



कार्यालय, प्राचार्य, शासकीय स्वामी आत्मानंद स्नातकोत्तर
महाविद्यालय नारायणपुर जिला-नारायणपुर (छ.ग.)

दूरभाष नं. 07781-252655, 252755, Email Add -narayanpurcollege@gmail.com

क्रमांक / 167 / स्था. / 2019-20

नारायणपुर, दिनांक 03/06/2019

// निविदा आमंत्रण //

सत्र 2019-20 में महाविद्यालय हेतु रूसा मद से निम्नांकित सामग्री का क्रय किया जाना है। इस संबंध में दिनांक 08.07.2019 तक अधोहस्ताक्षरकर्ता अधिकारी शासकीय स्वामी आत्मानंद स्नातकोत्तर महाविद्यालय, नारायणपुर (छ.ग.) के नाम से सीलबंद लिफाफा में केवल स्पीड/रजिस्टर्ड डाक द्वारा निविदा आमंत्रित की जाती है।

क्र.	सामग्री का नाम	अनुमानित राशि	अनुमानित धरोहर राशि
1	प्रायोगिक उपकरण	1903342/-	60,000/-
2	आई.सी.टी.	1403586/-	42,000/-
3	इलेक्ट्रॉनिक सामग्री	265072/-	8,000/-
4	स्मार्ट क्लॉस रूम	589820/-	18,000/-
5	फर्नीचर	1608094/-	50,000/-
6	पुरतर्के/आटोमेशन साफ्टवेयर	230000/-	7000/-

निविदा की शर्तें निम्नानुसार हैं :-

- (1) निविदा प्रपत्र महाविद्यालय के कार्यालय से 100 रु. नगद देकर प्राप्त करें अथवा महाविद्यालय के वेबसाइट से डाऊनलोड कर 100 रु. का डी.डी. निविदा के साथ प्रेषित करें।
- (2) निविदा मुहर बंद लिफाफा में भेजे।
- (3) निविदा लिफाफे के ऊपर निविदा की गई सामग्री का नाम लिखा होना अनिवार्य है।
- (4) प्रत्येक निविदा के साथ अनुमानित क्रय मूल्य का 03 प्रतिशत सुरक्षा निधि (धरोहर राशि) प्राचार्य, शासकीय महाविद्यालय नारायणपुर (छ.ग.) के नाम से बैंक ड्राफ्ट के रूप दिया जाए अन्यथा निविदा पर विचार नहीं किया जायेगा।
- (5) निविदा सामग्री की सूची एवं अन्य जानकारी इस महाविद्यालय के वेबसाइट www.gdcnarayanpur.com में अवलोकन की जा सकती है।
- (6) वे ही फर्म निविदा भेजे जो मानक सामग्री की पूर्ति कर सकते हैं।
- (7) F.O.R नारायणपुर होगा।
- (8) वाणिज्यकर का GST पंजीयन जीवित होने का प्रमाण-पत्र प्रस्तुत करना होगा।
- (9) क्रय की गई सामग्री की सुरक्षित डिलवरी की जिम्मेदारी संबंधित फर्म की होगी।
- (10) मानक के अनुसार सामग्री न होने से पर निविदा अस्वीकृत की जायेगी।
- (11) निविदा निरस्त करने का सर्वाधिकार, प्राचार्य के पास रहेगा।
- (12) निविदा खोलने की तिथि - 08.07.2019

स्थान - प्राचार्य कक्ष
समय - दोपहर 04:00 बजे

(डॉ.श्रीमती एस.एम. तिमोथी)
प्राचार्य
शासकीय स्वामी आत्मानंद स्नातकोत्तर
महाविद्यालय नारायणपुर (छ.ग.)

