammeter A.C : 0-2Amp, mains ON/OFF switch	01	11900.00

											Measurement of Power & P.F of L-R kit	Mains transformer having tapings at 10V, 20V, 30V and 40V $\pm 10\%$ AC at 500mA provided on terminals, A.C. Ammeter to read 0-500mA, Three A.C. Voltmeters to read 0-50V A.C., Wire-wound resistor 100W, 20W, Inductor 200mH at 500mA rated current, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	04	10500.00
TEQIP-II/CG/CG1G02/78	EE-MC LAB-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	291000.00	Shopping	Three Phase Transformer	Mains Supply : 415 V $\pm 10\%$, 50Hz, Three Phase, six terminals on primary and six terminals on secondary side, Power Rating : 1KVA, Primary Voltage : 415V, Secondary Voltage : 230V, Rated Current : 4Amp	01	25000.00
											Three Phase Synchronous Machine coupled with DC shunt motor	Three Phase, 415 V $\pm 10\%$, 50 Hz, 2 Nos. machines, Both the Machines are flexibly coupled and mounted on a M.S. channel base, Three Phase Synchronous Motor with four output terminals for star connected stator winding and two output terminals for field winding, Type : Salient Pole Motor, Current type : AC, Rating : 3 HP, Excitation Voltage : 120 V, Voltage rating : 415 V $\pm 10\%$, DC Machine, Type : DC Shunt, Rating : 2 HP, Voltage Rating : 200 V, RPM : 1500 (no load)	02	125000.00
											Single Phase Multi Function Meter	7 Electrical Parameters on display: Voltage, Current, Active Power, Apparent Power, Reactive Power, Frequency, Power factor, Microcontroller based Accurate & Reliable	02	8000.00
												design, CT is used as current transducer, 4 - Digit Seven Segment Display		
TEQIP-II/CG/CG1G02/80	EE-AE LAB-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	28700.00	Shopping	To design a monostable multivibrator using IC 555 timer	$\pm 10V$ D.C. at 100mA, IC regulated power supply internally connected, 1 KHz Square Wave Generator, IC 555, Adequate no of other electronic components, Mains ON/OFF switch, Fuse and Jewel light, Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	01	4200.00
											Class A, B, C & AB amplifire	$\pm 12V$ D.C. at 100mA IC regulated power supply internally connected, NPN Transistor, Built in 1KHz sine wave osc. having output 1.5Vpp, Two potentiometers to control +Ve & -Ve voltages, Adequate no. of other electronic components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	02	3000.00
											Measurement of parameter of an OP-AMP	$\pm 12V$ D.C. at 100mA, IC regulated power supply, OP-AMP IC, DPM 20 V, DPM 20 mA, Adequate no. of other electronic components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	01	7500.00
											OP-AMP differentiator & integrator	$\pm 15V$ D.C. at 100mA, IC regulated power supply, OP-AMP IC, Square Wave Generator of 1 KHz, using IC, Adequate no. of other electronic components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	02	4500.00
											Cascode amplifier	$\pm 12V$ DC at 50 mA, IC regulated power supply internally connected, Two NPN transistors, Adequate no. of other electronic components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	01	2000.00
TEQIP-II/CG/CG1G02/81	EE-PE LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	95700.00	Shopping	Application of UJT as relaxation oscillator	An isolation transformer 230V A.C. at 100mA, 20V D.C. at 100mA, regulated power supply internally connected, Bridge rectifier and zener regulator, Potentiometer for frequency control, Two band switches for ing different value of resistance and capacitance, Pulse transformer 1:1:1, UJT under experiment, Adequate no. of other Electronic Components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	01	6000.00
											RC triggering scheme of SCR	35V A.C. at 100mA A.C. Power Supply, Bridge rectifier for making D.C. voltage, Two Silicon controlled rectifier (SCR), Uni junction Transistor, Pulse transformer 1:1, Two potentiometer for varying load, Two potentiometer for	01	6000.00
												controlling SCR and UJT firing angle, Adequate no. of other Electronic Components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.		
											Voltage commutation	$\pm 12V$ D.C. at 100mA and 5V D.C. at 100mA IC regulated power supply internally connected, D.C. voltage, UJT as relaxation oscillator, Op-Amp. IC, Timer IC, Hex Inverter Gate IC, Two SCR's, Two pulse transformer 1:1:1, Two NPN transistor, Two SPST switch, Push-To-On switch, Freewheeling diode, Inductors, Bulb 12V, 6W, Adequate no. of other Electronic Components, Mains Supply 230V $\pm 10\%$ at 50Hz A.C.	01	4800.00

											Current commutation	±12V D.C. at 100mA and 5V D.C. at 100mA IC regulated power supply internally connected, D.C. voltage, UJT as relaxation oscillator, Op-Amp. IC, Timer IC, Hex Inverter Gate IC, Two SCR's, Two pulse transformer 1:1, Two NPN transformer, Inductors, Two potentiometer for frequency voltage ADJ, Mains Supply 230V ±10% at 50Hz A.C.	01	6600.00
											Diac characteristic	0-50V D.C. at 50mA, regulated power supply, 45V A.C. at 50mA, unregulated power supply, D.C. Voltmeter to read 0-50V D.C. D.C. Ammeter with ranges of 200mA and 50mA, DIAC, Potentiometer and adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C.	01	6000.00
											Triac characteristic	0-70V D.C. at 100mA and 0-3V D.C. at 30 mA, regulated power supply, 55 Volt at 100mA, fixed A.C. Supply, 7 Volt at 30mA, D.C. Ammeter with ranges of 10mA and 100mA, D.C. ammeter 0-30mA, D.C. Voltmeter with ranges of 5V and 100V, TRIAC, Three Potentiometers, Reset switch, Adequate no. of other electronic components, Mains Supply 230V ±10% at 50Hz A.C. at 50Hz A.C. Mains	01	7500.00
											3-F full control rectifier	Three pole power contractors with AC coil complete with Push-to-ON switch, Four pole Miniature Circuit Breaker (MCB), Three separate identical cards consisting of Zero Crossing Detector, Integrator, Comparator and Pulse Generator one for each phase, for controlling the triggering angles of the positive group of three thyristors. Another card for controlling the triggering angles of the negative group of three thyristors, Firing angle control potentiometer, Three 415 : 6 V Transformers AC supply for Triggering, Three 415 : 50 V at 1 Amp Transformer for rectification, ± 12V at 500mA and 5V at 500mA, IC regulated power supply for Triggering Circuits, Six nos. Driver Circuits with Pulse	01	24000.00
												Transformers, High Frequency Gated Dual Gate Firing 6 nos, R and L load with Load voltage divider, Two 3½ digital panel meter for measurement of voltage and current, One freewheel diode, Unearthed mains sockets for CRO, Mains Supply 230V ±10% at 50Hz A.C.		
