

Public Disclosure Authorized

Package Code	Package Name	Justification	Item Category	Item Sub Category
TEQIP-II/UP/UP2G01/1	Strengthening of CAD facilities	The existing CAD facilities is not in good shape as per the latest requirememnts.	Goods	Books & Learning Resources
TEQIP-II/UP/UP2G01/6	Strengthening of Environmental lab	In view of the new M.TEch programme which has started in 2011, the laboratory needs up gradation	Goods	Equipment
TEQIP-II/UP/UP2G01/7	Strengthening PG Research Lab 1	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/8	Strengthening PG Research Lab 2	Strengthening of Postgraduate Research facilities	Goods	Equipment

Public Disclosure Authorized

TEQIP-II/UP/UP2G01/10	Strengthening PG Research Lab 4	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/11	Strengthening PG Research Lab 5	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/12	Strengthening PG Research Lab 6	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/13	Strengthening PG Research Lab 7	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/14	Strengthening PG Research Lab 8	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/16	Strengthening PG Research Lab 9	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/18	Strengthening PG Research Lab 11	Strengthening of Postgraduate Research facilities	Goods	Equipment
TEQIP-II/UP/UP2G01/19	Strengthening PG Research Lab 12	Strengthening of Postgraduate Research facilities	Goods	Equipment

TEQIP-II/UP/UP2G01/20	Surface Coating Application Lab	For Research Project of M.Tech. & Ph D., these equipments are required	Goods	Equipment
TEQIP-II/UP/UP2G01/21	Advance Research Lab	Required for Research Programme	Goods	Equipment
TEQIP-II/UP/UP2G01/22	Advance research/ Training	Required for application lab	Goods	Equipment
TEQIP-II/UP/UP2G01/23	Research Lab- Oil	R equired for research programme	Goods	Equipment
TEQIP-II/UP/UP2G01/24	Research Lab- Oil & PG Lab -Oil	Required for M. Tech. & Ph.D. Programme	Goods	Equipment
TEQIP-II/UP/UP2G01/26	Research/PG lab Oil -3	For strengthening PG and Research Programme	Goods	Equipment
TEQIP-II/UP/UP2G01/27	Research/ PG Lab- Oil-4	For M.Tech. and Ph. D. programme	Goods	Equipment

TEQIP-II/UP/UP2G01/28	Research/ PG Lab- Oil- 5	Required for b.Tech., M.Tech. and Ph. D. students	Goods	Equipment
TEQIP-II/UP/UP2G01/29	Polymer Research Lab	For New PG Programme	Goods	Equipment
TEQIP-II/UP/UP2G01/30	polymer research lab 1	upgradation of lab	Goods	Equipment
TEQIP-II/UP/UP2G01/31	Strengthening of Hydraulics lab (CED)	With the coming up of new M.Tech programme various equipments related to Environmental hydraulics need to be purchased.	Goods	Equipment
TEQIP-II/UP/UP2G01/32	polymer research lab 2	making polymer test spaciemen	Goods	Equipment
TEQIP-II/UP/UP2G01/33	pg lab	enhancemant of P.G work	Goods	Equipment

TEQIP-II/UP/UP2G01/34	polymer research lab 3	enhancement of PG lab &Phd	Goods	Equipment
TEQIP-II/UP/UP2G01/35	Stengtheneing of CAD (Simulation lab) in CED & MED	Presently one full time and 2 part time M.Tech programme are running. Most of dissertation work that is being done by the students deals with simulation and computation work. Consequently it is imperative to upgrade the facilities in the simulation laboratory.	Goods	Equipment
TEQIP-II/UP/UP2G01/36	Stengtheneing of Concrete laboratory (CED)	A M.Tech programme is running in Structural Engineering. The research facility needs to be upgraded in Concrete and structures laboratory.	Goods	Equipment
TEQIP-II/UP/UP2G01/38	Strengthening of Transportation laboratory (CED)	Some equipments in the laboratory have become obsolete and thus there is a need to purchse new ones so tha the academics (in particular the PG research) does not suffer.	Goods	Equipment

TEQIP-II/UP/UP2G01/41	PG Electronics	strengthening of PG lab	Goods	Equipment
TEQIP-II/UP/UP2G01/46	R & D PG ELECTRONICS 3	RESEARCH PURPOSE	Goods	Equipment
TEQIP-II/UP/UP2G01/47	PG Research FT	It is being proposed to enrich the laboratory facilities for reaserch point of view	Goods	Equipment

TEQIP-
II/UP/UP2G01/48

PG Research FT 1

Enrich the food quality facility in the lab

Goods

Equipment

TEQIP-
II/UP/UP2G01/49

Upgradation of research facilities in
Advanced Chemistry lab

The Research lab in Chemsitry departmnt
needs massive upgradation for purchase of
research facilities so as to increase the
intake of dotoral students.

Goods

Equipment

TEQIP-
II/UP/UP2G01/50

PG Research FT /BE

To enhance the micro biological facilities
and micro structure study of food products
so that strengthen the PG research of bio
chemical engg. and food technology field

Goods

Equipment

TEQIP-
II/UP/UP2G01/51

Upgradation of Advanced Chemistry lab

For enhancing the enrolment for doctoral
students in interdisciplinary research.

Goods

Equipment

TEQIP-
II/UP/UP2G01/52

PG Research FT/BE 1

To enhance the food processing and
analytical facility in the lab

Goods

Equipment

TEQIP-
II/UP/UP2G01/53

PG Research FT/BE 2

To enhance the analytical facility in bio
chemical engg. and Food Technology lab

Goods

Equipment

TEQIP-
II/UP/UP2G01/54

Upgradation of Advanced Power
electronics lab (EED)

The Power Electronics lab under Electrical
engineering department needs upgradation
for enhancing the research facilities.

