

# **BIOTECH FACILITY AT ETERNAL UNIVERSITY**

<b>S. No.</b>	<b>Item</b>	<b>Qty.</b>	<b>Rate</b>	<b>Cost</b>	<b>Supplier</b>	<b>Date of Purchase</b>
1	Freezer upto-20 °C, upright	1	250000.00	250000.00	Gupta Scientific Industries	04/12/2010
2	B.O.D. Incubator, 6.1 Cu Ft, 825 mm. Ht., 505 mm. Wt., 415 mm. Depth, Inner Chamber S.S.	Each	64950.00	64950.00	Gupta Scientific Industries	25/10/2010
3	Ultra Violet Fluorescence Inspection Cabinet	1	14950.00	14950.00	Gupta Scientific Industries	25/10/2010
4	Pipette Controller (Motorized)	Each	15750.00	15750.00	Gupta Scientific Industries	25/10/2010
5	Fast Release Pipette Pump, 25 ml.	Each	575.00	575.00	Gupta Scientific Industries	25/10/2010
6	Digital Variable Volume Micropipette, Capacity 0.5-10 µl, Steps 0.1 µl	Each	3175.00	3175.00	Gupta Scientific Industries	25/10/2010
7	Digital Variable Volume Micropipette, Capacity 5-50 µl, Steps 1.0 µl	Each	3175.00	3175.00	Gupta Scientific Industries	25/10/2010
8	Digital Variable Volume Micropipette, Capacity 20-200 µl, Steps 1.0 µl	Each	3175.00	3175.00	Gupta Scientific Industries	25/10/2010
9	Digital Variable Volume Micropipette, Capacity 100-1000 µl, Steps 10.0 µl	Each	3175.00	3175.00	Gupta Scientific Industries	25/10/2010
10	Digital Variable Volume Micropipette, Capacity 2-20 µl, Steps 1.0 µl	Each	3175.00	3175.00	Gupta Scientific Industries	25/10/2010
11	Pipette Stand	2	9500.00	1900.00	Gupta Scientific Industries	25/10/2010
12	Magnetic Stirrer (Medium Size)	1	2595.00	2595.00	Gupta Scientific Industries	25/10/2010
13	Octagon Magnetic Stirring Bar, 25X8	2	225.00	450.00	Gupta Scientific Industries	25/10/2010
14	Triangular Magnetic Stirring Bar, 25X10	2	475.00	950.00	Gupta Scientific Industries	25/10/2010
15	Dumb Bell Magnetic Stirring Bar, 32X9	2	625.00	1250.00	Gupta Scientific Industries	25/10/2010
16	Cross Spin Magnetic Stirring Bar, 25X25	2	925.00	1850.00	Gupta Scientific Industries	25/10/2010
17	Electrophoresis Power Supply Unit	1	9950.00	9950.00	Gupta Scientific Industries	25/10/2010
18	Vertical Slab Gel Electrophoresis Dual Universal Mechanism	1	9950.00	9950.00	Gupta Scientific Industries	25/10/2010
19	U.V Safety (Protective) Goggles	2	950.00	1900.00	Gupta Scientific Industries	25/10/2010
20	Autoclave 400X600 mm., Capacity 100 ltrs.	1	53000.00	53000.00	Gupta Scientific Industries	25/10/2010
21	Beaker 100 ml. Plastic	5	15.00	75.00	Gupta Scientific	25/10/2010