											Half Controlled 3-F full wave rectifier	Three Phase line commuted half-controlled thyristorized bridge converter, Three pole power contractor with AC coil complete with Push-to-ON switch, Four pole MCB, Three separate identical cards consisting of Zero Crossing Detector, Integrator, Comparator and Pulse Generator one for each phase, for controlling the triggering angles of the positive group of three thyristors, Firing angle control potentiometer, Three 415 : 6V transformers AC supply for Triggering, Three 415 : 50V at 1 Amp transformers for rectifications, ± 12V & +5V DC at 500mA, IC Regulator Power Supply for Triggering Circuits, Three nos. Driver Circuits with Pulse Transformers, High Frequency Gated Dual Gate Firing 3 nos., R and L load with Load voltage divider, Two 3½ digital panel meter (DPM) for measurement of voltage and current, One freewheel diode, Unearthed mains sockets for CRO, Adequate no. of other Electronic Components, The jewel light in Red, Blue & Yellow colour, Mains Supply 230V ±10% at 50Hz A.C.	01	23000.00
											Fan regulator using diac & triac with power supply	Isolation Transformer 230V A.C., Power 70 watt, Diac, Triac, Potentiometer to control the speed of Motor / Fan., A universal motor of 1/12 H.P, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	6000.00
											Light Dimmer using diac & triac with power supply	An Isolation Transformer having output 230V AC at 200mA, Triac, Diac, Lamp load, Potentiometer to control intensity of Lamp, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	5800.00
TEQIP-II/CG/CG1G02/82	EE-PE LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	73000.00	Shopping	Bedford and Parallel Inverter	Triangular comparator circuit, Variable frequency and PWM, Frequency - 30 Hz to 900 Hz, SCR assembly : 4 SCRs, 400 V/2 A, Pulse transformer 1:1:1, Mains Supply : 220V, 50 Hz	01	10000.00
											Single Phase Bridge Inverter	Ramp Comparator Method, SCR Assembly : SCR 400V/2A, DC Power Supply : +12V,-12V, +5V; 0.5A, Power Supply : 220V, 50 Hz	01	13500.00
											MOSFET, IGBT, Transistor & SCR based Step Down Chopper	Triangular Comparator Circuit, Frequency Variation : 27 Hz to 5 KHz (approx.), PWM Variation : 0-90%, DC Geared	01	12000.00

TEQIP-II/CG/CG1G02/85	EE-EI LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	53000.00	Shopping	Study of LVDT	Measurement Range : 20 mm (±10 mm), Excitation Frequency : 4 KHz (approximately), Excitation Voltage : 4 V (approximately) PP Sensitivity : 10 mV DC/ mm, Linear Range : Full Scale, Signal conditioner output : 0.1 V DC or Maximum Displacement, 3½ Digit LED with Polarity Indicator, Micrometer Scale : 25 mm Micrometer Least count: 0.01 mm, Test points: 8, Mains Supply : 230 V ±10 %, 50 Hz,	01	13000.00
											Strain Gauge Trainer	Strain Gauge (350W) : 4 nos., Gauge factor : 2.1, Maximum weight : 500 gm, Cantilever material : Stainless Steel, Cantilever width : 2.5 cm, Cantilever thickness : 0.16 cm, Cantilever length : 20 cm, Bridge Voltage : +8 V DC, Bridge configuration : Full Bridge, Display : 3½ Digit LED Test points: 8 nos., Power Supply: 230 V ±10 %, 50 Hz, Standard Weights	01	13000.00
											Pressure Transducer Explorer	Pressure Transducer : 0 to 100 psi, Differential input, Pressure Gauge : 0 to 100 psi, Pressure Vessel : 0 to 100 psi, Safety Valve : 0 to 100 psi Hoses : 1.5 m, Foot Pump : 0 to 150 psi, V-I Specification : 0 to 5 VDC input, 4 to 20 mA Output, Buzzer Indicator : 5 V DC, LED Indicator : 5 V DC, Digital Voltmeter : 0 to 10 V, Test points : 18, Power Supply : 220V, 50 Hz	01	27000.00
TEQIP-II/CG/CG1G02/86	EE-EI LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	14200.00	Shopping	To demonstrate the operation of D/A converter	+5V D.C. at 250mA, IC regulated power supply internally connected, +10V D.C. at 50mA, power supply internally connected, -10V D.C. at 50mA, power supply internally connected, D.C. Voltmeter to read 0-5V, Four, D-type Flip-Flops, Four Level Amplifiers, Continuous monitoring of analog signals on a voltmeter, Four switches for giving binary logic input states, Four LEDs for visual indication of binary logic input status, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	5000.00
											To demonstrate the operation of A/D converter	+ 5V D.C. at 250mA, IC regulated power supply internally connected, - 5V D.C. at 50mA, IC regulated power supply internally connected, + 10V D.C. at 50mA, IC regulated power supply internally connected, 0-15V D.C. at 50mA, continuously variable Power Supply, D.C. Voltmeter to read 0-15V, Voltage comparator, Quad 2-input NAND gate, Quad 2-input NOR gate, Quad 2-input AND gate, Dual 4-input AND gate, Quad 2-input EX-OR gate, Three, Hex Buffer/Driver, BCD-to-7 Segment Decoder/Driver, Dual J-K Flip-Flop, 4-Bit Binary Ripple Counter, Timer, Continuous monitoring of analog signals on a voltmeter and of digital signals on 7 segment display, Seven LEDs to display the state of various important points, Two seven segment displays for visual indication of output status, Provision for manual pulses as well as for internal clock, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	5600.00
											Measurement of temperature using photo transistor demonstration set-up	± 12V D.C. at 150mA, IC regulated power supply internally connected, + 12V A.C. at 50mA, Supply with light intensity control, 12V lamp with lamp holder., Photo Transistor, 12V D.C. relay 1 green & 1 red LED, Adequate no. of Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	3600.00
TEQIP-II/CG/CG1G02/87	EE-DE LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	7100.00	Shopping	Verification of the Boolean expansion	+5V D.C. at 100mA, IC Regulated Power Supply, Four NOT gates, Three, 3-input AND gates, Three, 3-input OR gates, Three switches for giving binary logic input states, Two LEDs, driven by LED driver circuit for indication of output, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	4400.00