Goods

Equipment

TEQIP-
II/UP/UP2G01/55

PG Research BE

To enhance the research facility in the
fermentation lab

Goods

Equipment

TEQIP-
II/UP/UP2G01/56

Laser Ablation unit for upgradation of
Electronics research lab

The research facility in Electronics
Research lab needs upgradation for
enhancing the doctoral studies

Goods

Equipment

TEQIP-
II/UP/UP2G01/57

PG Research BE 1

To enhance the research facility in the PG Goods
Biochemical Engg. Research Lab

Equipment

TEQIP-
II/UP/UP2G01/58

PG Research BE 2

To enhance research facility

Goods

Equipment

TEQIP-
II/UP/UP2G01/59

Enhancement of Research and
Development activities in CSE

The CSE Department has proposed to
start

Goods

Equipment

Department

a new M.Tech Programme in Computer Science and Engineering. In view of this the computational facilities needs to be upgrdated. Further the computational facilities in various departments of the institute needs to be upgrdaaed to enhance the research output.

TEQIP-II/UP/UP2G01/60	Strengthening of teaching and learning aids	The quality of teaching and learning needs to be upgraded with the latest e-aids so that teaching becomes more interactive and interesting.	Goods	Equipment
TEQIP-II/UP/UP2G01/62	Strengthening of research facilities (CSE Department)	The research infrastructure in CSE Department needs improvement.	Goods	Equipment
TEQIP-II/UP/UP2G01/63	Strengthening of Computational facilities (in CS Department)	It is proposed to start a new M.Tech programme. For which research facilities need to be upgraded.	Goods	Equipment
TEQIP-II/UP/UP2G01/64	Strengthening of research facilities_softwares (CSE Department)	The research facilities need to be upgraded for the proposed M.Tech programme.	Goods	Books & Learning Resources
TEQIP-II/UP/UP2G01/66	Strengthening of e learning resources	For improvement of research facilities, it is proposed to subscribe to e resources in form of e journals and books.	Goods	Books & Learning Resources

TEQIP-
II/UP/UP2G01/67

Refurbishment of Main Building of the
institute

The roof of main building of the institute is
in need of massive renovation for want of
water proofing. It needs to be done on
urgent basis for increasing the life of the
building.

Civil Works

Refurbishment works

TEQIP-
II/UP/UP2G01/68

Augmentation of Furniture in various
departments and central facilities of the
institute

With the coming up of new PG
programmes and some central facilities,
furniture needs to be purchased. This will
improve the overall infrastructure of the
institute

Goods

Furniture

TEQIP-
II/UP/UP2G01/69

Strengthening of learning resources

For improvement of research facilities, it is proposed to subscribe to e resources in form of e journals and books.

Goods

Books & Learning
Resources

Activity Name	Is Proprietary	Through DGS & D	Estimated Financial Sanction Date	Total Estimated Cost	Proc. Method
Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	15/06/2012	3950000.00	Direct Contract
Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012	1900000.00	NCB
Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	60000.00	Shopping
Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	600000.00	Shopping

Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	20000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	400000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	500000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	350000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	160000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	400000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	100000.00 Shopping
Enhancement of Research and Development and Institutional activities	Yes	No	16/06/2012	200000.00 Direct Contract

Providing Assistantships for increased enrolment in existing and new PG Programmes in Engineering disciplines	No	No	16/06/2012	200000.00 Shopping
Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	2400000.00 NCB
Improvement in teaching, training and learning facilities	No	No	16/06/2012	200000.00 Shopping
Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	1500000.00 NCB
Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	700000.00 Direct Contract
Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	1200000.00 NCB
Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	1600000.00 NCB

Enhancement of Research and Development and Institutional activities	Yes	No	16/06/2012	400000.00 Direct Contract
Enhancement of Research and Development and Institutional activities	No	No	02/09/2012	400000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	03/09/2012	200000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	15/06/2012	800000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	11/09/2012	800000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	11/09/2012	700000.00 Shopping

Enhancement of Research and Development and Institutional activities	No	No	11/09/2012	200000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	15/06/2012	242500.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	15/06/2012	400000.00 Shopping
Enhancement of Research and Development and Institutional activities	No	No	15/06/2012	450000.00 Shopping

Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	60995.00 Shopping
Enhancement of Research and Development and Institutional activities	Yes	No	16/06/2012	600000.00 Direct Contract
Enhancement of Research and Development and Institutional activities	Yes	No	16/06/2012	1200000.00 Direct Contract

Enhancement of Research and
Development and Institutional Consultancy
activities

No

No

16/06/2012

2000000.00 NCB

Enhancement of Research and
Development and Institutional Consultancy
activities

No

No

15/06/2012

850000.00 Shopping

Enhancement of Research and
Development and Institutional Consultancy
activities

No

No

16/06/2012

500000.00 Shopping

Enhancement of Research and Development and Institutional activities	No	No	15/06/2012	150000.00 Shopping
--	----	----	------------	--------------------

Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	350000.00 Shopping
--	----	----	------------	--------------------

Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	600000.00 Shopping
Enhancement of Research and Development and Institutional activities	Yes	No	15/06/2012	4000000.00 Direct Contract

Enhancement of Research and
Development and Institutional Consultancy
activities

No

No

16/06/2012

1200000.00 NCB

Enhancement of Research and
Development and Institutional Consultancy
activities

No

No

16/06/2012

1000000.00 Shopping

Enhancement of Research and
Development and Institutional Consultancy
activities

No

No

16/06/2012

800000.00 Shopping

Enhancement of Research and Development and Institutional activities	No	No	16/06/2012	750000.00 Shopping
--	----	----	------------	--------------------

Enhancement of Research and Development and Institutional	No	No	16/06/2012	4880000.00 NCB
---	----	----	------------	----------------

Improvement in teaching, training and learning facilities	No	Yes	16/06/2012	800000.00 Direct Contract
Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	50000.00 Direct Contract
Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	50000.00 Direct Contract
Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	300000.00 Direct Contract
Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	3265000.00 Direct Contract

Incremental Operating Cost	No	No	16/06/2012	3750000.00 NCB
Enhancement of Research and Development and Institutional activities	No	No	15/06/2012	1740000.00 NCB

