

Public Disclosure Authorized

Package Code	Package Name	Justification	Item Category	Item Sub Category
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TEQIP-II/NITH16/1	Dean office furniture	for Dean office (newly constructed)	Goods	Furniture
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TEQIP-II/NITH16/2	Furniture for Health Centre	newly Constructed for provide better health related facilities for all Nit student and staff members.	Goods	Furniture
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Public Disclosure Authorized

TEQIP-II/NITH16/3	furniture for faculty & Staff	for faculty & staff to be appointed in	Goods	Furniture
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near future as per sanctioned strength

TEQIP-II/NITH16/4	Furniture & Equipments for establishment of TEQIP Cell	Essentially required for the establishment of TEQIP Cell in the institution.	Goods	Furniture
TEQIP-II/NITH16/5	Furniture for Admin Branch	require for keeping personal files of students and staff members	Goods	Furniture
TEQIP-II/NITH16/6	Office Equipmment for TEQIP Cell	for establishment of TEQIP Cell in the institution	Goods	Equipment
TEQIP- II/NITH16/10	Library Equipment	for enhancement and upgradation of library facility	Goods	Equipment

TEQIP- II/NITH16/11	Central Library books & Learning Resources	for enhancement and upgradation of library facility	Goods	Books & Learning Resources
TEQIP- II/NITH16/13	Lab equipments for Energy and Environment Dept.	for upgradation lab facilities of Energy & Environment Department	Goods	Equipment
TEQIP- II/NITH16/15	labs civil dept	for enhancement & upgradation of Concrete Engg. Lab., Survey Lab., Geology Engg. Lab, Structural Engg. Lab	Goods	Equipment

TEQIP- II/NITH16/16	Equipments for Physics Dept.	Equipment for upgradation of Applied Optics Lab. (Physics Dept)	Goods	Equipment
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TEQIP-	Computer Department Equipments	to enhancement and upgradation of	Goods	Equipment
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II/NITH16/17

labs with latest technology

TEQIP- II/NITH16/18	Equipments HSS	for better facilities of department of Humanities.	Goods	Equipment
TEQIP- II/NITH16/19	equipment computer center	to management and enhancement of networks and provide better facility to student	Goods	Equipment
TEQIP- II/NITH16/20	equipment of Math Dept.	for upgradation of facility for research work for research scholars	Goods	Equipment
TEQIP- II/NITH16/21	equipments for Elect. Dept.	For providing better facilities in the labs of Electrical Dept.	Goods	Equipment

TEQIP- II/NITH16/22	Equipment Electronics & Communication Eng Dept	for providing better facilities to Student	Goods	Equipment
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TEQIP- II/NITH16/23	Equipments for Mechanical Eng. Dept.	for upgradation of labs with updates technologies/equipment	Goods	Equipment
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TEQIP-	equipments for Chemistry Dept.	to provide upgraded facilities to student	Goods	Equipment
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TEQIP- II/NITH16/25	Equipments for CMSE	upgradation to facilities for student	Goods	Equipment
TEQIP- II/NITH16/26	Providing training to Faculty and staff members		Services	Training
TEQIP- II/NITH16/27	Maintainance & renovation	for Campus Development	Civil Works	Refurbishment works

Activity Name	Is Proprietary	Through DGS & D	Estimated Financial Sanction Date	Total Estimated Cost	Proc. Method
Institutional Management Capacity enhancement	No	No	04/10/2012	557600.00	Shopping
Institutional Management Capacity enhancement	No	No	04/10/2012	918000.00	Shopping
Faculty and Staff development for	No	No	04/10/2012	1500000.00	NCB

improved competence based on Training
Needs Analysis (TNA)

Institutional Management Capacity enhancement	No	No	04/10/2012	110000.00 Shopping
Institutional Management Capacity enhancement	No	No	04/10/2012	640000.00 Shopping
Providing Assistantships for increased enrolment in existing and new PG Programmes in Engineering disciplines	No	No	04/10/2012	141000.00 Shopping
Institutional Management Capacity enhancement	No	No	04/10/2012	1329000.00 NCB