Govt. Swami Atmanand P G College Narayanpur, C. G.			
1. Lab Equipment, Amount = Rs 1903342 /-			
Equipment of Chemistry (1a), Botany (1b), Zoology (1c), Geography (1d) and Physics (1e)			
1a. Equipment of Chemistry, Amount = Rs 502900 /-			
S. No.	Equipment	Specification	Qty.
1	Electronic weight Balance	Capacity 200gm, Model No. BL3002 (Praveen Scientific Corporation/other)	1
2	Vacuum Pump	Oil free portable vacuum pumps (Diaphragm Type) Cum Pressure Pumpct (Praveen Scientific Corporation/other)	1
3	Magnetic Stirrer	S. S Top housing, variable stirring speed up to 1200 R.P.M Hot Plate Temp. Controlled by energy regulator (Praveen Scientific Corporation/other)	2
4	Heating Mantle	Multi Size, made from fibber glass yarn and mounted in aluminium housing, 50 - 500 ml capacity of flask, 200 watts (Praveen Scientific Corporation/other)	2
5	Hot Plate	Round Surface, Maximum surface temperature 350 °C, 1 KW, Surface Dia 20 CM, with energy regulator (Praveen Scientific Corporation/other)	2
6	Centrifuge	Medico/ Clinico centrifuge, Suitable for compound separation having speed 3500 R P M (Praveen Scientific Corporation/other)	4
7	Oil Bath	Laboratory oil bath, Double walled, Inner chamber made of stainless steel, Temperature Range: 50° – 300 °C, Temperature Control by energy regulator, Capacity 2 Ltr. (Praveen Scientific Corporation/other)	1
8	Melting Point Apparatus	Aluminium heating block, to accommodate 3 capillary tubes and one thermometer. Max. Temp. up to 350°C complete with energy regulator, On/off switch, magnifying glass and built in lamp but without capillary and thermometer. (Praveen Scientific Corporation/other)	4
9	U. V. Cabinet	Ultra-Violet inspection Cabinet, for viewing TLC Plates under UV light, cabinet with dual wave length range to view short wave 254 nm and long wave 365 nm complete with visible light source (Praveen Scientific Corporation/other)	1
10	PH Meter	PH- Meter- digital (PSC), Digital Ph/Mv. Meter with auto Temperature Compensation Ph: 0 – 14, Mv: 0 to +1999 mv, Accuracy: +0.01 ph+ 1 Digit, Auto Temperature Compensation, with Ph Electrode (Praveen Scientific Corporation/other)	2
11	Flask Shakers	Griffin Flask Shakers wrist action, Heavy C. I. body with 2 side arm and with suitable flask holding clamps, variable speed control, 4 flasks up to 500 ml capacity flask accommodation (Praveen Scientific Corporation/other)	2
12	Ultra Sonicator	Ultra Sonicator Bath, Digital tuning of transducers to avoid and any frequency shifting. Compact rugged and	1

		highly durable system. Efficiency of 90 % permit maximum cleaning action low power consumption, 50 % of the weight on size of consensual machine. Extensively productive electronic circuit input range 170v ac - 220v ac, 8 x 4 x4 inch Size inner chamber, 2 Ltr. Capacity (Praveen Scientific Corporation/other)	
13	Conductivity Meter	TDS/ Digital Conductivity Meters, working temp. 5–50°C, Power: 4 kw, Weight 50 gm (Indiamart / other)	4
14	Flame Photometer	Electronics India 381 Digital Flame photometer, Ignition System: Auto ignition, Nebulize: Black B (Indiamart/ other)	1
15	UV-Vis Spectro photometer	Range 190-1100 nm, basic/quantitative wavelength scan/DNA Protein Test/Kinetic, automatic peak picking spectrum display. Large screen with graphic display. Spectrum and data can be printed out by printer and sent to computer via USB PORT. Set of 4 quartz and 4 glass cuvettes is provided. Software Included (Imported with German Lamps). Model No. 526 (Indiamart/other)	1
16	Gas pipeline with Burner	Burner: Bunsen type, Pipe: Steel, Size of pipe 0.5 inch (Bharat Gas Agency/other)	40

