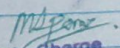
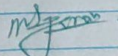


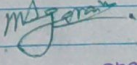
SL No.	Item Name	Batch/Make	Quantity	Rate (Rs)	Total	Invoice No. No.	Suppliers Name
01	Digital balance (capacity 200gm, Sensitivity 10 mg)	K. Roy	2 pieces	136000.00	27200.00	SRS/2016-17/598A	Shyam Rai
02	Pulling apparatus. 3 Different rods Al, Fe, Brass.	"	3 "	2340.00	7020.00	"	"
03	Foehn's Barometer (Complete with Mercury Filled Brass Body and glass case fitted own Made)	Own	3 "	5100.00	15300.00	"	"
04	Moment of inertia apparatus with four Bars (One with rectangular cross section)	Own	2 "	2195.00	4390.00	"	"
05	Apparatus for determination of Rigidity Modulus by dynamical method	Own	3 "	2195.00	6585.00	"	"
06	Young's Modulus apparatus by Searles method.	INCO	2 "	3700.00	7400.00	"	"
07	Stop Watch, Digital	Races	5 "	370.00	1850.00	"	"
08	Stop Watch, Analog	Diamond	5 "	2100.00	10500.00	"	"
09	Stop Clock, Analog	Venus	5 "	380.00	1900.00	"	"
09.10	Apparatus for determination of surface tension by Jaeger's method and study of its variation with temperature	INCO	3 "	4200.00	12600.00	"	"
10A	Rubber tube (ten meter in a coil) 7mm inner diameter		4 Coil	280.00	1120.00	"	"
10B	Rubber Tube (10 mts in a coil) 10mm inner diameter		4 "	380.00	1520.00	"	"
10C	Rubber Tube (10 mts in a coil) 12mm inner diameter		4 "	480.00	1920.00	"	"
11A	Travelling microscope (two motion)	DEVCO	5 Pcs	5700.00	28500.00	SRS/2016-17/598B	"
11B	Travelling microscope (three motion)	"	4 "	6800.00	27200.00	"	"
12.16	Stokes law apparatus.	OWN	2 "	2300.00	4600.00	"	"
13.17	Heating Mantle (With regulator) 1 Hr. capacity	OWN	2 "	1300.00	2600.00	"	"
14.18	Kater's Pendulum.	OWN	3 "	1700.00	5100.00	"	"
15A	Cathetometer (1 mts Long)	DEVCO	2 "	21000.00	42000.00	SRS/2016-17/598C	"
15B	Cathetometer (1/2 mts Long)	"	3 Pcs	9950.00	29850.00	"	"
16.21	Young Modulus (by slope of beam) (Brass and steel Bar)		4 "	2380.00	9520.00	"	"
17.22	Viscosity by Poiseuille's Method	OWN	2 "	1490.00	2980.00	SRS/2016-17/598D	"
18.23	Spirit Level (2 mch long beam body, superior quality)		24 "	48.00	1152.00	"	"
19.24	Copper water bath for Jaeger's App't (with stirrer)	OWN	3 "	845.00	2535.00	"	"
25	Pinch Clock Cock		6 "	33.00	198.00	"	"
26	Pressure head (Poiseuille's Exp'd) Brass body water level stand.		2 "	900.00	1800.00	"	"
27	Cross wire and eye piece for Travelling microscope.		10 "	200.00	2000.00	"	"
28	Rubber Cork (6 to 12 No each per Dozen)		60 "	9.00	540.00	"	"
29	Magneto meter (vibration type, superior quality) C-rod and Bar magnetic 3" Long. Magnetometer (Deflection type with compass)	OWN	2 "	1050.00	2100.00	"	"
30	Screw gauge 25mm pitch SS Cones brass body with box fitted		5 "	1900.00	3800.00	"	"
				270.00	1350.00	"	"