Enhancement of Research and
Development and Institutional Consultancy
activities

Yes

No

09/10/2012

3800000.00 Direct Contract

Item Name	Item Description	Item Quantity	Item Estimated Cost Per Unit
ANSYS	latest edition with 5 licenses	01	500000.00
PRO-E	latest edition with 5 user licenses	01	500000.00
NASTRAN	latest edition with 5 user licenses	01	800000.00
SOLID WORKS	Education version with 60 licenses and Premium version 2 user license	01	800000.00
CATIA	Latest version with 15 users	01	250000.00
C++ and Visual C++	Latest version with multiple user licences	01	200000.00
AUTO CAD	Latest version with 5 user licenses	01	500000.00
ABACUS	Latest version with 5 user licenses	01	400000.00
UV Hood / Laminar Flow Apparatus	For providing laminar flow conditions to carry out microbiological investigations	01	150000.00
Coliform Counter	For microbiological investigations	01	50000.00
Gas Chromatograph		01	600000.00
Atomic Absorption Apparatus		01	1100000.00
Magnetic Stirrers 5 MLH		02	30000.00

Spectrophotometer UV – VIS – NIR		01	600000.00
pH Meter		02	10000.00
Hydrogen Generator		01	400000.00
BET Apparatus (Surface Area Measurement)		01	500000.00
High Pressure Pump	For pumping gases up to 200 atm.	01	350000.00
Digital Balance	1.0 mg accuracy	02	80000.00
Equipment for Nano Particle by CVD method		01	400000.00
Tensometer for surface tension		01	100000.00
TLC Rods for IATROSCAN Analyser	Box containing 10 Silica Gel rods	10	10000.00
TLC Rod drier for IATROSCAN	Drier for drying rods at	01	100000.00

Analyser	constant temperature		
Resin Plant	1 Litre capacity	01	100000.00
Emulsion Plant	1 Litre Capacity	01	100000.00
Gas Liquid Chromatography	Detector FID and TCD	01	800000.00
Gel Permeation Chromatography/ Size Exclusion Chromatography	3micro meter particle size,three pore size, 100A, 150 A	01	1600000.00
Homogenising Unit	power input 850 watt, power output 495 watt, voltage/ frequency 200V- 240 v/ 50 Hz	01	200000.00
HPLC	ELSD &RI detectors	01	1500000.00
SAFE TESTII Analyser	with memberan fileteration unit, safTest Dispenser4, etc	01	700000.00
Supercritical Gas Liquid Chromatograph		01	1200000.00
N M R	For SFC and SFI	01	1600000.00

F T I R Accessories	KBr Cells and Accessories	01	400000.00
Ultrasonicator	dispersion of nano particles	01	400000.00
Homogenizer	dispersion of fillers	01	100000.00
Film applicator	making uniform films	01	100000.00
Darcy law apparatus	A self circulating unit with facility of 0.5 HP pump, Piezometers for head measurement, measurement of permeability etc.	01	100000.00
Open channel flume	Closed circuit flume with accessories for study of hydraulic jump, transition, hump, flumes, spillway, broad crested and sharp crested weir, spillway for 1 HP pump with all relevant facilities.	01	700000.00
lab model injection moulding with mould	development of polymer product	01	800000.00

hydraulic press		01	400000.00
cyogenic reactor		01	300000.00
Standard Lid & PAN	Standard Lid & PAN for DSC	02	50000.00
Moulds for injection moulding	Test specimen- Disc, tensile, heat deflection under	01	100000.00
UPS	Offline UPS 500 VA with 10 minutes backup	55	2500.00
Laser Printer	Printer with facility for fax, scanning and printing	07	15000.00
Digital Concrete Test Hammer	Compressive Strength measurement : 10 – 100 MPa	01	200000.00
Rebar Locator	Features - Locating rebar, measuring concrete cover, determination of rebar diameters	01	200000.00

Field California Beaing Ratio (CBR)	As per IS: 2720 (Part-3)	01	200000.00
Bump Integrator	As per CRR1 Design	01	250000.00
Laser Printer All in One		02	12250.00
Laser Printer		05	7299.00
Workbench for Vxworks6.x, Perpetual	Work bench for Vxworks provide a complete solution for device Software development Targeting Vxworks 6 based devices. Within this environment developers have access to a complete set of Software development capabilities for kernel space & user level device Software applications.	01	600000.00
Tray drier Make- Armfield Ltd, UK	•A floor standing tray drier with tunnel, axial fan and heating elements providing hot air to a compartment measuring 300x300x400mm, •Fan adjustable to give air velocities of 0.3-1.8m/s, Heater power adjustable up to 3kW,•An anemometer and aspirated psychrometer permit measurement of air speed and humidity,demonstration of	01	1200000.00

drying rate regimes, effect of temperature and air flow rate on drying rate. Mass and energy balancing and the use of psychrometric charts.

Rheometer

The Rheometer should have Following Torque specifications: a) Minimum Torque: 250 micro-Nm b) Maximum Torque: Not less than 200 milli-Nm c) Torque Resolution: Better than 110 nano-Nm, equipped with Normal Force sensor, Automatic Gap control settings, measuring very low to highly viscous food samples, Cone/Plate measuring geometry with diameter 50mm & angle one degree, Plate/Plate Measuring geometry with diameter 50 mm, temperature range of -5 to 200 deg C, Software should have basic test Templates for all type of Rheology variables to Obtain Data profiles

01

2000000.00

UV Spectrophotometer with all relevant accessories and software	All relevant accessories and software	01	750000.00
Flame photometer	Analysis and measurement range: 1-30 mg, sensitivity k: 0-10 mmol/l, Na: 2-200 mmol/l, aspiration rate: 4 ml/min	01	100000.00
Digital Microscope	Built in High Resolution 3.0MP Live imaging Chip, Condenser: Abbe Condenser, N.A.1.25, with iris diaphragm. Illumination: Built in Koehler illumination with 6V/30W Quartz Halogen Lamp And intensity control. Instant Image Capturing, Real time full screen image Programmed Interval Captures, Video Capture by Time Settings Easy Measurement calibration Measurement in microns, inches, millimeters Length Measurements Ellipse, Rectangle, irregular Shape Measurements Perimeter, Radius, Circumference Measurements Angle Measurements Magnifier (zoom) function Distant Image Sharing	02	250000.00

On-line files sending/receiving Sound recording
 Image amalgamation Automatic Image
 amalgamation Image Adjustment Effects
 Automatic cell Counting Data Export Report
 generating and Print Out Interactive File format,
 MP3 compatible with latest configuration PC.