1b. Equipment of Botany Amount = Rs 447820 /-

1	Auxanometer	The offered auxanometers comprise a light weight metal pointer, which is counter balanced by mass hanger and masses and is provided with a large and easily readable scale. (Ahuja scientific works/Indiamart/others)	1
2	Autolave Protoble	Model No. DLE 1071, 275 X 255 (Hight X Dia), Capacity 10 Ltr. (Deep Lab Enterprises/others)	1
3	Calorimeter	Multi-Calorimeter MCM-2, Display: LCD, Programmable or equivalent, Wavelength Range: 400-750nm, (climatic technologies Pvt Ltd/ others)	1
4	Compound Microscope	Magnification X100-X600, Eye Pieces 5X & 10X & 15X, Objectives X10 & 40 S/L (Achromatic) (Micron-Optik/ Olympus)	10
5	Electrophoresis	For agarose DNA GEL Electrophoresis, Submarine tank with comb slots, power supply 50/100v, acrylic comb-pre height adjusted, connecting cord (H. L. Scientific Industries)	1
6	Ganong's Potometer	Good quality glass tubing, with Wooden Base (Vishal Scientific & Surgical Udyog)	1
7	Ganong's Respiroscope	Good Quality glass with steel stand (SLISCO BRAND/ others)	1
8	Heating Mantle	Multi Size, made from fibber glass yarn and mounted in aluminium housing, 50 - 250 ml capacity of flask, 200 watts (Praveen Scientific Corporation/other)	1
9	Hot air oven	General purpose Oven- Temp Range: 5 to 250 °C, Thermostat, Internal Dimensions: 35 x35 x 35, 2 chamber shelves, 1.25 KW (Praveen Scientific Corporation/ others)	1

10	Incubator	Bacteriological Incubators (Natural Convection) outer door fitted with magnetic gasket & lock, Full length inner glass door,. Temperature range: 5 to 60°C, Thermostat, Inner chamber: M.S./LUM/S.S shelves Supplied with galvanized wire mesh	1
11	Laminar air flow	Working dimensions 1200 X 0600 MM, Model No CLAF 420, good quality air flow system (Clean Air System/others)	1
12	Light Microscopes	Portable, USB Port (5V DC), Snapshot Format, 20X to 200X magnification ratio (Metropolitan Scientific Company/ Olympus)	4
13	Dissecting Microscope	Portable, Lab use only, Round base, Magnification 40x, standard steel, BN01 (Metropolitan Scientific Company/ Olympus)	1
14	Monocular Microscope	Portable, 50 HZ Flicker control video format, Snapshot, Magnification 100X -1500X, Eye pieces: Huygens 10x & 15x (Metzer Optical Instruments Pvt. Ltd./ others)	1
15	Rotary Microtomes	Portable, 460 x 500 x 300 dimension, semi-automatic (R. S. scientific works india/others)	1
16	Projection Microscope	Resolution 1000X (M/s Ikon Industries)	1
17	R O Machine	Semi-automatic, 1 filtration passes, use for water purification (Geeta Enterprises/others)	2
18	Specimen: Cycas, Pinus, Ephedra male, Female Cone	Bio visual Models & chart (Supertek/others)	5
19	Thermometer	Mercury Filled, Length 12'', 0 to 50 °C capacity (Praveen Scientific Corporation/ others)	10
20	Video Scope	Endoscopic Boroscope Video Inspection Camera, High Grade material, good quality magnification (Orwind Incorporation/others)	1
21	Water Bath	Temp up to 95 °C, 35 x 25 x10 cm bath size, 06 hole, 1000 W (Praveen Scientific Corporation/ others)	1
22	Family Related Chart: Cruciate, Malvaceae, Asclepiadea, Rutaceae, Ranvnculaceae , Solanaceae	Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall size 75 x 100 cm (Supertek/others)	9
23	Gymnosperm ovule chart & Pinus chart	Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall size 75 x 100 cm (Supertek/others)	2
24	Male & Female development Cycus& Pinus chart	Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall size 75 x 100 cm (Supertek/others)	4