											To convert decimal to binary using 4 input NAND gates (Encoder)	+5V D.C. at 100mA, IC Regulated Power Supply internally connected, Four, 2-input NAND gates, One driver circuit to drive LEDs, Nine switches to enter the decimal data, LEDs for indication of BCD output conditions, Adequate no. of other Electronic Components, Mains Supply 230V ±10% at 50Hz A.C.	01	2700.00
TEQIP-II/CG/CG1G02/88	EE-DE LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	13700.00	Shopping	4 bit up/down synchronous Counter Trainer	DC Power Supply : +5 V DC, Logic levels +5 V : High (Logic 1), 0 V : Low (Logic 0) LED Indication for logics 1.0	01	7200.00
											BCD Adder and Subtractor	DC Power Supply : +5 V, Logic levels +5V : High (Logic 1), 0V : Low (Logic 0), LED Indication for logics 1.0	01	6500.00

TEQIP-II/CG/CG1G02/89	EE-EMMI LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	23000.00	Shopping	Kelvin's Bridge Trainer	DC Power supply : +5V, Galvanometer Deflection : 30-0-30, Unknown Resistors : 0.3 O, 0.4 O, 0.8 O, Mains supply : 230 V ±10%, 50 Hz	01	7200.00
											Hay's Bridge Trainer	DC Power Supply : +12 V, -12 V, Sine wave generator, Frequency : 1 KHz to 10 KHz ±10%, Amplitude : 0 to 5 Vpp, Speaker : 8 ?, Unknown Inductors : 65 mH ± 10% with 65 ? ±10% of resistance, 100 mH ± 5% with 174 ? ± 5% of resistance, 130 mH ± 10% with 130 ? ± 10 %, Mains supply : 230 V ±10%, 50 Hz	01	7800.00
											Maxwell's Bridge Trainer	DC Power supply : +12V, -12V, Sine wave generator, Frequency : 1 KHz, Amplitude : 20 Vpp Max, Speaker : 8 ohm, Unknown Inductors : 12 µH, 1.2µH, 4.7 µH, 10 mH, 20mH, 30 mH, Unknown Internal Resistance : 470, 10, 20, 30 ?, Mains supply : 230 V ±10%, 50 Hz	01	8000.00
TEQIP-II/CG/CG1G02/90	EE-MP LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	158000.00	Shopping	Advanced 8085 Microprocessor Trainer	Operating Frequency : 6.144 MHz, ROM : 8 K, RAM : 8 K, Input : ASCII Keyboard, Display : 20 X 2 LCD, Mains supply : 230 V AC,50 Hz	10	15800.00
TEQIP-II/CG/CG1G02/91	EE-CS LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	21000.00	Shopping	PID Controller	Proportional Band : 5% to 55%, Integrator : 1 msec to 11 msec, ON/OFF controller : ON = 12 V, OFF = -12 V, Square Wave & Triangular Wave, Generator of 0 -156 Hz, Two Variable DC +6 V,+10 V, Power Supply : 220V, 50 Hz	02	10500.00
TEQIP-II/CG/CG1G02/92	EE-Network LAB -I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	98000.00	Shopping	Transient Analysis of RLC Circuit	transient response of a series RLC circuit with TTL for under damped, critically damped and over damped cases, Mains Supply : 230 V ±10%, 50 Hz	03	6000.00
											Transmission Line Training System	Mains Supply : 230 V ±10%, 50 Hz, Single Phase Variac, Input : 230 V, Output : 0-270 V, Current : 0-5 Amp, Display Measurement: Voltage : = 25 V, Current : = 0.2 A, Active Power : = 20 W = 2000 W, Reactive Power : = 20 VAR = 2000 VAR, Apparent Power : =20 VA = 2000 VA, Loads Resistor : 700 ?/ 100 W, Inductor : 800 mH/ 0.5A, Capacitor : 12.5 µF/ 450 V	01	80000.00
TEQIP-II/CG/CG1G02/93	EE-HV LAB -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	50000.00	Shopping	5KV, AC/DC HV Tester	AC Output voltage/ DC output Voltage – 5 KV, Accuracy ±1%, Body protection function, fast discharge & Arc detection function, LCD display, RS232C, remote I/O, . Supply: 230VAC	01	50000.00
TEQIP-II/CG/CG1G02/94	EE-PSPS LAB –II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	231000.00	Shopping	Electro-Mechanical Under Voltage Relay (IDMT) test kit	P.T. SEC: 110VAC, Plug setting: 50 - 90% adjustable in five equal steps at 10%, TIME MULTIPLIER SETTING: 0.1 – 1, Under voltage relay, output: 0.5 second 7500VA with maximum of 30 amps. and 660 volts, ac or dc, Characteristics : 0 - 5.0 seconds at zero voltage, Time/voltage characteristic at time multiplier setting 1.0, Resetting voltage : 90% or more of the voltage setting, Construction : Draw out, Accuracy: The operating value conforms to error class index E 5.0 as per BS 142 and 5.0	01	58000.00
												as per IS 3231 at the voltage setting, The operating time at time multiplier setting 1.0 conforms to the time/ voltage characteristic subject to a tolerance of ±7.5% at zero voltage, The relay meets the requirements of IS 3231/IEC 255-5 Series C - 2 kV for 1 minute		
											Solid State Negative phase Sequence Current Relay test kit(DMT)	C.T. SEC : 1A OR 5A, Negative Phase sequence current I2s = 10% or 20% or 30%, DMT: 3, 6 & 9 sec. Negative Seq. Relay, output : 0.5 second 7500VA with maximum of 30 amps. and 660 volts, ac or dc, Resetting voltage : 90% or more of the voltage setting, Construction : Draw out, Reference conditions: Ambient temperature: 27 C ±2 C, Frequency: 50 Hz. –0.5%, ilary voltage: Rated value, Accuracy under reference conditions: Pick-up error: ±10%, Time error at all settings: ±10%C.T. SEC : 1A OR 5A, Negative Phase sequence current I2s = 10% or 20% or 30%, DMT: 3, 6C.T. SEC : 1A OR 5A, Negative Phase sequence current I2s = 10% or 20% or 30%, DMT: 3, 6	01	57000.00

											Static Over Current Relay (IDMT) test kit	C.T.SEC: 1A OR 5A, non directional, Plug setting: 40-320% in 5% steps 50 – 200%, Time multiplier setting 0.1 – 1, output: 5A, 7500VA with maximum of 30 amps. and 660 volts, ac or dc, Characteristics : 3sec-10times, ilary supply : Self powered, Accuracy Time multiplier: On settings 0.1 to 1, ± 2% or 30 ms whichever is greater, Ambient temperature range : 10 C to +55 C, Setting current : – 5%, Time characteristics : 5%, Frequency range : 47-52 Hz, Setting current : ± 1%, Operating time : ± 2% or 30 ms whichever is greater, DC ilary voltage: Variations over the ranges of operative voltage. Setting current : – 1%, Operating time : – 2% or 30 ms whichever is greater	01	58000.00
