



GOVT. GIRLS POLYTECHNIC

Byron Bazar, Raipur-492 001, C.G.

शासकीय कन्या पॉलीटेक्निक

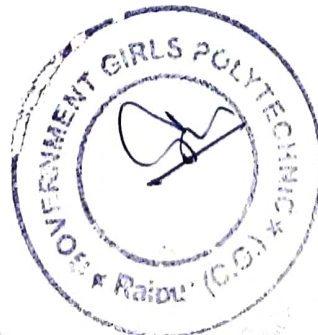
बैरन बाजार, रायपुर- 492 001, छ.ग.

Web Site : <http://gprairpur.ac.in> e-Mail : principal.gprairpur@gmail.com Phone : 0771-2423045

TENDER NOTICE – 02/EQUIP/ 2021-22

**“OPEN TENDER FORM FOR SUPPLY OF
LABORATORY MACHINES AND EQUIPMENT”**

Total no of pages: 45





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TENDER NOTICE – 02/EQUIP/2021-22

NOTICE INVITING OPEN TENDER FOR THE SUPPLY OF LABORATORY MACHINES AND EQUIPMENT

NO- GGPR/Store /TENDER/MACHINES & EQUIP./2021-22/ 1194 , RAIPUR Dated: 30-10-2021

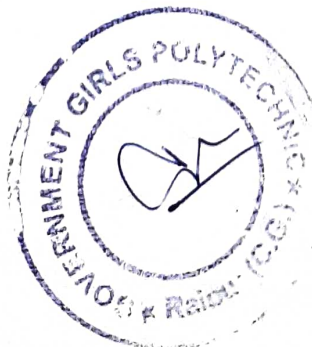
Government Girls Polytechnic, Raipur invites open tenders of amount Rs.54.10 lakhs approx. (in words: Rupees fifty-four lakh ten thousand approx.) from OEMs/ Manufacturer/ Authorized Distributor/ Dealer/ Supplier/ Seller/ Reseller of **LABORATORY MACHINES AND EQUIPMENT FOR VARIOUS DEPARTMENTS (ET&T, Architecture & IDD, MOM, CDDM, Pharmacy, Language Lab.)** of the institute. Tender document can be obtained from the Institute's account office during the office working hours only, except public holiday, on payment by cash or by Demand Draft of Rs.1,500/- (Rupees One Thousand five hundred Only) in favour of, **The Principal, Government Girls Polytechnic, Byron-Bazar, Raipur, payable at Raipur.**

Tender document can also be downloaded from website www.ggpraipur.ac.in or cgdteraipur.cgstate.gov.in if, downloaded from the website the tenderer /bidder has to submit the Demand-Draft (DD) tender fee amounting Rs. 1,500/- (Rupees One Thousand five hundred Only), in favour of, The Principal, Government Girls Polytechnic, Byron-Bazar, Raipur, payable at Raipur, with the submission of the Tender-Bid. Else, otherwise, the bid is liable to be cancelled. The above said tender fee is non-refundable.

Important Dates and Timings:

Tender form price	Rs 1,500/- (Rupees One Thousand five hundred Only)
Date for sale of tender document	Date : 02.11.2021 from 11:00 AM
Last date for Sale of Tender Document	Date : 02.12.2021 up to 12:00 PM
Last date for Submission of Sealed Tender	Date : 02.12.2021 up to 02:00 PM
Date of opening the Tenders received	Date : 02.12.2021 at 03:00 PM
Venue of opening the Tenders	Principal's Office, Government Girls Polytechnic, Byron bazaar, Raipur

Note:- Tender for laboratory machines and equipment are grouped according to the various departments of the institute. Tenderer / bidder may apply for one or many groups of departments as per choice.



Principal
Govt. Girls Polytechnic, Raipur

TENDER DOCUMENT

1. **TENDER NO.** : NO- GGPR/Store /TENDER/MACHINES & EQUIP./ 2021-22/ 1194 Raipur, Date 30-10-2021
2. **COST OF THE TENDER FORM** : Rs. 1,500/- by Cash or DD, Non-refundable
3. **SALE OF TENDER DOCUMENT** : Starts on 02.11.2021 from 11:00 AM to 02.12.2021 up to 12.00 PM
4. **DATE OF SUBMISSION** : On or before 02.12.2021 /02:00 PM
5. **DATE OF TENDER / BID OPENING: On 02.12.2021 / 03:00 PM**
Note: In case, if the last date is declared to be a Gazetted / Closed Govt. holiday, the date of submission and opening shall be immediate next working day.

6. The tender shall be opened at 3.00 PM of the last day of submission i.e 02.12.2021 at Principal's Office, Government Girls Polytechnic, Raipur. The Tenderer/Bidder Authorized Representatives of the Tenderer/ Bidder may be present.

7. Tender shall remain valid for a period of one year.

8. **Scope of supply-** Supply of items as stated in ANNEXURE- III

9. **Essential Qualifications of the Tenderer/ Bidder-**

i. The Tenderer/ bidder must have valid PAN/ TAN, GSTIN.

ii. Latest GST Clearance Certificate.

iii. Tenderer / Bidder must be OEMs/ Manufacturer/ Authorized Distributor/ Dealer/ Supplier/ Seller/ Reseller (Tick Appropriate) submit the relevant Certificate / Authority letter(s).

Or else Tenderer/ Bidder of the tender will be treated as cancelled.

10. Tenderer/ Bidder must submit- the Main Envelope -4 which must contain Envelope-1- EMD, Envelope-2- Technical bid, and Envelope-3 - Price/ Commercial bid.

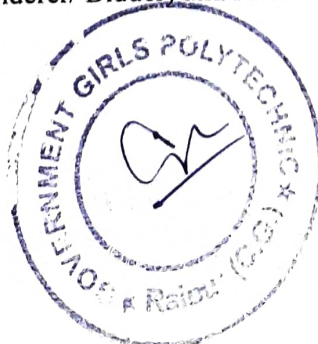
11. **Preparation of Envelopes: -**

ENVELOPE -1

EMD - A Demand Draft of minimum Rs. 5000 or 3% of the total bidding amount (Refer point 12) quoted by the Tenderer/ bidder in price bid whichever is more must be submitted, in favour of The Principal, Government Girls Polytechnic, Byron-Bazar, Raipur-492001, payable at Raipur.

ENVELOPE -2

All the relevant documents duly self-attested with seal by the Tenderer/ bidder regarding the essential qualification of the Tenderer/ bidder should be kept as per ANNEXURE-I (Essential qualification of the Tenderer/ Bidder) and ANNEXURE-II



S. no.	Essential documents to be submitted as per Annexure I
1.	Tenderer / Bidder is OEMs/ Manufacturer/ Authorized Distributor/ Dealer/ Supplier/ Seller/ Reseller (Tick Appropriate) submit the relevant Certificate / Authority letter(s).
2.	Year of starting of the firm with registration Number & Date. (Attach relevant document)
3.	PAN (Attach copy)
4.	GSTIN Registration (Attach copy)
5.	GST clearance certificate latest. (Attach copy)
6.	Income tax return for the last three financial years (Attach copy)
7.	Annual turnover for last three years (balance sheet) (Attach copy)

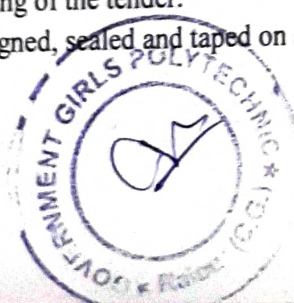
ENVELOPE -3

It should contain the quoted price on the prescribed format ANNEXURE-III (Price Bid). Inside Envelope-3, the price bid of various chosen groups must be kept in separate envelopes super scribed with group name. The quoted price should be inclusive of all the taxes, duties and any other levies/charges with all the discounts and/or any offers.

ENVELOPE -4

All the envelopes marked as ENVELOPE -1, ENVELOPE -2, ENVELOPE -3 must be kept in ENVELOPE- 4

- a. Offer will be accepted in sealed envelopes with (Envelope -4) cover super scribed as "Tender for laboratory machines and equipment in Govt. Girls Polytechnic Raipur (C.G.)" The Main envelope should contain three inner envelopes containing Envelope-1- EMD, Envelope- 2 -Technical bid and Envelope- 3- price bid in the prescribed forms super scribed as "Tender for laboratory machines and equipment in Govt. Girls Polytechnic Raipur (C.G.) Earnest Money Deposit (EMD)", "Tender for laboratory machines and equipment in Govt. Girls Polytechnic Raipur (C.G.) Technical Bid" and "Tender for laboratory machines and equipment in Govt. Girls Polytechnic Raipur (C.G.) – Price Bid" respectively.
- b. Sequence of opening the Envelopes:
 - i. Envelope-1 EMD
 - ii. Envelope-2 (Technical-Bid) will be considered for opening after receiving the valid EMD.
 - iii. After the satisfactory evaluation of Technical-Bid, Envelope -3 (Price-Bid) will be considered for opening.
 - iv. The date for opening of Price/ Commercial Bid (Envelope -3) will be declared on the date of the opening of the tender.
- c. All the Envelopes should be signed, sealed and taped on all joints.



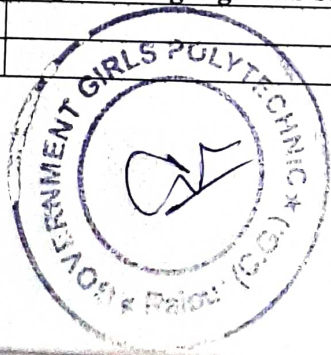
- d. Tender submitted by fax or e-mail shall not be accepted.
- e. All the pages of the tender-document including ANNEXURE-I, ANNEXURE-II & ANNEXURE-III, shall be duly signed by the Tenderer/ bidder.
- f. Quoted Price should be written legibly in words & Figures. If any difference is observed the rates given in words shall be taken as final.
- g. The Tenderer/ bidder is expected to carefully examine all instructions, forms, terms and specifications in the tender document.
- h. The bid must be in line with specifications and conditions required in the tender. It should be valid for one year from the date of opening of bids.
- i. Overwriting should be avoided. Overwriting, erasures and other changes should bear the dated initials of the person signing the tender.
- j. Failure to furnish complete information, required as per the tender document or submission of bid not substantial, will be rejected.
- k. This tender form is non-transferable.
- l. Deduction of taxes/ levies at the source would be made by this office as and when required as per Government rules.
- m. Item no. and page no. of the tender form should be strictly in chronological order.
- n. Make, name of the manufacturer with complete address must be mentioned against each item and equipment.
- o. Relevant brochures and real image / photographs of the equipment/ laboratory machinery for authentication of the desired material must be enclosed.
- p. The tender should clearly indicate whether the equipment is complete in itself, if in the opinion of the tenderer/ bidder certain accessories are necessary with the type of the equipment tendered, the tenderer/ bidder must quote for aforesaid accessories separately under the heading Extra but Essential.