Enhancement of Research and Development and Institutional activities	Yes	No	04/10/2012	7000000.00 Direct Contract
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Enhancement of Research and Development and Institutional activities	No	No	04/10/2012	2500000.00 LIB
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Enhancement of Research and Development and Institutional activities	No	No	04/10/2012	3545000.00 NCB
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Enhancement of Research and Development and Institutional activities	No	No	04/10/2012	1420000.00 NCB
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Enhancement of Research and	No	No	04/10/2012	5000000.00 LIB
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Development and Institutional Consultancy activities

Enhancement of Research and Development and Institutional Consultancy activities No No 05/10/2012 500000.00 Shopping

Enhancement of Research and Development and Institutional Consultancy activities No No 04/10/2012 5000000.00 NCB

Enhancement of Research and Development and Institutional Consultancy activities No No 04/10/2012 500000.60 Shopping

Enhancement of Research and Development and Institutional Consultancy activities No No 04/10/2012 5000000.00 LIB

Enhancement of Research and Development and Institutional activities	No	No	04/10/2012	5000000.00 NCB
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Enhancement of Research and Development and Institutional activities	No	No	04/10/2012	4800000.00 NCB
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Faculty and Staff development for	No	No	04/10/2012	1993522.00 NCB
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improved competence based on Training
Needs Analysis (TNA)

Enhancement of Research and Development and Institutional activities	No	No	04/10/2012	2500000.00 LIB
Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)	No	No	05/10/2012	2500000.00 Indv Consultant Comp.
Implementation of Institutional reforms	No	No	05/10/2012	3750000.00 NCB

Item Name	Item Description	Item Quantity	Item Estimated Cost Per Unit
Excutive table main Desk		04	25000.00
Joining Top to main desk		04	9900.00
Return Desk (Side Table)		04	2500.00
Soffa Two Seater		04	20000.00
Soffa Three Seater		04	25000.00
Book Case four Drawers		04	18000.00
Central Table		04	5500.00
Executive high back chair		04	14000.00
Visitor Chairs		16	3500.00
White Board		04	5500.00
Trip Three seater (waiting chair)		10	12000.00
Examination Couch		03	50000.00
Book case		01	10000.00
Table for Medical Officer		02	25000.00
Chair for Medical Officer		02	8000.00
Lab Table		01	80000.00
Vita ICCU Bed with acessories		01	80000.00
Lab Chair		01	5000.00
Vita lite semi fowler beds		04	50000.00
Folding wheel chair		01	20000.00
Infants crib with stand		01	18000.00
Three fold screen		03	15000.00
Glass door storewel		02	12000.00
Lab stools		04	5000.00
Personal locker unit		02	20000.00
Trolleys & Carts		02	20000.00

Office table good quality (faculty staff)	30	10000.00
Office chair good quality (faculty staff)	30	7000.00
Visitor Chairs (Faculty) three each	90	6000.00
Book case (faculty staff)	30	10000.00
Office Chairs	30	5000.00
Office table (for coordinator)	01	15000.00
Office table (for staff)	02	14000.00
Office chair (for coordintator)	01	9000.00
office chair (for staff)	02	7000.00
Visitor chairs	04	6000.00
Book case/ Record rack	02	10000.00
Office chairs (for Adminstrative officers)	10	10000.00
Office chairs for Ministerial Staff	40	9000.00
Steel Almirah/Records racks	20	9000.00
Computer alongwith accessories	03	40000.00
Scanner	01	7000.00
Printer	02	7000.00
Computer(for digital Lib Hall & for OPAC)	40	30000.00
Xerox Machine(B&W)	01	60000.00
Scanner	04	6000.00