											Solid State Under Voltage Relay (IDMT) test kit .	P.T. SEC : 110VAC, Plug setting: 30% - 90% adjustable in 11steps, Time multiplier setting : 0.07 – 1, output 7500VA	01	58000.00
												with maximum of 30 amps. and 660 volts, ac or dc, Characteristics : 0 - 5.0 seconds at zero voltage, Time/voltage characteristic at time multiplier setting 1.0, ilary supply : powered Resetting voltage : 105% of set value, Pickup : 90% of set value, Accuracy the operating value conforms to error class index E 5.0 as per BS 142 and 5.0 as per IS 3231 at the voltage setting, The operating time at time multiplier setting 1.0 to a tolerance of ±7.5% at zero voltage, The relay meets the requirements of IS 3231/IEC 255-5 Series C - 2 kV for 1 minute		
TEQIP-II/CG/CG1G02/95	IT Cam	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	100000.00	Shopping	Digital SLR Cameras	Model Type: Single-lens reflex ,Resolution:36.3 megapixels	01	100000.00
TEQIP-II/CG/CG1G02/96	IT Firewall	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	490000.00	Shopping	INTERNET FIREWALL	250 Users,IEEE Draft 802.11n+ Up to 300Mbps2	01	422500.00
											ANTIVIRUS FOR FIREWALL 1 YEAR VAILIDTY	DFL-IEEE Draft 802.11n Wireless + Up to 300Mbps2	01	67500.00
TEQIP-II/CG/CG1G02/97	IT Fibre-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	420000.00	Shopping	INTRUSION DETECTION PREVENTION 1 YEAR VALIDITY	DFL-IEEE Draft 802.11n Wireless + Up to 300Mbps2	01	67500.00
											WEB CONTENT FILTERING 1 YEAR VALIDITY	DFL-IEEE Draft 802.11n Wireless + Up to 300Mbps2	01	67500.00
											SINGLE MODE Um Fiber Optic Cable	12 Core,8/25 cable single mode.	3000	95.00
TEQIP-II/CG/CG1G02/98	IT Fibre Switch-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	234000.00	Shopping	MANAGED L2 SWITCH	DGS-Layer-2 SNMP managed switch with IPv6 enabled hardened operating system.IPv6 feature support and advanced Layer-3 features including concurrent IPv4/IPv6 support, QoS and ACL filtering.atleast 2 stacking slots with 40Gbps bi-directional stacking bandwidth.support at least 4000 active VLAN groups, and 16000 MAC address table.remote administration and management support over HTTP, HTTPS, SSH and SNMP protocols.IPv6 feature support and advanced Layer-3 features including concurrent IPv4/IPv6 routing, BGP, QoS and ACL filtering.atleast 2 expansion slots for future 10GE upgradation.at least 2000 virtual layer-3 interfaces, 4000	06	39000.00
												active VLAN groups, and 16000 MAC address table.remote administration and management support over HTTP, HTTPS, SSH and SNMP protocols.		
TEQIP-II/CG/CG1G02/99	IT Rac	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	91500.00	Shopping	OFC TERMINATION	These OFC Termination Box is used in terminating the Optical Fibre Cable from the field and connecting it to the pigtails by splicing. The other end of the pigtail having the optical connector is terminated inside the Fibre Distribution Frame,Attenuation at 1550nm: £ 0.25dB/KM	30	1800.00
											COMMUNICATION RACK WITH ACCESSORIES	Wall mount Rack, 12U, 600mm(W), 800mm(D) consisting of the following accessories,1 x Front Glass Door, 600mm(W), with Lock.1 x FAN-90CFM-230vAC	05	7500.00
TEQIP-II/CG/CG1G02/100	IT Fibre Com rac	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	133000.00	Shopping	PIGTAIL 1 Mtr	SC SINGLE MODE,Strength Member: Aramid Yam,Color coding: Yellow color for SM	24	700.00
											PATCH CHORD 3 Mtrs DUPLEXED	SC-SC SINGLE MODE,Performance should exceed EIA/TIA 568 B.2-1 Category 6 specifications,Plastic body ABS, UL 94V-0 or equivalent,ion Loss: 0.1dB typical, 0.3dB Max.,Color coding: Yellow color for SM	16	2575.00
											COMMUNICATION RACK WITH ACCESSORIES	42 U,1 x FAN-90CFM-230vAC 1 x Cantilever Shelf, 1U/255mm(D) 1 x PDU, 6 x 5A Sockets, 1 x 5A Fuse, with Indicator 1 x Cable Manager, 1U, with PVC Loops	01	75000.00

TEQIP-II/CG/CG1G02/101	Elex analog-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	217000.00	Shopping	Universal IC Tester	Analog cum Digital IC tester, upto 40 pin supported. Small, portable, light, and power-saving design, Display: 16	02	40000.00
											Linear Integrated circuit Trainer	+12V/500mA (fixed and with facility to vary from 0 to +12 V), One 12V/1 C.O. relay with terminations,	03	15000.00
											Study/Design of Active filter	Calculation of the low-pass 3rd order filter, Calculation of the high-pass 3rd order filters, Calculation of the 6th order band pass filters	02	13000.00
											Sample & Hold circuit	230 V AC, 50Hz, Frequency rang 2Khz to 32 Khz. Pulse width-variable.	02	20000.00
											Study/Design of passive filter	Calculation of the low-pass 3rd order filter, Calculation of the high-pass 3rd order filters, Measurement of the transmission and phase characteristics of the passive low-pass.	02	13000.00
TEQIP-II/CG/CG1G02/102	Elix Microprocessor Lab	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	270000.00	Shopping	8086 Microprocessor Trainer kit with LCD display & 101 ASCII keyboard	It contains all the minimal peripherals with a detachable hex key pad /display PCB. easy-to-use, entry level, 8086 based Microprocessor Advanced trainer kit.	30	9000.00
TEQIP-II/CG/CG1G02/103	Elex Digital	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	102000.00	Shopping	Digital trainer kit	10 logic level inputs & 10 LED for output indication.	02	14000.00
											Logic Gates Circuit Trainer	Built in power supply, DC supply \pm 12V	02	15000.00
											Up down counter kit	Built in power supply DC 12 v	02	8000.00
											BCD Counter kit using chip 7490	Built in power supply. DC 12 v	02	8000.00
											Flip flop trainer kit	5 or 12 V DC supply.	01	12000.00
TEQIP-II/CG/CG1G02/104	Elix Project Lab	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	86000.00	Shopping	Wireless comm.. GSM/gprs module sim 900s	E-GSM/GPRS 900/1800 dual band module, Full GSM or GSM/GPRS software stack, Hardware GPRS Class 2 capable	01	20000.00
