



कार्यालय प्राचार्य, शासकीय कन्या पॉलीटेक्निक
बैरनबाजार, रायपुर (छ0ग0)

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क्रमांक / निविदा / उपकरण / शाकपौरा / 2015 1802

रायपुर, दिनांक 29.12.15

शासकीय कन्या पॉलीटेक्निक रायपुर में केन्द्र प्रवर्तित योजनान्तर्गत प्रयोगशाला के उन्नयन हेतु अपग्रेडेशन ऑफ पॉलीटेक्निक स्कीम के तहत इलेक्ट्रानिक्स उपकरण आदि सामग्री क्रय की जानी है। जिसकी अनुमानित मूल्य रु. 10 लाख (रु. दस लाख मात्र) है। इच्छुक निविदाकर्ता अपनी निविदा दिनांक 30/01/2016 समय 2.00 बजे तक निर्धारित प्रपत्र में तथा सीलबंद लिफाफा में प्रस्तुत करें। विज्ञापन की विस्तृत जानकारी के लिए संस्था के वेबसाईट **Web Site:- www.ggpraipur.ac.in** का अवलोकन करें। संस्था से सीधे निविदा प्रपत्र राशि रु. 1000/- (रु. एक हजार मात्र) नगद द्वारा कार्यालयीन समय में लेखा शाखा से क्रय किया जा सकता है। तथा वेबसाईट से निविदा प्रपत्र डाऊनलोड करने पर निविदा प्रपत्र की राशि रु. 1000/- (रु. एक हजार मात्र) का प्राचार्य के नाम डिमांड ड्राफ्ट के रूप में निविदा के साथ जमा करना अनिवार्य होगा।

प्राचार्य

शासकीय कन्या पॉलीटेक्निक
रायपुर (छ.ग.)

OFFICE OF THE PRINCIPAL

Government Girls polytechnic, Bayron Bazar, Raipur (CG) – 492001

Phone 0771-2423045 Fax 0771-2424778 Website: www.ggpuraipur@yahoo.com

No.GGPR./ UPGRADATION / EQUIP / TENDER-01 / 2015-16 / _____ Raipur, Dt.: 29.12.2015

TENDER NOTICE – 03 / 2015

Last date for Receiving sealed tender : 30-01-16 up to 02.00 P.M
Date and time of opening the tender : 30-01-16 at 03.00 P.M
Rate Of Tender Form : Rs. 1,000.00 (Rs. One Thousand only) Each

Sealed Tender-bids are invited from the intended bidders for supply of Goods / Machineries / Equipment for various departments of the institute, by the Principal, Govt. Girl's Polytechnic, Raipur- 492001.

Tender should be submitted as per following guidelines.:-

Tender will be submitted in four sealed envelope A, B, C and D as mentioned below envelope

(A) Envelope 'A' shall contain

- I. EMD
- II. Registration Certificate issued by Commercial Tax Department mentioning such equipment supplier
- III. Income Tax Clearance

(B) Envelope 'B' shall contain

- I. Technical Bid as per Annexure-I.II Technical Literature and Original Leaflets of equipments offered.
- II. Authorized dealer/Manufacturer certificate for the items offered as per Annexure-I ,II ,III
- III. Undertaking of fulfillment of all condition

(C) Envelope 'C' shall contain

- I. Price Bids for quoted Items / Equipment / Machines
- II. Discount Offer, if Any

(D) Envelope 'D' shall contain

All three afore said sealed envelope **A + B + C**.

TERMS AND CONDITIONS

1. Terms and conditions for supply of Items / Equipment / Machines as per enclosed list for Govt. Girl's Polytechnic, Raipur
 - a. The tenderer is liable to be rejected if not submitted as per the prescribed conditions and in the prescribed format without asking any further clarification.



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- b. The bidder should quote their offer / rate in clear terms without any ambiguity.
 - c. The tender will be opened as per the date and time given above in the presence of such tenderer (s) or their representatives who are desirous to be present.
 - d. Tender received after due date and time will not be entertained.
 - e. The tender form is non transferable.
 - f. Tender should be submitted in Duplicate. They should be tagged separately and marked as **ORIGINAL** and **DUPLICATE**.
 - g. Item no. and page no. of the tender form should be strictly in chronological order. Make, name of the manufacturer with complete address should be mentioned against each item and equipment.
 - h. Printed condition on the back of the tender will not be binding unless separately mentioned. Copies of the terms and condition should be furnished in duplicate.
 - i. The tenderer must furnish complete and detailed specification supported by printed literature of the equipment offered.
2. All the Envelopes should be signed & sealed tape on all joints.
- a. The rate should be FOR destination including Excise and PFFI. Nothing extra will be paid in such case except the VAT / CST on the cost of the equipment.
 - b. If rates are quoted Ex-Godown / Ex-Factory then Excise duty, and PFFI charge should be clearly indicated for proper rate compatibility / comparability.
 - c. Taxes, if liable extra, should be clearly indicated failing which the rate quoted in the tender will be considered as inclusive of all taxes.
 - d. There should be no alterations / corrections made in the Tender. The quoted rate should be in figures and words.
 - e. The tender should clearly indicate whether the equipment is complete in itself. If in the opinion of the tenderer, certain accessories are necessary with the type of the equipment tendered, the tenderer must quote for aforesaid accessories under the heading Extra but Essential.
3. The tenderer is required to deposit 30,000/- (in words Rs. Thirty Thousand only) Fixed Amount - based on Estimated cost of the store(s) as EMD. The EMD should be deposited, in the form of Demand Draft drawn in favour of Principal, Govt. Girl's Polytechnic, Raipur, C.G payable at Raipur against tender No. **GGPR./ UPGRADATION / EQUIP / TENDER-03 / 2015-16**. Tenders received without EMD shall be rejected. Requests for relaxing EMD will not be entertained. EMD by cheque or MO will not be accepted.
4. In case of non-acceptance of the tender, the EMD will be refunded without interest to the tenderer in due course of time. The EMD will be treated as security deposit in case of selected