Surveillance camera	15	3000.00
Books	3000	500.00
E-books	2000	500.00
Journals(hard copy)	3000	1000.00
E-Journals and others	3000	500.00
Solar thermal experimental system with flat plate collector with data acquisition system	01	800000.00
Bomb Calorimeter	01	1000000.00
Workstation for Energy simulation	05	95000.00
Computer Systems	05	45000.00
Gill More Needle Appratus(Concrete Engg. lab)	01	15000.00
Kelley(Concrete Engg. Lab)	01	20000.00
Sieve Shaker(Concrete Engg. Lab)	01	40000.00
Concrete Permeability apparatus (Concrete Engg. lab)	01	100000.00
Land Surveying & Mapping software 20 user License	01	100000.00
Mirror Stereoscopes(Survey Lab)	06	45000.00
Mineral Specimens(Geo. Lab)	01	200000.00
Rock Speciimens(Geo. Lab.)	01	200000.00
Field Descriptive Models of rocks in Engineering Practice(Geo. Lab)	01	150000.00
Oblique shear Testing equipment for rock (geo. lab)	01	200000.00

Rock Coring Machine for Geo. Lab.	01	250000.00
Rock Cutting Machine for Geo. Lab.	01	150000.00
Rock Grinding & Polishing Machine for Geo. Lab.	01	150000.00
Statics Fundamentals Apparatus (Structural Lab.)	01	30000.00
Structures Test Frame Apparatus	01	20000.00
Bending Moments in a Beam Apparatus for Struct. Engg. Lab.	01	200000.00
Shear Force in a Beam apparatus for struct. Eng. Lab.	01	150000.00
Bending Stress in a Beam Apparatus (Struct. Lab.)	01	200000.00
Torsion of Circular Section appartus (Struct. Lab.)	01	200000.00
Pim Jointed rent work appartus (Struct. Lab.)	01	200000.00
Buckling of Struts appartus (Struct. Lab.)	01	200000.00
Consinuous & Indeter minate Beam appartus (Struct. Lab.)	01	200000.00
Curved deflaction & reaction appartus (Struct. Lab.)	01	200000.00
Frame deflections & reaction appartus (Struct. Lab.)	01	100000.00
Diode laser System	01	400000.00
Fiber Optic Spectrometer	01	250000.00
UV- Visible spectrophotometer	01	400000.00
Programmable voltage source (Thin Films & Elect. Char. Lab.)	01	325000.00
Temperature Controller setup & interfacing soft.	01	20000.00
Rotary vacuum pump	01	25000.00

Network Security analysis kit		05	200000.00
IPV6 test bed		02	500000.00
Mobile nodes		100	10000.00
Intrusion Detection tools		01	1000000.00
Pcs		10	50000.00
Server		05	100000.00
Laptops		06	50000.00
Photocopier		01	200000.00
Desktop		100	35000.00
Campuswide Networking		01	1500000.00
Laptop		07	64285.80
Printer & Scanner		01	50000.00
ANSYS Academic Research EM(H. V. lab)	Computer Software tools for Electromagnetic design and Analysis for use of PG students for HV Items	01	600000.00
Grounding/Earthing Analysis(H.V. Lab.)	AUTO GRID EARTHING MAT design for designing rule based automated earthing mat design using parameters as Touch Potential rise, Soil resistivity etc.	05	120000.00

DIGITAL EARTH RESISTANCE TESTER (H.V. LAB.)	Digital earth resistance meter with accuracy 0.1%. The equipment should be powered with suitable battery and probes as per IS design compatible	01	100000.00
Electric field strength meter(H.V. Lab)	Digital meter for recording electric fields in space ranges 0-20pc Accuracy 0.1%	01	200000.00
Digital Recorder & Impulse Analysing System (H.V. Lab)	DIAS system for High Impulse Voltage Recording & Analysis upto 220KV level testing	01	500000.00
Twin Rotor System Set-up (Control System Lab)	Demonstrating the principles of a non-linear MIMO system, modelling the behavior of a helicopter with fixed angle of attack of the rotors, with control of aerodynamic forces by varying the speeds of the motors. * Interface with MATLAB software enabling design and test stabilizing controllers. *Accessories should include all the software/hardwares for interfacing including computer.	01	700000.00
PLC training system with Analog Input/Output and accessories(Control System Lab.)	Allen Bradley/Siemens/Mitsubishi PLC, configurable to both 24 V dc & 230V ac, Built in 24 V DC power supply, Optically Isolated I/Os. Digital inputs & outputs, Analog input/outputs, outputs relays and MOSFETS, 14 inputs, 10 outputs, (2 analog input, 2 analog output), Isolated,	01	200000.00

I/O LED indication on front line panel, 64 Kbytes memory, I/O simulating devices (switches, Proximities, push buttons), Provision to interface PLC module with customized system and for student project interface.