Solari meter	With ISO 9001	01	100000.00
Tungston lamp	With ISO 9001	01	50000.00
Vaccum Oven	Rectangular vacuum oven (Inner dimension 40x40x50 cm3) with 2/3 S.S. Shelves Stainless steel body pre treated with primer for rust proofing Temperature range = 400C to 2000C ,Microprocessor based programmable temperature controller digital indicator with printer/ PC interface Vacuum of 760 mm hg with digital vacuum indicator cum controller with vacuum transducer Suitable Vacuum Pump	01	150000.00
Digital Analytical Balance	Capacity: up to 300 gm Readability/least count : 0.0001 gm	04	50000.00

Display: LCD

Double Beam UV-VIS
Spectrophotometer

Double Beam, Silicon Photodiode x 2 detector,
wave length range from 190- 740 nm with accuracy
of 0.3 nm, variable scan speed with photometric
range -3 Abs to +3 Abs/0 to 600%T and readout
as ABS,%T, Concentration having colour LCD
display

02

300000.00

Real Time Power Electronics Electrical
Systems Simulator

(R-TPESS) Real-Time Simulation - multiple rate,
xhp for quad core CPU - four cores activated
Real-Time Simulation Host - Node- locked
development license Real-Time SimulationHost -
Node-locked development license: (Multiple-
processor) Real-Time SimulationHost - Node-
locked development license: (Multiple-rate) Real-
Time Simulation user- interface scripting and
programming modules: (ALL programming
interfaces) Real-Time Simulation Target license
(Base scheduler) Real-Time Simulation Target
Target license

01

4000000.00

(Hard Real-Time single-rate scheduler) GUI
Package:(Node-locked development license)
Hardware OP5600 HIL Box real-time computer
3.46 GHz , 6 cores (OP5142) Analog Out (D/A)
with 16 channels, 16 bits, 15mA, 1 us, ±1V to
±16V Solver Real-Time Simulation Target
Power Elec. Sim. plug-in to SIMULINK (TSB)
ARTEMIS (Total software and hardware)

Bio Reactor (Computer Controlled)

Suitable for microbial and plant cell suspension culture. Two vessels (1 L & 5 L). With temperature, pH, DO, foam, agitation detection and control systems. Sample collection, nutritional inlet and outlets to use for continuous operation. Sterilization of media and air/oxygen facility. Programmable all control systems with printing facility of variables.

01

1200000.00

Laser Ablation unit	Chamber size: 300 mm dia x 350 mm height	01	1000000.00
	<p>(both ends open and achieve vacuum sealing with top plate and bottom plate) Vacuum pumping system: OD-114D (diffstack type), 280 Lit/Sec. ED-21, 350 Lit/min 100mm butterfly valve type 25mm size (CV-25) Digital Pirani, Penning Gauge with sensor to read vacuum in the range of 0.5 mbar to 1 x 10⁻³ mbar and 10⁻³ to 10⁻⁶ mbar Ultimate Vacuum (when LNT filled with Liquid Nitrogen): 1 x 10⁻⁶ mbar Utilities Required a. Power b. Water c. Liquid Nitrogen 230V AC, 50Hz, Single Phase, peak power consumption ~ 7KVA 4.5 Lit/min at 15-200 C inlet pressure of 2Kg/cm² 4-5 liters for one charge</p>		
Laminar flow work station	<p>Particle retention 0.3 µm, velocity 90 FPM, high illumination (800 lumen), HEPA filters, pre filters, UV light and efficiency 99.99% at 0.3 µm, protecting fiber body, interior base made of SS 304.</p>	01	100000.00

Deep freezer	-40 °C, more than 300 L, vertical with 2 openings, all interior made up of SS 304.	01	100000.00
Low temperature	Programmable temperature -40°C - 0°C, digital display, control of temperature in step of 0.5°C with accuracy of +- 0.1°C with temperature profile printing facility.	01	100000.00
Orbital shaking incubator	Temperature 10 °C - 80°C at ambient temperature of 35°C, capacity to hold 250 & 500 ml flask, RPM 0 – 400.	01	300000.00
Cooling centrifuge	Temperature 4°C to ambient, RPM 10000 in loading condition, variable heads to different heads, digital display and control of RPM and temperature with +- 1°C/RPM	01	200000.00
PCR	Real time, temperature control digital and programmable for entire range, holding capacity 40- 60 tubes, accuracy temperature +- 0.1°C and time 0.1 sec.	01	350000.00
Gel documentation system	Computer controlled data acquisition, storage and analysis. With all accessories including two different size of growth gel tank and various power supply notes, photography and printing facilities.	01	400000.00

Computers_Window based (CSE
Department)

1.CPU: Intel Core i7-2600, 3.4 Ghz, 8 MB
Cache or Better. 2.Chipset: Intel Q67 Express
or higher on OEM Motherboard 3.Bus
Architecture: 4 PCI(PCI/PCI Express)
4.Memory: 8GB 1066 Mhz DDR3 RAM
5.Hard Disk Drive: 1TB 7200 rpm serial ATA
HDD 6.Monitor:15/17 inch TFT digital color
Monitor TCO-05 certified 7.Keyboard: 104 key
8.Mouse:optical with USB interface
9.Bays:3 nos or above 10.Ports:6 USB
Port, audio ports for microphone and headphone
in front 11.Mouse:optical with USB interface
12.Bays:3 nos or above 13.Ports:6 USB
Port, audio ports for microphone and headphone
in front 14.cabinet:small

