

प्रेषक,

प्रधानाचार्य  
राजकीय पॉलिटेक्निक  
मुरादाबाद

सेवा में,

निदेशक  
प्राविधिक शिक्षा, उ० प्र०  
कानपुर

पत्रांक: 341 पाली / AICTE/ 2022-23

दिनांक: 06-06-2022

महोदय,

आपके पत्रांक सं० 8531-54/ ई- ए०आई०सी०टी०ई०/ डिफिसियेन्सी/ 2022-23 दिनांक 06.06.2022 के द्वारा ए०आई०सी०टी०ई० डिफिसियेन्सी के निराकरण हेतु एक्सेल शीट के प्रारूप में तैयार करके सूचना आवश्यक कार्यवाही हेतु प्रेषित की जा रही है।

भवदीय

  
(तजम्मुल अफजाल)  
प्रधानाचार्य  
प्रधानाचार्य  
राजकीय पॉलिटेक्निक  
मुरादाबाद


संस्थान में कमियों के निराकरण हेतु आवश्यक बजट का आकलन

Sr. No.	Institute Code	Institute Name	Fields	Particulars Select only where Deficiency exist only	Available in Institutions (YES/NO)	Required as AICTE (YES/NO)	New Construction Required Yes/ No	Quantity	Area Required (in Sq. Meter)	Total Area Required (Sq. Meter) (column 9* column 10)	Budget Requirements for removing deficiency (in lacks only)	If Any	
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	1106	GOVERNMENT POLYTECHNIC MORADABAD	Infrastructure	Board Room	YES	YES	NO	NIL					
2			Infrastructure	Department Offices/Cabin for Head of Dept	YES	YES	NO	NIL					
3			Infrastructure	Central Store	YES	YES	NO	NIL					
4			Infrastructure	Exam Control Office	YES	YES	NO	NIL					
5			Infrastructure	Housekeeping	YES	YES	NO	NIL					
6			Infrastructure	Maintenance	YES	YES	NO	NIL					
7			Infrastructure	Office All Inclusive	YES	YES	NO	NIL					
8			Infrastructure	Placement Office	YES	YES	NO	NIL					
9			Infrastructure	Principal Directors Office	YES	YES	NO	NIL					
10			Infrastructure	Security	YES	YES	NO	NIL					
11			Infrastructure	Boys Common Room	YES	YES	NO	NIL					
12			Infrastructure	Cafeteria	YES	YES	NO	NIL					
13			Infrastructure	First aid cum Sick Room	YES	YES	NO	NIL					
14			Infrastructure	Girls Common Room	YES	YES	NO	NIL					
15			Infrastructure	Stationery Store	YES	YES	NO	NIL					
16			Infrastructure	Computer Center	YES	YES	NO	NIL					
17			Infrastructure	Library & Reading Room	YES	YES	NO	NIL					
18			Infrastructure	Language Laboratory	YES	YES	NO	NIL					
19			Infrastructure	Language Laboratory	YES	YES	NO	NIL					
20			Infrastructure	Classroom	YES	YES	NO	NIL					
21			Infrastructure	Tutorial Room	YES	YES	NO	NIL					
22			Infrastructure	Seminar Hall	YES	YES	NO	NIL					
23			Infrastructure	Workshop/ Studio	YES	YES	NO	NIL					
24			Infrastructure	Common Workshop/ Studio	NO	NO	NO	NIL					
25			Infrastructure	Studio / Display Room	NO	NO	NO	NIL					
26			Infrastructure	Craft Centre	NO	NO	NO	NIL					
27			Infrastructure	Resource Centre	NO	NO	NO	NIL					
28			Infrastructure	Art Court	NO	NO	NO	NIL					
29			Infrastructure	Multi-Purpose Hall	NO	NO	NO	NIL					
30			Infrastructure	Studio	NO	NO	NO	NIL					
31			Infrastructure	Computer Laboratory	YES	YES	NO	NIL					