Computer (Control System Lab)	Pentium IV with Latest Configuration	02	40000.00
Printer (Control System Lab)	LaserJet printer with 16 ppm or higher speed.	02	10000.00
Computer to Power Simulation Lab	Pentium(R) G645 processor with Latest Configuration	37	40000.00
Printer to Power Simulation Lab	LaserJet printer with 16 ppm or higher speed.	02	10000.00
TMT- machine (PC based Stress ECG system)	Should include: (i) Both resting 12 lead ECG and stress test on one system (ii)Treadmill (iii) Compatible Computer Hardware (iv) Acquisition ,review and analysis Software	01	250000.00
Handheld Iris camera and iris Recognition software with compatible Image Acquisition Board	i.Identification rate – 99.9 % or higher ii.Identification Speed- Less than 1 second iii.False Acceptance rate : 0.000083% or less iv.Power Consumption – 300 mA max v.Operating temperature- 5° to 35° C vi.Operating Humidity- 30%-85% vii.Size (approx)- 59 mm (W) X52 mm (D) X121mm(H) viii.Weight (approx)-	01	220000.00

Electronic Signature capture device	160 gm Signing Surface/Tools Touchpad Technology LCD Tech. Touchpad Resolution	03	10000.00
Black & white printer Heavy duty Network Printer		03	100000.00
Xilinx Software (Ten users)		01	400000.00
Workstations		05	60000.00
PhySim : Digital Communication Trainer (10 users)		01	400000.00
Wi-Fi application board		05	50000.00
Zigbee trainer System		01	100000.00
Data Communication Trainers with simulating software(20 users)		01	950000.00
Microwave Test Benches for X-band with Gunn Source		02	200000.00
Microwave Test Benches for X-Band with Klystron Source		02	250000.00
Visual TCAD and Genius Simulation ToolKit (3 users)		01	1400000.00
Micro Hardness tester (10 to 1000 grams) with digital output(production lab)		01	1000000.00
Universal Impact Tester with digital output display(production lab)	Izod/Charpy/Tensile impact tester	01	900000.00
Wind Tunnel Test Rig (Advanced Fluid Lab)		01	1500000.00
Upgradation Journal Bearings Test Rig(Tribology Lab)		01	600000.00
Thrust/Tilting Pad Test Rig (Tribology lab)		01	800000.00

Fume Hood	Working in nitrogen and argon atmosphere with a vacuum pump nitrogen and argon cylinders For doing the chemical reactions in a sensitive environment and inert atmosphere	01	500000.00
High Speed Cooling Centrifuge (Floor top)	Maximum speed 25000 rpm, cooling up to 0°C, with different fixed angle and swinging bucket rotors for the tubes having volumes 1.5 ml, 15 ml, 50 ml, 100 ml and 500 ml For centrifugation different types of materials, including which are temperature sensitive	01	300000.00
Autoclave	100L, mode of operation: Media and Dry For sterilization of different biological samples, accessories, medias etc.	01	40000.00
-80°C freezer	200 L capacity For storage of highly sensitive biomaterials, cell lines etc.	01	300000.00
Orbital Shaking Incubator	Maximum speed of shaking 400 rpm, with a working temperature range from 15 to 70°C with a shaking platform to accommodate 100 ml, 250 ml, 500 ml, 1L and 2L culture flasks For performing cell culture in medias and plates	01	300000.00
Electrical Conductivity Meter	The resistivity chamber, along with the associated	01	60000.00

voltage generators and current measuring devices, used to measure conductivity of polymer composites. Instrument should be specially designed and shielded for low conductivity materials, which can measure both bulk conductivity and surface conductivity.