25	Alegae, fungi, bryophyta, pteridophyta, erlatted, chart (Alagae-Oodogonium, Volvox, Polysiphonio) Fungi-phytophthora	Bio visual Models & chart (Supertek/others)	7
26	Electronic wave machine	Portable, small & for lab use only (Supertek/others)	2
1c. Equipment of Zoology Amount = Rs 350000 /-			
1	Blood Cell Counter	Avi-66V (-9 Unit) Clay Adams Type (Differential Sai Pharma/others)	1
2	Centrifuge machine	Medico/ Clinico centrifuge, Suitable for compound separation having speed 2500 R P M (Praveen Scientific Corporation/other	5
3	Practical Materials	Digital type material use full for Zoology experiment.	1
4	Compund Microscope	Magnification X100-X600, Eye Pieces 5X & 10X Objectives X10 & 40 S/L (Achromatic) (Micron-Optik)	10
5	Film slide Projector	LED Display type, Display Port, ALCON, 24 Volt, 150 watt (Exhibitor Instruments/others)	1
6	Incubator	Bacteriological Incubators (Natural Convection) outer door fitted with magnetic gasket & lock, Full length inner glass door,. Temperature range: 5 to 60°C, Thermostat, Inner chamber: M.S./LUM/S.S shelves Supplied with galvanized wire mesh	1
7	PH Meter	PH- Meter- digital (PSC), 3 ½ Digital indication Ph/Mv. Meter with auto Temperature Compensation Ph: 0 – 14, Mv: 0 to +1999 mv, Accuracy: +0.1% ph+ 1 Digit, Temperature 0-100 °C Compensation, with Ph Electrode (Praveen Scientific Corporation/other)	4
8	Skeleton of Frog	Made by PVC (Universe Surgical Equipment Co./others)	1
9	Skeleton of Human	Made by PVC (Universe Surgical Equipment Co./others)	1
10	Skeleton of Pigeon (Bird)	Pigeons skeleton using real, prepared bones, which are rigidly connected with each other for stability. It is particularly suitable for studying the special features of the bird skeleton. Rigidly mounted on a base plate. (3d scientific/others)	1
11	Skeleton of Varanus	Made by PVC (Universe Surgical Equipment Co.)	1
12	Sphygmomano meter	Mercury Free Sphygmomanometer using premium quality raw materials and latest technology. Stringent quality testing is done on various stages starting from procurement of raw materials till the final delivery. Measuring Range: 0 to 300 mm Hg, Pulse 30 to 200 / min, Operation Environment: +10 to 40 °C.	1

13	Fishes Specimen –	Terpido, Trigon, Scoliodon, Sting ray, Pristes, Catlacatla, Anabass, Channagachua, Chuchia, ClariusBatricus, Labeoeterohiea, use full for Lab only, preserved wet specimen, glass jar	20
14	Reptiles Specimen –	Varanus, Najanaja, Chemelion, Phrynosoma, Turtle, Chelon, Viper, Pit viper use full for Lab only, preserved wet specimen, glass jar	40
15	Amphibian Specimen –	Tood, Bufo, Hyla, Rana, Alytes, Axocetus larva use full for Lab only, preserved wet specimen, glass jar	20
16	3 D chart – Blood circulation	Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1
17	3 D chart – Digestiv system	Digestiy system of Fish, frog, varanus, rabbit (4 items) Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
18	3 D chart – ear	scoliodon, varanus , rabbit, pigeon (4 items), Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall	1 each
19	3 D chart – testes	rabbit, varanus, pigeon frog, scoliodon (4 items), Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
20	3 D chart – Ovary	rabbit, varanus, pigeon frog, scoliodon (4 items), Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
21	3 D chart – Scales	placoid, ganoid, ctinoid, cycloid cosmoid (4 items), Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
22	3 D chart – lymphphotic system	Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
23	3 D chart – kidney	scoliodon, varanus, rabbit (3 items), Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
24	3 D chart – Biotic & sbiotic component	Biotic & sbiotic component (2 items), Charts made on PVC rexine, hand drawn waterproof, multicolours with black background, each chart provided with rollers to hang on wall (Supertek/others)	1 each
1d. Equipment of Geography Amount = Rs 302622 /-			
1	Dumpy level	Dumpy level :- 30cm (12") Internal focussing in a well padded wooden box with aluminium stand as per isi SL 005 (Bharat Educational Stores/ Chetak Enterprises/others)	10
2	G.P.S system	G.P.S system model 76 :- OREGAON 650 With camera 240 x 400 Pixel colour TFT 2AA battery 16 hrs High Speed USB 209. 8 gm 850 MB Built in Mem 2000 (Bharat Educational Stores/ Chetak	1