12. Earnest Money Deposit (EMD)

Requisite EMD in the form of Demand Draft of minimum Rs. 5000 or 3% of the total bidding amount quoted by the Tenderer/ bidder in price bid whichever is more must be submitted, in favour of The Principal, Government Girls Polytechnic, Byron-Bazar, Raipur-492001, payable at Raipur. **The tenderer / bidder can choose and quote prices for any one or many groups from the list below:-**

Group	Machines and equipment of laboratories.	Abbreviation	Amount in lakhs (approx.)
Group A	Electronics and Telecommunication Lab.	Et&T	25.00
Group B	Architecture & Interior Decoration and Design Lab.	Arch.& IDD	21.25
Group C	Modern Office Management lab.	MOM	0.85
Group D	Costume Design and Dress Making Lab.	CDDM	2.00
Group E	Pharmacy Lab.	Pharmacy	1.00
Group F	Digital Language Lab software	Language Lab.	4.00
		Total	54.10

In words: Rupees Fifty-four lakh ten thousand Approx.



EMD of the unsuccessful tenderer / bidder will be refunded without interest to the tenderer / bidder in due course of time. The EMD will be treated as security deposit in case of selected tenders.

The EMD shall be forfeited if, the tenderer / bidder amends, impairs or derogates from the tender in any respect within the validity period of their tender / bid.

13. Payment Terms

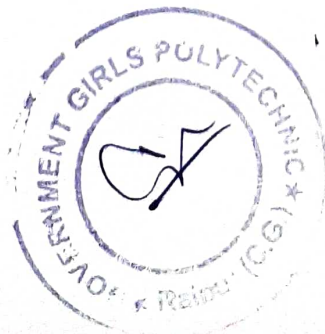
- a. 100% payment will be released after the successful Delivery, installation and demonstration of the laboratory machines / equipment at institute as per the delivery schedule in the purchase order.
- b. No advance payments shall be made.
- c. There is no provision for partial payments against any supply of the items.
- d. No payment shall be made for the damaged or rejected items.

14. Delivery

- a. After receiving of the purchase order (PO), the delivery of items must be made as per schedule mentioned in the purchase order.
- b. Supply shall be given, at Government Girls Polytechnic, Raipur on FOR basis.

15. Other Terms & Conditions

- a. A prospective Tenderer/ Bidder requiring any clarification regarding the tender document may notify this office in writing at the address indicated at the cover of the tender document. The office would respond in writing to any request for clarification of the tender document provided that it is received not later than seven days prior to the last date prescribed for submission of tenders. However, the office shall not be responsible for any delays.
- b. The Supplier is not allowed to transfer, assign or sublet the order in full or any part thereof directly or indirectly.
- c. The tenderer / bidder should quote their rates strictly adhering to terms and conditions stipulated in the tender document. Unsolicited correspondence after opening of the tender shall not be entertained. Conditional / deviational tenders may be rejected without making any reference to the Tenderers / Bidders.
- d. No Tenderers / Bidders will be allowed to withdraw his tender during the validity period, or else, the undersigned reserves the right to forfeit the EMD / Security deposit.
- e. In case of any default in execution of the order the undersigned reserves the right to forfeit the EMD / Security deposit.
- f. The undersigned also reserves the right to cancel the order and forfeit the EMD/ Security deposit in case the tenderer /bidder fails to adhere strictly to all terms and condition of the order / tender.



- g. If supplier expresses his inability to execute the order for the items or rate or makes / brand mentioned in the tender within validity period, the undersigned also reserves the right to forfeit the EMD/ Security deposit.
- h. The warranty period for the equipment supplied by the supplier will have to be mentioned clearly which should not be less than one year from the date of installation. The tenderer /bidder will be responsible for repair / replacement of defective parts T/C of as per warranty.
- i. Canvassing in any form for acceptance of the tender bid is liable to be disqualified.
- j. Selected Tenderer/ bidder must demonstrate the working and functioning of the item/ appliances before the authorized committee appointed by this office. The purchase order will be placed only after satisfactory review/ report of the item / appliances by the said committee.
- k. The training for handling the laboratory machines / equipment shall be provided by the supplier at his own cost. The tenderer/ bidder must give demonstration of the equipment / software at the Institute.
- l. This office will not pay any amount for transit and insurance of the material.
- m. Exact and earliest possible time of delivery should be indicated in the tender against each item. The delivery period given in the order will be the date of receipt of the equipment in the institute and not the date of dispatch of the equipment by the supplier.
- n. The one-time extension in the delivery period may be granted at the discretion of the undersigned.
- o. If the successful tenderer/ bidder, on receipt of the order, fails to execute the order within the stipulated period, in full or part, it will be open to the Govt. Girls Polytechnic, Raipur to recover liquidated damage from the firm at the rate of 2% of the value of undelivered goods per month or part thereof, subjected to a maximum of 5% of the value of undelivered goods.
- p. No claim shall be entertained in respect of interest on Earnest Money / Security deposit.
- q. The Principal reserves the right to accept the lowest or any tender and also of rejecting in full or part thereof without assigning any reasons for the same or to split up the tender as he may deemed to be fit.
- r. The Principal reserves the right to cancel the tender in full or part thereof, if needed.
- s. In the event of any dispute arising out of the bid, the decision of The Principal, Govt. Girls Polytechnic, Raipur shall be final.
- t. In case of any dispute, it is subjected to the jurisdiction of district of Raipur, Chhattisgarh.

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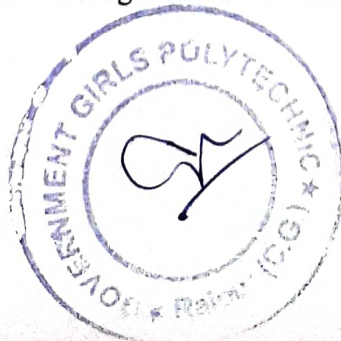


LETTER OF SUBMISSION OF TENDER FROM BY THE TENDERER/ BIDDER
(To be printed on tenderer/ bidder's letterhead)

“Supply of Laboratory machines and Equipment at Government Girls Polytechnic, Raipur”

1. Name and Address of the Firm :-----
2. Postal Address for Correspondence :-----

3. Telephone No (Land-Line) :-----
Mobile No. of Authorised person :-----
Valid Email id :-----
4. Payment Details of Tender form cost
DD No / Cash Receipt No.:-----
Name of DD issuing bank :----- Date-----
Amount :----- (in words)-----
Payable at :Raipur (C.G.)
5. Earnest Money Deposit (EMD) details.
DD No :-----
Name of DD issuing bank :----- Date :-----
Amount :----- (in words)-----
Payable at :Raipur (C.G.)
6. Whether Tenderer / Bidder is (Tick Appropriate)
OEMs/ Manufacturer/ Authorized Distributor/ Dealer/ Supplier/ Seller/ Reseller
Please, attach the Certificate / Authority letter(s)
7. Year of starting of the firm with registration Number & Date. (attach relevant document)
8. PAN/TAN (Attach copy)



9. GSTIN Registration (Attach copy)
10. GST clearance certificate latest. (Attach copy)
11. Income tax return for the last three financial years (Attach copy)
12. Annual turnover for last three years (balance sheet) (Attach copy)
13. All the documents attached must be duly self-attested by the tenderer/ bidder.

Signature of the Authorized Signatory

Date: _____
Place: _____

Full Name _____

Company Seal

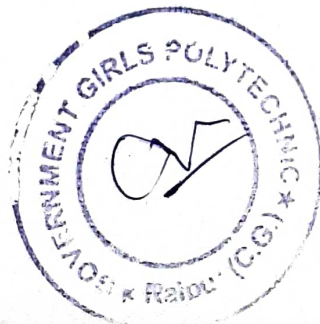
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(To be printed on Tenderer/ bidder's letterhead)

DECLARATIONS BY THE TENDERER / BIDDER

1. I, ----- Son /Daughter of Shri-----
----- Proprietor/ Partner/ CEO /MD/ Director/
Authorized Signatory of M/s. ----- am competent
to sign this declaration and execute this tender.
2. I have carefully read and understood all the terms and conditions mentioned in the tender document and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
4. I/we am/ are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
5. Each page of the tender document and papers submitted by my Company is authenticated, and I take full responsibility for the entire documents submitted.
6. I/We agree to pay all government (central and state of CG) Taxes such as GST, service tax etc. and other taxes prevailing from time to time and the rates quoted by me/us are inclusive of the same.
7. The rates quoted by me / us are firm and shall not be changed due to variations on account of fluctuation in the market rates, taxes or any other levies, whatsoever.
8. If this tender is accepted, I / we hereby agree to execute the purchase order in full and abide, fulfil all the terms, conditions and provisions of the tender.



9. I/We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/Govt. Department/Public Sector Undertaking in the last three years.

10. Names of the persons authorized to be present at the time of opening of the tender

i -----

ii -----

Signature of the Authorized Signatory

Date: -----

Full Name -----

Place: -----

Company Seal

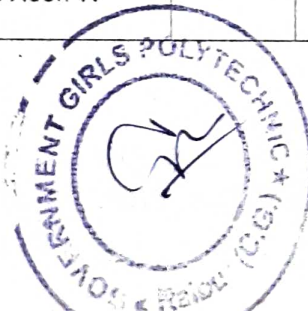
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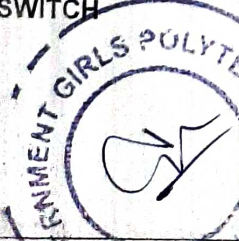


Group – A
Department – Electronics & Tele-Communication Engg.

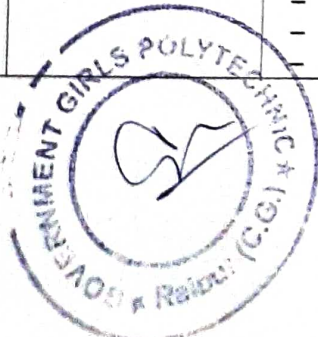
PRICE-BID

स. क.	मशीन उपकरण का नाम	स्पेशिफिकेशन	मात्रा	दर (जीएसटी सहित)	राशि	रिमार्क
1	DESKTOP COMPUTER (All in One)	<p>PROCESSOR Intel® Core™ i5-1135G7 Processor, 11th Generation (8-MB Cache, up to 4.2 GHz).</p> <p>MEMORY 8-GB / DDR4 / 2666-MHz / (8-GBx1) Upgradable upto Min. 32-GB</p> <p>STORAGE 1-TB / 7200 RPM / 3.5" SATA Hard Drive or better option DVD-ROM, DVD+/-RW Super-Multi and Slot-Load, Blu-ray Writer</p> <p>MONITOR Appx. 23-inch FHD (1920 x 1080) Anti-Glare Narrow Border AIT Infinity Active Touch Screen Display</p> <p>GRAPHICS Intel® Iris® Xe Graphics with shared graphics memory or better</p> <p>CONNECTIVITY Wi-Fi 802.11 Bluetooth 5.1 or higher.</p> <p>PORTS 1 X VGA Min. 1 X HDMI Min. 2 X USB 3.0 or Higher Min. 2 X USB 2.0, 1 X RJ 45</p> <p>KEYBOARD / MOUSE Wireless Keyboard- Mouse</p> <p>CAMERA Full HD IR Web Camera</p> <p>OPERATING SYSTEM Windows 10 Pro 64 bit, English (Latest Version)</p> <p>ANTIVIRUS - Bundled Antivirus / Malware with 3 years Subscription</p> <p>SYSTEM WARRANTY & SUPPORT - 3 years onsite OEM warranty.</p>	06-Nos.			
2	COMPUTER WORKSTATION	<p>PROCESSOR - Intel Xeon W-2195 Processor / 2.3 GHz / 18-Cores - Up to 4.3 GHz with Intel Turbo Boost Technology - Cache - 24.75 MB</p> <p>CHIPSET Intel C422 Chipset (Intel Xeon W Processors)</p>	03-Nos.			