-20°C freezer	220 L capacity For routine storage of different chemicals and biochemicals	01	20000.00
Sophisticated Vacuum Pump	High vacuum pump, 30 L/min (LPM) free air displacement, vacuum up to 15 mtorr	01	100000.00
Refrigerator	Ordinary refrigerator having temperature control at 4°C, 400 L capacity For storage of different temperature sensitive chemicals	01	20000.00
Computers	Processor: 3rd Generation Intel Core i5-3330S processor (3.10 GHz) Operating System: Window 7 Home Premium SP1 64 bit (English) Memory: 4GB Dual Channel DDR3 SDRAM Hard Drive: 1TB SATA 3.0Gb/s with Native Command Queuing Monitor: 20" HD Widescreen Flat Panel Supporting video card and optical drive	03	40000.00

Printer: Black & White Laser Jet (three in one facility)		
Office Chair Model-Regency High Back Godrej FU7001DX005SXXXX	03	11699.00
Wooden Computer table Target plus (CC: 55) Godrej FUTPLUSX055SXXXX	03	5000.00
Store well Plain: Godrej STSW00GXXX	03	10000.00
Regency visitor without armrest chair	12	6412.00
Task chair with armrest Godrej FU41031X005SXXXX	03	3239.00
Stool FUST2XXX019SXTRD	06	794.00
Four Door Book case	03	4000.00
Table Trident Middle Godrej	02	20000.00
printer black & white laserjet 3 in one	01	10000.00
Hydraulic Hot Press	01	1000000.00
PCs	10	60000.00
LAN Printer	01	100000.00
UPS for XRD lab (30 - KVA)	01	300000.00
UPS for SEM lab (15KVA)	01	300000.00
Chemicals for conducting Practical Work	01	200000.00
all works including maintainance of insitution	01	3750000.00

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
TEQIP-II/NITH16/1	Dean office furniture	for Dean office (newly constructed)	Goods	Furniture	Institutional Management Capacity enhancement	No	No	04/10/2012	557600.00	Shopping	Excutive table main Desk		04
											Joining Top to main desk		04
											Return Desk (Side Table)		04
											Soffa Two Seater		04
											Soffa Three Seater		04
											Book Case four Drawers		04
											Central Table		04
											Executive high back chair		04
											Visitor Chairs		16
											White Board		04
TEQIP-II/NITH16/2	Furniture for Health Centre	newly Constructed for provide better health related facilities for all Nit student and staff members.	Goods	Furniture	Institutional Management Capacity enhancement	No	No	04/10/2012	918000.00	Shopping	Trip Three seater (waiting chair)		10
											Examination Couch		03
											Book case		01
											Table for Medical Officer		02
											Chair for Medical Officer		02
											Lab Table		01
											Vita ICCU Bed with accessories		01
											Lab Chair		01
											Vita lite semi fowler beds		04
											Folding wheel chair		01
											Infants crib with stand		01
											Three fold screen		03
											Glass door storewel		02
											Lab stools		04
											Personal locker unit		02
											Trolleys & Carts		02
TEQIP-II/NITH16/3	furniture for faculty & Staff	for faculty & staff to be appointed in near future as per sanctioned strength	Goods	Furniture	Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)	No	No	04/10/2012	1500000.00	NCB	Office table good quality (faculty staff)		30
											Office chair good quality (faculty staff)		30
											Visitor Chairs (Faculty) three each		90
											Book case (faculty staff)		30
											Office Chairs		30
TEQIP-II/NITH16/4	Furniture & Equipments for establishment of TEQIP Cell	Essentially required for the establishment of TEQIP Cell in the institution.	Goods	Furniture	Institutional Management Capacity enhancement	No	No	04/10/2012	110000.00	Shopping	Office table (for coordinator)		01
											Office table (for staff)		02
											Office chair (for coordintator)		01
											office chair (for staff)		02
											Visitor chairs		04
											Book case/ Record rack		02
TEQIP-II/NITH16/5	Furniture for Admin Branch	require for keeping personal files of students and staff members	Goods	Furniture	Institutional Management Capacity enhancement	No	No	04/10/2012	640000.00	Shopping	Office chairs (for Adminstrative officers)		10
											Office chairs for Ministerial Staff		40
											Steel Almirah/Records racks		20
TEQIP-II/NITH16/6	Office Equipmment for TEQIP Cell	for establishment of TEQIP Cell in the institution	Goods	Equipment	Providing Assistantships for increased enrolment in existing and new PG Programmes in Engineering disciplines	No	No	04/10/2012	141000.00	Shopping	Computer alongwith accessories		03
											Scanner		01