		Enterprises/others)	
3	Geographical	Geographical terms 5 nr 100 125/112 cm (Bharat Educational Stores/ Chetak Enterprises/others)	5
4	Geotechnical map of India	Geotechnical map of India 183/174 cm (Bharat Educational Stores/ Chetak Enterprises/others)	5
5	Globe	Globe TsransparrentCelestial Imported ZL 001 Showing the location of various stars QH- 3408-2, 30 cm dia (Bharat Educational Stores/ Chetak Enterprises/others)	2
6	Globe	Globe Lumere 3 in 1 globe light off and on 30 cm dia (Bharat Educational Stores/ Chetak Enterprises/others)	2
7	Globe Longitude & Latitude	Globe Longitude &Latitude Imported ZL 002 Show the direction oof earth rotation the earth axis the two poles. QH 3405- 30cm dia (Bharat Educational Stores/ Chetak Enterprises/others)	2
8	India Map	India map 3/4 Size (Bharat Educational Stores/ Chetak Enterprises/others)	5
9	Model of the sun	Model of the sun Imported QH 3497 32 cm dia (Bharat Educational Stores/ Chetak Enterprises/others)	2
10	Model of the Phase of Moon	Model of the Phas4e of Moon Imported QH 3407-1 38x20x24x cm (Bharat Educational Stores/ Chetak Enterprises/others)	2
11	Measuring tape	Measuring tape 30 metermetallic (Bharat Educational Stores/ Chetak Enterprises/others)	20
12	North America Map	North America 3/4 Size (Bharat Educational Stores/ Chetak Enterprises/others)	5
13	Ocean features model	Ocean features modle 2 oc 90 c 125/95 cm (Bharat Educational Stores/ Chetak Enterprises/others)	4
14	Prismatic binocular	Prismatic binocular Imported 20/50 (Bharat Educational Stores/ Chetak Enterprises/others)	2
15	South America Map	South America Map 3/4 Size (Bharat Educational Stores/ Chetak Enterprises/others)	5
16	Tophosheet	Tophosheet cloth mountend C.G.& M.P. 65 Series (Bharat Educational Stores/ Chetak Enterprises/others)	20
17	Stencil Set	U.N.O. type Stencil Set 6H, English (Bharat Educational Stores/ Chetak Enterprises/others)	5