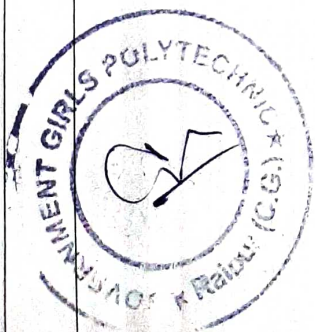


		<p>MEMORY (RAM)</p> <ul style="list-style-type: none"> - 32-GB (8 GB x 3) DDR4-2666 MT/s, ECC Registered DIMMs - Supported up to 512-GB DDR4 DIMMs - Memory configurations using 32-GB DIMMs with the Memory Cooling Solution. <p>STORAGE</p> <ul style="list-style-type: none"> - 2.5" SATA SSD 1-TB drives and 300-GB 15K SAS SFF Hard Drive (with Controller add-in card) - DVD-ROM, DVD+/-RW Super-Multi and Slot-Load, Blu-ray Writer - Min 02 - Internal 3.5-inch bays <p>DISPLAY</p> <ul style="list-style-type: none"> - 23.8" Anti-Glare LED Monitor Screen - Res. - 1920 X 1080 <p>GRAPHICS</p> <ul style="list-style-type: none"> - NVIDIA Quadro P400, 2-GB V-RAM (GDDR5) Graphics - (Based on GP107 Graphics Processor, The card must support DirectX 12.0) <p>INTERFACE & SOCKETS</p> <ul style="list-style-type: none"> - PCI Express Gen3x16 - PCI Express Gen3x16 mechanical/x8 electrical - PCI Express Gen3x8 mechanical/x4 electrical; - 1 Legacy PCI Slot - Min. 02-Min DIN Ports for Keyboard & Mouse - Min. 02- USB (2.0) & Min. 04-USB (3.0 or Higher) - HDMI – Display Port, VGA Port - Min 02- NIC - 10/100/1000 Gbps RJ-45 Socket - Audio Port (Mic./Spk./Aux.) <p>OPERATING SYSTEM</p> <ul style="list-style-type: none"> - Windows 10 Pro 64 bit, English (Latest Version) - Red Hat Enterprise Linux Desktop / Workstation* (Preinstalled OS and 3-Years paper licens) <p>ANTI-VIRUS Bundled with 3-Years Subscription Warranty</p> <p>SYSTEM (Hardware) WARRANTY 3-Years On-Site Warranty</p>				
3	<p>NETWORK SWITCH</p> 	<ul style="list-style-type: none"> - Fully Managed L2 Switch - 24-10/100 slots , 2-10/100/1000 slots, 2-GbE SFP slots - Switching capacity - 56 Gbps - Power - AC 120/230 V (50/60 Hz) - 02 x Gigabit SFP - 02 x Combo Gigabit SFP Gigabit or Fast Ethernet ports 	02-Nos.			

	<p>capabilities with PoE+ and 10-GbE Uplinks</p> <ul style="list-style-type: none"> - IEEE 802.3 Ethernet MIB Repeater MIB Ethernet interface MIB - serial RS-232C or micro USB / 802.3 Ethernet MIB Repeater MIB Ethernet interface MIB - DHCP-Protection, Dynamic ARP-Protection, and Dynamic IP-Lockdown, - Enhance security / Flexible traffic controls including ACLs and QoS - Power - AC 120/230 V (50/60 Hz) 				
<p>4 4K - ULTRA HD SMART LED TV</p>	<p>PICTURE-PANEL /SCREEN</p> <ul style="list-style-type: none"> - Around 65" View-Panel Size - Resolution - Ultra HD 3840 x 2160 <ul style="list-style-type: none"> • Appx. 16.7 m Cont. Ratio • Appx. 5000:1 Brightness: 700 cd m • Appx. Response Time: 5 ms - Display Type - 4K UHD - Viewing Angle - Wide Viewing Angle Appx. 170° (Angle & H/V) - IPS Panel <p>PICTURE QUALITY / PROCESSING</p> <ul style="list-style-type: none"> - Picture Processor - Quad Core Processor 4K - Refresh Rate - 50 Hz - HDR - 4K Active HDR / HDR 10 Pro / HDR Dynamic Tone Mapping / HLG - Color Enhancer / True Color Accuracy / Active Noise Reduction - Advance - Resolution Upscaler - 4K Upscaler - Supported Image Type - PSD, TIFF, GIF, PNG, RAW, JPEG etc. <p>AI-FEATURES</p> <ul style="list-style-type: none"> - AI Enabled TV / AI Functions / Intelligent Edit - Google Assistant, Amazon Alexa - Enabled - Apple - Apple Airplay 2, Apple HomeKit - Intelligent Voice Recognition - Home Dashboard <p>SMART TV FEATURES</p> <ul style="list-style-type: none"> - Operating System - Android based WebOS - Remote Control - Full Web Browser - Direct Keys (Apps) - Netflix, Prime Video - Cloud Photo & Video <p>AUDIO</p> <ul style="list-style-type: none"> - Speaker System - 2.0-Channel Speaker - Audio Output (rms) - 20 W - AI Acoustic Tuning - Clear Voice / Surround Sound - 	<p>02-Nos.</p>			



		<p>DTS Virtual-X</p> <ul style="list-style-type: none"> - Bluetooth Audio Playback -2 way Playback - Supported Audio Format - mp3_audio, wma - Media Format - AVI, Blu-ray, DVD, MPEG, WAV, WMA <p>CONNECTIVITY</p> <ul style="list-style-type: none"> - Built-in Wi-Fi - Bluetooth - V 5.0 or higher / Simplink (HDMI CEC) - Share & Control Capable / Mobile Connectivity <p>INPUTS & OUTPUTS</p> <ul style="list-style-type: none"> - 01-DVI, 01-PC/VGA - Min. 02-HDMI Input Version 2.0 or better - Min. 02-USB Ports - 01- RF Input / 01-AV / 01-Media Player - LAN Connectivity - Optical Digital Audio Out <p>POWER</p> <ul style="list-style-type: none"> - Power Supply (Voltage, Hz) - AC 110~240V / 50-60 Hz - Power Consumption Standby Mode - Appx. 0.5 W <p>ESSENTIAL ACCESSORIES</p> <ul style="list-style-type: none"> - Remote Control Module - Power source with AA or AAA 1.5V, 2 Alkaline-Batteries - Operating Manual - HDMI Cable, - Wall Mount & Table Mount Fixtures - Warranty - 3-Years Comprehensive Warranty 			
5	VIDEO CAMERA (Professional Grade)	<p>Video Capture Resolution Min</p> <p>. 480p</p> <p>Maximum Focal Length 110</p> <p>-mm (Standard)</p> <p>Maximum Focal Length 18-</p> <p>mm (Standard)</p> <p>Lens 18 -</p> <p>110 mm f/4 G OSS Lens (Zoom Type) - E PZ With Lens Hood</p> <p>Full aperture must opens At</p> <p>1.9 and also remains same during Tele</p> <p>/ Wide shooting</p> <p>Optical Sensor Technology Su</p> <p>per 35-Sized APS-CMOS Power</p> <p>Zoom for 4K-Movies</p> <p>Flash Memory Type SD</p> <p>Interface / Connectivity US</p>	02-Nos.		



B
HDD / SSD with USB 3.0. High-Resolution and Proxy clips can be extracted to USB storage at high speed.

(For On-site backup)

- Recording Built-in support for a wide variety of production formats :-
 - High quality XAVC Intra and XAVC Long GOP recordings
 - Broadcast-standard MPEG HD422 and MPEG HD
 - DVCAM at 25 Mbps in MXF file format
- Integrated Electronic Variable ND Filter
- DCI 4K (4096 x 2160) up to 59.94p
- UHD up to 59.94 fps,
- Frame Rate HD up to 180 fps, XAVC-I/L, MPEG-2, XAVC up to 600 Mb/s
- Supports Rec. 709 and BT-2020 with Dual XQD Memory Card Slots
- 1 x 4K XDCAM Super 35 Camcorder Kit with as per above specifications (18-110mm Zoom Lens)
- 0.5-inch high quality OLED viewfinder (Display Min. 320 X 240)

AUDIO

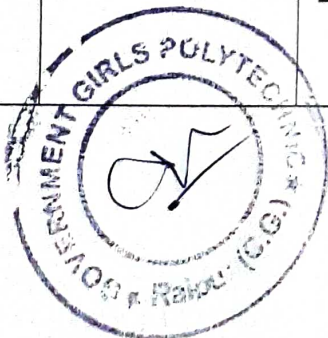
- Professional Audio Capabilities With independent volume dials enabling Precision Control of external audio inputs,

ESSENTIAL BUNDLED WITH

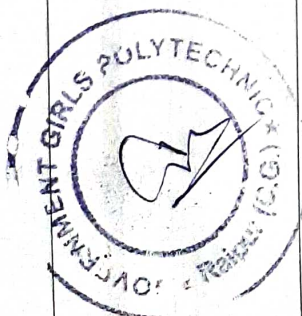
- 120-GB G Series XQD Memory Card
- 1 x High Quality Dust Cleaner Blower
- 1 x SD Card USB Reader
- 1 x Memory Card Wallet
- 1 x Deluxe Cleaning Kit
- 1 x Microfiber Cloth
- Original Lithium-Ion Battery with Battery Charger (Min. 2-Hour Battery Back-up)
- 2 x Power Cord
- 1 x 3-Piece LCD Screen Protector Kit