											Printer		02
TEQIP- II/NITH16/10	Library Equipment	for enhancement and upgradation of library facility	Goods	Equipment	Institutional Management Capacity enhancement	No	No	04/10/2012	1329000.00	NCB	Computer(for digital Lib Hall & for OPAC)		40
											Xerox Machine(B&W)		01
											Scanner		04
											Surveillance camera		15
TEQIP- II/NITH16/11	Central Library books & Learning Resources	for enhancement and upgradation of library facility	Goods	Books & Learning Resources	Enhancement of Research and Development and Institutional Consultancy activities	Yes	No	04/10/2012	7000000.00	Direct Contract	Books		3000
											E-books		2000
											Journals(hard copy)		3000
											E-Journals and others		3000
TEQIP- II/NITH16/13	Lab equipments for Energy and Environment Dept.	for upgradation lab facilities of Energy & Environment Department	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	2500000.00	LIB	Solar thermal experimental system with flat plate collector with data acquisition system		01
											Bomb Calorimeter		01
											Workstation for Energy simulation		05
											Computer Systems		05
TEQIP- II/NITH16/15	labs civil dept	for enhancement & upgradation of Concrete Engg. Lab., Survey Lab., Geology Engg. Lab, Structural Engg. Lab	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	3545000.00	NCB	Gill More Needle Apparatus(Concrete Engg. lab)		01
											Kelley(Concrete Engg. Lab)		01
											Sieve Shaker(Concrete Engg. Lab)		01
											Concrete Permeability apparatus (Concrete Engg. lab)		01
											Land Surveying & Mapping software 20 user License		01
											Mirror Stereoscopes(Survey Lab)		06
											Mineral Specimens(Geo. Lab)		01
											Rock Specimens(Geo. Lab.)		01
											Field Descriptive Models of rocks in Engineering Practice(Geo. Lab)		01
											Oblique shear Testing equipment for rock (geo. lab)		01
											Rock Coring Machine for Geo. Lab.		01
											Rock Cutting Machine for Geo. Lab.		01
											Rock Grinding & Polishing Machine for Geo. Lab.		01
											Statics Fundamentals Apparatus (Structural Lab.)		01
											Structures Test Frame Apparatus		01
											Bending Moments in a Beam Apparatus for Struct. Engg. Lab.		01
											Shear Force in a Beam apparatus for struct. Eng. Lab.		01
											Bending Stress in a Beam Apparatus (Struct. Lab.)		01
											Torsion of Circular Section apparatus (Struct. Lab.)		01
											Pim Jointed rent work appartus (Struct. Lab.)		01
											Buckling of Struts appartus (Struct. Lab.)		01
											Consinuous & Indeter minate Beam appartus (Struct. Lab.)		01
											Curved deflection & reaction appartus (Struct. Lab.)		01

											Frame deflections & reaction apparatus (Struct. Lab.)		01
TEQIP- II/NITH16/16	Equipments for Physics Dept.	Equipment for upgradation of Applied Optics Lab. (Physics Dept)	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	1420000.00	NCB	Diode laser System		01
											Fiber Optic Spectrometer		01
											UV- Visible spectrophotometer		01
											Programmable voltage source (Thin Films & Elect. Char. Lab.)		01
											Temperature Controller setup & interfacing soft.		01
											Rotary vacuum pump		01
TEQIP- II/NITH16/17	Computer Department Equipments	to enhancement and upgradation of labs with latest technology	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	5000000.00	LIB	Network Security analysis kit		05
											IPV6 test bed		02
											Mobile nodes		100
											Intrusion Detection tools		01
											Pcs		10
											Server		05
TEQIP- II/NITH16/18	Equipments HSS	for better facilities of department of Humanities.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	05/10/2012	500000.00	Shopping	Laptops		06
											Photocopier		01
TEQIP- II/NITH16/19	equipment computer center	to management and enhancement of networks and provide better facility to student	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	5000000.00	NCB	Desktop		100
											Campuswide Networking		01
TEQIP- II/NITH16/20	equipment of Math Dept.	for upgradation of facility for research work for research scholars	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	500000.60	Shopping	Laptop		07
											Printer & Scanner		01
TEQIP- II/NITH16/21	equipments for Elect. Dept.	For providing better facilities in the labs of Electrical Dept.	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	5000000.00	LIB	ANSYS Academic Research EM(H. V. lab)	Computer Software tools for Electromagnetic design and Analysis for use of PG students for HV Items	01
											Grounding/Earthing Analysis(H.V. Lab.)	AUTO GRID EARTHING MAT design for designing rule based automated earthing mat design using parameters as Touch Potential rise, Soil resistivity etc.	05
											DIGITAL EARTH RESISTANCE TESTER (H.V. LAB.)	Digital earth resistance meter with accuracy 0.1%. The equipment should be powered with suitable battery and probes as per IS design compatible	01
											Electric field strength meter(H.V. Lab)	Digital meter for recording electric fields in space ranges 0-20pc Accuracy 0.1%	01
											Digital Recorder & Impulse Analysing System (H.V. Lab)	DIAS system for High Impulse Voltage Recording & Analysis upto 220KV level testing	01