					Industries	
22	Beaker 250 ml. Plastic	5	30.00	150.00	Gupta Scientific Industries	25/10/2010
23	Beaker 500 ml. Plastic	5	40.00	200.00	Gupta Scientific Industries	25/10/2010
24	Beaker 1000 ml. Plastic	5	35.00	375.00	Gupta Scientific Industries	25/10/2010
25	Measuring Cylinder 100 ml. Plastic	5	40.00	200.00	Gupta Scientific Industries	25/10/2010
26	Measuring Cylinder 250 ml. Plastic	5	75.00	375.00	Gupta Scientific Industries	25/10/2010
27	Measuring Cylinder 500 ml. Plastic	5	150.00	750.00	Gupta Scientific Industries	25/10/2010
28	Measuring Cylinder 1000 ml. Plastic	5	275.00	1375.00	Gupta Scientific Industries	25/10/2010
29	Wash Bottle 250 ml. Plastic	5	40.00	200.00	Gupta Scientific Industries	25/10/2010
30	Wash Bottle 500 ml. Plastic	5	60.00	300.00	Gupta Scientific Industries	25/10/2010
31	Wash Bottle 1000 ml. Plastic	5	100.00	500.00	Gupta Scientific Industries	25/10/2010
32	U.V./Visible Spectrophotometer, Double Beam	1	525000	525000	Gupta Scientific Industries	25/10/2010
33	Conductivity Meter (Micro Processor Controlled)	1	15750	15750	Gupta Scientific Industries	25/10/2010
34	Micro Slides	1	75	75	Gupta Scientific Industries	25/10/2010
35	Thermostatic Bath (Water Bath) ‘	1	6850	6850	Gupta Scientific Industries	25/10/2010
<b>Total</b>						748070.00
Discount@25%						187017.50
Total						561052.50
CST@12.5%						70131.56
Surcharge@5%						3506.58
Total						634690.64
Rounding add						0.36
<b>Grand Total</b>						634691.00

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S. No.	Item	Qty.	Rate	Cost	Supplier	Date of Purchase
1	Pipette Controller	1	2275	2275	Research – Aid instruments & Suppliers	13/11/10
2	Pipette Bulb	4 pack	1280	1280	Research – Aid instruments & Suppliers	13/11/10
3	Muti tape Dispenser	1 pack	5200	5200	Research – Aid instruments & Suppliers	13/11/10
4	SpinwinMc-	1 pack	6900	6900	Research – Aid instruments & Suppliers	13/11/10
5	Reversible rack	1 pack	1800	1800	Research – Aid instruments & Suppliers	13/11/10
6	Universal combipack	1 pack	1600	1600	Research – Aid instruments & Suppliers	13/11/10
7	Dancing shaker	1 pack	17500	17500	Research – Aid instruments & Suppliers	13/11/10
8	Mini submarine electrophosis unit	2 pack	1760/pack	3520	Research – Aid instruments & Suppliers	13/11/10
9	Combset	1 pack	2090	2090	Research – Aid instruments & Suppliers	13/11/10
10	Spinex Mc_01	1 pack	7600	7600	Research – Aid instruments & Suppliers	13/11/10
11	Rack for microtube	4 pack	700	700	Research – Aid instruments & Suppliers	13/11/10
		<b>Total</b>		<b>50465.00</b>		
		<b>Less @ 15%</b>		<b>(-) 7569.75</b>		
				<b>42895.25</b>		
		<b>Add Vat@ 13.75%</b>		<b>(+)5898.09</b>		
		<b>Grand Total</b>		<b>48793.34</b>		

**ETERNAL UNIVERSITY, BARU SAHIB  
AKAL SCHOOL OF BIOTECHNOLOGY**

**Equipment/Instruments purchased after the UGC Committee Visit 17-19  
December 2010**

Sr. No.	Equipment/Instrument	Supplier	Bill/Invoice no.	Date of Purchase	Quantity	Unit Cost (Rs.)	Amount (Rs.)	Amount after discount (Rs.)	Total Cost (Rs.)
1	Microcentrifuge (Non-refrigerated) +Rotors	Universal Scientific Chandigarh	35650	08.01.11	1	24,000	24,000 Discount Rs. 7,808	44,243 <b>Tax (Rs.)</b> 6,083	50,326
2	Mini Submarine Electrophoresis System (7 x 10 cm)				2	8,690	17,380 Discount Rs. 7,808		
3	Mini Submarine Electrophoresis System (10 x 10 cm)				1	10,670	10,670 Discount Rs. 7,808		
4	Analytical Balance (0.1 mg and 1 mg)	Universal Scientific Chandigarh	23	10.06.11	1	1,35,000	1,35,000	1,35,000	1,35,000
5	Microcentrifuge	Universal Scientific Chandigarh	22	10.06.11	1	21,000	21,000	21,000	1,39,625
6	Magnetic Stirrer				3	10,150	30,450	30,450	
7	Vortex Shaker				2	7,000	14,000	14,000	
8	Vaccum Pump				1	74,175	74,175	74,175	

