

# Govt. Revati Raman Mishra P.G. College, Surajpur, Dist- Surajpur (C.G.)

(Items to be purchased from RUSA fund)

## 1. LAB INSTRUMENT

<b>S. No.</b>	<b>Instruments</b>	<b>Company Name</b>	<b>Quantity</b>	<b>Specification</b>
<b>Department of Chemistry</b>				
1	Ultraviolet Inspection Cabinet	modernScientific instrumentsco	3	Model no. MICC-4
2	Digital TDS meter	modernScientific instrumentsco.	1	Model no. MICET-13
3	Magnetic Stirrer with hot plate	Mac (Macro Scientific works Pvt.ltd)	5	Model no. MSHP-280(2)
4	Fridge - 20 <sup>0</sup> C	LG	3	Frost-free double-door; 375 litre
5	Melting Point Apparatus	modernScientific instrumentsco.	1	Model no. MIC-207 DELUX MODEL
6	Microcentrifuge	REMI	1	Model no. RM-12C

7	MICROLIT Micropipette 200- 1000µL	modernScientific instrumentsco.	2	Model no. MICH-17
8	MICROLIT Micropipette 1000- 5000 µL	modernScientific instrumentsco	2	Model no. MICH-17
9	POLARIMETER	Standard suppliers	1	3 DIGIT led display
10	Heating Mantle 1 L	modernScientific instrumentsco	3	450 watt, Model no. MIC219(d)
11	pH meter	Mac (Macro Scientific works Pvt.ltd)	3	Model no. MSW-551
12	Digital analytical balance in 4 digits	modernScientific instrumentsco.	1	Model no. DAB 220
13	Vacuum Oven with vacuum pump 17 lit.	modernScientific instrumentsco.	1	Model no. MIC-105(a)
14	Vacuum Pump oil FREE 25 LTRS	Mac (Macro Scientific works Pvt.ltd)	1	Model no. MSW-374
15	Ice Maker	croma	1	Model no. CRAR3001
16	Muffle furnace with microprocessor Temp. range upto 900 °C	Mac (Macro Scientific works Pvt.ltd)	1	Model no. MFLT-5(DX)

17	uv-vis spectrophotometer with computer	Agilent	1	Model no. Cary 60 uv-vis
18	Rotary vacuum evaporator with WATER BATH AND vacuum pump oil free	Mac (Macro Scientific works Pvt.ltd)	1	Model no. MSW-191(DR)
19	Digital flame photometer with double display	modernScientific instrumentsco.	1	Model no. MICET-23
20	conductivity meter microprocessor based	Mac (Macro Scientific works Pvt.ltd)	4	Model no. MSW-553
21	Digital conductivity tds meter with conductivity cell and spare temperature probe	Mac (Macro Scientific works Pvt.ltd)	1	Model no. MSW-554
22	Digital nephlo/turb. Meter	Mac (Macro Scientific works Pvt.ltd)	2	Model no. MSW-558
23	Digital potentiometer WITH Pt - ELECTRODE	Mac (Macro Scientific works Pvt.ltd)	4	Model no. MSW-552
24	Digital photo	Mac (Macro Scientific works	2	Micro processor with lcd display 230V AC. Model no. MSW -559

	colorimeter	Pvt.ltd)		
25	Mini rotary flask shaker	Mac (Macro Scientific works Pvt.ltd)	2	Model no. MSW-300
26	TLC kit	Mac (Macro Scientific works Pvt.ltd)	1	Model no. MSW-520
27	Water bath rectangular	Mac (Macro Scientific works Pvt.ltd)	2	Model no. MSW-271
28	Split ac	LG	3	<a href="#">2</a> TON
<b>Department of Zoology</b>				
29	Compound Microscope monocular	modernScientific instrument sco.	10	Model no. HSA olympus
30	Large rotator microtome (open type)	modernScientific instrument sco.	1	Model no. MIC-72
31	Dissecting microscope	modernScientific instrument sco.	5	Entomological MIC-14(b)
32	Compound Microscope bionocular	modernScientific instrument sco.	1	<a href="#">magnus</a> ms-til with light system Olympus Model no. MAGNUS MLX-B
<b>Department of Botany</b>				