											AMR system wireless comm. Module	1.5W, up to 10-20km2.433/450-470MHz 3.RS232/RS485/TTL 4.1200/2400/4800/9600/19200/38400bps	01	23000.00
											RF data transmitter and receiver	Transmitter L: 2-3/8" W: 2" H: 7/8" Receiver L: 2-3/8" W: 1-7/8" H: 7/8" Power Requirement: 12 VDC, Operates at 433.92 MHz. (uses amplitude modulation) Up to 16 Receivers can be used in a Network	01	6000.00
											Zigbee wireless module	Series 2 (not compatible with Series 1) Transceiver module (receives and transmits)	05	5000.00
											Transistor application trainer	Dual DC 0 to 30V variable On-Board power supply. Application study of different types of Transistors includes NPN,	01	12000.00
TEQIP-II/CG/CG1G02/105	Elex opamp	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	94000.00	Shopping	OP-AMP trainer	\pm 15V, \pm 12 and +5V fixed DC power supply DC 1.5 to 10V, -1.5 to -10V variable power supply, IC 741 Op-Amp stage, 555 IC stage, Bread board	02	14000.00
											Network and bridge trainer	On board dual isolated power supply 0 to 20 V. Variable Current source.	02	12000.00
											Digital IC trainer	Supply- +5V/1A, \pm 15V/500mA, Ripple Less than 1mV, Regulation Less than 0.1%	02	13000.00
											A/D converter trainer	4 bit discrete & 8 bit Monolithic converters. Built in DC power supply.	02	8000.00
TEQIP-II/CG/CG1G02/106	Elex Workshop-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	545000.00	Shopping	UV Exposure unit	230v 50 hz, 16x2 LCD for timer and lamp status display,	01	45000.00
											PCB Shearing machine	Table or floor mounted	01	25000.00
											PCB Curring machine	230v 50 hz, 16x2 LCD for timer and lamp status display	01	35000.00
											PCB Prototype machine	PC based software interactive GUI, USB Interface, Micro drilling and milling.	01	40000.00
											Soldring and desoldring station	Digital, Temperture control accuracy 1 degree centigrade, burn proof.	02	20000.00
TEQIP-II/CG/CG1G02/107	Elex Spectrum-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	270000.00	Shopping	LCR Meter	Upto 25 KHz, accuracy 0.2%	05	30000.00
											D/A Converter	4 bit discrete & 8 bit Monolithic converters.	02	8000.00
											MOSFET Characterstics	with 2 meter and Power supply	04	14000.00
											FET Characterstics	with 3 meter and power supply	04	12000.00
TEQIP-II/CG/CG1G02/108	Elex Microwave-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	260000.00	Shopping	DIRECTIONAL COUPLER & MAGIC TEE SET UP	Cross directional coupler, Magic tee, Circulator	01	60000.00
											DIELECTRIC MEASUREMENT SET UP	Movable short precision with micrometer, Set of dielectric, Phase shifter	01	60000.00

											MICROWAVE POWER METER	Frequency range : 8.2GHz to 12.4 Ghz , Display : 16X2 Backlit LCD , Power : +20dBm to -30dBm	02	70000.00
TEQIP-II/CG/CG1G02/109	Civil survey Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	75000.00	Shopping	Plain table set	For survey purpose as per BIS specification	15	5000.00
TEQIP-II/CG/CG1G02/110	Civil survey Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	600000.00	Shopping	Electronic Digital Theodolite	Magnification-30x, Aperture- 45 mm, Field of view- 1030° , distance- 1.35 m, Stadia multiplying constant - 100, Resolution power- 3", Accuracy of measuring angle-2", Display – LCD two faced LCD	03	200000.00
TEQIP-II/CG/CG1G02/111	Civil Concrete Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	316000.00	Shopping	Sieve Sts	200 mm diameter made of brass as per IS standard.	04	20000.00
											Rebound Hammer-Original Schimdt Hammer Type-N	Compressive Strength =10 to 70 N/mm2, Impact Energy- 2.207Nm, Hammer mass- 115g, Spring constant- 0.79N/mm, Plunger= 105xØ15mm/radius of spherical tip25mm, Compressive Strength =10 to 170 N/mm2	01	50000.00
											Rebound Hammer-Silver Schimdt Hammer Type-BN	Compressive Strength =10 to 70 N/mm2, Impact Energy- 2.207Nm, Hammer mass- 115g, Spring constant- 0.79N/mm, Plunger= 105xØ15mm/radius of spherical tip25mm, Compressive Strength =10 to 170 N/mm2	01	100000.00
											Plummet balance as per IS: 2720 (Part-4)	Consist of vertical rod mounted on heavy base with leveling screw having graduated % unit 0-100 in 2% division having a provision of determination of sp. Gravity 2.4-2.8 to help solve stoke equation.	02	20000.00
											Flow and workability of mortar and hydraulic cement	Brass table top 250+2.5mm dia mounted on rigid stand, 12mm,shaft having 100rpm,suitable operation on 220V,50Hz single phase A.C supply,flow mould 100mm base dia 70mm top dia and 50mm high,flow table gun metal top motorized 250mm dia	02	23000.00
TEQIP-II/CG/CG1G02/112	Civil Concrete Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	162000.00	Shopping	Slump cone with tamping rod	As per IS:7320	05	2000.00
											I.S Sieves for coarse and fine aggregate	12 inches dia made of brass frame for coarse series 125,106,100,90,80,75,63.5 3,50,45,40,35.5,31.5,26.5,25,22.4,20,19,16, 13.2,12.5,11.2,10,9,8,6,7,6, 3,5,6,4,15,2,36,1,18mm	62	1000.00
											Electronic digital Weighing balance	Capacity 2000gm,readability 0.01gm,pan size 180 x 180mm	01	30000.00
											Electronics digital Weighing balance	Capacity 8000gm ,readability 0.1gm, pan size 180 x 180mm	01	35000.00
											Sieve shaker	Sieve shaker gyratory type motorized,0.5HP motor for 45mm dia sieves including lead and extra pan	01	25000.00
TEQIP-II/CG/CG1G02/113	CivilEnvironment Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	280000.00	Shopping	Jar test App.	Standard	01	50000.00
											Autoclave Pressure Cooker	Size – 30 cm diameter and 30 cm height made of aluminum or stainless steel	01	70000.00
											Air entrainment meter	Pressure tight flange cylindrical measuring bowl fitted with removable flange and conical cover including calibration cylinder	02	30000.00