 Officer-in-Charge
 G.G.D.C. Ranibandh
 Rautara, Bankura-722135

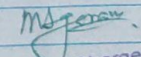
SL No.	Item Name.	Batch/Make	Quantity	Rate (Rs)	Total	Invoice No.	Supplier's Name.
			7 pcs.	155.00	1085.00	SRS/2016-17/598D	SHYAM RAJ
31.	Slide Caliper 12.5 cm long full ss body with cabinet fitted		5 pairs	48.00	240.00	"	"
32.	Bar magnet (2")		10 pcs	140.00	1400.00	"	"
33.	Thermometer (110x $\frac{1}{10}$ div) H.G. filled, yellow colour		10 "	140.00	1400.00	"	"
34.	Thermometer (110x $\frac{1}{10}$ div) H.G. filled, yellow colour		10 "	140.00	1400.00	"	"
35.	Thermometer (110x $\frac{1}{2}$ Degree, C.H.G. filled yellow colour		10 "	140.00	1400.00	"	"
36.	Complete set for determination of linear expansion coefficient by traveling microscope method	OWN	3 "	2400.00	7200.00	SRS/2016-17/598E	"
37.	Tuning fork set (8 different frequency, quality mark a grade heavy type)		1 set	580.00	580.00	"	"
38.	Apparatus for determining the variation of Thermo-EMF of Thermo couple using the temperature difference of two junctions		2 pcs	9900.00	19800.00	"	"
39.	Apparatus for calibrating a thermo couple to measure temperature in a specific range using (1) Null method (2) direct measurement using opamp differential amplifier and to determine neutral temperature.		2 "	12000.00	24000.00	"	"
40.	Mica capacitor box (0.1 mfd - 5 mfd; 0.001 mfd - 10 mfd; 0.11 mfd - 10 mfd)	OWN	6 "	700.00	4200.00	SRS/2016-17/598F	"
41.	Ceramic capacitor box, 0.1, 0.22, 0.33, 0.47, 0.56, 1.0, 2.2, 4.7	MICROFARAD	16 "	250.00	4000.00	"	"
42.	Mutual inductance coil	OWN	2 "	2240.00	4480.00	"	"
43.	Fractional Resistance box of all possible combination (0.1 - 50 ohm)	"	9 "	1200.00	10800.00	"	"
44.	Carey Foster bridge apparatus	"	2 "	1600.00	3200.00	"	"
45.	Wheat stone bridge apparatus	"	2 "	1600.00	3200.00	"	"
46.	Table Galvanometer (complete with stand fitted)	OXFORD	4 "	325.00	1300.00	"	"
47.	DC Milli ammeter (0-5 mA, 0-100 mA, 0-200 mA) (Analog)	"	6 "	280.00	1680.00	"	"
48.	Rocky bar meter bridge (brass body)	OWN	4 "	280.00	1120.00	"	"
49.	Compact set for investigation of a series L-C-R circuit complete with trainer	"	2 "	4600.00	9200.00	"	"
50.	Standard autotransformer (3 amp, primary turns: 1-556, secondary turns: 100, 250, 1000)	"	2 "	3000.00	6000.00	"	"
51.	Pressure coefficient apparatus (constant volume with Zeeman Bulb without Hg)	"	2 "	1700.00	3400.00	"	"
52.	Ballistic cum Deadbeat galvanometer (time period: 8-10 sec, C.P.R 2800 ohm coil resistance 100 OHM)	DEVCO	3 "	2900.00	8700.00	"	"
53.	Mega ohm resistance coil (single, accurate and each sealed in a box 20, 30, 40, 50) set	OWN	8 "	240.00	1920.00	"	"
54.	Mega ohm resistance box	"	2 "	795.00	1590.00	"	"
55.	Resistance box (0-500/1000 ohm) (1/2" block fitted manganin coil)	"	2 "	1300.00	2600.00	"	"
56.	Resistance box (0-500 ohm), (1/2" block fitted manganin coil)	"	2 "	1600.00	3200.00	"	"
57.	Resistance box (0-1000 ohm), (1/2" block fitted manganin coil)	"	6 "	1800.00	10800.00	"	"
58.	P.O Box	DI	1 "	2900.00	2900.00	SRS/2016-17/598R	"
59.	Copper boiler, 2 litre		2 Set	915.00	1830.00	"	"
60.	Hypometer, 2 litre		3 pcs	1090.00	3270.00	"	"


 Officer-in-Charge
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 Rautara, Benkura, 722135

Sl. No.	Item Name	Batch/Make	Quantity	Rate (Rs)	Total	Invoice Name	Supplier's Name
			2 pcs	2800.00	5600.00	SRS/2016-17/598A	Shyam Rai
62.	Platinum Resistance thermometer. Resistance 25 Ω	Own	2 "	4550.00	9100.00	"	"
63.	High voltage power supply (30 volt variable 5 Amp)	"	2 "	970.00	1940.00	"	"
64.	Regulated power supply, Variable 12V/3 Amp in Compact Set.	"	2 "	900.00	1800.00	"	"
65.	A.C. electronic voltmeter (1-300 V)	"	2 "	1200.00	2400.00	"	"
66.	A.C. electronic mili voltmeters (1-300 mv)	"	2 "	2300.00	4600.00	"	"
67.	Multimeter Digital LCR (Model 451)	Metzavi	2 "	160.00	320.00	"	"
68.	Flexible connecting wire (single core with different sizes) for connection in the bread board.		100 gm	380.00	380.00	"	"
69.	Constant wires		2 pcs	920.00	1840.00	"	"
70.	Dual polarity regulated power supply (for op-amp) 0/1-15 volt.	Own	2 "	920.00	1840.00	"	"
71.	Dual polarity regulated power supply (for op-amp) 0/1-12 volt.	"	2 "	920.00	1840.00	"	"
72.	Single polarity regulated power supply 5 volt, 2V/12V (Output 2 amp)	"	6 "	675.00	4050.00	"	"
73.	Copper plate for copper voltmeter size 12cm x 6cm 12cm x 6cm x 0.3 cm		6 "	90.00	540.00	"	"
74.	Copper voltmeter (built in glass) fitted with two anode plates and a cathode plate with a dummy cathode size - 12cm x 6cm x 0.3 cm.		3 "	225.00	675.00	"	"
75.	Fuse for power supply with different amps.		1 "	12.00	12.00	"	"
76.	Connecting wire for electrical circuit (22 core)		500 gm	580.00	580.00	"	"
77.	Apparatus for Determination of boiling point of liquid (Aniline)		2 pcs	6400.00	12800.00	"	"
78.	DC Voltmeters (0-2V, 0-10V) 2 pcs each		4 "	340.00	1360.00	SRS/2016-17/598H	"
79.	DC Mill Voltmeters (5 mV, 100 mV, 250 mV, 500 mV) 2 each	Ombergal	8 "	270.00	2160.00	"	"
80.	DC Ammeter (range: 0-5 Amp) stand fitted	"	2 "	280.00	560.00	"	"
81.	Therms North's kit	Own	2 "	2290.00	4580.00	"	"
82.	Digital Gauss meter.	Best Indian	2 "	7440.00	14880.00	"	"
83.	Shunt resistance box	Own	2 "	730.00	1460.00	"	"
84.	Clamp and stand, heavy type. Iron made	Own	9 "	255.00	2295.00	"	"
85.	Pohl's Commutators. (Small size)		4 "	340.00	1360.00	"	"
86.	Connecting wire with single side probe.		20 "	22.00	440.00	"	"
87.	Connecting wire with both side probe		20 "	38.00	760.00	"	"
88.	Charge and discharge key	Own.	2 "	460.00	920.00	"	"
89.	1) Anderson's Bridge (Complete Set up)	"	2 "	4350.00	8700.00	"	"
90.	Null detector for Anderson bridge (AC & DC detectors with AC & DC wires)		2 "	2050.00	4100.00	"	"
91.	Rheostat. 0-3.5A	Own	6 "	500.00	3000.00	"	"
92.	Apparatus for determination of Temp. Coefficient of resistance	"	2 "	2180.00	4360.00	"	"
92.	Determination of excitation potential Frank-hertz experiment	SES	1 "	37000.00	37000.00	"	"
93.	Determination of e/m ratio for electron by using a cathode ray tube and a pair of bar magnets	Best India	2 "	12000.00	24000.00	SRS/2016-17/598I	"
94.	Apparatus for the study of Resonance curves for series and parallel L-R, R-C, C-R circuit	Own	2 "	4575.00	9150.00	"	"
95.	Ballistic galvanometer constant by standard standard method complete set.	Deveo	2 "	20900.00	41800.00	"	"