20

40000.00

	form factor(max 16 Liters) 15.DVD : DVD 8x Rewriter		
Computers_Linux based (CSE Department)	Configuration same as WINDOS but with LINUS Operating system	20	40000.00
Computers (Electronic department)	Desktop Computer Core i3-2100 Processor,23.10GHZ/4GB RAM/1TB HDD/23"Full HD /DVD Writer (minimum specifications), W7 HP,1GB Graphic, W. LAN, Kbd +mouse	20	40000.00
Computers for CAD Lab (Civil Engineering Department)	Processor : 2nd Generation core i5 or latest Processor Speed >= 3.10GHz Processor cache Unified 6 MB Memory RAM: >= 4GB Motherboard: Intel, Intel H67 express chipset, Chipset Inf file 9.20.1009; HDD :Seagate SATA II 750GB or 1 TB; Monitor: 17" TFT LED; Intel HD 2000 Graphics card Resolution 1920x1200; 32 bit color Mouse: Optical ; Keyboard (Multimedia) (Operating System : Windows 7 ultimate (64-bit)	20	40000.00
Computers for CAD Lab (under MED)	Processor : 2nd Generation core i5 or latest Processor Speed >= 3.10GHz Processor cache Unified 6 MB Memory RAM: >= 4GB Motherboard: Intel, Intel	20	40000.00

H67 express chipset, Chipset Inf file 9.20.1009;
HDD :Seagate SATA II 750GB or I TB; Monitor:
17" TFT LED; Intel HD 2000 Graphics card

Computers for Computaional lab (for Chemical Technology)	wITH SAME CONFIGURATION AS FOR Desktop computers proposed by CED/MED	18	40000.00
Computers (for MATHEMATICS Department)	Same as for CED, MED	04	40000.00
LCD Projectors	Complete with all accessories and attachments	10	80000.00
MSDN	As per latest configuration	01	50000.00
Rational Suite Software	As per latest configuration	01	50000.00
Network simulator	As per latest configuration Qualnet, Glomosim,	01	300000.00

Softwares (WADSISO)	For analysis and design of water distribution system. (with optimization module as well)	01	400000.00
Softwares (Signal Pro Simulation Software Single user)	Signal Pro Simulation Software V-7	01	700000.00
Softwares (SYSTAT Software)	5 users software for carrying out statistical analysis, graphic user interphase for coupling with other simulation software.	01	500000.00
Softwares (TRANSYT, ARCADY)	For 5 users	01	545000.00
Softwares (FLUENT Software)	For 5 users	01	150000.00
STATEASE Design Expert Software	For 5 users	01	150000.00
MATLAB Software (MED)	For 5 users	01	200000.00
MATLAB Software (Electronics)	For 5 users	01	200000.00
MATLAB Software (CSE)	For 5 users	01	200000.00
MATLAB Software (CE)	For 5 users	01	200000.00
Antivirus-Total Security/internet security	30 user	01	20000.00
Water proofing of the main building of the institute	Water proofing using chemical treatment , membrane over the roof	01	3750000.00
Cushin Chair for e class room (Central facility for using as seminar)	Cushion chair with writing pad	200	2000.00

Cushion Chair (for Centralised Seminar Hall)	Cushion chair	300	4000.00
Computer tables and chairs for CED	For completing the lab for 20 computers	20	7000.00
E journals	As per standard package available (to be used for maximum number of departments)	10000	330.00
E books	As per standard package available (to be used for maximum number of departments)	1000	500.00

Package Code	Package Name	Justification	Item Category	Item Sub Category	Activity Name	Is Prop	Through DGS & D	Estimated Financial Sanction Date	Total Estimated Cost	Proc. Method	Item Name	Item Description	Item Qty	Item Estimated Cost Per Unit
TEQIP-II/UP/UP2G01/1	Strengthening of CAD facilities	The existing CAD facilities is not in good shape as per the latest requirememnts.	Goods	Books & Learning Resources	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	15/06/2012	3,950,000	Direct Contract	ANSYS	latest edition with 5 licenses	01	500,000
											PRO-E	latest edition with 5 user licenses	01	500,000
											NASTRAN	latest edition with 5 user licenses	01	800,000
											SOLID WORKS	Education version with 60 licenses and Premium version 2 user license	01	800,000
											CATIA	Latest version with 15 users	01	250,000
											C++ and Visual C++	Latest version with multiple user licences	01	200,000
											AUTO CAD	Latest version with 5 user licenses	01	500,000
											ABACUS	Latest version with 5 user licenses	01	400,000
TEQIP-II/UP/UP2G01/6	Strengthening of Environmental lab	In view of the new M.Tech programme which has started in 2011, the laboratory needs up gradation	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012	1,900,000	NCB	UV Hood / Laminar Flow Apparatus	For providing laminar flow conditions to carry out microbiological investigations	01	150,000
											Coliform Counter	For microbiological investigations	01	50,000
											Gas Chromatograph		01	600,000
											Atomic Absorption Apparatus		01	1,100,000
TEQIP-II/UP/UP2G01/7	Strengthening PG Research Lab 1	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	60,000	Shopping	Magnetic Stirrers 5 MLH		02	30,000
TEQIP-II/UP/UP2G01/8	Strengthening PG Research Lab 2	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	600,000	Shopping	Spectrophotometer UV – VIS – NIR		01	600,000
TEQIP-II/UP/UP2G01/10	Strengthening PG Research Lab 4	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	20,000	Shopping	pH Meter		02	10,000
TEQIP-II/UP/UP2G01/11	Strengthening PG Research Lab 5	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	400,000	Shopping	Hydrogen Generator		01	400,000
TEQIP-II/UP/UP2G01/12	Strengthening PG Research Lab 6	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	500,000	Shopping	BET Apparatus (Surface Area Measurement)		01	500,000
TEQIP-II/UP/UP2G01/13	Strengthening PG Research Lab 7	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	350,000	Shopping	High Pressure Pump	For pumping gases up to 200 atm.	01	350,000
TEQIP-II/UP/UP2G01/14	Strengthening PG Research Lab 8	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	160,000	Shopping	Digital Balance	1.0 mg accuracy	02	80,000
TEQIP-II/UP/UP2G01/16	Strengthening PG Research Lab 9	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	400,000	Shopping	Equipment for Nano Particle by CVD method		01	400,000
TEQIP-II/UP/UP2G01/18	Strengthening PG Research Lab 11	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	100,000	Shopping	Tensometer for surface tension		01	100,000
TEQIP-II/UP/UP2G01/19	Strengthening PG Research Lab 12	Strengthening of Postgraduate Research facilities	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	200,000	Direct Contract	TLC Rods for IATROSCAN Analyser	Box containing 10 Silica Gel rods	10	10,000
											TLC Rod drier for IATROSCAN	Drier for drying rods at	01	100,000