											Chemicals and reagent(including glass ware)	Various reagents and chemicals pertaining to environment lab	01	100000.00
TEQIP-II/CG/CG1G02/114	Civil Geology Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	425000.00	Shopping	Ore Microscope	Readability up to 0.002 mm, graduated 0 to 360 degree, ¼ wave length, Eye piece- hay 10 x with cross and =15x packed sock proof sytro fome case in side plywood box.	01	25000.00
											Micro logical Microscope	Readability up to 0.002 mm, graduated 0 to 360 degree in step of 5 degree analyzer.	01	25000.00
											Resistivity Meter	As per Standard National Institute of Hydrology, Readability 0.001O, P-V Computer with Colour printer and latest software	01	300000.00
											Structural Geology Model (Wooden-Fold, Fault)	As per IS Standard	01	50000.00
											Engineering geology Model (Wooden-Tunnel, Dame)	As per IS Standard	01	25000.00
TEQIP-II/CG/CG1G02/115	Civil Transportation Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	353000.00	Shopping	Benkelman Beam	The apparatus consist of a 365 cm long aluminum beam in two halves arranged to give the lever arm ratio of 2:1.A buzzer is provided for removing friction on the bearings with spring loaded clamp. The fine and coarse adjustment must be provided.	01	75000.00

											Marshal Stability machine with digital display	The unit comprises of:- Load frame – 25 KN capacity, Rammers-2 nos., Moulds- 3nos., Digital display, Load cell 50 KN, Displacement sensor along with flow meter +/- 20 mm	01	20000.00
											Crushing value cylinder and mould with plunger	As per BIS specification	02	7500.00
											Aggregate impact testing machine	With blower counter,cup mould,tamping rod including essential accessories for determination of aggregate impact value as per BIS Specification	02	7500.00
											Proving ring and dial guage	Having capacity of 100KN,200KN,250KN,1000K N with certification of NCCBM or other central govt. authority	04	12000.00
TEQIP-II/CG/CG1G02/116	Civil Fluid Mechanics Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	300000.00	Shopping	Orifice meter	Standard size design of brass plate with standard flange dimension 6.2" pipe and flange fitted with standard peacock valve fitted on v/s on 3" length pipe d/D -1/2, Size-10mm,20mm,25mm,40mm,50mm,75mm.	01	50000.00
											Orifice Apparatus	It has Cleveland flash cup in brass with an insulated handle, a metal heating plate with circulars opening covered by asbestos board.	01	100000.00
											Mouth Piece & orifice Apparatus	Constant head supply tank 45x45x90 cm made of M.S. angle frame 1" with 3mm thick sheet,measuring tank 90x90x90 cm, Orifice-Circulars 20 mm, Rectangular 10x20 mm, Square 20x20 mm, Triangular 25 mm, Mouth Piece- Cylindrical 30 mm, Convergent 30 mm size, Divergent 30 mm and bore dia 30 mm size.	01	100000.00
											Notch Apparatus	M.S. supply tank 180x40x30 cm provided with baffles, Measuring tank 45x45x60 cm provided with fitting hopper and partition, gauge glass, scale and drain valve, collecting tank section 45x30x60 cm.	01	50000.00
TEQIP-II/CG/CG1G02/117	Chemestry Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	402000.00	Shopping	Auto ranging Conductivity TDS Analyzer	conductivity range 0 to 200 us, TDS Range 0 to 10, Temp. 0.1°C	02	75000.00
											Photoelectric Calorimeter	Display 2.1/2 digit LED,Range 380-700	02	12000.00
											Digital Flame Photometer	Gas Controller , Gas-LiQ.NH3	02	66000.00
											pH Meter	DC Adapter , Autocalibretion	03	32000.00
TEQIP-II/CG/CG1G02/118	Medical -II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	350000.00	Shopping	Mutipara Monitor [Multi parameter patient monitor]	TFT colour monitor of size 12.1 inches; Resolution 800x600 pixels,Wgt: 4.5 kg, Lead acid recargable battery,Power supply-AC 100-240V@50/60 Hz,Std. configuration of: ECG,Resp,SpO2,1-temp,HR;ECG/Respiration/HR: 3/5/12 load ECG input,HR:10-300 bpm,Respiration method:temperature variation b/w RA-LL(R-F); NIBP: Automatic Osillometry, Unit:mm Hg/kpa,Nellcor SpO2: saturation range-0 to 100%; PR range: 20 to 300 bpm, Resolution: 1bpm	01	120000.00
											Biphasic Defibrillater	General:Device with dimension 260x280x250mm, wt<10.5kg, SLA: 12V 4.5 Ah battery,Power consumption<10 VA,Power supply: AC input 100 to 230 V ,AC +- 15%,50/60 Hz; Defibrillator:Current control biphasic,Energy storage>300 Joules,Charge time<10sec,Energy ion:2 to 300 Joules in step(2,3,5,7,10,20,50,70,100,150,200,300 joules); Monitor:LCD,320x400 pixel resolution,ECG mode:paddle ECG & patient cable ECG,1v/1mV ECG output, Freq,response:0.5 to 30 Hz;Printer: recorder 50mm, thermal array recording, paper size:50mmx25meters,Store & prints upto 24 events.	01	195000.00
											Pulse Oximeter	Integrated with SPO,Measure:SPO2 & PR,Display:SPO2&PR,4 directions& 6 modes,shut off automatically when no signal	01	35000.00
TEQIP-II/CG/CG1G02/119	WS-6	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	412000.00	Shopping	Universal Radial Drilling Machine	Drilling capacity in M.S-38mm Drilling capacity in C.I-45mm Spindle travel-220mm Range of spindle speed(r.p.m)-1980 Size of base plate- 760x1250x150mm3	02	206000.00
TEQIP-II/CG/CG1G02/120	Mech EM Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	93000.00	Shopping	MOMENT OF INERTIA OF FLYWHEEL (30cm)	Machined and balanced cast iron wheel and the steel spindle in support on ball bearing in strong iron brackets. The wheel is smoothly painted black and is marked with a line. A pointer is fixed to one of the brackets.	02	8000.00

											WINCH CRAB SINGLE/ DOUBLE PURCHASE	Winch crab single purchase- Fitted with heavy cast iron wall brackets The grooved wheel is of 25 cm dia.and gears are machine cut. Winch crab Double purchase- Same as above but with double set of gearing arrangement.	01	9000.00