 Officer-in-Charge
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Sl. No.	Item Name	Batch/Make	Quantity	Rate (Rs.)	Total	Invoice No.	Supplier's Name.
96.	One way key	OWN	12 pcs	68.00	816.00	SRS/2016-17/598J	SHYAM RAI
97.	Two way key	"	4 "	91.00	364.00	"	"
98.	Three way key	"	4 "	137.00	548.00	"	"
99.	Copper-constant thermocouple (length - 1 meter, suitable for thermocouple exp't. Complete with 1' long-borosil glass tube fitted)		2 "	180.00	360.00	"	"
100.	Grating (glass 3 original) - 100, 200, 300, 600 lines per cm 1 pc each		4 "	1180.00	4720.00	SRS/2016-17/598J	"
101.	Discharge tube - Hydrogen, Helium, Mercury, Neon, Argon, 8' long with metal cap 2 pcs each		8 Set	235.00	1880.00	"	"
102.	Power supply for discharge tube	Own	2 "	1825.00	3650.00	"	"
103.	Lamp and Scale stand.	Devco	5 pcs	3150.00	15750.00	"	"
104.	Discharge tube stand.	Own	2 "	340.00	680.00	"	"
105.	Spectrometer (7 inch), v.c. 20 sec.	Devco	5 "	9800.00	49000.00	"	"
106.	Sodium Vapour lamp 35w, Philips 500		2 "	2050.00	4100.00	"	"
107.	Transformer for sodium vapour lamp (35w)	Own	2 "	1190.00	2380.00	"	"
108.	Lamp House for sodium vapour lamp.	"	2 "	680.00	1360.00	"	"
109.	Plate and lens arrangement of Newton's ring.	DEVCO.	2 "	850.00	1700.00	"	"
110.	Prism. (EDE) glass made 32mm x 32mm.		2 "	700.00	1400.00	"	"
111.	Rectangular glass mirror piece for single slit experiment.		6 "	150.00	900.00	"	"
112.	Newton's Ring Apparatus.		2 "	1040.00	2080.00	"	"
113.	Convex lens (with 100 cm focal length)		4 "	35.00	140.00	"	"
114.	Concave lens (with 20 cm focal length)		5 "	35.00	175.00	"	"
115.	Determination of refractive index of the material of lens and liquid by lens mirror method. (complete set)		4 "	360.00	1440.00	"	"
116.	Single slit (Brass Body)	DEVCO	2 "	600.00	1200.00	"	"
117.	Single slit to be fitted with collimator tube (dia 5 cm, 9.2 cm)		2 "	1190.00	2380.00	"	"
118.	Double slit.	DEVCO	2 "	860.00	1720.00	"	"
119.	Polarimeter tube. (Length 20 cm, volume 25 cc) Best quality		2 "	530.00	1060.00	"	"
120.	Polarimeter experiment (Bi-quartz) (complete with glass tube fitted)	GOKO	2 "	6200.00	12400.00	SRS/2016-17/598K	"
121.	Polarizer and analyzer for Brewster's equation experiment.	DEVCO	2 Set	565.00	1130.00	"	"
122.	Polaroid for polarimeter Exp't. (Bi-quartz)		1 "	565.00	565.00	"	"
123.	Mercury Lamp. 165 w		2 pcs	225.00	450.00	"	"
124.	Transformer for mercury lamp.	Philips.	2 "	1125.00	2250.00	"	"
125.	Bulb for lamp and scale (6 volt/21 w)		6 "	80.00	480.00	"	"
126.	Zener diode (4.7, 5.6, 6.2 volt) 10 pcs each		30 "	14.00	420.00	SRS/2016-17/598L	"
127.	P-N Junction diode characteristics and a fixed resistor in parallel kit.	Own	2 Set	2270.00	4540.00	"	"
128.	Triode characteristics (both dynamic and static) apparatus with power supply 0-300v, 120 mAmp current.		2 "	2270.00	4540.00	"	"
129.	Transformer output characteristics in CE mode apparatus with regulated power supply.	Own	2 "	3390.00	6780.00	"	"
130.	Regulated power supply 0-10 volt / Lamp 0-15 2 pcs each		4 "	1550.00	6200.00	"	"