											Analysers	constant temperature		
TEQIP-II/UP/UP2G01/20	Surface Coating Application Lab	For Research Project of M.Tech. & Ph D., these equipments are required	Goods	Equipment	Providing Assistantships for increased enrolment in existing and new PG Programmes in Engineering disciplines	No	No	16/06/2012	200,000	Shopping	Resin Plant	1 Litre capacity	01	100,000
											Emulsion Plant	1 Litre Capacity	01	100,000
TEQIP-II/UP/UP2G01/21	Advance Research Lab	Required for Research Programme	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	2,400,000	NCB	Gas Liquid Chromatography	Detector FID and TCD	01	800,000
											Gel Permeation Chromatography/ Size Exclusion Chromatography	3micro meter particle size, three pore size, 100A, 150 A	01	1,600,000
TEQIP-II/UP/UP2G01/22	Advance research/ Training	Required for application lab	Goods	Equipment	Improvement in teaching, training and learning facilities	No	No	16/06/2012	200,000	Shopping	Homogenising Unit	power input 850 watt, power output 495 watt, voltage/ frequency 200V- 240 v/ 50 Hz	01	200,000
TEQIP-II/UP/UP2G01/23	Research Lab- Oil	R equired for research programme	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	1,500,000	NCB	HPLC	ELSD & RI detectors	01	1,500,000
TEQIP-II/UP/UP2G01/24	Research Lab- Oil & PG Lab -Oil	Required for M. Tech. & Ph.D. Programme	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	700,000	Direct Contract	SAFE TESTII Analyser	with memberan fileteration unit, safTest Dispenser4, etc	01	700,000
TEQIP-II/UP/UP2G01/26	Research/PG lab Oil -3	For strengthening PG and Research Programme	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	1,200,000	NCB	Supercritical Gas Liquid Chromatograph		01	1,200,000
TEQIP-II/UP/UP2G01/27	Research/ PG Lab- Oil-4	For M.Tech. and Ph. D. programme	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	1,600,000	NCB	N M R	For SFC and SFI	01	1,600,000
TEQIP-II/UP/UP2G01/28	Research/ PG Lab- Oil- 5	Required for b.Tech., M.Tech. and Ph. D. students	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	400,000	Direct Contract	F T I R Accessories	KBr Cells and Accessories	01	400,000
TEQIP-II/UP/UP2G01/29	Polymer Research Lab	For New PG Programme	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	02/09/2012	400,000	Shopping	Ultrasonicator	dispersion of nano particles	01	400,000
TEQIP-II/UP/UP2G01/30	polymer research lab 1	upgradation of lab	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	03/09/2012	200,000	Shopping	Homogenizer	dispersion of fillers	01	100,000
											Film applicator	making uniform films	01	100,000
TEQIP-II/UP/UP2G01/31	Strengthening of Hydraulics lab (CED)	With the coming up of new M.Tech programme various equipments related to Environmental hydraulics need to be purchased.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012	800,000	Shopping	Darcy law apparatus	A self circulating unit with facility of 0.5 HP pump, Piezometers for head measurement, measurement of permeability etc.	01	100,000
											Open channel flume	Closed circuit flume with accessories for study of hydraulic zump, transition, hump, flumes, spillway, broad crested and sharp crested weir, spillway for 1 HP pump with all relevent facilities.	01	700,000
TEQIP-II/UP/UP2G01/32	polymer research lab 2	making polymer test spaciemen	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	11/09/2012	800,000	Shopping	lab model injection moulding with mould	development of polymer product	01	800,000
TEQIP-II/UP/UP2G01/33	pg lab	enhancement of P.G work	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	11/09/2012	700,000	Shopping	hydraulic press		01	400,000

											cyogenic reactor		01	300,000
TEQIP-II/UP/UP2G01/34	polymer research lab 3	enhancement of PG lab &Phd	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	11/09/2012		Shopping	Standard Lid & PAN	Standard Lid & PAN for DSC	02	50,000
									200,000		Moulds for injection moulding	Test specimen- Disc, tensile, heat deflection under load	01	100,000
TEQIP-II/UP/UP2G01/35	Stengtheneing of CAD (Simulation lab) in CED & MED	Presently one full time and 2 part time M.Tech programme are running. Most of dissertation work that is being done by the students deals with simulation and computation work. Consequently it is imperative to upgrade the facilities in the simulation laboratory.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012		Shopping	UPS	Offline UPS 500 VA with 10 minutes backup	55	2,500
									242,500		Laser Printer	Printer with facility for fax, scanning and printing	07	15,000
TEQIP-II/UP/UP2G01/36	Stengthening of Concrete laboratory (CED)	A M.Tech programme is running in Structural Engineering. The research facility needs to be upgraded in Concrete and structures laboratory.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012		Shopping	Digital Concrete Test Hammer	Compressive Strength measurement : 10 – 100 MPa	01	200,000
									400,000		Rebar Locator	Features - Locating rebar, measuring concrete cover, determination of rebar diameters	01	200,000
TEQIP-II/UP/UP2G01/38	Strengthening of Transportation laboratory (CED)	Some equipments in the laboratory have become obsolete and thus there is a need to purchase new ones so tha the academics (in particular the PG research) does not suffer.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012		Shopping	Field California Beaing Ratio (CBR)	As per IS: 2720 (Part-3)	01	200,000
									450,000		Bump Integrator	As per CRR1 Design	01	250,000
TEQIP-II/UP/UP2G01/41	PG Electronics	strengthening of PG lab	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012		Shopping	Laser Printer All in One		02	12,250
									60,995		Laser Printer		05	7,299
TEQIP-II/UP/UP2G01/46	R & D PG ELECTRONICS 3	RESEARCH PURPOSE	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012		Direct Contract	Workbench for Vxworks6.x, Perpetual	Work bench for Vxworks provide a complete solution for device Software development Targeting Vxworks 6 based devices. Within this environment developers have access to a complete set of Software development capabilities for kernel space & user level device Software applications.	01	600,000
TEQIP-II/UP/UP2G01/47	PG Research FT	It is being proposed to enrich the laboratoryfacilities for reaserch point of view	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012		Direct Contract	Tray drier Make- Armfield Ltd, UK	•A floor standing tray drier with tunnel, axial fan and heating elements providing hot air to a compartment measuring 300x300x400mm, •Fan adjustable to give air velocities of 0.3-1.8m/s, Heater power adjustable up to 3kW,•An anemometer and aspirated psychrometer permit measurement of air speed and humidity,demonstration of	01	1,200,000
									1,200,000			drying rate regimes, effect of temperature and air flow rate on drying rate. Mass and energy balancing and the use of psychrometric charts.		