1e. Equipment of Physics Amount = Rs 300000/-

1	Hall Effect Experiment Setup	<p>Hall Effect Apparatus:- SK006 INDOSOW Coils: 400 turns. Coil Current: 4.5Amp (Max.) Connection: 4mm safety socket. U Core: 150x130mm (Lx H), 40x40mm cross section. Core: Length150mm, 40x40mm cross section. Core material: Ferromagnetic. Base dimension: 360x180x33mm Weight: 8.8kg (Approx.)</p> <p>Current source:- Current: 0-20 mA DC Resolution:10 micro ampere Power:220V \pm 10%, 50 Hz AC Display: 3½ digit LED Weight: 3 Kg approx</p> <p>Power Supply:- Voltage: 0-16 Volt DC continuously variable & stabilized Ripple: Less than 25mV Overload protection: Current limiting Current: 5 Amp.</p>	1
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		<p>continuously variable from 10% to full rating Display: Two separate displays(3 digit LED) are provided to monitor the output voltage and load current continuously Working voltage: 230V AC, 50 Hz single phase.</p> <p>Digital Gaussmeter:-Range: 200 G & 2 kG Resolution: 1G at 0 - 200G Offset: By potentiometer to set ZERO Input Voltage: 220 V, $\pm 5\%$, 50 Hz AC Axial Hall probe: InAs</p> <p>GE Crystal:- crystal: Ge Wafer, P type Crystal Size: 6x7 x 0.5mm (LxWxThickness) Resistivity: 1~ 10 ohm-cm Orientation: <100> Offset pot: Trim pot Connection: 4mm safety socket</p> <p>Digital Multimeter Resistance: 200W, 2000W, 20k, 200k & 2000k W. D.C.Voltage: 200 & 2000 mV : 20, 200 & 600 V A.C.Voltage: 200 & 600 V D.C.Current: 200 & 2000 mA : 20 & 200 mA : 10 A Testing: Diode & transistor Battery: 9V Flexible Plug leads 50cm, Black, Flexible Plug leads 100cm, Black, Flexible Plug leads 50cm, Red, Flexible Plug leads 100cm, Red, Flexible Plug leads 50cm, Yellow.</p>	
2	Planck's Constant Exp. Setup	<p>Planck's Constant Apparatus: SN627 INDOSOW Photocell: Cs, vacuum tube. Output: 4mm safety socket. Mounting rod: 10mm dia. Set of Colour Filters Red: 635 nm Orange: 570 nm Yellow: 540 nm Green: 500 nm Blue: 460 nm</p>	1
3	Advanced Polarimeter Setup	<p>Advanced Polarimeter SK011 INDOSOW Compact Quartz Polarimeter:-Measuring range of optical rotation : +/- 180 Division Value: 1° Least count: 0.05° Magnifying factor of the magnifying glass : 4 times Monochromatic light source : 5893A° Power line voltage: 220V, 50 Hz Working current: 1.3A Discharging power: 20W Stabilization time: 5 minutes (approx)</p> <p>Polarimeter Tube With Central Bulb 200mm (Length) 100mm (Length)) With central bulb, metallic caps & cover glasses packed in a velvet case.</p>	1
4	Diode Laser Diffraction Setup	<p>Diode Laser Diffraction SK079 INDOSOW Optical Bench:-Material: Aluminium alloy, Type: Hexagonal sec., Scale: 0-100cm, Least count: 1mm Diode Laser:-Peak Wavelength: 635nm Operating voltage: 5V DC Operating current: 250mA Optical power: > 0.4-0.8mW Laser product: Class II Operating temp.: 0 - 40°C Storage temp.: -10 to 50°C Pinhole Photodetector:-Detector: Silicon photocell Terminals: 4mm safety socket, Aperture: 1mm Rod: 10mm dia.,</p>	1

		<p>Digital Multimeter:- Resistance: 200W, 2000W, 20k, 200k & 2000k W. D.C.Voltage: 200 & 2000 mV 20, 200 & 600 V A.C.Voltage: 200 & 600 V D.C.Current: 200 & 2000 mA, 20 & 200 mA: 10 A Testing: Diode & transistor Battery: 9V</p> <p>Transverse saddle:-Material: Aluminium Locking: Spring loaded Motion: X-Y axis Holder: 10mm dia.</p> <p>Diffraction Slide Sets:- Frame Size: 50mm x 50mm Slit: Width=0.06mm & Separation=0.20mm (Single, Double, Three, Four, Five, & Six) Coarse Grating-1: 4 lines/mm, line/space ratio 3:1 Coarse Grating-2: 4 lines/mm, line/space ratio 6:1 Coarse Grating-3: 8 lines/mm, line/space ratio 3:1 Diffraction grating: 80 lines/mm Diffraction grating: 300 lines/mm Single slit: Tapered, Double slit: Tapered, Metal gauze: 300 mesh, Circular apertures: 1.0, 0.60, 1.40, 0.30 mm nominal dia., Hologram: 50x50mm transmission type , Polaroids: 50x50mm linearly polarized, All individually mounted in slide frames and protected by two glass plates.</p> <p>Saddle with Micrometer:-Material: Aluminium Transverse Motion: 10-0-10mm,Least count: 0.02mm, Locking: Spring loaded Motion: X-Y axis, Holder: 10mm dia.</p> <p>Slit Holder:-Clear Aperture: 45x45mm, Object holder: Clip type,Mounting Rod: 10mm diameter</p> <p>Single wire:- Frame size: 50mm x 50mm Clear aperture: 15 mm dia. (approx.) Wire thickness: 0.5mm (approx.)</p> <p>Cross wire:-Frame size: 50mm x 50mm Clear aperture: 15 mm dia. (approx.) Wire thickness: 0.5mm (approx.)</p>	
5	Advanced Spectrometer Setup	<p>Advanced Spectrometer SK024 INDOSOWSodium Light Source:-Starting Voltage: 470 Volts Input Voltage: 220V, 50Hz, Lamp House: 300x85mm (L x dia.) Aperture dia.: 25mm</p> <p>Scope of Supply : Complete with housing for sodium vapor lamp, transformer, Base, Mounting rod, Bosshead and Sodium Bulb.</p> <p>Prism:-Siize: 38x38x38mm , Height: 38mm, Material: EDF,</p> <p>Diffraction Grating:- Size: 38x50mm , Line/Inch: 15T.</p> <p>Micrometer Slit:- Pitch: 0.5mm , Least Count: 0.005mm, Range: 0 - 6.5mm, Diameter: 38mm</p>	1
6	Four Probe Method Setup	<p>Four Probe Method SK012 INDOSOWVoltmeter Display: 3½ digit, 7segment LED, auto polarity & decimal indication.Voltage Range: X1 (0-200.0mV DC) & X10 (0-2.00 V DC), 4mm socket Current Display: 3½ digit, 7segment LED Current</p>	1