											Twin Rotor System Set-up (Control System Lab)	Demonstrating the principles of a non-linear MIMO system, modelling the behavior of a helicopter with fixed angle of attack of the rotors, with control of aerodynamic forces by varying the speeds of the motors. * Interface with MATLAB software enabling design and test stabilizing controllers. *Accessories should include all the software/hardwares for interfacing including computer.	01
											PLC training system with Analog Input/Output and accessories(Control System Lab.)	Allen Bradley/Siemens/Mitsubishi PLC, configurable to both 24 V dc & 230V ac, Built in 24 V DC power supply, Optically Isolated I/Os. Digital inputs & outputs, Analog input/outputs, outputs relays and MOSFETS, 14 inputs, 10 outputs, (2 analog input, 2 analog output), Isolated,	01
												I/O LED indication on front line panel, 64 Kbytes memory, I/O simulating devices (switches, Proximities, push buttons), Provision to interface PLC module with customized system and for student project interface.	
											Computer (Control System Lab)	Pentium IV with Latest Configuration	02
											Printer (Control System Lab)	LaserJet printer with 16 ppm or higher speed.	02
											Computer to Power Simulation Lab	Pentium(R) G645 processor with Latest Configuration	37
											Printer to Power Simulation Lab	LaserJet printer with 16 ppm or higher speed.	02
											TMT- machine (PC based Stress ECG system)	Should include: (i) Both resting 12 lead ECG and stress test on one system (ii)Treadmill (iii) Compatible Computer Hardware (iv) Acquisition ,review and analysis Software	01
											Handheld Iris camera and iris Recognition software with compatible Image Acquisition Board	i.Identification rate – 99.9 % or higher ii.Identification Speed- Less than 1 second iii.False Acceptance rate : 0.000083% or less iv.Power Consumption – 300 mA max v.Operating temperature- 5° to 35° C vi.Operating Humidity- 30%-85% vii.Size (approx)- 59 mm (W) X52 mm (D) X121mm(H) viii.Weight (approx)-	01
												160 gm	
											Electronic Signature capture device	Signing Surface/Tools Touchpad Technology LCD Tech. Touchpad Resolution	03
TEQIP- II/NITH16/22	Equipment Electronics & Communication Eng Dept	for providing better facilities to Student	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	5000000.00	NCB	Black & white printer Heavy duty Network Printer		03
											Xilinux Software (Ten users)		01
											Workstations		05
											PhySim : Digital Communication Trainer (10 users)		01
											Wi-Fi application board		05
											Zigbee trainer System		01
											Data Communication Trainers with simulating software(20 users)		01
											Microwave Test Benches for X-band with Gunn Source		02
											Microwave Test Benches for X-Band with Klystron Source		02
											Visual TCAD and Genius Simulation ToolKit (3 users)		01