33	Trinocular research microscope with 35 mm SLR camera	modernScientific instrument sco.	1	Model no. MIC-9
34	Electrophoresis apparatus paper model	modernScientific instrument sco.	1	MICC-10
35	Phase contrast dark field bionocular microscope	modernScientific instrument sco.	1	Model no. MIC-7
36	AUTO CLAVE VERTICAL	modernScientific instrument sco.	1	<a href="#">22</a> Lit., Model no. msw-101 (hp)
37	Plant growth chamber	modernScientific instrument sco.	1	Model no. MIC-239, 147 lit.
38	Horizontal laminar flow cabinet stainless steel	modernScientific instrument sco.	1	Model no. MIC-251(c) LH - 42 4feet x2 feet x2 feet
39	Hot air oven 95 lit	modernScientific instrument sco.	2	Digital controlled Model no. MIC-101 (c)

40	Incubator 45 lit. digitally controlled	modernSci entific instrument sco.	1	Model no. MIC-121
41	Compound Microscope with oil immersion lens	modernSci entific instrument sco.	1	olympus
42	Chromatography cabinet research grade	modernSci entific instrument sco.	2	Model no. MICC-2 24INCH x12 INCH x24 INCH
43	Zoom stereoscopic binocular microscope	modernSci entific instrument sco	1	Model no. MIC-19
44	BOD incubator	modernSci entific instrument sco	1	Model no. MIC-237, 65 lit.
45	Counting chamber	modernSci entific instrument sco	2	Model no. MICH-8 with bright line
46	Ocular micrometer	modernSci entific instrument sco	2	1Cm-100div.
47	Stage micrometer	modernSci entific	2	1Cm-100div.

		instrument SCO		
<b>Department of Physics</b>				
48	Zeeman Apparatus (Complete Set)	Standard suppliers	1	Constant deviation spectrograph Calibration range: 4000 Å – 7000 Å, ± 10 Å; Constant deviation spectrograph prism ( $\mu= 1.71$ ); Fabry-Perot Etalon. Glass plates size: 32mm; Clear aperture: 25 mm R/T= 80/20 + 5%; Micrometer eyepiece. Range: 25 mm (Least Count: 0.01mm) Eyepiece Magnification: 10x; Electromagnet 10 kilo Gauss at 10 mm gap between its poles; Digital Constant Current Power supply (30V;10Amp); Neon discharge tubes (2 Nos.); Wooden stand with clamp for holding discharge tube; High voltage transformer to run the above discharge tubes (Voltage Range: 1KV – 4.5KV); Digital Gauss meter with probe 0-20 KG
49	Thomson Apparatus (Complete Set)	Standard suppliers	1	Should be designed to Measure CATHODE RAY TUBE CHARACTERISTICS "e/m" by Bar Magnet Method. simple 01 Cathode : Unipotential oxide apparatus to measure the value of e/m experimentally. 02 Heater Voltage : 6.3 Volts AC or DC; 03 Heater Current : 0.15 ± 0.015 Amp.
50	Calorimeter	Local	2	Vessel Volume Range 50 mL, 100 mL; Jacketed Vessel Shapes-Torispherical, Conical, Temperature Range -90 °C to 250 °C (with seal kit)
51	Table (Honeycomb hole)	Local	1	Rigid supporting stand with leveling mechanism. Mild Steel Stand; Top plate of 6mm thick Stainless steel sheet.; Bottom plate 3mm thick made of Aluminium holes with 25mm center distance. 4 Ft * 3 Ft
52	Mercury Lamp	Standard suppliers	2	175 W