											POLYGON OF FORCES	Wooden board of 75x70 cm size, provided with two wall brackets and four adjustable frictionless aluminum pulleys and five sets of slotted weights of iron nickeled each set containing nine weight and one hanger of 50gms.	02	2500.00
											CUT SECTION MODEL OF TWO STROKE SINGLE CYLINDER ENGINE	This model is made out of used engine, suitably sectioned to show the internal construction of the engine, gear box, clutch and rear wheel mechanism and the model is fitted on a sturdy iron frame. The complete internal details can be demonstrated by operating the kicker lever to show the working of the piston, sparks from the spark plugs can also be shown	01	60000.00
											COMPOUND LEVER	Two iron beams 25x2.5 mm connected to each other and fitted on two different stands, well balanced with a scale pan. Complete with 1 Kg weight and a physical iron nickeled weight box 1-50 gms.	02	1500.00
TEQIP-II/CG/CG1G02/121	Mech EM Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	348000.00	Shopping	CUT SECTION MODEL OF FOUR STROKE SINGLE CYLINDER ENGINE	The engine and gearbox assembly, sectioning of maximum parts an accessories like Cylinder, Cylinder Head, Valve ports, Gear box, housing, Oil sump, etc will be carried out to show the internal constructional details such as Piston, Piston rings, Valves, cam, connecting rod ,etc. the model will be mounted on stand.	01	116000.00
											MODEL OF AIR BRAKE SYSTEM	The model is made out of Original parts such as Air compressor, Unloader valve, foot valve, Booster, Wheel assembly, air tank, control valve etc Suitably sectioned and mounted on a sturdy iron frame.	01	50000.00
											CUT SETION MODEL OF HYDRAULIC BRAKE UNIT FOUR WHEEL TYPE	This model contain two disc brakes in the front and two drum brakes at the rear and it is made out of original parts such as two master cylinder Assembly (one sectioned and one working), wheel cylinder, Brake drum, Brake Shoes, calipers etc., suitably sectioned and mounted on a sturdy iron frame.	01	78000.00
											CUT SETION MODEL OF FULLY FLOATING DIFFERENTIAL & REAR MECHANISM	This model is made out of original used heavy vehicle parts, suitably sectioned to show clearly the action of Differential gear box, such as pinion crown wheel in Differential and Brake drums in Rear axle, A Crank handle is provided to demonstrate the model. The model is mounted on a sturdy iron frame.	01	104000.00
TEQIP-II/CG/CG1G02/122	Mech ICE Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	236000.00	Shopping	CLOSED CIRCUIT APPARATUS FOR DETERMINATION OF CD,CC & CV	Supply Tank of M.S Powder Coating/M.S.FRP Lining/S.S Unit of suitable size with a fixture arrangement to mount 2 replaceable orifices. A scale & Sliding arrangement for measurement of X & Y ordinate to find the velocity traverse of the water jet from orifice & provided with a micrometer contraction gauge for the measurement of Contraction of water jet at the throat of the orifice. Two Orifices made of gunmetal/Brass, Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.5 HP single phase [ISI marked],	01	60000.00
											CLOSED CIRCUIT APPARATUS FOR DETERMINATION OF FLOW THROUGH VENTURIMETER & ORIFICE METER	Piping System Consisting of Two G.I. Pipe lines, each line fitted with a venture meter & orifice meter of size 25 mm with a gate valve, Differential u tube manometer with mercury, Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.5 HP single phase [ISI marked],	01	60000.00
											CLOSED CIRCUIT BERNOULLI'S THEOREM APPARATUS	Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.25 HP single phase [ISI marked]	01	60000.00

											CLOSED CIRCUIT REYNOLD'S APPARATUS	Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.25 HP single phase [ISI marked], A transparent duct made of acrylic and of smooth variable cross section with suitably spaced 0.5m height replaceable high quality graduated glass tubes to measure the pressure head along the duct and a GM flow control valve.	01	56000.00
TEQIP-II/CG/CG1G02/123	Mech ICE Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	156000.00	Shopping	APPARATUS FOR DETERMINATION OF METACENTRIC HEIGHT	Semi Circular Sectioned hollow ship model, provision for loading as Cargo and warship, fine arrangement for accurate angle measurement extra weight in Metric Unit for tilting coupled, Sump Tank of M.S. Powder Coating/MS. FRP Lining/S.S. Unit water tank of suitable size	01	36000.00
											CLOSED CIRCUIT PIPE FRICTION APPARATUS	Sump Tank and measuring Tank made of M.S. Powder Coating/M.S. FRP Lining/S.S. Unit of suitable size, A transparent glass tube of 12mm OD & 8mm ID & 600mm length, Supply Pump Set of 0.5 HP single phase [ISI marked], Piping System of Two G.I. Pipe lines of size 20 & 25mm with taping at 2m having a set of individual gate valves & distribution chamber with isolating cocks to facilitate individual experiment on piping system, Frictional Head Loss by Differential u tube manometer with mercury	01	60000.00
											MINOR LOSSES APPARATUS	Pump set of 0.5 HP, 1Ph, Sump tank for 1000 x 300 x 400 mm, Collecting Tank for 300 x 300 x 400 mm, Pipes & fittings of 1/4" pipe line with various fittings like bend, elbow, collar, Expansion, contraction and gate valve, Head Measurement by Acrylic body Manometer, 200-0-200 mm with Mercury.	01	60000.00
TEQIP-II/CG/CG1G02/124	Mech FM Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	287000.00	Shopping	Parallel flow & Counter Flow Heat Exchanger	Heat Exchanger Outer Pipe Insulated By Asbestos Rope a. Diameter :25mm Heat Exchanger Inner Pipe a. Length :1000mm b. Diameter :12.5 mm OD	01	48000.00
											Shell & Tube Heat Exchanger	Specimen Shell: 200mm dia, 5mm thick, 1m long MS pipe Tubes: 1/2" dia, 1020mm long Copper or seamless MS tubes	01	98000.00
											Thermal Conductivity of Insulating Powder	Outer Sphere (top And Bottom) a. Diameter : 200mm (Approx.) b. Material : Copper Inner Sphere (top And Bottom) a. Diameter : 100 b. Material : Coppe	01	47000.00