9	Gel Documentat ion System	Universal Scientific Chandigarh	35/11-12	27.07.11	1	5,96,000	5,96,000	13,68,860	13,68,860
10	Thermal Cycler				1	5,25,000	5,25,000		
11	Horizontal and Vertical Gel Assemblies				1	1,95,000	1,95,000		
12	Autopipettes				2	26,430	52,860		
13	pH meters (Eutech)	Universal Scientific Chandigarh	40	1.09.11	3	12,000	36,000	1,77,700	1,77,700
14	Rocking Platform				1	16,700	16,700		
15	Vertical Autoclave				1	1,25,000	1,25,000		
16	Referigerate d Centrifuge	Universal Scientific Chandigarh	47	20.09.11	1	2,55,000	2,55,000	7,55,000	7,55,000
17	Deep Freezer (-86 degree)				1	5,00,000	5,00,000		
18	Remi Centrifuge R-24 (15 and 50 ml Rotor)	Universal Scientific Chandigarh	34/11-12	27.07.11	1	61,750	61,750	1,51,750	1,51,750
19	Serological Waterbath				2	25,000	50,000		
20	NSW-143 Universal Oven 125 L				1	40,000	40,000		
21	Water Purification System TKA Germany	Universal Scientific Chandigarh	33	9.12.11	1	4,40,000	4,40,000	4,40,000	4,40,000
22	Canon All in One Printer	B.E. Office Automati on Panchkula	3336	16.06.12	1	9000	9000	9000	9000
23	Laminar Air Flow Cabinet	Research Aid Istrument s Palampur	40213	16-07-12	1	39,560	39,560	39,560 Tax 5,439	45,000

24	Bottle top dispenser	Research Aid Instruments Palampur	40473	25.08.12	1	16775	16775	16775	16775
25	Multichannel pipette	Research Aid Instruments Palampur	40473	25.08.12	1	15619	15619	15619	15619
26	Orbital Shaker	Research Aid Instruments Palampur	40720	8.10.12	1	39400	39400	39400	39400
27	ICON Trinocular microscope with Camera	Research Aid Instruments Palampur	40761	13.10.12	1	2,50,000	2,50,000	2,50,000	2,50,000
28	Spiniwin MC00 microfuge	Research Aid Instruments Palampur	41037	1.12.12	1	6900	6900	6900 <b>Tax (Rs.)</b> 949	7849
29	Retsch Mixer Mill	Inkarp Instruments Pvt Ltd	2755	04.12.12	1	6,70,000	6,70,000	6,70,000 <b>Tax (Rs.)</b> 20,000	6,90,000
30	Atomic Absorption Spectrometer+ Accessories	Agilent Technologies, Banglor	J9S9020565	30.01.13	1	2,099,681	2099681	2099681 <b>Tax (Rs.)</b> 101739	2201420

31	Heating Mantle	International Scientific, Solan	767	18.02.13	1	1675	1675	1675	1675
32	Microwave Digestion System (Anton Paar)	SV Instruments Analytica Pvt. Ltd.	9E+07	12.01.13	1	11,11,970	11,11,970	11,11,970	11,11,970
33	Olympus Binocular Microscope	Universal Scientific Chandigarh	351	04.03.13	1	34,900	34,900	34,900 <b>Tax (Rs.)</b> 4,363	39,263
34	No Refrigerated Centrifuge with Rotors (Eltek)	International Scientific, Solan	284	22.03.13	1	21000	21000	21000	21000
35	Voltage Stabilizer, 2KVA	International Scientific, Solan	284	22.03.13	1	9470	9470	9470	9470
36	RO Filter	International Scientific, Solan	284	22-03.13	1	30000	30000	30000	30000
<b>TOTAL</b>								<b>77,06,702</b>	

## NUTRITION AND FOOD TECHNOLOGY

List of equipments to be purchased from the grant Rs.75, 0000/- sanctioned by Ministry of Food Processing Industries, Govt. of India. This grant will be released in the current financial year.