4/24

3/11/2014

32	EIM LAB	Equipment LIST ATTACH	NO	YES	YES				0.61	
33	ENERGY CONSERVATION	Equipment LIST ATTACH	NO	YES	YES				1.81	
34	ENGINEERING MATERIAL	Equipment LIST ATTACH	NO	YES	YES				3.95	
35	RAC LAB	Equipment LIST ATTACH	NO	YES	YES				2.89	
36	AUTOMOBILE ENGG. LAB	Equipment LIST ATTACH	NO	YES	YES				1.04	
37	SURVEY EQUIPMENT AND	Equipment LIST ATTACH	NO	YES	YES				14.17	
38	ENVIRONMENTAL	Equipment LIST ATTACH	NO	YES	YES				13.57	
39	CAD LAB	Equipment LIST ATTACH	NO	YES	YES				44	
40	MASON SHOP	Equipment LIST ATTACH	NO	YES	YES				0.17	
41	ROADS AND SOILS LAB	Equipment LIST ATTACH	NO	YES	YES				3.05	
42	CONCRETE LAB	Equipment LIST ATTACH	NO	YES	YES				7.5	
43	Other Facilities	Sewage Disposal System	NO	YES	YES	1			35	
44	Other Facilities	Telephone	YES	YES	NO	NIL				
45	Other Facilities	Vehicle Parking	YES	YES	NO	NIL				
46	Other Facilities	Backup Electric Supply	NO	YES	YES	1			1.5	15 KVA
47	Other Facilities	Potable Water Supply	YES	YES	NO	NIL				
48	Computational Facilities	Printers	YES	YES	NO	NIL				
49	Computational Facilities	A1 size Color Printers	NO	YES	YES	1			0.85	
50	Computational Facilities	PCs in Language lab	YES	YES	NO	NIL				
51	Computational Facilities	Legal Application S/W	NO	YES	YES	20			20	
52	Computational Facilities	Legal System S/W	NO	YES	YES	5			25	
53	Computational Facilities	PCs to Student ratio	NO	YES	YES	90			50	
54	Library Facilities	Volumes	YES	YES	NO	NIL				
55	Library Facilities	Titles	YES	YES	NO	NIL				
56	Library Facilities	Journals	YES	YES	YES	NIL				
57	Library Facilities	Library Management Software	NO	YES	YES	1			0.5	
58	Library Facilities	Reading Room Seating Capacity	YES	YES	NO	NIL				
	Library Facilities	MultiMediaPC	NO	YES	YES	10			7.5	
									<b>TOTAL (LAKHS)</b>	<b>233.11</b>

  
 प्रधानाचार्य  
 राजकीय पॉलिटेक्निक मुरादाबाद  
 प्रधानाचार्य  
 राजकीय पॉलिटेक्निक  
 मुरादाबाद

## MEASUREMENT AND INSTRUMENTATION LABORATORY

S.N.	Item	Quantity	Cost
1.	Digital Multimeter	2	2000
2.	Kit for measurement of pressure by using LVDT	1	10000
3.	Wattmeter 0-5-10A, 0-250-500 V	02	5000
4.	Three Phase Balanced Load 3 Kw, in steps of 250 w each	01	3500
5.	CRO	01	15000
6.	LCR meter	01	7500
7.	Single Phase Digital Energy Meter	01	2500
8.	Single phase Energy meter	01	2500
9.	Three phase Energy meter	01	3500
10.	Thermal Imager	01	2000
11.	Digital Function Generator	01	7000
	<b>Total</b>		<b>60500</b>

*Handwritten signature*  
अधीक अध्यापक  
आख्याता विद्युत  
राजकीय पॉलिटेक्निक, पुणे

## DEPARTMENT OF CIVIL ENGINEERING

### SURVEY EQUIPMENT AND STORES

Sr No.	Equipment	Quantity (No)	Amount in Rupess
1.	Quick setting level	8	120000
2.	Engineers level	2	60000
3.	Prismatic binoculars	2	26000
4.	Theodolite (Digital) Distomat	2	392000
5.	Electronics Distance Measurement (EDM)	2	8836
6.	GPS Hands Instrument	2	89980
7.	Telescopic Alidade	4	20000
8.	Total Station	2	460000
9.	Dumpy level	8	240000
<b>Total Amount</b>			<b>1416816</b>