TEQIP- II/NITH16/23	Equipments for Mechanical Eng. Dept.	for upgradation of labs with updates technologies/equipment	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	480000.00	NCB	Micro Hardness tester (10 to 1000 grams) with digital output(production lab)		01
											Universal Impact Tester with digital output display(production lab)	Izod/Charpy/Tensile impact tester	01
											Wind Tunnel Test Rig (Advanced Fluid Lab)		01
											Upgradation Journal Bearings Test Rig(Tribology Lab)		01
											Thrust/Tilting Pad Test Rig (Tribology lab)		01
TEQIP- II/NITH16/24	equipments for Chemistry Dept.	to provide upgraded facilities to student	Goods	Equipment	Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)	No	No	04/10/2012	1993522.00	NCB	Fume Hood	Working in nitrogen and argon atmosphere with a vacuum pump nitrogen and argon cylinders For doing the chemical reactions in a sensitive environment and inert atmosphere	01
											High Speed Cooling Centrifuge (Floor top)	Maximum speed 25000 rpm, cooling up to 0°C, with different fixed angle and swinging bucket rotors for the tubes having volumes 1.5 ml, 15 ml, 50 ml, 100 ml and 500 ml For centrifugation different types of materials, including which are temperature sensitive	01
											Autoclave	100L, mode of operation: Media and Dry For sterilization of different biological samples, accessories, medias etc.	01
											-80°C freezer	200 L capacity For storage of highly sensitive biomaterials, cell lines etc.	01
											Orbital Shaking Incubator	Maximum speed of shaking 400 rpm, with a working temperature range from 15 to 70°C with a shaking platform to accommodate 100 ml, 250 ml, 500 ml, 1L and 2L culture flasks For performing cell culture in medias and plates	01
											Electrical Conductivity Meter	The resistivity chamber, along with the associated voltage generators and current measuring devices, used to measure conductivity of polymer composites. Instrument should be specially designed and shielded for low conductivity materials, which can measure both bulk conductivity and surface conductivity.	01
											-20°C freezer	220 L capacity For routine storage of different chemicals and biochemicals	01
											Sophisticated Vacuum Pump	High vacuum pump, 30 L/min (LPM) free air displacement, vacuum up to 15 mtorr	01
											Refrigerator	Ordinary refrigerator having temperature control at 4°C, 400 L capacity For storage of different temperature sensitive chemicals	01
											Computers	Processor: 3rd Generation Intel Core i5-3330S processor (3.10 GHz) Operating System: Window 7 Home Premium SP1 64 bit (English) Memory: 4GB Dual Channel DDR3 SDRAM Hard Drive: 1TB SATA 3.0Gb/s with Native Command Queuing Monitor: 20" HD Widescreen Flat Panel Supporting video card and optical drive	03
											Printer: Black & White Laser Jet (three in one facility)		
											Office Chair Model-Regency High Back Godrej FU7001DX005SXXXX		03

											Wooden Computer table Target plus (CC: 55) Godrej FUTPLUSX055SXXXX		03
											Store well Plain: Godrej STSW00GXXX		03
											Regency visitor without armrest chair		12
											Task chair with armrest Godrej FU41031X005SXXXX		03
											Stool FUST2XXX019SXTRD		06
											Four Door Book case		03
											Table Trident Middle Godrej		02
											printer black & white laserjet	3 in one	01
TEQIP- II/NITH16/25	Equipments for CMSE	upgradation to facilities for student	Goods	Equipment	Enhancement of Research and Development and Institutional Consultancy activities	No	No	04/10/2012	2500000.00	LIB	Hydraulic Hot Press		01
											PCs		10
											LAN Printer		01
											UPS for XRD lab (30 - KVA)		01
											UPS for SEM lab (15KVA)		01
											Chemicals for conducting Practical Work		01
TEQIP- II/NITH16/26	Providing training to Faculty and staff members		Services	Training	Faculty and Staff development for improved competence based on Training Needs Analysis (TNA)	No	No	05/10/2012	2500000.00	Indv Consultant Comp.			
TEQIP- II/NITH16/27	Maintainance & renovation	for Campus Development	Civil Works	Refurbishment works	Implementation of Institutional reforms	No	No	05/10/2012	3750000.00	NCB	all works including maintainance of insitution		01

Item Estimated Cost Per Unit
25000.00
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