		Range: 0-20mA DC, 4mm socket Oven Supply: 45V AC (Switch position LOW), 60V AC (Switch position HIGH) Oven Connector: 5 Pin, DIN type Input Voltage: 220V, 50Hz AC Fuse: 1A, 250 V OVEN:- Heating Element: 35 ohm, 75 Watt Oven Supply: 45V/60V AC , Oven Connector: 5 Pin, DIN type , Ambient Temperature: 175° C , Fuse: 2A , Four probe: Spring type ,Probe Spacing: 25mm Crystal: Ge Wafer, P type, Crystal Size: 12 x14 x 0.5mm (LxWxThickness), Resistivity: 1~ 10 ohm-cm Orientation: <100> , Connection: 4mm safety socket Thermometer:- Type: Mercury, Temperature Range: 0-200° C ,Least Count: 1° C, Length: 300mm	
7	Sodium Lamp with Transform	35watt	1
8	Truth Table of a 2-input OR-Gate	Digital I.C. Tester / Logic trainer with power supply unit, indicator and logic input, IC – 7432, Braid board	1
9	Co-efficient of viscosity by oscillation disc method	Complete set(Make omega india/Insif)	1
10	Truth Table of exclusive-NOR-Gate	Digital I.C. Tester / Logic trainer with power supply unit, indicator and logic input, IC –	1
11	J-EET Characteristics KIT	& IC – 7404, Braid board (Make: Omega India/Insif)	1
12	Keter's Pendulum Setup	100cms long x 12mm dia, with wall bracket Bross rod chromium plated, stainless steel (Make: Omega India/Insif)	1
13	Thermal conductivity of rubber tube apparatus.	round bar stand- A tall tripod form.	1
14	Oscilloscope	(Make: Omega India/Insif) 5MHZ single beam band with 10 Hz to 5 MHz vertical sensitivity 10 mv/div to 20 v/div horizontal attenuator 50 mv/div to 20 V/div time base sweep synchronized CRT 130 mm.	2
2. I. C. T material, Amount = Rs 1403586/-			
1	Computer	OS Window 7 /10 Dual Core(i5/i7) Pro 2.4/3.2 GB HDD RAM 4GB HDD 1 TB 5400 Rpm Monitor 19"/23" LCD Wireless Mouse	28
2	Photocopier	Toshiba Item (RC DGSD) Code DPM 60016 Digital MCC A-3 RAM/MB/HDD Bye Pass 25/25A3/A3/128	1
3	Printer	Samsung 1610ML	2
4	Podium:	-With built in audio system.	1