 Officer-in-Charge
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Sl. No.	Item Name	Batch/Make	Rate Qty	Rate (Rs)	Total	Invoice No.	Supplier's Name
131.	Zener diode characteristics kit digital meter fitted	Own	2 pcs	2270.00	4540.00	SRS/2016-17/598L	Shyam Rai
132.	OP-Amp boost digital meter fitted	"	2 "	2270.00	4540.00	"	"
133.	BNC probe for CRO	"	2 "	185.00	370.00	"	"
134.	Compact set for study of frequency response curve of CE amplifier with different load. (Using NPN with large bandwidth from 1KHz to 100KHz)	Own	2 "	2950.00	5900.00	"	"
135.	Diode B _y 125, B _y 127, 1N4148, 1N4007 5 pcs Each.	"	20 "	9.00	180.00	"	"
136.	Compact set for drawing Transistor characteristics in CE mode (fitted with bread board additionally)	Own	2 "	3900.00	7800.00	"	"
137.	Determination of Band-gap of Thermistor Semiconductors Devices (with temperature controller and with voltmeter)	"	2 "	4000.00	8000.00	"	"
138.	Hybrid Parameters Board.	"	2 "	2490.00	4980.00	"	"
139.	Fourier spectrum Board.	"	2 "	1030.00	2060.00	"	"
140.	Wein's Bridge Board with digital meter & Oscilloscope.	"	2 "	3320.00	6640.00	"	"
141.	Function Generator upto 1MHz. Best India	Best Indian	2 "	5690.00	11380.00	SRS/2016-17/598M	"
142.	Audio Oscillator (1Hz - 100kHz)	Own	2 Set	2800.00	5600.00	"	"
143.	Storage Oscilloscope (Dual trace) 20 MHz	Medtravi	2 Set	4000.00	2000.00	"	"
144.	Rectifier Bridge also centre tap transformer with type type or without filter and bread board provisions additionally. (fitted with vacuac for a.c input vaccination)	"	2 Pcs	3650.00	7300.00	"	"
145.	Power supply for zener diode expt (0-10V, 500mA)	Own	2 "	770.00	1540.00	"	"
146.	Calculators (Casio 6x100)	"	2 "	780.00	1560.00	"	"
147.	Logic circuit trainer board (NOT, AND, OR logic using NAND)	OWN	2 "	1970.00	3940.00	"	"
148.	IC chip - 741, 7400, 7402, 7403, 7408, 7432 IC chip - 7484, 7486, IC chip - 7412, 7406, 7491, 5 pcs each.	"	60 "	25.00	1500.00	"	"
149.	Transistor - 2N2222, 2N2907, Transistor - 157, 147, Transistor - C1100/S1100, C1100. 10 pcs each.	"	60 "	17.00	1020.00	"	"
150.	Discrete resistance component (All possible colour code resistance from 10 ohm to 820 Kilo ohm)	"	3 pkt.	100.00	300.00	"	"
151.	Discrete capacitance: (All possible values from 1 pF to 0.68 micro farad)	"	10 pcs.	4.00	40.00	"	"
152.	Discrete inductance: 8, 10, 15, 18, 20, 22, 33, 38, 47, 50 mH 1 each	"	10 "	250.00	2500.00	"	"
153.	Bread Board, Imported	"	6 "	150.00	900.00	"	"
154.	Carbon potentiometer (1Kohm, 10Kohm, 100Kohm) 6 each.	"	18 "	20.00	360.00	"	"
155.	Mercury pulse Best quality	"	5 kg.	3800.00	19000.00	SRS/2016-17/598N	"
156.	Stop watch Digital.	Races	11 Pcs.	370.00	4070.00	SRS/2016-17/598O	"
157.	Stokes Law apparatus	Own	2 "	2300.00	4600.00	"	"
158.	Lee's and Chastons apparatus.	"	2 "	3200.00	6400.00	"	"
159.	Slide calipers 12.5 cm long full SS body with cabinet fitted.	"	10 "	155.00	1550.00	"	"
160.	Bar Magnet (2 inch)	"	6 pairs	48.00	288.00	"	"
161.	Standard solenoid (3 amp primary turns - 1550 secondary turns)	"	4 Pcs.	3000.00	12000.00	"	"
162.	P.O Box	DI	2 "	2900.00	5800.00	"	"
163.	DC voltmeter (0-2V, 0-10V). 2 pcs each	"	4 "	340.00	1360.00	"	"
164.	DC Mill voltmeter (50 mV, 250 mV, 500 mV)	"	4 "	270.00	1080.00	"	"