ADDITIONAL ACCESSORIES

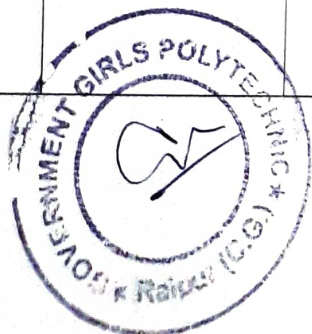
- Tripod Stand
 - Load Capacity - Appx. 5 KG
 - Max Height - Appx. 60 Inches
 - Min Height - Appx. 126 Inches
 - Folded Length - Appx. 30 Inches
 - Leg Sections - 3 Legs
- Shoulder mount
- Body Cap,
- Viewfinder with Lens Hood, Eyepiece
- Front Lens Cap & Rear Lens Cap
- Grip Remote Control



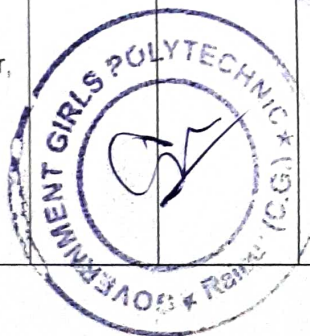
		Wireless Adaptor Bracket Lens Case				
6	SOUNDBAR With POWERED SUB- WOOFER (Professional Grade)	<ul style="list-style-type: none"> - Wall Mountable / Remote Controlled 2.1 Channel Sound-Bar - Powered Wireless Sub-Woofer - Bluetooth Connectivity 5.0 or Latest - For Wireless Audio Streaming - Master Digital Amplifier with Pro Front Surround Sound - Dolby Digital / Dolby Dual Mono / LPCM 2-Channel Optical Input - TV Sync.(Connectivity) Wireless (Bluetooth) / HDMI-Cable (ARC) / USB - Wireless Powered Sub-Woofer - Various Standard Sound Output Modes - Total Output must be around Appx. 300-Watt <p>ACCESSORIES</p> <ul style="list-style-type: none"> - Operating Remote-Control with Batteries - Optical & HDMI Cable (AV) - Setup Guide and Instructional Manual - Min. 1-Year Warranty 	03-Nos.			
7	MULTI CHANNEL AUDIO MIXER (Professional Grade)	<ul style="list-style-type: none"> - Analog Audio Mixing - Min. 02-Stereo & 01-Mono (Mic.) Input Channel - / 02-EQ Band and Min 02-Bus - 01-Master Fader (60 mm) - 01-¼" Input Socket for Headphone Jack - 02-Nos. Stereo Channel with 'Dual' ¼" Input - CD / Tape I/O Connectivity with Min. 02-Nos.RCA Connections - 02-Nos. ¼" Output from Mixers - Connectivity to Output systems - Setup Guide and Instructional Sheet / Manual - Min. 1-Year Warranty 	03-Nos.			
8	WIRELESS SECURITY CAMERA	<ul style="list-style-type: none"> - Ceiling / Wall-Mount Wireless Camera - Outdoor / Weathe-Proof / Full HD 1080p / Bullet Camera - Night vision (Appx. 30 Mtr.) / HumanDetection (H265) - Ethernet (RJ-45) / Wi-Fi (Appx. 2.4 GHz.) Base IP-Based / Wi-Fi Hotspot - Video / Audio Recording on SD-Card - (Compatible with Alexa Google Assistant) - Max. 256-GB SD Card storage supported / NVR Cloud - Setup Guide and Instructional Sheet / Manual - Min. 1-Year Warranty 	05-Nos.			



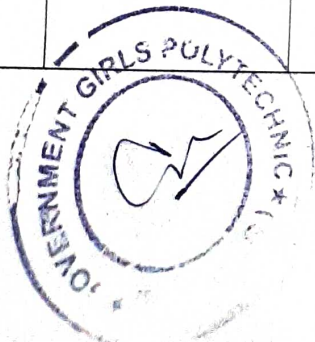
	MICROSOFT LifeCam HD 3000 WEB-CAMERA	<ul style="list-style-type: none"> - Microsoft Soft - Web Camera - Video Capturing – 4.0 MP / 720p / Image Capturing Speed – 30fps - Zoom Optical – 10X and Digital – 4X - Automatic Exposure Control - Video / Audio – Integrated Crystal Microphone Omni-directional / Built in Noise Reduction - Image : 1289 X 800 pixel for Still / 1280 X 720 pixel for Motion Image Frame Rate : 30 fps True-Color / Auto Image Adjustment 24-Bit Color Depth / Wide-Screen Aspect Ratio 16:9 Fixed Focus : Appx. 03. Mtr. – 1.5 Mtr. - Setup Guide and Instructional Sheet / Manual 	02-Nos.			
10	STUDIO MICROPHONE WITH ALL FIXTURES & ATTACHMENT	<ul style="list-style-type: none"> Professional Grade Studio Microphone - Dynamic Cardioid Polar Pattern - Flat Frequency Response for Wide Frequency Response ~ 40 - 20000 Hz - Dynamic Range ~ 112 dB Range - Current Consumption ~ Appx. 5-mA - Battery Life ~ Around 100 Hours appx. - For Vocal / Instrumental, Motion Picture / TV Recording / Radio Announcement & Production etc. - Audio – Integrated Condenser Microphone Omni-directional / Built in Noise Reduction FIXTURES & ACCESSORIES - Metal Shock Mount <ul style="list-style-type: none"> • Large 19-mm Diaphragm • Heavy Gauge Mesh Grill - - Ball-Type Anti-wind Foam Cap./ Mic. Pop Filter - Connectivity (Cable) : 3.5 mm XLR and / or USB - Setup Guide and Instructional Sheet / Manual 	03-Nos.			
11	Portable Light- Weight Aluminium Tripod for DSLR, Camera	<ul style="list-style-type: none"> Tripod. With its stable camera support opens up all sorts of possibilities in terms of low-light shooting, long exposures, panning shots, panoramas and more. - PROFESSIONAL: Capture vivid, professional-style photographs Lightweight Tripod and camera accessory for both, novice and 	03-Nos.			



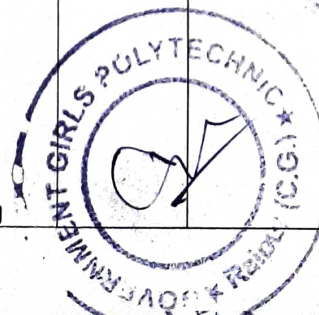
		<p>professional photographers alike,</p> <ul style="list-style-type: none"> - Handy tripod accommodates a wide range of digital, video and still cameras and comes loaded with user-friendly features. - HIGHLY COMPATIBILITY: Compatible with most video cameras, digital cameras, still cameras, GoPro devices, Smartphone adapters and scopes. - THREE SECTIONS FOR HEIGHT ADJUSTMENT Legs are "multi-section" that can adjust the spread of the legs to allow the tripod to be used at different heights or in awkward areas where one leg or more legs cannot be at the same angle as the others. - With locking facility in legs 			
12	Portable Lightweight Aluminium Tripod for DSLR, Camera	<ul style="list-style-type: none"> - HIGHLY COMPATIBILITY: Compatible with most video cameras, digital cameras, still cameras, GoPro devices, Smartphone adapters and scopes - Operating Height : Appx.5.5 Feet - Load Capacity :Appx. 5kg 	06-Nos.		
13	PAL HDMI / RCA Composite to NTSC HDMI 50/60 Hz Multi-System Video Converter - Up to 1080p	<ul style="list-style-type: none"> - Convert PAL/NTSC RCA Composite (Red, White, Yellow) or HDMI 50/60 Hz to HDMI 50/60Hz Converter - Automatically convert signals from PAL or NTSC analog to up to 1080p HDMI 50Hz or 60 Hz - Input connections: HDMI, RCA Composite & Output connections: HDMI, 3.5mm Audio, Digital Audio - Perfect Conversion - Converts Any PAL (50hz) Signal to NTSC HDMI (60hz) 1080p, Converts any NTSC (60hz) to PAL HDMI (50hz) - Supports Analog PAL, NTSC3.58, NTSC4.43, SECAM, PAL/M and PAL/N input formats and HDMI 480i/576i/480P/576P/720P/1080i/1080p at 50 or 60Hz - Includes 100-240 50/60 Hz auto switching power supply for use anywhere in the world, Lifetime Support & 12-Month Manufacturer's Warranty 	05-Nos		
14	Conference Table Connectivity and Data Box HDMI VGA RJ45 USB 3.5 mm Audio Power Hidden Multimedia Desktop Socket	<ul style="list-style-type: none"> - Material : high quality zinc alloy finishing panel, strong carton with foam cushion and waterproof film - Panel Size : 266*130*7mm - Box Size : 280*170*100mm - Socket or cables : 2-universal power, 2-network, 1-vga,1-hdmi,1-ubs,1-audio, with 30cm connected cables - with the cable, internal direct interpolation, without cumbersome welding procedures, time saving, convenient and quick 	12-Nos		



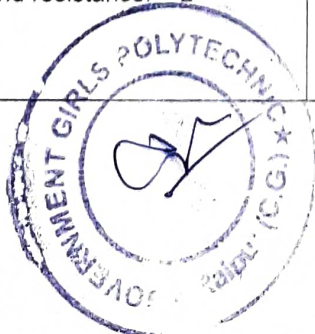
	<ul style="list-style-type: none"> - Kinds of multi-media interfaces, it can be hidden into the table so that the messy cable on the table can be put together centrally - The cold rolled steel panel, silent designing, press the button then it will open. Close the cover when you do not use it, dustproof. Noble, elegant and durable <p>Office, meeting room, multi-media classroom</p>				
<p>15 HDMI to HDMI Audio Optical SPDIF + RCA L/R Extractor Converter Audio Splitter Media Streaming Device</p>	<ul style="list-style-type: none"> • One HDMI Input to one HDMI Output(Pass Mode), SPDIF (Optical) digital audio output(2CH/5.1CH Mode), and analog RCA L / R audio output(2CH Mode) • SPDIF and L/R audio support output separately to amplifier without connecting TV/Monitor; Input resolution up to 1080p (50/60Hz), 1.3 HDMI, 3D • Supports 24 bit /deep color 30bit, 36bit per channel (36bit all channel) deep color; Supports HDCP, Video EDID Pass Through, Audio EDID Settings: Pass, 2CH and 5.1CH. Does not support ARC. • HDMI resolution : 1080P/1080i/720p/576p/576i/480p/480i • Operating Humidity range 5 to 90%RH (No Condensation) <p>Features :</p> <ol style="list-style-type: none"> 1. Easy to install 2. High quality and compatibility in Product Category 3. Supports Apple TV and various Blu-ray player 4. One HDMI input converted to one HDMI+ Audio (SPDIF+R/L)output 5. Output audio support : SPDIF+R/L analog Audio Output. 6. SPDIF output : support 5.1CH audio including Dolby Digital 5.1CH and DTS 5.1CH(it does NOT support Dolby Digital Plus and PCM 5.1CH and beyond) 7. Input Resolution : up to 1080P(50/60Hz)/720P/480P 8. LED indication 9. Power supply : DC 5V/1AM <p>Specifications :</p> <ol style="list-style-type: none"> 1. HDMI resolution: 1080P/1080i/720p/576p/576i/480p/480i 2. Support video color format: 24bit/deep color 30bit,36bit 3. Audio output: L/R+SPDIF 4. Max bandwidth 225MHz 5. Max baud rate 6.75Gbps 	<p>06-Nos</p>			