## 2. Smart Classroom

S. No.	ITEMS	Company	Quantity	Specification
1	Projector	Epson/Sony	2	Dimension: 31.5 x 23 x 7.5 cm; Aspect Ratio 4:3; Digital Zoom 1.35 X; Horizontal Resolution 1024 Pix; Max Vertical Resolution 768 Pix; Noise Level 37 dB; Wattage 220 Watts; USB Ports 1; Remote
2	Projector Screen and tripod stand	Local	2	Size: - 8 Ft. x 6 Ft.; Compatible with all Projectors; With UHD, 3D and 4K; Spring Action Mechanism; Material Imported Super High Gain Matt White Black Coated Fabric
3	Molecular models	Authentic suppliers	4	Plastic Generic Molecular Model Set With Box Organic And Inorganic Chemistry; Material Type(s) Plastic; Multi Color
4	Computer tables	CSIDC	2	Dimen(cm): 750W * 400D * 750H Rigid Steel frame with fixed table top, with slideable keyboard tray, CPU and UPS panel and foot rest
5	Podium	Standard suppliers	2	Fabricated from Steel Sheets, MDF Boards & Laminated Wood, In Dimensions: Height 107.95 cm; Floor Area: 50.80cm x 40.64cm, In-built Tube Light in the Wooden Top to Increase Readability in Dim Lighting Conditions.
6	Mike	Standard Electronic supplier	2	Fixed-Frequency Design; Dual set up, Wireless Receiver; two sets of VH200 Handheld Q6 Transmitters; 1/4" Outputs; 200' Operating Range (Line-of-Sight), with AC adapter
7	Sound system	Standard Electronic supplier	4	high output of up to 15 W, with deep bass, in-built battery of 1800 mA with playback time of approx 12-18 hours in microphone mode.
8	Laser pointer	Standard Electronic supplier	2	Laser Pointer 2.4G RF Remote Control Pen, Power Supply: 200mAh,3.7V (lithium battery), Wireless Distance: about 50m, Size: 13.4cm * 1.8cm * 1cm



9	UPS	Intex/ luminous/ apc	2	Weight 4.7 Kg; Dimens. 23.7 x 10.7 x 21.8 cm; Batteries: 1 Lithium Polymer batteries included; Wattage: 360 Watts; Battery Standby Life 20 Minutes; Battery Life (in hours) 3 Years; Lithium battery Voltage 230 Volts
10	Extension Boards	Havells/ Orient/ Philips	4	Surge capacity: 6500; LxWxH: 8.7x4.5x38.5 cm; Power: 2400 watts, Voltage: 240 volts, Freq: 50 hertz; Heavy duty 3 Core x 0.75 Sq. mm power cable of 2 meters length; Equipped with 4 universal sockets with shutters for safety
11	Desktop Computer	Hp/Dell	2	8th Gen, Intel Core i5, 8 GB DDR4 RAM, 1TB hard drive, 15.6-inch Full HD, Keypads and mouse
12	Airconditioner	LG	2	2 ton
<b>Total</b>				

### 3. COMPUTER

S. No	Description	Quantity	Specification
1	<b>Computers</b> brand –Dell/HP with genuine windows 10 <b>With</b> <b>UPS(Iball/Numeric)</b>	10	8th Gen, Intel Core i5, 8 GB DDR4 RAM, 1TB hard drive, 18.5 -inch Full HD, Keypads and mouse with UPS

2	Printer (Colour) Brand-Epson Model no. L3110	10	Multifunction printer- 3 in 1 print ,copy, scan
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#### 4. CLASSROOM FURNITURE

S. No.	ITEMS	Quantity	Specification	Remark
1	Student Dual Desk	160	3 seater	

#### 5. OFFICE FURNITURE

S. No.	ITEMS	Company	Quantity	Specification
1	Almirah	Gem	20	<a href="#">godrej</a>
2	Computer table	Gem	10	<a href="#">godrej</a>
3	Computer Chair	Gem	10	<a href="#">godrej</a>
4	Faculty Chairs	Gem	10	<a href="#">godrej</a>

<b>5</b>	Conference chair	Gem	20	<a href="#">godrej</a>
<b>6</b>	Office table	Gem	5	<a href="#">godrej</a>