M. J. J. J.
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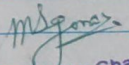
S.L. No.	Item Name	Batch/Make	Qty	Rate (Rs)	Total	Invoice No.	Supplier's Name
165.	DC Ammeter (range: 0-5 Amps) Stand fitted	Oxford	4 Pcs	280.00	1120.00	SRS/2016-17/5980	Shyam Rai
166.	Grating (Glass and original) - 100, 200, 300, 600 lines per cm 1 pc each		4 "	1180.00	4720.00	"	"
167.	Sodium Vapour lamp 35W,	Philips	2 "	2050.00	4100.00	"	"
168.	Transformers for sodium vapour lamp (35W)	Own.	2 "	1190.00	2380.00	"	"
169.	Polym. (EDF) glass made 32 mm * 32 mm		5 "	700.00	3500.00	"	"
170.	Single slit (Boars body)	DEVCO	4 "	600.00	2400.00	SRS/2016-17/598P	"
171.	Single slit to be fitted with collimator tube (dia 5.5cm, 3.2 cm)		4 "	1190.00	4760.00	"	"
172.	Double slit	DEVCO	4 "	860.00	3440.00	"	"
173.	Fresnel's Bispism experiment (Com. set)	"	3 "	7400.00	22200.00	"	"
174.	Zener diode (4.7, 5.6, 6.2 volt)		30 "	14.00	420.00	"	"
175.	IC CHIP - 741, 7408, 7402, 7403, 7408, 7432 IC CHIP, 7474, 7486, 7426, IC CHIP - 74121, 4046, 7491, 5 Pcs each		260 "	25.00	6500.00	"	"
176.	Transistor - 2N2222, 2N2907, Transistor - 157, 147, Transistor - CL100, SL100, CK100, 10 Pcs each		120 "	17.00	2040.00	"	"
177.	Bread Board. Imported.		20 "	150.00	3000.00	"	"
178.	Mercury Pulse Best Quality		3.5 kg	3800.00	13300.00	"	"
179	Digital Balance (capacity 200 gm, sensitivity - 10 mg)	Own	2 Pcs	13600	27200	SRS/2016-17/655A	"
180	Fortin's Barometer	Own	1 Pcs	5100	5100	"	"
181	Moment of inertia apparatus with two bars (one with rectangular, cross section and other with circular cross section)	Own	1 Pcs	2195	2195	"	"
182	Young's Modulus apparatus by Searle's method	Own	1 Pcs	3700	3700	"	"
183	Stop watch / Stop clock analog	Racer	5 Pcs	370	1850	"	"
184	Traveling microscope (Two position, Three position)	Own	2 Pcs	5700	11400	"	"
185	Heating Mantle (with regulator) (1 litre capacity)	Own	1 Pcs	1300	1300	"	"
186	Cathetometer (1/2 mtr.)	Own	1 Pcs	9950	9950	"	"
187	Viscosity by Poiseuille's Method	Own	1 Pcs	1490	1490	"	"
188	Copper water bath for Jaeger's App'ts (with Stirrer)	Own	1 Pcs	850	850	"	"
189	Pinch Cock	Own	5 Pcs	33	165	"	"
190	Pressure head (Poiseuille's Expt.)	Own	1 Pcs	900	900	"	"
191	Lee's and Chantton's apparatus	Own	1 Pcs	3200	3200	"	"
192	Magnetometer (Vibration and deflection type)	Own	1 Pcs	1050	1050	"	"
193	Magnetometer (vibration and deflection type)	Own	1 Pcs	1900	1900	"	"
194	Screw gauge	Own	10 Pcs	270	2700	"	"
195	Slide calipers	Own	5 Pcs	155	775	"	"
196	Thermometer (1/10 degree)	"	5 Pcs	140	700	SRS/2016-17/655B	"
197	Thermometer (1/2 degree)	"	5 Pcs	140	700	"	"
198	Thermometer (1 degree)	"	5 Pcs	140	700	"	"
199	Tuning fork set (Eight/Six different frequency)	"	2 Pcs	580	1160	"	"
200	Apparatus for determining the variation of thermo EMF of Thermo couple with the temp. difference of two junctions.	"	1 Pcs	9900	9900	"	"

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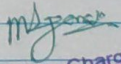
Sl. No.	Item Name	Batch/Make	Qty	Rate (Rs)	Total	Invoice No.	Suppliers Name
201	Mica Capacitor Box (0.1 mfd - 5 mfd, 0.001 mfd - 10 mfd, 0.11 mfd - 10 mfd)	Own	1 Pcs	700	700	SRS/2016-17/655C	Shyam Rai
202	Mutual inductance Coil	"	1 Pcs	2240	2240	"	"
203	Fractional Resistance Box of all possible combinations	"	1 Pcs	1200	1200	"	"
204	Carney faster bridge apparatus	"	1 Pcs	1600	1600	"	"
205	Meter bridge apparatus	"	1 Pcs	1600	1600	"	"
206	Table Galvanometer	"	2 Pcs	325	650	"	"
207	DC Milli-ammeter (0-5 mA, 0-100 mA, 0-200 mA) (DIN/1/2)	"	2 Pcs	280	560	"	"
208	Jacky for meter bridge	"	2 Pcs	280	560	"	"
209	Compact set for investigation of a series L-circuit A.C. Voltmeter arrangement	"	1 Pcs	4600	4600	"	"
210	Standard Solenoid (3 amp primary turns, 1-50 secondary turns; 100, 250, 1000 turns)	"	1 Pcs	3000	3000	"	"
211	Pressure coefficient apparatus (Casi. Vln)	"	1 Pcs	1700	1700	"	"
212	Ballistic Galvanometer (Time period - 1.1/12 Sec, C.P.R. 10000 W, Coil resistance 200 W, D type)	"	1 Pcs	2900	2900	"	"
213	100 Mega ohm resistances coil (Single, accurate and each scaled to a box 20, 20, 40, 50 ohm)	"	2 Pcs	240	480	"	"
214	Resistance Box (0-500W, 0-500W, 0-100W)	"	2 Pcs	1300	2600	"	"
215	Resistance Box (0-500W, 0-500W, 0-100W)	"	2 Pcs	1600	3200	"	"
216	Resistance Box (0-500W, 0-500W, 0-100W)	"	1 Pcs	1800	1800	"	"
217	P.O. Box	"	1 Pcs	2400	2400	"	"
218	Copper boilers 2-5 lit	"	1 Pcs	915	915	"	"
219	Hypsometer - 2 lit	"	1 Pcs	1090	1090	"	"
220	Platinum resistance thermometer	"	1 Pcs	2800	2800	"	"
221	High voltage power supply (30V variable, 5A)	"	1 Pcs	4550	4550	"	"
222	Regulated power supply - 2V, 4V, 6V, 8V, 10V, 12V and 20V, 30V, 40V, 50V, 60V, 70V, 80V, 90V, 100V	"	2 Pcs	970	1940	"	"
223	A.C. electronic Voltmeter/milli Voltmeter (1-300V)	"	1 Pcs	900	900	"	"
224	A.C. electronic Voltmeter/milli Voltmeter (1-300V)	"	1 Pcs	1200	1200	"	"
225	Multimeter, Model - 451	Motnari	1 Pcs	2300	2300	"	"
226	Dual Polarity regulated power supply (for 4 amp)	Own	2 Pcs	920	1840	"	"
227	Dual Polarity regulated power supply (for 4 amp)	"	2 Pcs	920	1840	"	"
228	Apparatus for determination of boiling point of liquids	"	1 Pcs	6400	6400	SRS/2016-17/655D	"
229	DC Voltmeters (0-2V, 0-10V)	"	3 Pcs	340	1020	"	"
230	DC Voltmeters (0-2V, 0-10V)	"	3 Pcs	340	1020	"	"
231	DC Mill Voltmeter (with different ranges)	"	2 Pcs	270	540	"	"
232	DC Ammeters (with different ranges)	"	4 Pcs	280	1120	"	"
233	Theren's Norton's Kit	"	1 Pcs	2290	2290	"	"
234	(i) Anderson's Bridge (Complete setup)	"	1 Pcs	4350	4350	"	"
235	Null detector for Anderson bridge (Ac & Dc detector with Ac & Dc source)	"	1 Pcs	2050	2050	"	"
236	Apparatus for determination of Temp. Coefficients of resistance - Full set	"	1 Pcs	2180	2180	"	"