		<p>6. Input/Output TMDS signal 0.5~1.5Volts p-p(TTL)</p> <p>7. Input/Output DDC signal 5Volts p-p (TTL)</p> <p>8. Input cable distance. & le; 15m AWG26 HDMI standard cable</p> <p>9. Output cable distance ≤ 20m AWG26 HDMI standard cable</p> <p>10. Max working current: 500mA</p> <p>11. Power adapter format Input: AC (50HZ, 60HZ) 100V-240V; Output : DC5V/1A</p> <p>12. Operating Temperature range (-15 to +55jæ)</p> <p>13. Operating Humidity range 5 to 90%RH (No Condensation)</p> <p>14. Dimension: 84X61.8X20mm (L x W x H)</p> <p>Operating and Connecting :</p> <p>1. To use one HDMI cable to connect the HD Source with the input HDMI port.</p> <p>2. To connect the converter HDMI output port with the HD Display</p> <p>3. To use one audio cable to connect the converter R/L port with the audio equipment.</p> <p>4. To use the optical cable to connect the SPDIF port with the audio equipment.</p> <p>5. To connect the converter with 5V DC power adaptor</p> <p>Package includes: 1 x HDMI Converter 1 x DC 5V Power Adaptor</p>			
16	Battery Operated 3.6-Volt Multipurpose Screwdriver	<ul style="list-style-type: none"> - Capacity, min./max.: 6.35 / 6.35 mm - Perfect for driving in tight spaces and hard-to-reach areas - Optional angle screw and torque setting adaptor: For even more applications. Magnetic bit holder - Used for repairing tasks, mounting photo frame or paintings, lifestyle and gifting - Insert or remove screws with the forward and reverse function of the tool. You can also use the tool for drilling up to 2 mm to create pilot holes for screws. - Package Contents: 11 bits, 1 adaptor, 1 drill bit(2mm) lithium ion rechargeable battery-docking station base charger 	04-Nos.		
17	Temp. Control Soldering Station	<p>SOLDERING STATION</p> <ul style="list-style-type: none"> -micro controller controlled and adjustable temperature -LED display - Voltage ~ 220-240V AC. - Power Consumption 60W - Frequency: 50 Hz. <p>SOLDERING IRON with Soldering</p>	03-Nos.		






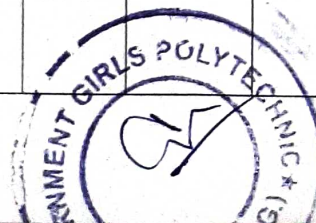
		<p>Stand</p> <ul style="list-style-type: none"> - Voltage: 24V AC. - Power: 60W Heat up rating 130W. - Temperature: 50-480°C. - Heating Element: Ceramic heater. 				
18	Soldering & De-soldering Station	<p>Accurate and advanced temperature, control with micro controller technology soldering and de-soldering LCD display panel</p> <p>Soldering</p> <ul style="list-style-type: none"> - Power consumption : approx 60 W - Input voltage : 170 to 270 V - Output Voltage : 24VAC - Temperature range : 180 to 480 °C - Temp stability : ± 10°C - Temp accuracy : ± 1°C of tolerance at idling time - Tip to ground potential : Under 2mv - Tip to ground resistance : Under 20hms <p>De-soldering</p> <p>Power approx 70 Watts Input : 170 to 270 V AC Output Voltage : 24VAC Temperature range : 180 to 480°C Pump : Diaphragm type Vacuum : 600 mm/H, High, Quality 24V DC Pump with approx 4000 RPM</p> <p>SMD Hot Air</p> <p>Input Voltage : 220VAC Power Consumption : approx 300 Watts Air Pump : Diaphragm Type Capacity : 24 L/min Hot Air temperature : 200 to 550 Temp Accuracy : ± 1°C</p> <p>Accessories</p> <p>Control Unit –o1 with with LCD Display Soldering Iron 1 No De-Soldering Iron 1 No Combined Soldering & De-Soldering Stand -1No. SMD Hot Air Iron 1No SMT Hot Tweezer Handle -1No. SMD Hot Air Stand 1 Hot Tweezer Stand 1No Power Cord-1No 01.</p> <p>Tool Box Primary Filter 15 No secondary Filters 5 Nos Silicon Washer Set -1 Set Glass Tube 1 No Nozzle Cleaning Spring 1 No Single hole Nozzle 1No.</p>	03-Nos.			
19	Hi-Power Soldering Station with Solder Feeder	<p>Voltage 170-230V Max. power output approx 150W Temperature range 50°C-550°C Approx 150 Watt 24V Pencil Tip-to-ground resistance: < 2 LHT-F tip</p> <p>Features</p>	03-Nos.			






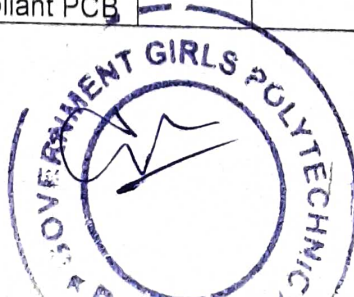
- Digitized pushbuttons for precise temperature control
- Solder Feed Length, Speed and Time Programming Switches
- Digital display for Temperature
- Soldering Pencil Stand
- 150 Watt Soldering Pencil
- Finger Switch for Feeding desired length of Solder Wire at SET speed
- Solder Wire Feeding Assembly

SUNDRIES & ACCESSORIES

20	HDMI TO RCA (AV) VIDEO CONVERTER	<p>Supports- NTSC and PAL Standard TV formats output</p>  <p>Full HD 720 / 1080p UP Scaler Adapter Must Support NTSC and PAL Standard TV formats output Full HD 720 / 1080p UP-Scaler Adapter En-capsuled in Handy Portable Box Appx. Size 6.0 x 5.5 x 2.0 cm..</p> <p>Compatible for Devices - PC, Laptops, Computers, HDTV, STB Box, DVD, Speakers etc</p> <p>Full HD 720 /1080p UP Scaler Adapter</p>	06- Nos.			
21	RCA (AV) to HDMI Converter	<p>Full HD 720 /1080p UP Scaler Adapter</p>  <p>Encapsuled in Handy Portable Box Appx. Size 4.0 x 6.5 x 6.5 cm.</p>	06- Nos.			
22	HDMI to DVI Cable	<p>Supports Resolutions for - 800x600, 1024x768, 1280x1024, 1600x1200, 1920x1200 and 1080p for high resolution LCD and LED monitors</p>  <p>Special Features- HDTV to DVI, HDMI to DVI converter, HDMI to DVI, DVI to HDMI Cable - 6 feet</p> <p>Compatible Devices- TV, Monitor, PC</p>	06- Nos.			
23	DVI - VGA CONVERTOR cum DVI - VGA ADAPTER	<p>DVI to VGA M/F Adapter Video Resolution Support For - 800x600, 1024x768, 1280x1024, 1600x1200, and 1920x1080</p>	06- Nos.			



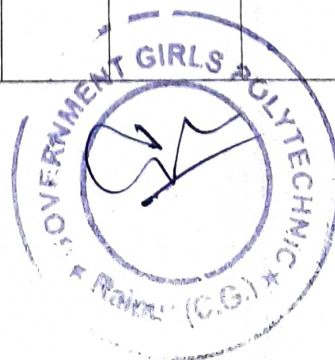
		 <p>(Audio is not supported over DVI or VGA) Data Transfer Rate - 1080 Mega Samples per Second Product Dimensions - 23 x 0.6 x 0.6 cm</p>			
24	HDMI TO VGA Adapter	<p>Supports Resolutions – 1080p FULL HD-up to 1920x1080, including 720p and 1600x1200 for HD monitors or projectors</p>  <p>Compatible With More Devices :-</p> <ul style="list-style-type: none"> - Apple TV, Smart TV Box and other devices with HDMI interface - PC, Laptop, Ultrabook, Chromebook, Macbook - Rasberry Pi, Streaming media player 	06-Nos.		
25	USB-C to HDMI Adapter	<p>HDMI (4K@60Hz) VGA (1080P@60Hz) Converter Supports Resolutions – 1080p FULL HD-up to 1920x1080, including 720p and 1600x1200 for HD monitors or projectors</p>  <p>Dual Monitors Setup – USBC to HDMI +VGA adapter to extend or mirror screen of :-</p> <ul style="list-style-type: none"> - Laptop / MacBook Pro, MacBook Air, iMac, iPad Pro / H P EliteBook / Thinkpad Folio / Yoga / ChromBook - PC / Tablet to Projector / TV / Monitor / Display - The HDMI and VGA port work simultaneously, - Can be used USB C - HDMI and USB C - VGA at same time. <p>Compatible With More Devices :-</p> <ul style="list-style-type: none"> - Apple TV, Smart TV Box and other devices with HDMI interface - PC Laptop, Ultrabook, Chromebook, Macbook - Tablet : Galaxy TabPro S, Tab S4, mode(S20/ S10/ S9/ S8/ NOTE 8/ NOTE9) - Rasberry Pi, Streaming media player etc. 	06-Nos.		
26	AT89S52 DEVELOPMENT BOARD	<ul style="list-style-type: none"> - AT89S52/53 Microcontroller based Compact and Ready to use design - Professional EMI/RFI Compliant PCB 	03-Nos.		



		<p>Layout Design for Noise Reduction</p> <ul style="list-style-type: none"> - High Quality Two layer PTH PC - No Separate power adapter instead USB-Power Source - Screw terminal for External power Supply (with Jumper Select Option) / Supply range of 7V to 20V / Adaptor (any standard 9-12V power supply option) - With Power LED Indicator - 1-Amp Voltage Regulator - Power Supply Reverse Polarity Protection - RS-232 Interface (For direct connection to PC's serial port) - On board - 16-MHz Crystal Oscillator / 04-Multiplexed 7-Segment LED Display - 02-Line LCD Display (2x16) - On board I2C EEPROM (4K-AT24C04) / I2C RTC (DS 1307) with Crystal (16-MHz Crystal Oscillator) and Battery - 02-External Interrupts and Reset buttons / Buzzer / Relay Interface - Matrix keyboard (12 keys) / Pull-Up (4 Keys) Keyboard / IR Sensor Interface - TSOP 1738 / 8-LED Interface to test I/O - On board DB-9 and USB / JTAG, ISP, All Port Pins available at IDC (2x5) Connector - AT89S52/53 Development board Software CDROM with <i>Schematic, Programming Software, Sample Hex Code and Example Codes</i> 			
27	EVALUATION BOARD FOR WI-FI	<p>Board used for Wi-Fi connectivity via Serial Host Interface</p> <ul style="list-style-type: none"> - Quick Booting Time : under 20-milli-sec - Ultra Low Power through Dynamic Power Management (34µA at the Standby mode) - Operates with standard 802.11b/g/n access point at speed up to 11Mbps (802.11b) - Security Protocol : WEP, WPA/WPA2-PSK, Enterprise EAP-FAST, EAP-TLS, EAP-TTLS, PEAP - Operation Temperature : -40°C ~ 85°C <p>Board Size - Compact Size : Appx. 32 x 24 x 3 (mm)</p> <ul style="list-style-type: none"> - CE, FCC, KCC Certified <p>ACCESSORIES</p> <ul style="list-style-type: none"> - Evaluation Board - Wi-Fi 220 Modules on Breakout-Board - USB Cable - RS232 Serial Cable 	03-Nos.		