											Digital Analytical Balance	Capacity: up to 300 gm Readability/least count : 0.0001 gm	04	50,000
												Display: LCD		
TEQIP-II/UP/UP2G01/53	PG Research FT/BE 2	To enhance the analytical facility in bio chemical engg. and Food Technology lab	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012		Shopping	Double Beam UV-VIS Spectrophotometer	Double Beam, Silicon Photodiode x 2 detector, wave length range from 190- 740 nm with accuracy of 0.3 nm, variable scan speed with photometric range -3 Abs to +3 Abs/0 to 600%T and readout as ABS,%T, Concentration having colour LCD display	02	300,000
									600,000					
TEQIP-II/UP/UP2G01/54	Upgradation of Advanced Power electronics lab (EED)	The Power Electronics lab under Electrical engineering department needs upgradation for enhancing the research facilities.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	15/06/2012		Direct Contract	Real Time Power Electronics Electrical Systems Simulator	(R-TPESS) Real-Time Simulation - multiple rate, xhp for quad core CPU - four cores activated Real-Time Simulation Host - Node- locked development license Real-Time SimulationHost - Node-locked development license: (Multiple-processor) Real-Time SimulationHost - Node-locked development license: (Multiple-rate) Real-Time Simulation user- interface scripting and programming modules: (ALL programming interfaces) Real-Time Simulation Target license (Base scheduler) Real-Time Simulation Target Target license	01	4,000,000
									4,000,000			(Hard Real-Time single-rate scheduler) GUI Package:(Node-locked development license) Hardware OP5600 HIL Box real-time computer 3.46 GHz , 6 cores (OP5142) Analog Out (D/A) with 16 channels, 16 bits, 15mA, 1 us, ±1V to ±16V Solver Real-Time Simulation Target Power Elec. Sim. plug-in to SIMULINK (TSB) ARTEMIS (Total software and hardware)		
TEQIP-II/UP/UP2G01/55	PG Research BE	To enhance the research facility in the fermentation lab	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012		NCB	Bio Reactor (Computer Controlled)	Suitable for microbial and plant cell suspension culture. Two vessels (1 L & 5 L). With temperature, pH, DO, foam, agitation detection and control systems. Sample collection, nutritional inlet and outlets to use for continuous operation. Sterilization of media and air/oxygen facility. Programmable all control systems with printing facility of variables.	01	1,200,000
									1,200,000					
TEQIP-II/UP/UP2G01/56	Laser Ablation unit for upgradation of Electronics research lab	The research facility in Electronics Research lab needs upgradation for enhancing the doctoral studies	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012		Shopping	Laser Ablation unit	Chamber size: 300 mm dia x 350 mm height (both ends open and achieve vacuum sealing with top plate and bottom plate) Vacuum pumping system: OD-114D (diffstack type), 280 Lit/Sec. ED-21, 350 Lit/min 100mm butterfly valve type 25mm size (CV-25) Digital Pirani, Penning Gauge with sensor to read vacuum in the range of 0.5 mbar to 1 x 10-3 mbar and 10-3 to10-6 mbar Ultimate Vacuum (when LNT filled with Liquid Nitrogen): 1 x 10-6 mbar Utilities Required a. Power b. Water c. Liquid Nitrogen 230V AC, 50Hz, Single Phase, peak power consumption ~ 7KVA 4.5 Lit/min at 15-200 C inlet pressure of 2Kg/cm2 4-5 liters for one charge	01	1,000,000
									1,000,000					

TEQIP-II/UP/UP2G01/57	PG Research BE 1	To enhance the research facility in the PG Biochemical Engg. Research Lab	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	800,000	Shopping	Laminar flow work station	Particle retention 0.3 µm, velocity 90 FPM, high illumination (800 lumen), HEPA filters, pre filters, UV light and efficiency 99.99% at 0.3 µm, protecting fiber body, interior base made of SS 304.	01	100,000
											Deep freezer	-40 °C, more than 300 L, vertical with 2 openings, all interior made up of SS 304.	01	100,000
											Low temperature	Programmable temperature -40°C - 0°C, digital display, control of temperature in step of 0.5°C with accuracy of +- 0.1°C with temperature profile printing facility.	01	100,000
											Orbital shaking incubator	Temperature 10 °C - 80°C at ambient temperature of 35°C, capacity to hold 250 & 500 ml flask, RPM 0 – 400.	01	300,000
											Cooling centrifuge	Temperature 4°C to ambient, RPM 10000 in loading condition, variable heads to different heads, digital display and control of RPM and temperature with +- 1°C/RPM	01	200,000
TEQIP-II/UP/UP2G01/58	PG Research BE 2	To enhance research facility	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	750,000	Shopping	PCR	Real time, temperature control digital and programmable for entire range, holding capacity 40- 60 tubes, accuracy temperature +- 0.1°C and time 0.1 sec.	01	350,000
											Gel documentation system	Computer controlled data acquisition, storage and analysis. With all accessories including two different size of growth gel tank and various power supply notes, photography and printing facilities.	01	400,000
TEQIP-II/UP/UP2G01/59	Enhancement of Research and Development activities in CSE Department	The CSE Department has proposed to start a new M.Tech Programme in Computer Science and Engineering. In view of this the computational facilities needs to be upgrdated. Further the computational facilities in various departments of the institute needs to be upgrdaaed to enhance the research output.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	16/06/2012	4,880,000	NCB	Computers_Window based (CSE Department)	1.CPU: Intel Core i7-2600, 3.4 Ghz, 8 MB Cache or Better. 2.Chipset: Intel Q67 Express or higher on OEM Motherboard 3.Bus Architecture: 4 PCI(PC/PCI Express) 4.Memory: 8GB 1066 Mhz DDR3 RAM 5.Hard Disk Drive: 1TB 7200 rpm serial ATA HDD 6.Monitor:15/17 inch TFT digital color Monitor TCO-05 certified 7.Keyboard: 104 key 8.Mouse:optical with USB interface 9.Bays:3 nos or above 10.Ports:6 USB Port, audio ports for microphone and headphone in front 11.Mouse:optical with USB interface 12.Bays:3 nos or above 13.Ports:6 USB Port, audio ports for microphone and headphone in front 14.cabinet:small	20	40,000
												form factor(max 16 Liters) 15.DVD : DVD 8x Rewriter		
											Computers_Linux based (CSE Department)	Configuration same as WINDOS but with LINUS Operating system	20	40,000
											Computers (Electronic department)	Desktop Computer Core i3-2100 Processor,23.10GHZ/4GB RAM/1TB HDD/23"Full HD /DVD Writer (minimum specifications), W7 HP,1GB Graphic, W. LAN, Kbd +mouse	20	40,000