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Sl/NO.	Item NO.	Batch/Make	Qty	Rate (Rs)	Total	Invoice NO.	Suppliers/Name
237	Determination of excitation potential from ^{photo experiment}	Own	1 Pes	37000	37000	SRS/2016-17/655D	Shyam Rai
238	Determination of e/m for electron by using a cathode ray tube and a pair of 600 m grid	"	1 Pes	12000	12000	"	"
239	Apparatus for the study of Resonance curves for series and parallel L-R, R-E, L-C-R circuit	"	1 Pes	4575	4575	"	"
240	Generating (Glass & Original) - 100, 200, 300, 600 lines/cm	"	2 Pes	1180	2360	SRS/2016-17/655E	"
241	Discharge tube: - Hydrogen, Helium, Mercury, Neon	"	2 Pes	235	470	"	"
242	Power supply for discharge tube	"	2 Pes	1825	3650	"	"
243	Lamp and scale stand	"	1 Pes	3150	3150	"	"
244	Discharge tube stand	"	2 Pes	340	680	"	"
245	Spectrometer (7 inch) Scale dia 10^2 , V.C 20 sec (1/3)	"	1 Pes	9800	9800	"	"
246	Sodium Vapour lamp 35w, 55w	"	1 Pes	2050	2050	"	"
247	Transformer for Sodium Vapour lamp (35w/55w/100w)	"	2 Pes	1190	2380	"	"
248	Lamp House for Sodium vapour lamp	"	1 Pes	680	680	"	"
249	Plate and lens arrangement of Newton's ring	"	1 Pes	850	850	"	"
250	Prism (EDF)	"	3 Pes	700	2100	"	"
251	Rectangular glass mirror piece for single slit exp	"	2 Pes	150	300	"	"
252	Newton's Rings a Mercury Lamp Apparatus	"	1 Pes	1040	1040	"	"
253	Convex lens (with different focal length)	"	6 Pes	35	210	"	"
254	Concave lens (with different focal length)	"	5 Pes	35	175	"	"
255	Single slit	"	4 Pes	600	2400	"	"
256	Single slit tube fitted with coil meter tube dia 5.5 cm, 3.2 cm	"	2 Pes	1190	2380	"	"
257	Double slit	"	4 Pes	860	3440	"	"
258	Polarimeter tube (Length 20cm, Volume 25 cc).	"	2 Pes	530	1060	SRS/2016-17/655F	"
259	Fresnel's Biprism experiment	"	3 Pes	7400	22200	"	"
260	Polarimeter Experiment (Bi-quartz)	"	1 Pes	6200	6200	"	"
261	Polarize and analyze for Fresnel's exp. (dia 5.5 cm, 3.2 cm)	"	1 Pes	565	565	"	"
262	Polaroid for polarimeter Expt. (Bi-quartz)	"	2 Pes	565	1130	"	"
263	Mercury Lamp	"	2 Pes	225	450	"	"
264	Transformer for Mercury Lamp	"	2 Pes	1125	2250	"	"
265	Bulb for Lamp and scale (6x12x6 cm/15 watt)	"	2 Pes	80	160	"	"
266	Zener diode (4.7, 5.6, 6.2 volt)	"	10 Pes	14	140	SRS/2016-17/655G	"
267	P-N junction diode characteristics and a fixed bias a transition output characteristics in CE mode	"	1 Pes	2270	2270	"	"
268	Apparatus with regulated power supply	"	1 Pes	3390	3390	"	"
269	Regulated power supply (a) 0-10 Volt (variable) (b) 0-15 Volt (variable)	"	1 Pes	1550	1550	"	"
270	Zener diode characteristics kit	"	1 Pes	2270	2270	"	"
271	OP-Amp board	"	1 Pes	2270	2270	"	"
272	BNC Probe for GPO	"	1 Pes	185	185	"	"


