

National Institute of Technology Raipur

Equipment purchased under TEQIP-II

Department	Package no	Name of Equipment	Cost of single unit	Number of units purchased	Total cost of Equipment
Biomedical	BM-01	Workstation	77,700	3	2,33,100.00
		TFT Monitor	26,933	3	80,798.00
		Graphic Card	27,930	3	83,790.00
	BM-02	Software COMSOL	10,04,400	1	10,04,400.00
	BM-03	Software - MIMICS Base Module	13,50,000	1	13,50,000.00
Biotechnology	BT-01	CO2 Incubator	3,81,900	1	3,81,900.00
	BT-02	BOD Incubator	1,60,512	1	1,60,512.00
	BT-03	Incubator Shaker	1,68,150	2	3,36,300.00
	BT-04	Tensile Tester Digital	1,96,875	1	1,96,875.00
	BT-05	Megnatic Stirrer with hot plate	6,841	2	13,683.00
	BT-06	High Performance Liquid Chromatograph and its accessories	24,06,000	1	24,06,000.00
	BT-07	MiliQ Water Purification	8,32,500	1	8,32,500.00
Civil Engineering	CE-05	Impact of Jet Apparatus	35,910	1	35,910.00
		Notch Apparatus	35,175	1	35,175.00
		Venturimeter & Orificemeter Apparatus	35,490	1	35,490.00
	CE-08	Current Meter	27,563	1	27,563.00
		Pan Evaoparator	18,562	1	18,562.00
		Rain Guauge System.	56,250	1	56,250.00
	CE-10	Load Cells of Various Capacities	6,39,000	1	6,39,000.00

	CE-13	Universal Vibration Apparatus	72,622	1	72,622.00
	CE-15	Watershed Modelling System	3,49,344	1	3,49,344.00
	CE-16	Surface Water Modelling System	7,99,038	1	7,99,038.00
	CE-17	Bentley Software	14,98,350	1	14,98,350.00
Chemistry	CH-01	UV-Visible Spectrometer	3,24,900	1	3,24,900.00
	CH-02	Rotary Evaporator	1,77,360	1	1,77,360.00
	CH-03	Melting point apparatus	20,748	1	20,748.00
	CH-09	Heating Mantles	6,300	1	6,300.00
	CH-10	Vacuum Pump	84,075	1	84,075.00
Chemical Engineering	CHCL-01	Visible Spectrophotometer	82,707	1	82,707.00
	CHCL-02	Contact angle analyzer	7,79,035	1	7,79,035.00
	CHCL-03	Spinix Vortex shaker with speed controller	10,021	1	10,021.00
	CHCL-04	Laboratory Centrifuge	40,000	1	40,000.00
	CHCL-05	Ultrasonic Cleaner	36,000	1	36,000.00
	CHCL-06	Chloroscope with Comparator for chlorine test	22,900	1	22,900.00
	CHCL-07	Regulated DC Power Supply	42,750	1	42,750.00
	CHCL-08	Centrifugal Pump	19,766	1	19,766.00
	CHCL-10	Filed gas cylinder Nitrogen	23,256	1	23,256.00
	CHCL-11	<u>Potentiostat/Galvanostat</u>	13,82,473	1	13,82,473.00
	CHCL-12	<u>Particle size Analyzer</u>	6,61,200	1	6,61,200.00
	CHCL-13	<u>Printer</u>	9,227	6	55,364.00