### ENVIRONMENTAL ENGINEERING LABORATORY

Sr No.	Equipment	Quantity (No)	Amount in Rupess
1.	Lovibond comparator (for colour determination)	01	30000
2.	Colorimeter (for colour determination)	01	10000
3.	B.O.D incubator	01	160000
4.	Water bath with digital controller	01	30000
5.	Bacteriological incubator	01	90000
6.	Colony counter	01	150000
7.	Electronic balance	01	3000
8.	Inverted microscope	01	250000
9.	Model of oxidation ditch	01	70000
10.	Working model of Trickleing Filter	01	500000
11.	Water sampler	01	64000
<b>Total Amount</b>			<b>1357000</b>

### CAD LAB

Sr No.	Equipment	Quantity (No)	Amount in Rupess
1.	AUTO CADD SOFTWARE 10 USER	01	500000
2.	STADD PRO SOFTWARE 10 USER	01	1000000
3.	PRIMEVERA SOFTWARE 10 USER	01	1000000
4.	ETAB SOFTWARE 10 USER	01	500000
5.	COMPUTER SYSTEM	10	1000000
6.	PLOTTER	01	400000
<b>Total Amount</b>			<b>4400000</b>

  
विकास चौधरी  
व्याख्याता सिविल अभियन्त्रण  
राजकीय पॉलीटेक्निक  
मुरादाबाद

# DEPARTMENT OF CIVIL ENGINEERING

## MASON SHOP

Sr No.	Equipment	Quantity (No)	Amount in Rupess
1.	Mason Trowel	10	1,000
2.	Concrete Finishing Trowel	10	1,000
3.	Gauging Trowel	10	1,000
4.	Margin Trowel	10	1,000
5.	Pointing Trowel	10	1,000
6.	Round Trowel	10	1,000
7.	Mason/Brick Hammer	10	3,000
8.	Comb hammer	10	3,000
9.	Blocking chisel	10	1,000
10.	Straight Edge	10	1,000
11.	Jointer	10	1,000
12.	Masonry Pan	10	1,500
<b>Total Amount</b>			<b>16,500</b>

## ROADS AND SOILS LABORATORY

Sr. No.	Equipment	Quantity (No)	Amount in Rupess
1.	CBR apparatus with loading machine	01	70000
2.	Water bath (Thermostatically controlled)	01	35000
3.	Viscometer Capillary type	01	65000
4.	Permeability apparatus	01	30000
5.	Rapid moisture meter	01	5000
6.	Ductility machine	01	100000
<b>Total Amount</b>			<b>305000</b>

## CONCRETE LABORATORY

Sr No.	Equipment	Quantity (No)	Amount in Rupess
1.	Compression testing machine (100 T. Capacity)	01	102900
2.	Vibration machine	01	35000
3.	Blaine Air permeability Apparatus (for testing fineness of cement)	01	3000
4.	Platform weighing machine	01	65000
5.	Concrete mixers	01	100000
6.	Beam mould	4	14000
7.	Needle vibrator	01	30000
8.	Bar bending and cutter apparatus	01	80000
9.	Ultrasonic pulse velocity apparatus	01	225000
10.	Concrete test hammer	01	15000
11.	Table vibrator	01	50000
12.	Bulk density apparatus	01	30000
<b>Total Amount</b>			<b>749900</b>

Nidhu  
Lecture Civil  
Govt. Poly Moradabad


# DEPARTMENT OF MECHANICAL ENGINEERING

## ENGINEERING MATERIAL LAB

Sr No.	Equipment	Quantity	Amount
1.	Electric muffle furnace	1	60,000
2.	Forced circulation tempering furnace	1	30,000
3.	Quenching tank	2	5,000
4.	Specimen Kit (Ferrous and Non-ferrous Metals (25 Nos)	1	10000.
5.	Metallurgical microscope	3	35,000 Each
6.	Abrasive cut off machine	1	50,000
7.	Specimen Polishing Machine (Double Disk type)	1	50,000
8.	Set of Specimen of different alloys	1	5,000
9.	Brinell Hardness Testing machine	1	80000
<b>Total Amount</b>			<b>395000</b>