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Sr/No	Item No.	Batch/Make	Qty	Rate (Rs)	Total	Invoice NO.	Suppliers Name.
273	Compact set for Study of frequency response curve of CE amplification with diff. load (Using NPN with large load value from 1 k Ω to 100k Ω)	Own	1 Pcs	2950	2950	SRS/2016-17/655G	Shyam Rai
274	Diode by 125, In 4148, IN4007	"	20 Pcs	9	180	"	"
275	Compact set for drawing Transistor in CE mode (fitted with bread board & dc supply)	REL Exp. Equipments	1 Pcs	3900	3900	"	"
276	Determination of Band-gap of Transistor/Semiconductor Devices (with temp. controller & I/V meter)	Own	1 Pcs	4000	4000	"	"
277	Function Generator up to 1MHz	"	1 Pcs	5690	5690	"	"
278	Storage Oscilloscope (Dual trace) 20MHz	"	1 Pcs	11000	11000	"	"
279	Rectifier Bridge, also center tap transformer with diff. type of capacitor filter & load (with provision of adding filter capacitor)	"	1 Pcs	3650	3650	"	"
280	Power Supply for Zener diode exp. (0-10V, 500mA)	Own	1 Pcs	770	770	"	"
281	Calculator (Casio fx-100)	Casio fx	1 Pcs	780	780	"	"
282	Logic circuit trainer board (NOT, AND, OR logic IC chip - 741, 7400, 7474, 74121, 4055, 7486, 7478, 7402, 7409, 7403, 7426, 7432, AD-847)	Own	1 Pcs	1970	1970	"	"
283	Transistor - 2N2222, 2N2907, 157, 143, CL/SI 100	"	20 Pcs	17	340	"	"
285	Discrete resistance component (All possible colour code resistance from 10 Ω to 820 k Ω)	"	2 Pkt.	100	200	"	"
286	Discrete capacitance (All possible values from 1 pF to 1000 μ F)	"	20 Pcs	4	80	"	"
287	Discrete inductance: 5, 10, 15, 18, 20, 22, 33, 47, 50 mH	"	10 Pcs	250	2500	"	"
288	Bread Board	"	5 Pcs	150	750	"	"
289	Carbon potentiometer (1 kohm, 10 kohm, 100 k Ω)	"	12 Pcs	20	240	"	"
290	Mercury (EMARC)	EMARC	2 kg	3800	7600	SRS/2016-17/655H	"
291	Beaker 50 ml	Borosil	40 Pcs	65	2600	"	Sourav
292	Beaker 100 ml	"	40 Pcs	69	2760	"	"
293	Beaker 250 ml	"	40 Pcs	72	2880	"	"
294	Beaker 500 ml	"	40 Pcs	120	4800	"	"
295	Beaker 1 Lt	"	40 Pcs	240	9600	"	"
296	Measuring Cylinder 50 ml	"	10 Pcs	332	3320	"	"
297	Measuring Cylinder 100 ml	"	10 Pcs	380	3800	"	"
298	Measuring Cylinder 150 ml	"	10 Pcs	516	5160	"	"
299	Measuring Cylinder 250 ml	"	10 Pcs	700	7000	"	"
300	Measuring Cylinder 500 ml	"	10 Pcs	915	9150	"	"
301	Measuring Cylinder 1 lit	"	10 Pcs	1388	13880	"	"
302	Viscosity tube 3A 1.5 mm	"	3 Pcs	1835	5505	"	"
303	Viscosity tube 3A 2.0 mm	"	3 Pcs	3800	11400	"	"
304	Viscosity tube 3A 2.5 mm	"	2 Pcs	4410	8820	"	"
305	Glass bike for Stokes law app 360	"	3 Pcs	2800	8400	"	"
306	wolf Bottles	"	4 Pcs	1325	5325	"	"
307	Copper Sulphate Mercur	"	10x500 gm	740	7400	"	"
308	Cayfor oil	"	3x5 Lit	2400	7200	"	"

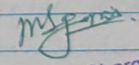

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Item NO.	Make/Brand	Qty	Rate (RS)	Total	Invoice No.	Supplier Name
309	Aniline	2x2.5 Lt	2990	5980		
310	Ammonium chloride	Merck	2x50g	350	197C	SSC
311	Napthaline	"	4x50	410	1d v	-
312	Sucrose	"	2x50g	392	"	✓
313	Ni-Fe Cell solution	"	2x50g	850	-	-
314	Distilled water	"	2x5 lit	220	-	-SSC
315	R.B.F 100ml	Banasil	2 pcs	150	"	"
316	R.B.F 250ml	"	2 pcs	192	"	✓
317	R.B.F. 500 ml	"	2 pcs	375	"	✓
318	R.B.F 1 Lt	"	2 pcs	375	✓	✓

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ITEMS	RATE	QTY	TOTAL	SUPPLIER	INVOICE NO.
Determination of spring constant of a spring modulus of rigidity. Make: Tolado/Decco/Own make. 1Mtr long.	2183.00	2	4366	SSC	ssc/gst 15/2017-18 Dated 16.11.2017
INCO Bar pendulum 1 mtr long with holes at regular intervals with wall bracket. Make: INCO. Catalogue No. 2263	3658.00	3	10974	"	"
Sextant 192 mm. radius. Stainless steel scale read on a micrometer head to 12 sec.s. Complete with sight tube, sun glass, inverting telescope. In case. Make: INCO. Catalogue No. 4298.	10030.00	2	20060	"	"
INCO stand for sextant, on heavy base with levelling screws. Make: INCO. Catalogue No. 4299	4248.00	2	8496	"	"
INCO Fly wheel, fitted with resettable revolution counter with weight set 50 gm for fly wheel. Make: INCO. Catalogue No. 2282	6136.00	2	12272	"	"
Maxwell's needle with coil bracket carrying pin chuck with stand. Make: INCO. Catalogue No. 2290A.	10039.00	2	20078	"	"
Searle's app. for Rigidity with 3 test wires. with stand. Make: INCO. Catalogue No. 2270 A.	9204.00	2	18408	"	"
To investigate the motion of coupled oscillators. Complete with two metallic stand & clamp, pendulum bob, white thread. Full complete set.	12980.00	2	25960	"	"
Determination of Plank's const. using LED (4 different colours). Determination of Plank's const. by means of LED's, PCA-01.	28000.00	2	56000	"	"
Audio Oscillator. (1 Hz - 100 KHz). ^{make} Own	5310.00	2	10620	"	"
Grating - 100 lines per cm Helzer & Watt Analytical Imported.	1298.00	2	2596	"	"
Grating - 200 lines per cm Helzer and Watt Analytical Imported.	1298.00	2	2596	"	"
Grating - 300 lines per cm Helzer & Watt Analytical Imported	1298.00	2	2596	"	"
Constantan wire SWG 24.	531.00	2	1062	"	"
Prism. (EDF) size 32x32 mm	885.00	2	1770	"	"
Prism. (EDF) size 38x38 mm	1009.00	2	2018	"	"