	<p>Layer-2 Switch</p>	<ul style="list-style-type: none"> • 48 10/100/1000BASE-TX • 2 1000BASE-T • 2 Combo • 10/100/1000BASE-T/100/1000SFP • Switching Capacity – 128 Gbps, • Flash Memory- 16MB • Managed 	04			
29	<p>Video Handy cam</p>	<ul style="list-style-type: none"> • SENSOR TYPE-1/2.5 type (7.20 mm) back-illuminated Exmor R® CMOS Sensor • EFFECTIVE PIXELS (VIDEO)- approx. 8.29 Megapixels (16:9)² • IMAGE PROCESSOR- BIONZ X™ image processor • LENS TYPE- ZEISS Vario-Sonnar ® T* • FILTER DIAMETER-55 mm • Lens cover- Auto • Aperture- F 2.0 - 3.8 • Focal distance-4.4 to 88 mm • Optical Zoom- 20x • Optical Image zoom- 4K: 30x, HD: 40x • SCREEN TYPE-7.5 cm (3.0 type) Clear Photo LCD display (460,800 dots) Wide (16:9) • IMAGE STABILIZATION TYPE- Balanced Optical Steady Shot w/ Intelligent Active mode (5-axis) • FOCUS TYPE-Contrast AF • AUTO CONTROL RANGE-1/6–1/10000 • STANDARD-1/50–1/10000 • MANUAL IRIS CONTROL (PHOTO MODE)-1/25–1/10000 • MEDIA TYPE-XAVC S 4K (100 Mbps): SDHC Memory Card (4 GB or over, UHS-I U3 or Higher) / SDXC Memory Card (UHS-I U3 or higher) • RECORDING FORMAT (VIDEO)-XAVC S format: MPEG4-AVC / H.264, AVCHD format ver. 2.0 compatible: MPEG4-AVC / H.264, MP4: MPEG-4 AVC / H.264 • VIDEO RESOLUTION-XAVC S 4K: 3840 x 2160 / 25p, 24p, XAVC S HD: 1920 x 1080 / 50p, 25p, 24p, AVCHD: 1920 x 1080 / 50p (PS), 25p (FX, FH), 24p (FX, FH), 50i (FX, FH), 1440 x 1080 / 50i (HQ, LP), MP4: 1280 x 720 / 25p • VIDEO RECORDING RATE (ABR / VBR)- XAVC S 4K: approx. 100 Mbps, XAVC S 4K: approx. 60 Mbps, XAVC S HD: approx. 50 Mbps, AVCHD PS: approx. 28 Mbps / FX: approx. 24 Mbps / FH: approx. 17 Mbps / HQ: approx. 9 Mbps / LP: approx. 5 Mbps, MP4: approx. 3 Mbps • RECORDING FORMAT (STILL IMAGE)- JPEG (DCF Ver. 2.0 compatible, Exif Ver. 2.3 compatible, MPF Baseline 	01 Set			



		<ul style="list-style-type: none"> compatible) • STILL IMAGE SIZE (PHOTO MODE)- L: 16.6 Megapixels 16:9 (5440 x 3056), 12.5 Megapixels 4:3 (4080 x 3056), M: 8.3 Megapixels 16:9, (3840 x 2160), 6.2 Megapixels 4:3 (2880 x 2160), S: 2.1 Megapixels 16:9 (1920 x 1080), 0.3 Megapixels 4:3 (640 x 480) • MICROPHONE- Built-in Zoom Microphone • AUDIO RECORDING FORMAT- LPCM 2ch (48 kHz / 16 bit)¹³, Dolby Digital 5.1ch, Dolby Digital 5.1 Creator¹⁴, Dolby Digital 2ch Stereo, Dolby Digital Stereo Creator¹⁴, MPEG-4 AAC-LC 2ch • WI-FI- IEEE 802.11 b/g/n (2.4 GHz band) • NFC-NFC forum Type 3 Tag compatible 				
30	Headphone with built in Mic (Professional)	<ul style="list-style-type: none"> • Impedance-24 ohm • Supports Stereo Sound • Sensitivity-102 dB • Response bandwidth- 5 - 22000 Hz • Speaker Driver Unit- 30 mm • Microphone Type- Built-in • Plug Type- L-shaped gold-plated 4-pole mini plug • Headphone Driver- 30 mm Dome Type Driver 	30 Set			


Principal

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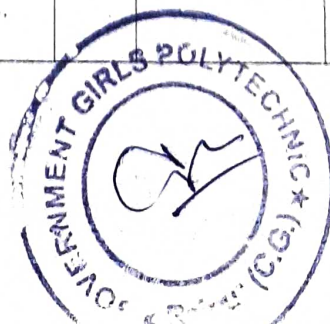


Group – B

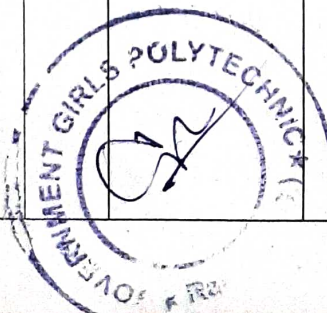
Department - Architecture & Interior Decoration And Design

PRICE-BID

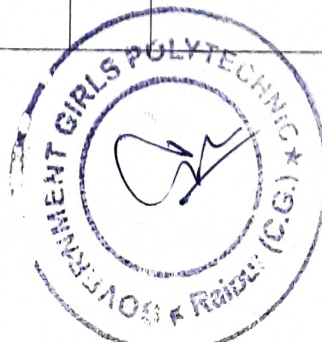
स. क.	मशीन उपकरण का नाम	स्पेशिफिकेशन	मात्रा	दर (जीएसटी सहित)	राशि	रिमांक
1.	Potter's wheel	Power- 1/3 HP (1440 RPM) Size- 600 mm X 600 mm X 350 mm Wheel- 300 mm (Overall diameter) Drive- Motor cone attached Operator-One(Unskilled)	02			
2.	3D Printer pen Doodler	3D Printer Pen Doodler Scribbler Modelling PCL & PLA Power Bank 5th Generation Pen 10M PCL Safe Finger Cap kids safe low temperature	03			
3.	Melting Furnace	<ul style="list-style-type: none"> Product Dimensions: 22.9 x 22.9 x 44.4 cm Microprocessor Based Pid Temperature Control Metal Melting Furnace 1Kg metal Capacity Maximum Temperature 1200 C 	02			
4.	Rectangular Muffle Furnace	<ul style="list-style-type: none"> Three Phase Size 150x150x300 mm Temp Range 1450°C by mLabs Light Weight With Ceramic Fiber Wool Insulation (instead Of Brick Insulation). The Outer Casing Is Made Of Double Walled Thick P.c.r.c. Sheet Duly Powder Coated. Heating Elements Are Made Of Kanthal 'a-1" Wire & Backed By High Temp. Insulation Which Avoids Loss Of Energy. Temp. Control Unit Consists Microprocessor Digital Temp. Controller Fitted In Front Of Furnace With Two Pilot Lamps. The Apparatus Is Complete With Thermocouple, Silver Thermal Fuse, Main Lead With Power Plug. To Work On 220/230 Volts Or 400/440 Volts A.c. Maximum Temp. Is 1000°C & Working Temp. 950°C. For Model Of Higher 	01			



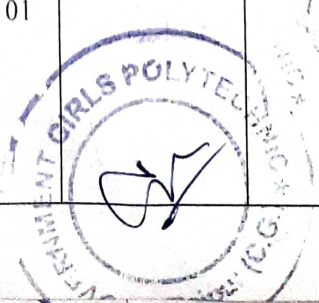
		Temp. The Maximum Temp. Is 1200°C, 1450°C & Working Temp. 1150°C & 1400°C.			
5.	Circular saw	<ul style="list-style-type: none"> • Rated power input- 1,100 W • No-load speed 5.200 rpm • Weight 3.6 kg • Saw blade bore diameter 20 mm • Saw blade diameter 184 mm • Cutting depth 65 mm • Cutting depth (90°) 65 mm • Cutting depth (45°) 47 mm 	02		
6.	Table saw machine	<ul style="list-style-type: none"> • WEIGHT 26.0000 • VOLTAGE 220v-240v, Single phase, A/c • POWER INPUT 1800W • SPEED 3.200 rpm • BLADE DIAMETER 254 mm • BLADE BORE 25.4 mm • MLTER CAPACITY [RIGHT/LEFT] 460MM/210MM • NO LOAD SPEED 3650 RPM • BEVEL CUT Incline setting : 47 ° L / 2 ° R • LENGTH X HEIGHT Table size: 642 x 572 mm 	01		
7.	Scroll saw	<p>This is the perfect machine for tool and die making model building toy repairs puzzle sawing architectural work antique restoration etc. It operates problem-free even when cutting acrylics fiberglass polystyrene foams rubber leather and cork. super cutting capacity (wood 1 1/2 plastics 1 3/16 non-ferrous metals 25/64) air blower with adjustable nozzle unit's machine base of cast iron , vibration-free operation. aluminum die-cast table tilt up to 45°.</p> <p>5 coarse and 5 fine saw blades The DSH is fitted with a vacuum cleaner or dust extractor adapter. Speeds 990 and 1500 strokes/min</p>	02		