											Heat Transfer Lab Equipment from Pin Fin	Blower a. Capacity :350 watts/1.5 cumts/m Test Section a. Diameter :12mm b. Length :150mm c. Material :Brass	01	48000.00
											Stefan Boltzmann Apparatus	a. Hemisphere Diameter/Material :200mm/Copper b. Outer Jacket Diameter/Material :250mm/Copper c. Hylum Base Plate :12 mm thick d. Test disc Size :20mm x 1.5 mm	01	46000.00
TEQIP-II/CG/CG1G02/125	Mech FM Lab-III	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	331000.00	Shopping	Critical Heat Flux Apparatus	a. Diameter :200mm (Approx.) b. Height :200mm (Approx)	01	45000.00
											Unsteady State Heat Transfer Lab Equipments Test Rig	Copper 30mm dia, 30mm long,	01	105000.00
											Film Condensation Apparatus	a. Diameter :100mm OD (Approx.) b. Height :275mm (Approx.) c. Quantity :2 Nos.	01	89000.00
											Heat Pipe Demonstrator	Heat Pipe a. Length/Diameter :300/25mm (Approx/) c. Material :Brass Test Pipes a. Diameter/Length :25mm/300mm(Approx.) Material :Copper b. Diameter :25mm (Approx.) Length :300mm (Approx.) Material :Copper/SS Small Capacity Tanks a. Size :150x100x50mm	01	44000.00
											Heat Exchanger through Composite Walls	Mild Steel, Asbestos & Brass Slabs/wood a. Thickness :150 od 6 mm Thick Measuring Instruments a. Digital Voltmeter Range :0 to 300 V b. Digital Ammeter & Range :0 to 10 Amps c. Digital Temperature Indicator with 0 or switch Range :Ambient to 400 c.	01	48000.00
TEQIP-II/CG/CG1G02/126	Mech Fluid Lab-V	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	475000.00	Shopping	Air Flow Sensor	Preheated thermister =100 ohm, DC fan (12V, 1 1/2") to generate variable airflow in a mini wind tunnel with manual outlet control, Bridge amplifier to O/P 0=2V at various temperatures (Fan speed)	01	70000.00
											Vibration Sensor	Operation Range: Audio frequency (2KHz-8KHz), Power amplifier: 1 W capacity as a vibration generator, Piezo electric sensor Determination of aceleration (velocity, displacement ? components.	01	96000.00

											Closed circuit Pelton wheel Turbine Test Rig 5 H.P.	Type : Impulse Capacity : 5HP Rated Speed : 1000 RPM Discharge Capacity: 750 Liters/Minute Supply Head : 50 Meters	01	250000.00
											Closed circuit Reciprocating pump Test Rig	Double acting reciprocating pump of size 25 x 20mm with air vessel to discharge about 20LPM at 20 meters total head	01	59000.00
TEQIP-II/CG/CG1G02/127	Mech Hydraulic Lab-II	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	334000.00	Shopping	STATIC AND DYNAMIC BALANCING APPARATUS	Apparatus with appropriate specification to perform following: conducting experiments on static balancing and dynamic balancing with different weights. This consists of rectangular frame of steel perfectly balance with four different blocks. A protractor scale of the disc is provided to reach exact angular position of each weight to be measured. A linear scale provided below the frame provides the measurement of each weight along the shaft.	01	58000.00
											MOTORIZED GYROSCOPE	Apparatus with appropriate specification to perform following: to demonstrate the relationship between applied torque and the rate and direction of rotation. This is motorized and mounted on a frame such that free to rotate about three perpendicular axes.	01	60000.00
											WHIRLING OF SHAFT APPARATUS	Shafts made from steel of dia. 2-8mm, length 10000mm One kinematics coupling and bearing for fixed of free end. One sliding chuck for fixed end with lateral movement. POWER REQUIREMENT: 220 V, 50 Hz single phase	01	56000.00
											VIBRATION LAB-No.1	Vibration Lab machine for performing experiments on longitudinal and torsional vibrations with control panels and speed indicators. Exp.1-Equivalent spring mass system to study the undamped free vibration. Exp. 2- Equivalent spring mass system to study forced calibration	01	160000.00
TEQIP-II/CG/CG1G02/128	Mech Turbine Lab-I	Not available	Goods	Equipment	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	564000.00	Shopping	VIBRATION LAB-No.2	Vibration Lab machine for performing experiments on longitudinal and torsional vibrations with control panels and speed indicators.	01	190000.00
											JOURNAL BEARING APPARATUS	Journal 50 mm diameter (Nominal), Bearing 55 mm diameter, 4 adjustable weights, Recommended oil SAE 10, DC Motor with speed 150-1500 rev/min in both the directions, Suitable speed Control Unit is provided along with apparatus, Manometer Panel 16 tubes mounted on a wooden backboard	01	118000.00
											EPICYCLIC GEAR APPARATUS	External Type Epicyclic Gear Train, Bearing blocks for input and output Shafts are mounted on a base frame, A gear Train with Holding drum and a handle, Internal Type Epicyclic Gear Train, A compact Gear Train (Industrial), Variable Speed D.C. Shunt Motor, 1 H.P. 1500rpm, 230 Volts, Rope brake arrangement to measure output torque	01	138000.00
												and holding torque, Control Panel consisting of Digital Ammeter and Voltmeter RPM Indicator, on off switch. Speed control unit		
											CORIOLIS COMPONENT OF ACCELERATION	Main Tank Fabricated out of fiberglass plastic sheet, Rotating Arms 9 mm/ 6mm orifice diameter, 300mm long, Rotameter 300 to 3000 LPH, Electrical Motor D.C. Swinging field, 0.5 H.P. 50 RPM, Monoblock Pump Single phase, pump with Motor 2400 LPM discharge, Control Unit consisting of a) pump switch, b) Speed Control, c) Speed Indicator d) Main Switch, Rigid Support Structures	01	118000.00
TEQIP-II/CG/CG1G02/129	Eng Lab-III	Not available	Goods	Books & Learning Resources	Infrastructure Improvement for teaching, training and learning facilities	No	No	03/07/2012	570000.00	Shopping	Software Console for Digital English Language Lab	30+1, Coputer based Console, Special Edition, Premium, with Interactive instruer module, Interactive student module, audio/vedio recorder	01	570000.00