## REFRIGERATION AND AIR CONDITIONING LABORATORY


Sr No.	Equipment	Quantity	Amount
1.	Test rig VCR to determine COP of different combination.	1	100000
2.	Test rig window type and split type air conditioner	1	100000
3.	Water cooler	1	60000
4.	Refrigeration compressor	1	3000
5.	Gas charging equipment kit	1	15000
6.	Cut-Section model of thematically sealed compressor	1	6000
7.	Hand tools for cutting , flaring, swaging and brazing of tubes	1 set	5000
<b>Total Amount</b>			<b>289000</b>

  
(Mohd Arif)  
MOHD ARIF  
Lecturer Mechanical Engineering  
Technical Education Department  
Uttar Pradesh (India)

# DEPARTMENT OF MECHANICAL ENGINEERING

## AUTOMOBILE ENGINEERING LAB

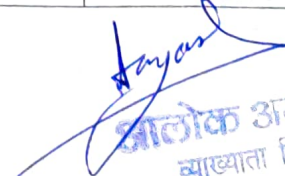
Sr No.	Equipment	Quantity	Amount
1.	Battery Charger 0-12 V, 0-6 Amp	1	2000
2.	Batteries 6 V & 12 V	1 Each	4000
3.	Hydrometer	1	1000
4.	Cell Tester	1	1000
5.	Working Model of Battery Ignition System, Magneto Ignition System Fitted on board	1	2000
6.	Fuel Injection Pump	1	15000
7.	Calibration Machine with Fuel Injection Pump & Coupling	1	25000
8.	Electrical Testing Bench	1	2000
9.	Condemned petrol engine of light petrol vehicle	1	5000
10.	Condemned Diesel engine of medium and heavy vehicles	1	5000
11.	Tyre inflator with twin hose assembly and small hose assembly	1	2500
12.	Spark plug cleaning machine and Testing machine	1	5000
13.	Condemned chassis frame of any light motor vehicle	1	5000
14.	Sectioned working model of a single cylinder four stroke petrol engine fitted with ignition system	1	4000
	Hand Operated	1	6000
	Motor Operated		
15.	Mechanical Jack	2	3000
16.	Tool Kit (Spanner, socket set, screw driver, plier, file, Wrench, drill, tap set, hammer etc.)	4 Set	2000
17.	Study and sketch of models of rear axle and differential	1	10000
18.	Miscellaneous		4000
	Total Amount		<b>103500</b>

  
 (Mohd Arif)  
**MOHD. ARIF**  
 Lecturer Mechanical Engineering  
 Technical Education Department  
 Lucknow (India)



## ENERGY CONSERVATION LABORATORY

S.N.	Item	Quantity	Cost
1.	Clamp Meter	02	500
2.	Multimeter	02	2000
3.	Power Analyser	01	20000
4.	Different types of lamps (LS) 60 W lamp, 230 V , 100 V 200 W lamp 500 W lamp 100 W lamp, 110 V, 150 V	10	500
5.	Lux meter	02	5000
6.	Centrifugal pump, 1 kW	1	15,000
7.	Standard window A.C.	01	20000
8.	Anemometer	02	5000
9.	Thermometer	03	2000
10.	Flow meter	02	10000
11.	Pumping set with at least two pumps of different capacity.	1 set	10000
12.	Pressure gauge fitted on discharge lines	1 set	2000
13.	Variable Frequency Drive	02	50000
14.	A small compressor with a small network of pipe line fitted with suitable pipeline, pressure gauge, safety valve and loading / unloading pressure switch.	1	3000
15.	Stop watch	2	1000
16.	Small blower (1.5 kW motor) with inlet and outlet ducts of approximately one meter length on both sides	1	10000
17.	Black Box (for checking lamp efficacy including stand and luxmeter)	1	25000
		<b>Total Cost</b>	<b>181000</b>

  
**श्रीलोक अग्रवाल**  
 व्याख्याता विद्युत  
 राजकीय पालीटेक्निक, मुद्रा