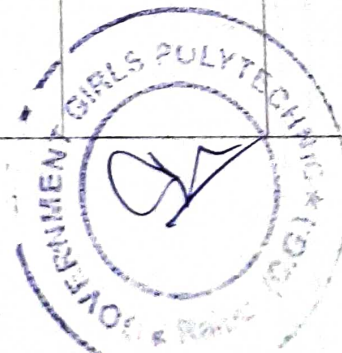
		Stroke length 3/4 Table Size 14 1/4 x 7 3/32 (tilts up to 45° for miter cuts) Throat Depth 15 3/4 (400 mm) Cut Depth 1 1/2 (1 at 45° table tilt) Overall measurements Length (20 55/64) Width (11 1/32) Height 11 13/16 Volts 110-120V AC 60 Hz Weight 44 lb.							
8.	IRON JACK PLANE	<ul style="list-style-type: none"> • Size 14" • Plane/Corrugated Base • Professional Wood Worker's Plainer • Wooden Grip • Cast Iron Body 	03						
9.	IRON JACK PLANE	<ul style="list-style-type: none"> • Size 10" • Plane/Corrugated Base • Professional Wood Worker's Plainer • Wooden Grip • Cast Iron Body 	03						
10.	Multitool Nail Staple Gun and rivet gun	Multi tool Nail Staple Gun Furniture Stapler For Wood Door Upholstery Framing Rivet Gun Kit Size: approx.107 mm x 155 mm Net Weight:approx.780 g/set (with case) Features: 1.No need for electricity or air; 2.Three nail types: T style, N style , U style. 1 x staple gun 1 x 5/16"staples 1 x 1/2"staples Power Size:107mmx155mm	03						
11.	Digital SLR Camera	Digital SLR Body with 18-55mm VR Kit Lens and 55-200mm Lens, BS-1 Accessory Shoe Cover, DK-25 Rubber Eyecup, BF-1B Body Cap, EN-EL14a Rechargeable Li-ion Battery (with terminal cover), MH-24 Battery Charger, AN-DC3 Strap, UC-E17 USB Cable, EG-CP16 Audio/Video Cable, DK-5 Eyepiece Cap, ViewNX 2 CD, Reference CD (contains the Reference Manual), 8GB Card and Camera Bag	01						
12.	Graphical pen tablet for pc	<table border="0"> <tr> <td>Product Dimensions</td> <td>20 x 16 x 0.88 cm; 250 Grams</td> </tr> <tr> <td>Batteries</td> <td>1 Lithium ion batteries required</td> </tr> </table>	Product Dimensions	20 x 16 x 0.88 cm; 250 Grams	Batteries	1 Lithium ion batteries required	01		
Product Dimensions	20 x 16 x 0.88 cm; 250 Grams								
Batteries	1 Lithium ion batteries required								



		(included) Connectivity technologies Bluetooth Other display features Personal Computer Colour Black Whats in the box One pen tablet, pen, Replacement Nibs, USB Cable, Quick start guide			
13.	CNC 3d Printer and cutter (CNC Wood heavy duty carving Machine, Automation Grade: Fully Automatic)	CNC Wood heavy duty carving Machine, Automation Grade: Fully Automatic Automation Grade Fully Automatic Frequency 50 Hz Phase 3 Phase Voltage 415 V Power Source Electric Maximum Tool Diameter Upto 20 mm Spindle Type Air Cooled Spindle Speed 24000 RPM Spindle Power 5 KW Maximum Traverse Rate 10000 mm/minute Outer Dimension 2000x3000 mm X Axis Travel 1300 mm Y Axis Travel 2500 mm Z Axis Travel 200 mm Axis Slider 25 mm HIWIN Linear motion guide	01		
14.	Total station	Telescope Magnification / Resolving power 30x / 2.5" Others Length : 171mm (6.7in.), Objective aperture : 45mm (1.8in.) (48mm (1.9in.) for EDM), Image: Erect, Field	01		

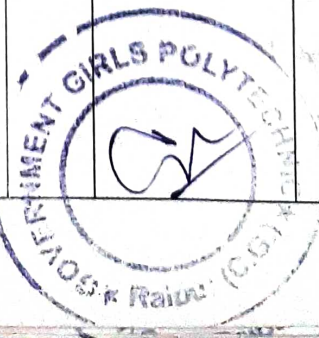


		of view: 1°30' (26m/1,000m), Minimum focus: 1.3m (4.3ft.) Reticle illumination: 5 brightness levels
Angle measurement		
Minimum Display		0.5"/1" (0.0001 / 0.0002gon, 0.002 / 0.005mil)
Accuracy (ISO 17123-3:2001)		1"
Dual-axis compensator		Dual-axis liquid tilt sensor, working range: ±6'
Collimation compensation		On/Off (selectable)
Distance measurement		
Laser output ¹⁾		Reflectorless mode : Class 3R / Prism/sheet mode : Class 1
Measur- ing range (under averag- e conditi- ons ¹⁾)	Reflecto- rless ²⁾	0.3 to 800m (2,620ft.) / Under good conditions ³⁾ : 1,000m (3,280ft.)
	Reflecti- ve sheet ²⁾	RS90N-K: 1.3 to 500m (4.3 to 1,640ft.), RS50N-K: 1.3 to 300m (4.3 to 980ft.), RS10N-K: 1.3 to 100m (4.3 to 320ft.)
	Mini prisms	CP01: 1.3 to 2,500m (4.3 to 8,200ft.), OR1PA: 1.3 to 500m (4.3 to 1,640ft.)
	One prism	1.3 to 5,000m (4.3 to 16,400ft.) / Under good conditions ³⁾ : 6,000m (19,680ft.)
Minimum Display		Fine / Rapid : 0.0001m (0.001ft. / 1/16 in.) / 0.001m (0.005ft. / 1/8 in.) (selectable) Tracking / Road : 0.001m (0.005ft. / 1/8 in.) / 0.01m (0.02ft. / 1/2 in.) (selectable)
Accura- cy ¹⁾ (ISO 17123 - 4:200 1) (D=m easuri- ng distan- ce in mm)	Reflecto- rless ²⁾	(2 + 2ppm x D) mm ³⁾
	Reflecti- ve sheet ²⁾	(2 + 2ppm x D) mm
	Prism ²⁾	(1.5 + 2ppm x D) mm
Measur- ing time ¹⁾	Fine	0.9s (initial 1.5s)
	Rapid	0.6s (initial 1.3s)
	Tracking	0.4s (initial 1.3s)
OS, Interface and Data management		
Operating system		Linux
Display / Keyboard		Graphic LCD, 192 x 80 dots, backlight, contrast adjustment / Alphanumeric keyboard / 28 keys with backlight
Control panel location		On both faces
Trigger key		Yes (right side)
Data	Internal	Approx. 50,000



storage	memory	points
	Plug-in memory device	USB flash memory (max. 32GB)
Interface		Serial RS-232C, USB2.0 (Type A for USB flash memory)
	Bluetooth modem (option)	Bluetooth Class 1.5, Operating range: up to 10m ¹¹
General		
Guide light ¹¹		Green LED (524nm) and Red LED (626nm), Operating range: 1.3 to 150m (4.3 to 490ft.)
Laser-pointer ¹¹		Coaxial red laser using EDM beam
Levels	Graphic	6' (Inner Circle)
	Circular level (on tribrach)	10' / 2mm
Plumb	Optical	Magnification: 3x, Minimum focus: 0.5m (19.7in.) from tribrach bottom
	Laser (option)	Red laser diode (635nm±10nm), Beam accuracy: <=1.0mm@1.3m, Class 2 laser product
Dust and water protection / Operating temperature		IP66 (IEC 60529:2001) / -20 to +60°C (-4 to +140°F)
Size with handle		183(W)x 181(D)x 348(H)mm
Instrument height		92.5mm from tribrach mounting surface
Weight with battery & tribrach		Approx. 5.3kg (11.7lb)
Power supply		
Battery		Li-ion rechargeable battery BDC70
Operating time (20°C) ¹¹		BDC70: Approx. 28hours ¹¹
Application program		
On board		<ul style="list-style-type: none"> • REM Measurement • 3D Coordinate Measurement • Resection • Stake Out • Topography Observation • Offset Measurement • Missing Line Measurement • Intersection • Surface Area Calculation • Route Surveying • Point to Line

15.	Laser Measuring Tape	Measurement time, typical	< 0.5 s	05
		Laser diode	635 nm, < 1 mW	
		Measurement range	0.05 – 50.00 m	



Laser class	2			
Measurement accuracy, typical	± 1.5 mm* (*plus use-dependent deviation)			
Measurement range of incline measurement	0 – 360° (4 x 90°)			
Measuring accuracy (typical)	± 0.2°* (*plus use-dependent deviation)			
Measurement time, max.	4 s			
Power supply	2 x 1.5 V LR03 (AAA)			
Automatic deactivation	5 min			
Weight, approx.	0.1 kg			
Units of measurement	m/cm, ft/inch			
Memory capacity (values)	20			
Battery lifetime, individual measurements, approx.	10,000			
Battery lifetime, operating time, approx.	2.5 h			
Dust and splash protection	IP 54			
Tripod thread	1/4"			
Laser colour	Red			
Measuring range, up to	50 m			
16.	Carpentry lab Machine	Multipurpose Woodworking Machine	01	



Weight (net) 550 kg

Tension 230 V
Mono /
400 V
Drehstro
m –
3phase

Versions

250 mm mit
Vorritz /
with
scoring
unit

315 mm ohne
Vorritz /
without
scoring
unit

Saw

R.p.m. 4500

Diameter saw blade and bore 250 x 30 mm / 315 x 30 mm

Diameter scoring saw blade and bore 100 x 20 mm

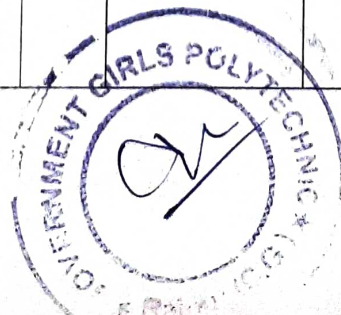
Cutting depth at 90° 85 mm (250 mm) / 107 mm (315)

Cutting depth at 45° 55 mm

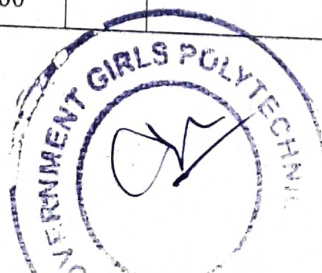
Dimensions cast iron table 1080 x 410 mm

Length sliding table 1450 x 320 mm

Cutting length 1650 mm



		Cutting width parallel fence	800 mm				
		Motor power	5 PS/hp				
17.	Wood Turning Lathe Machine	Product Specification		01			
		Usage/Application	Wood turning				
		Material	cast iron bed				
		Power	550W 1Ph 230V 50Hz				
		Motor	induction 1400rpm				
		Automation Grade	Semi-Automatic				
		Machine Capacity	510mm centre distance				
		Minimum Order Quantity	1				
		Product Description SPECIFICATIONS					
		Voltage, V	230				
		Power consumption, kW	0.55				
		Swing diameter over support	230 mm				
		Swing diameter over bed, mm	305				
		Distance between centers, mm	510				
		Extension of the bed (optional)	545 mm				
		Spindle taper	MK-2				
		Spindle thread	M33 x 3.5				
		Tailstock taper	MK-2				
		Tailstock quill stroke, mm	50				
		Length mm	860				



	Width, mm	270				
	Height, mm	410				
	Weight, kg	28				



Principal

Govt. Girls Polytechnic
Byron Bazar, Raipur (C.G.)