	Model R 2015	-In built amplifier, speaker, tweeter Woofers. -flexible gooseneck MIC and lamp. -black finish wooden top and steel Body, bottom Amplifier 60 w lamp one -col speaker 60 w with 1 tweeter. -mic length 47 cm Power 60 w Power supply 230 v Power consumption 100 w Freq. response 100 Hz.-16000HZ Dimension 580 L 420 w 1100 H MM	
5	Public Address System	(a) Wall speaker Fre. 50/60 Hz Weight 2.5 kg. (b) Sound system SSA 250 M Av Wired Mic Beta 58 S (c) PA Mic phone wireless .	4
3. Electronic Materials, Amount = Rs 265072 /-			
1	Water Cooler with purifier	Voltas/ Hi - Tech Storage Cap. 40 Lt. Taps 2 auto shift off with Water Purifier Kent Max or	4
2	Air Conditioner with Installation	Voltas 185JY, 1.5 TON, 5 Star, Split AC, Weight 13.5, Ac 230 V, 50Hz	3
4. Smart Class Room With installation, Rs Amount = 589820 /-			
1	Interactive Board	-Finger touch/pen touch -Surface- Ceramic steel with erasable marker wipe Clean. -OS Windows XP.7.8.10 Linux -Import MS Files. -Shortcut keys: 17 hot keys on both sides for quick – access. -Accessories: 3 dummy pen, 1 stylus, Board softwareCD, USB cable. -Core i3 PC (1 TB HDD,4 GB RAM,USB -Keyboard & USB Mouse. WARRANTY 1 YR.	3
2	Multimedia Speaker	25 w + 25 w	3
3	White Board 6 x 4 wide	6 x4 wide	3
4	Computer (PC)	Core i3 PC (1 TB HDD, 4 GB RAM USB Key board & Mouse WARRANTY 1 YR.	3

5	Inbuilt Document Camera	- Finger touch on-off -5 megapixel camera - auto/manual focus -auto scan - split screen split in 2 - e book scanning and convert images into PDF	3
6	Wall Mount Kit		3
7	Projector	-Lumens 3000 (Short throw Projector. Warranty 1year & 90 On Lamp	3
8	UPS	1 kv with cabinet and Installation	3
9	Green Board	8' x 4'Chalk writing with melamine Sheet & EPS as core material Weather Proof, Termite proof, Light weight, life long warp free Fading flat surface (kendriya bhandar rate)	8
5. Furniture, Amount = Rs 1608094 /-			
1	Student Table and Chair (set)	GEM HSN code 94036000: Student Table 950 x 350 x 600 mm and student chair 850 x 400 x 600 mm with ISI MDF Top:	320
2	Computer Table	Size 1.5' w x 2.5' without wheel or 1.5' w x 59.5' L (wall side)	28
3	Lab Table	6 x 2.5' lab table with stools	10
4	Stool	H31 x W15 x D15; Seating Height: 16 (all dimensions are in inches)	25
5	Rack	Number of Shelves 6, Height up to 9 fit	20
6	New Paper Stand	Double Sided RC Kendriya Band HSN Code 9403.10.90	4
7	Magazine Stand	HSN Code 9403.10.90	4
8	Acrylic Covered Notice Board	HSN Code 8301.50.00	2
9	Godrej Book Case	Equalizing mechanism for double-free opening and closing. 10 lever cam lock	10
6. Books, Journals & Software, Amount = Rs 230000 /-			
1	Books	1. Text Books - [B.A.,B.Sc.,B.Com.,M.A.(Economics,Geography,PoliticalScience,Sociology, HindiLiterature), M.Sc.(Chemistry,Zoology,Mathematics), M.Com.,DCA,PGDCA] 2. Reference Books - [B.A., B.Sc., B.Com., M.A. (Economics, Geography,PoliticalScience,Sociology, Hindi Literature), M.Sc. (Chemistry, Zoology,Mathematics), M.Com.,DCA, PGDCA]	1100

		<p>3. Competitive Books - [Bank,SSC,Railway,CG VYAPAM,CGPSC,UGC-NET,UPSC etc]</p> <p>4. Novel - Hindi/English, Motivational Books</p> <p>5. Foreign Publication Books</p> <p>6. Legal Documents</p> <p>7. e-Books etc.</p>	
2	Library Software	Soul	1