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SL. No.	Description	Qty.	Rate	Value	Supplier	Invoice No.
1.	To determine the Coefficient of thermal Conductivity of by Searle's Apparatus. Complete set with Searle's Apparatus, 4 thermometer (20.5 deg C, 20.1 deg C), stop-clock.	2 sets	8024.00	16048.00	SRSS	SRS/2018-19/17
2.	Photo-electric effect: Photo electric current versus intensity and wavelength of light; maximum energy of photo-electrons versus frequency of light (Planck's Constant by Photoelectric Effect, PC-101) Make: SES Roorkee	1 set	32096.00	32096.00	"	"
3.	Photo-electric effect: Photo current versus intensity and wavelength of light; maximum energy of photo-electrons versus frequency of light. Make: Microtech	1 set	19706.00	19706.00	"	"
4.	To determine the wavelength of H-alpha emission line of Hydrogen atom. Complete with 7 inch 90 sec spectrometer, Deflection grating 2500 LPI Hilger and Hatt analytical, High voltage source, discharge tube hg, and metallic stand. Full complete set. (only spectrometer Devco make.)	1 set 1 set	19234.00 50092.00	19234.00 50092.00	"	"
5.	To determine the wavelength of laser source using diffraction of single slit. Diode Laser source and with power supply 2 milliwatt and detector Make: Trisumala Photonics. 7 inch 90 sec spectrometer. on 1.5 Mtr. Optical bench.	2 sets.	25016.00	50032.00	"	"
6.	Determination of ionization potential of mercury. Make: Triode. Full Complete set. (+GST 18%)	2 sets.	5664.00	11328.00	"	"
7.	To show the tunnelling effect in tunnel diode using I-V characteristics. Make: Triode (+GST 18%)	2 sets	7316.00	14632.00	"	SRS/2018-19/18

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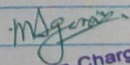
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Sl.No	Description	Qty	Rate	Value	Supplier	Invoice No.
8.	To draw the BH curve of Fe using solenoid B determine energy loss from Hysteresis. An anchoring, a standard solenoid with primary and secondary, A ballistic galvanometer, Three resistance boxes (0-500 ohm, 0-10k ohm; 0.1-10 ohm), a plug key, A two way key, Pohl's commutator, Two tapping keys, A rheostat of high current bearing capacity. An ammeter, A battery dry cell 12V, 5Amps. (+GST 18%)	1 set	25370.00	25370.00	S.R.S.S	SRS/2018-19/18
9.	Magnetic Hysteresis Loop Tracer HLT-III. Complete with all respect. Make: SES Roorkee (+GST 18%)	1 set	37760.00	37760.00	"	"
10.	To measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150°C) and to determine its band gap. ADVANCE MODEL, DFP-03. SES ROORKEE (+GST 18%)	2 sets	26786.00	53572.00	"	"
11.	To verify the law of Malus for plane polarized light. Make: Triode (+GST 18%)	2 sets	15104.00	30208.00	"	SRS/2018-19/19
12.	To study the polarization of light by reflection and determine the polarizing angle for air-glass interface. Full complete set. (+GST 18%)	2 sets	18172.00	36344.00	"	"
13.	Determination of refractive index of the material of glass and liquid by total internal reflection using Gaussian eyepiece. Complete set Own make. (+GST 18%)	2 sets	1280.00	2560.00	"	"

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Sl.No.	Description	Qty.	Rate	value	Supplier	Invoice
1.	Best quality pipe (per ft.)	160 pes.	65/-	10,400/-	S.R.S.S.	SRS/2018-19/20
2.	Click on adaptor.	2 "	3200/-	6400/-	"	"
3.	cylinder flexible pipe	2 "	300/-	600/-	"	"
4.	Non return valve	20 "	400/-	8000/-	"	"
5.	Manifold connection	20 "	450/-	9000/-	"	"
6.	Adjustable regulator	20 "	350/-	7000/-	"	"
7.	Main Line shut off valve with ball valve	3 "	1500/-	4500/-	"	"
8.	Terminal	3 "	700/-	2100/-	"	"
9.	Needle Control valve	20 "	270/-	5400/-	"	"
10.	Spe Pressure tube (per.mtr.)	60 "	70/-	4200/-	"	"
11.	Bunsen burner with control valve	20 "	350/-	7000/-	"	"
12.	$\frac{3}{8}$ socket brass	20 "	55/-	1100/-	"	"
13.	$\frac{3}{8}$ MIS Thredal. brass	20 "	110/-	2200/-	"	"
14.	$\frac{1}{2}$ short bend brass	20 "	60/-	1200/-	"	"
15.	$\frac{3}{8}$ elbow brass	20 "	120/-	2400/-	"	"
16.	$\frac{1}{2}$ clamp	20 "	50/-	1000/-	"	"
17.	Union	20 "	100/-	2000/-	"	"
18.	Brass nut for MIS nipple	40 "	120/-	4800/-	"	"
19.	NE valve Brass	20 "	200/-	4000/-	"	"
20.	Brass N.N. Extra heavy	20 "	220/-	4400/-	"	"
21.	Teflon roll	20 "	50/-	1000/-	"	"
22.	$\frac{3}{8}$ manifold fixed nut ripple	20 "	110/-	2200/-	"	"
23.	Labour and fitting charge		10,000/-	10,000/-	"	"


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