S.No.	Instrument Name	Approximate Cost
1.	Food Extruder	8,97,750
2.	Fruit Crusher	19,406
3.	Fruit Pulper	45,000
4.	Fruit Juice Extractor	4,00,000
5.	Hydraulic Press	5,94,000
6.	Retort Pouch Machine	16,870,00
7.	Boiler	31,8780
8.	Gas Bhatti	24,000
9.	Stainless Steel Cattle	53,130
10.	Deep Frezer	45,000
11.	Work Table	35,000
12.	Electronic Balance	1,45,172
13.	Spectrophotometer	1,96,875
14.	Lovibond Tintometer	4,50,000
15.	Automatic Nitrogen /Protein Analyzer	5,39,239
16.	Crude Fiber Analyzer	3,57,980
17.	Rotary Vacuum Film Evaporator	4,33,125
18.	Refrigerator	25,800
19.	Water Bath With Holes	15,000
20.	Serological Water Bath	48,622
21.	Digital Colony Counter	22,522
22.	Microwave Oven	25,000
23.	Planetary Mixer	79,695
24.	Prooving Cabinet	79,695
25.	pH Meter	12,000
26.	Vacuum Oven	41,000
27.	Fermentor	8,66,250
28.	Solvent Extraction System	2,88,750
	<b>Total Amount</b>	<b>77,45,791</b>



Sr. No.	Equipment/ Instrument	Supplier	Bill/ Invoice No.	Date of Purchase	Qty.	Unit Cost (Rs.)	Amount (Rs.)	Total Cost (Rs.)
1.	Hand Packet Refractometers	Universal Scientific Chandigarh	34/11-12	27/07/11	1	33,000/-	33,000/- This price is inclusive of taxes	33,000/-
2.	Muffle Furnace	Universal Scientific Chandigarh	34/11-12	27/07/11	1	36,000/-	36,000/- This price is inclusive of taxes	36,000/-
Grand Total								69,000/-

<b>S. No.</b>	<b>Equipment</b>	<b>Cost (Rs. Lakh)</b>
1.	Food Extruder	299,750.00
2.	Refrigerated Table Top Centrifuge	249,500.00
3.	Planetary Mixer	52,800.00
4.	Boiler	2,98,000
5.	Fruit Juice Extractor	27,800.00
6.	Fruit Crusher	23,500.00
7.	Hydraulic Press	46,000.00
8.	Fruit Pulper	34,950.00
9.	Steam Jacketed Kettle, 220 L	65,000.00
10.	Crown Corking Machine (2)	17,600.00
11.	Work Table (2)	41,600.00
12.	Weighing Balance	7,500.00
13.	Polyethylene Bag Sealer	2,900.00
14.	Electronic Balance	1,19,000
15.	Serological Water Bath (2)	45,600.00
16.	Waterbath with hole of Concentric rings (2)	21,400.00
17.	Vacuum Oven	52,800.00
18.	Refrigerator	27,000.00
19.	Rotary Vacuum Film Evaporator (BUCCHI TYPE)	392,000.00
20.	Lovibond Tintometer	457,000.00
21.	Spectrophotometer	59,000.00
22.	pH meter (2)	29,600.00
23.	Hot air oven (2)	53,200.00
24.	Gas Burner (2)	3,200.00
25.	Automatic Nitrogen/Protein Analyzer	4,50,725
26.	Crude fiber analyzer	2,99,219
27.	Solvent Extraction system	2,66,170
28.	HPLC	22,00,000