Group – C
Department - Modern Office Management
PRICE - BID

स.क.	मशीन उपकरण का नाम	स्पेशिफिकेशन	मात्रा	दर (जीएसटी सहित)	राशि	रिमाक
1	Bar Code reader (For Student Training Purpose)	<ul style="list-style-type: none"> 58mm maintenance free USB Thermal Printer for Fast Printing Infinity iBill Lite GST Software for Invoicing, Inventory and Barcode Label Printing Software Supports Laser, Inkjet, Thermal and Barcode Printers Tvs Barcode Reader for high speed scanning 	01			
2	Paper Cutting Machine (For Student Training Purpose)	<ul style="list-style-type: none"> Gold Leap 12" गिलोटिन पेपर कटर, A4 ट्रिमर, 400 Sheet Capacity गिलोटिन 	01			
3	Sealing Machine (For Student Training Purpose)	<ul style="list-style-type: none"> Royal 6" हैड इंपल्स हीट सिलिंग मशीन 2 एलिमेंट, Teflon Cloth 16" मटेल आरंज 	01			
4	Automatic Letter Opener Machine (For Student Training Purpose)	<ul style="list-style-type: none"> Martin Yale my 1628 Desktop Electric Letter Opener 	01			
5	Heavy Duty Stapler (For Student Training Purpose)	<ul style="list-style-type: none"> Stapler Unboxing FL 12 M24 (300 Page Stapler Capacity) 	01			
6	Paper Punching Machine (For Student Training Purpose)	<ul style="list-style-type: none"> DP. 800 Page 	01			
7	Vaccum Cleaner (For Student Training Purpose)	<ul style="list-style-type: none"> Multi Purpose wet & dry ,Vaccum cleaner with Power ful blower & suction function,suction power, 1800 mm of water column, Input power 1150 w. 	01			
8	Paper Shredder M/c (For Student Training Purpose)	<ul style="list-style-type: none"> Automatic cross cut Fellowes office Paper shredder m/c, output paper size 4X38 mm 	01			
9	Spiral Binding M/c (For Student Training Purpose)	Dotpot Spiral Binding Machine A/4 , 14-16 70 GSM & 40 Hol Sheet, Havey Duty	01			

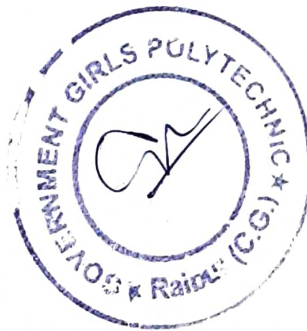


		machine White				
10	Thermal Binding Machine (For Student Training Purpose)	Iron Thermal Binding SK 5000(A4) Max Binding Sheet width 200- 300mm	01			
11	Plastic Comb Binding M/c (For Student Training Purpose)	C1S Comb binding machine, Capacity 500 Sheets	01			
12	Tripod	Unifree WT-330A एल्युमिनियम पोर्टेबल ट्राईपॉड स्टैंड 3 वे हेड डिजीटल कैमरा कैमकार्डर के लिए मोबाइल होल्डर ट्राईपॉड किट के साथ (3000 g तक सपोर्ट करता है)	04			



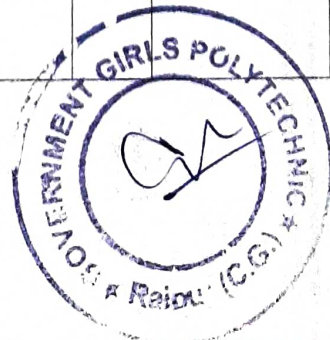
Principal

Govt. Girls Polytechnic
Byron Bazar, Raipur (C.G.)



Group – D
Department - Costume Design and Dress Making
PRICE - BID

स.क.	मशीन उपकरण का नाम	स्पेशिफिकेशन	मात्रा	दर (जीएसटी सहित)	राशि	रिमार्क
1	DRESS FORM WITH ARM <ul style="list-style-type: none"> • Style: Universal • Colour: Black/Skin • Fully pin-able form • 4 wheel heavy metal adjustable stand 	Female Dress Form: 1. Size-6: <ul style="list-style-type: none"> • Chest-32.5 • Waist-23.5 • Hip- 34.5 2. Size-8: <ul style="list-style-type: none"> • Chest-34.5 • Waist-25.5 • Hip- 36.5 	01			
		Girls' Dress Form: 1. Size: 8 Years	01			
		Male Dress Form: 1. Size: 40 <ul style="list-style-type: none"> • Chest-40 • Waist-34 • Hip- 41 	01			
2	MANNEQUIN <ul style="list-style-type: none"> • Fiber Body • Metal Stand • Hair wig • Colour: Skin • Detachable Mannequin • Dummy consists of a head, a torso, 2 arms, 2 legs and metal stand. 	Female mannequin <ul style="list-style-type: none"> • Size: Standard 	02			
		Male mannequin <ul style="list-style-type: none"> • Size: Standard 	02			
		Boy mannequin <ul style="list-style-type: none"> • Size: 6 yr • Size: 8 yr 	01 01			
		Girl mannequin <ul style="list-style-type: none"> • Size: 6 yr • Size: 8 yr 	01 01			
3	Folding Stand For Dress Hanging	<ul style="list-style-type: none"> • Material: Steel • Size: 4½' 	24			
4	Automatic Electric Iron	<ul style="list-style-type: none"> • 19 Steam Vents With 5 Fabric Settings • Ceramic Coated Non -Stick Soleplate • 1300 Watt effective performance • Powerful Steam Output of up to 18 gm /minute • 180 ml Large Water Tank Capacity • 2 Year Warranty 	10			

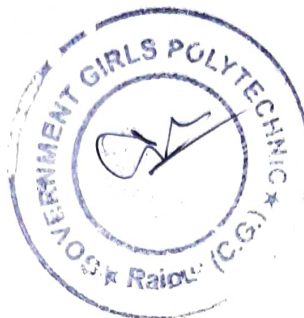


5	Cloth Ironing Table	<ul style="list-style-type: none"> • Size: 4'x 2'x 3' (LxBxH) • Material: Wood/ Metal • Foldable Ironing Board with Iron stand • Heat Resistant Iron holder • Aluminized Cloth cover 	04			
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Principal

Govt. Girls Polytechnic
Byron Bazar, Raipur (C.G.)



Group-E
Department- Pharmacy
PRICE-BID

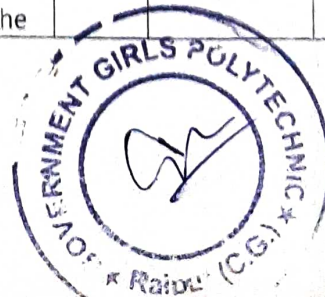
स.क.	मशीन उपकरण का नाम	स्पेशिफिकेशन	मात्रा	दर (जीएसटी सहित)	राशि	रिमाक
1	Melting point Apparatus	Capillary Type with window	2-Set			
2	Student organ bath	Stainless steel body, Size 12x9x8 inch	1-Set			
3	Digital Water Bath	Stainless steel body, 3 liter, Digital temperature control	1-Set			
4	Dissolution Test Apparatus	Single Station Temp Control, IP grade	1-Set			
5	Sonicator	Bath Type, Steel Made, 1500 Watt, 3 Liter	1-Set			
6	Blood Pressure Apparatus	Sphygnomanometer Mercury Type	1-Set			
7	Hot plate	Digital, Temp 0-250 Degree C	1-Set			
8	Tablet Hardness Tester	Phizer Type	1-Nos			

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Byron Bazar, Raipur (C.G.)



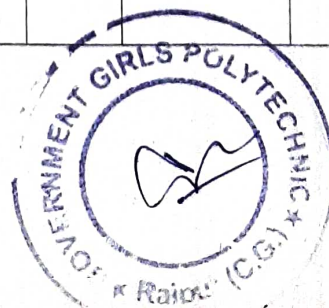
Group - F
Language Lab
PRICE-BID

S. No	List of Equipment	Specification	Quantity	Rate	Amount	Remark
	Digital Language Lab software (English)	<p><u>SOFTWARE LICENCED (Perpetual)</u> <u>SPECIFICATION FOR</u></p> <ul style="list-style-type: none"> • The software should be based on the parameters as defined by the ALTE&CEFR for language framework • It should be Window 32bit & 64bit both supported software. • License user terminals :License to be provided for1 teacher console and 30 student users • The software should be designed & developed using WEB2 technologies and operational on all major operating systems. • License: It should be life-time perpetual license. • Secured login: The main interface of the teacher with password protected login must have different options to teach effectively in a lively manner. • One-To-One and One-To-Many Audio conferencing facility between console and students • All standard Audio /video formats (individual and in combination) Supported ASF,AVI,WMV,DAT,MPG,MPEG,MP3, WAV etc. • <u>FUNCTIONALITY SPECIFICATION *</u> • Learner Activity monitoring through Teacher dashboard • Incognito listening-in student module. • Intercom: Two-way intercom communication between teacher &student, through text, audio &video. • The software should have Sample lessons for words and pronunciation. • The software should have Lesson Plans with focus on expression and comprehension. • Student material: Material in the 	01 Set			



form of E-Books for each level should be available. This material should be integrated as whole.

- Resource material & training: Training on usage of the language lab software to all the teachers. Proper detailed training material to be provided for each level as the delivery mechanism.
- The software should create independent students group.
- Pairing of students for interactive session
- The software must have facility to conduct online exam with one answer, multiple answer, alternative and easy type.
- Screen Records (with A/v and Marker Tool Marks) transfer facility between all members and teacher
- Facility to broadcast voice and screen of Master Computer (Teacher console).
- The software must have facility of Real time lesson editing and lesson re-assigning
- It should support Interactive online activities
- Multi accent training
- Webpage Control Features
- Graphical representation of voice waves
- Recap Functionality.
- Model imitation.
- Student activity logging facility. Student should be able to create any bookmark on audio
- Voice Insert between speech facilities.
- Pronounce module. Should provide solutions for improving oral skills and allow to transform text material into spoken audio for pronunciation and speech practice.
- The software must have the facility to create assignments and management facility.
- The software should have a unique option to record your voice and compare against the original master voice of the program, built into fit into any screen.
- The software must also show the



correct answers to the students after the exercise and the answers must be shown in different colours to easily highlight and understand.

- The software must give a feedback after the answer for the students to better understanding.
- The software should allow both teacher and student to use any audio or video file as content and also to add subtitles to that file.

PRE BUILT LESSON PLAN/CONTENTS

/EXERCISES

- The software program should be a multiple structured base level program covering four aspects of English language training namely, Listening, Speaking, Reading and Writing (LSRW).
- Listening, comprehension and public speaking skills modules.
- Various etiquettes Group discussion, Interview ,PD and other soft skills modules
- Videos of expert and professional
- Interactive exercises and activities to build the concepts.
- Pronunciation practice using Phonetics

- ***Functionality & Prebuilt Lesson Plans Evaluation (demo) will be done by subject experts before ordering**


Principal

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