Institute level	CM-01	Multimedia Projector	1,03,231	4	4,12,925.00
	CM-02	Interactive Board	77,049	4	3,08,198.00
	CM-03	Online UPS	83,964	4	3,35,857.00
	CM-04	Audio System	11,514	4	46,056.00
	CM-05	Air Conditioners	34,277	24	8,22,646.00
	CM-06	Cat 6 Cable Bundle	5,460	8	43,680.00
		IO Box	242	240	57,960.00
		RJ-45 Connectors	7	800	5,880.00
		Router	3,150	4	12,600.00
		Switch	15,750	16	2,52,000.00
Electrical Engineering	EE-04	Workstation	2,03,700	1	2,03,700.00
	EE-05	MOSFET or IGBT Power Module	2,41,048	1	2,41,048.00
	EE-06	YOKOGAWA data acquisition system cum oscilloscope	8,56,013	1	8,56,013.00
	EE-07	Static VAR Compensation-thyristor Controlled Series Capacitor	6,97,882	1	6,97,882.00
	EE-08	Advance Control Education Kit	5,64,425	1	5,64,425.00
	EE-09	Three Phase Facts Controller	8,47,546	1	8,47,546.00
	EE-10	Signal Analyzers	6,97,882	1	6,97,882.00
Electronics & Telecommunication	ELEC-01	Vector network Analyzer	18,08,208	1	18,08,208.00
	ELEC-02	NI Image Processing Smart Camera Equipments	16,08,750	1	16,08,750.00
	ELEC-03	Silvaco Requirement for Micro Electronics	12,13,000	1	12,13,000.00

Institute level	INST	Motorized Screen	18,848	5	94,238.00
	<u>INST-1-AC</u>	Air Conditioner	40,914	16	6,54,617.00
	<u>INST-2-Motorized Screen</u>	Motorized Screen	25,250	2	50,500.00
	<u>INST-3-Audio System</u>	Audio Systems	41,124	2	82,242.00
	INST-COMP-01	Computers	56,722	40	22,68,863.00
	INST-COMP-02	Desktop Computers	53,971	32	17,27,074.00
	INST-PROJ.-1	<u>Multi Media Projector</u>	62,438	2	1,24,875.00
Information Technology	IT-01	LEGO® MINDSTORMS® EV3	8,99,485	2	1,79,897.00
	IT-02	Robotics Workshop Setup	99,885	1	99,885.00
	IT-04	Desktop Computers	56,623	25	14,15,584.00
	IT-05	Multimedia Projector	1,34,314	1	1,34,314.00
	IT-06	Electronic Lecturn Podium	1,66,186	1	1,66,186.00
Mechanical Engineering	ME -04	Workstation	2,15,250	3	6,45,750.00
	ME-01	Printer	10,631	6	63,788.00
	ME-02	Deform 3D	11,49,750	1	11,49,750.00
	ME-06	Pin on disc wear testing Machine	9,27,407	1	9,27,407.00
	ME-08	Pyranometer	82,005	1	82,005.00
	ME-11	Wireless Data Logger (Temp. & Humidity)	2,15,662	1	2,15,662.00
	ME-12	Graphic Card	27,930	7	1,95,510.00
		Monitor	26,933	7	1,88,527.50
		Workstations	93,030	7	6,51,210.00
	ME-12	Ansys Software	5,98,500	1	5,98,500.00

	ME-13	Multimedia Projector	55,125	1	55,125.00
Metallurgical Engineering	META-01	Hydraulic –Specimen Hot Mounting Press	1,51,200	1	1,51,200.00
	META-03	Jomney end quench hardenability determination test setup	1,55,800	1	1,55,800.00
	META-04	Muffle Furnace	2,87,395	1	2,87,395.00
	META-05	Stereo Microscope	4,95,000	1	4,95,000.00
Mining Engineering	MIN-01	Itasca Software FLAC3D version 5.01 with dynamics with one license key	10,67,733	1	10,67,733.00
	MIN-03	SURPAC Software (Proprietary item)	10,85,239	1	10,85,239.00
Physics	PHY-01	High Temperature Furnace	4,04,710	1	4,04,710.00
Library	LIB-01	SCOPUS Database	12,78,211	1	12,78,211.00
	LIB-02	Books & Learning Resources-Scopus Database	6,11,502	134	6,11,502.00
	LIB-04	Elsevier Online Journal archives	25,00,000	1	25,00,000.00
	Lib-05	Turnitin Feedback Studio Software	4,58,900	1	4,58,900.00
TOTAL					457,19,472.50