											Computers for CAD Lab (Civil Engineering Department)	Processor : 2nd Generation core i5 or latest Processor Speed >= 3.10GHz Processor cache Unified 6 MB Memory RAM: >= 4GB Motherboard: Intel, Intel H67 express chipset, Chipset Inf file 9.20.1009; HDD :Seagate SATA II 750GB or I TB; Monitor: 17" TFT LED; Intel HD 2000 Graphics card Resolution 1920x1200; 32 bit color Mouse: Optical ; Keyboard (Multimedia) (Operating System : Windows 7 ultimate (64-bit)	20	40,000
											Computers for CAD Lab (under MED)	Processor : 2nd Generation core i5 or latest Processor Speed >= 3.10GHz Processor cache Unified 6 MB Memory RAM: >= 4GB Motherboard: Intel, Intel	20	40,000
												H67 express chipset, Chipset Inf file 9.20.1009; HDD :Seagate SATA II 750GB or I TB; Monitor: 17" TFT LED; Intel HD 2000 Graphics card		
											Computers for Computaional lab (for Chemical Technology)	wITH SAME CONFIGURATION AS FOR Desktop computers proposed by CED/MED	18	40,000
											Computers (for MATHEMATICS Department)	Same as for CED, MED	04	40,000
TEQIP-II/UP/UP2G01/60	Strengthening of teaching and learning aids	The quality of teaching and learning needs to be upgraded with the latest e-aids so that teaching becomes more interactive and interesting.	Goods	Equipment	Improvement in teaching, training and learning facilities	No	Yes	16/06/2012	800,000	Direct Contract	LCD Projectors	Complete with all accessories and attachments	10	80,000
TEQIP-II/UP/UP2G01/62	Strengthening of research facilities (CSE Department)	The research infrastructure in CSE Department needs improvement.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	50,000	Direct Contract	MSDN	As per latest configuration	01	50,000
TEQIP-II/UP/UP2G01/63	Strengthening of Computational facilities (in CS Department)	It is proposed to start a new M.Tech programme. For which research facilities need to be upgraded.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	50,000	Direct Contract	Rational Suite Software	As per latest configuration	01	50,000
TEQIP-II/UP/UP2G01/64	Stengthening of research facilities_softwares (CSE Department)	The research facilities need to be upgraded for the proposed M.Tech programme.	Goods	Books & Learning Resources	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	300,000	Direct Contract	Network simulator	As per latest configuration Qualnet, Glomosim,	01	300,000
TEQIP-II/UP/UP2G01/66	Strengthening of e learning resources	For improvment of research facilities, it is prosed to subscribe to e resources in form of e journals and books.	Goods	Books & Learning Resources	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	16/06/2012	3,265,000	Direct Contract	Softwares (WADSIISO)	For analysis and design of water distribution system. (with optimization module as well)	01	400,000
											Softwares (Signal Pro Simulation Software Single user)	Signal Pro Simulation Software V-7	01	700,000
											Softwares (SYSTAT Software)	5 users software for carrying out statistical analysis, graphic user interphase for coupling with other simulation software.	01	500,000
											Softwares (TRANSYT, ARCADY)	For 5 users	01	545,000
											Softwares (FLUENT Software)	For 5 users	01	150,000
											STATEASE Design Expert Software	For 5 users	01	150,000
											MATLAB Software (MED)	For 5 users	01	200,000
											MATLAB Software (Electronics)	For 5 users	01	200,000
											MATLAB Software (CSE)	For 5 users	01	200,000
											MATLAB Software (CE)	For 5 users	01	200,000
											Antivirus-Total Security/internet security	30 user	01	20,000
TEQIP-II/UP/UP2G01/67	Refurbishment of Main Building of the institute	The roof of main building of the institute is in need of massive renovation for want of water proofing. It needs to be done on urgent basis for increasing the life of the building.	Civil Works	Refurbishment works	Incremental Operating Cost	No	No	16/06/2012	3,750,000	NCB	Water proofing of the main building of the institute	Water proofing using chemical treatment , membrane over the roof	01	3,750,000

TEQIP-II/UP/UP2G01/68	Augmentation of Furniture in various departments and central facilities of the institute	With the coming up of new PG programmes and some central facilities, furniture needs to be purchased. This will improve the overall infrastructure of the institute	Goods	Furniture	Enhancement of Research and Development and Institutional Consultancy activities	No	No	15/06/2012	1,740,000	NCB	Cushin Chair for e class room (Central facility for using as seminar)	Cushion chair with writing pad	200	2,000
											Cushion Chair (for Centralised Seminar Hall)	Cushion chair	300	4,000
											Computer tables and chairs for CED	For completing the lab for 20 computers	20	7,000
TEQIP-II/UP/UP2G01/69	Strengthening of learning resources	For improvment of research facilities, it is proposed to subscribe to e resources in form of e journals and books.	Goods	Books & Learning Resources	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	09/10/2012	3,800,000	Direct Contract	E journals	As per standard package available (to be used for maximum number of departments)	10000	330
											E books	As per standard package available (to be used for maximum number of departments)	1000	500