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- tenders. EMD / Security deposit will be forfeited in case of breach of agreement of supply by the tenderer (supplier). The order shall stand cancelled and security deposit shall be forfeited.
5. If supplier expresses his inability to execute the order for the quoted items within validity period of the tender at the rate quoted in the tender and for makes / brand quoted in the tender.
 6. If the complete equipment is not supplied within the delivery period mentioned in the order or within the extended period permitted.
 7. If the supplier executes only part of the order.
 8. Any Equipment / Trainers, Hardware or software breakdown must be attended within 7 days during the valid warranty period of the equipment/software free of cost.
 9. Payments shall be released after the successful installation and demonstration of the machine / equipment at the respective institution.
 10. The training for at least two persons for handling the machine / equipment shall be provided by the supplier at his own cost. The tenderer may be asked to give demonstration of the equipments /software preferably at Raipur.
 11. The supplier will have to get the equipment delivered, installed and commissioned successfully as per specification in the designated institution and then only the payment will be made .
 12. The one time extension in the delivery period may be granted at the discretion of the undersigned. The penalty at a rate of 2% per month of the full cost of the equipment is liable to be charged for the extension of the delivery period.
 - a. Equipment received after the delivery period or dispatched after the delivery period mentioned in the order will also be subjected to this penalty.
 - b. In case of any default in execution of the order, the undersigned reserves the right to forfeit the EMD / Security deposit. The undersigned also reserves the right to cancel the order and forfeit the EMD/ Security deposit in case the tenderer fails to adhere strictly to all terms and condition of the order / tender.
 - c. If defects of any kind or deviations from the specification are detected and reported to the supplier, the supplier should make replacement or rectify the defects free of cost within 30 days from the date of report, failing which the equipment will not be accepted and will be returned to the supplier at his own cost and risk, and the EMD will be forfeited. In case the equipment is sent for repairs to the firm, it should be repaired with in 30 days, from the date of receipt of equipment failing which the same will not be accepted and EMD will be forfeited. However the undersigned may condone the delay in deserving cases at his discretion.
 13. The undersigned reserves the right to increase / decrease the quantity of the equipment to be supplied.
 14. The submission of the tender will be deemed to be the acceptance of all the terms and condition of the tender as stated herein and / or elsewhere in the tender document.



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15. Tenders should be valid for at least Twelve months from the date of opening of the tender. The prices should be firm without variations of any kind.
16. The undersigned reserves the right to accept the lowest or any tender and also of rejecting all or any tender without assigning any reasons for the same or to split up the tender as he may deem fit.
17. 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.
 - a. Sealed envelope for the tender should be super scribed as **No.GGPR / UPGRADATION / EQUIP/ TENDER-01 / 2015-16 / _____ Raipur, Dt.: 2016**. And it should be addressed to Principal, Govt.Girls Polytechnic, Bayron Bazar, Raipur, C.G 492001. Tender for be clearly mentioned on the Envelop (at Left-hands side Top Corner).
18. All items quoted must conform to the BIS / ISO Certificate as far as possible.
19. No advance payment will be made.
20. The tenderer / bidders shall provide TIN No. certificate having mentioned tendered item. ST Clearance certificate from the concerned authority and should be attached with the tender. In case of imported Machinery bill of clearance is required Tender received without these certificates shall be rejected.
21. The minimum warrantee 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 will be required to undertake repair / replacement of defective parts free of cost at the institution during the guarantee period.
22. All the disputes with regard to the contract of purchase of equipment etc. is subjected to Raipur, Chhattisgarh Jurisdiction only.
23. In the event of the order, supplier who are the manufacturer of the equipment will be required to furnish a certificate to the effect that they are manufacturers of such and such make whereas the authorized Dealer / Agent or Reseller will have to furnish certificate issued by the manufacturer, importer certifying that M/S is their authorized agent / Reseller / Retailer under brand name No equipment without this certificate will be accepted.
24. The equipment / machinery calibrated in metric system need be quoted.
25. The bidders shall guarantee that after sales service shall be provided as and when required.
26. The supplier will render necessary assistance, if required, in the installation of the equipment / machinery in the designated institute (s) / site free of charge.



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27. No offer should be made for imported item for which import license has to be arranged by the undersigned. The entire imported item will have to be delivered in the designated institute (s) and payment will be made in Rupees.
28. The payments shall be released only after satisfactory and successful commissioning and installation of the equipment / machinery at the designated site / institute (s).
29. The rate quoted as per given format in Annexure-I & Annexure-II.. Packing, forwarding, freight, insurance and other incidental charges should be included in the offer price..
30. In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Govt. Girls' Polytechnic, Raipur shall be final.
31. The bid document /resultants contract will be interpreted under Indian laws.
32. If the successful bidder/ tenderer, 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 there of, subject to a maximum of 5% of the value of undelivered goods.
 - a. Alternatively, it will also be open to the Govt. Girls' Polytechnic, Raipur, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder / tenderer.
33. The undersigned is not responsible for any loss or damage to the equipments during transit irrespective of the fact that they are insured or not insured or delivery is ex-godown or factory station.
34. The tenderer is required to execute the agreement bond duly signed and witnessed to this office along with the letter confirming the acceptance of the order. It should be noted that in the event of failure to submit agreement bond duly filled in within the stipulated period, i.e. 10 days (Ten days), entire amount of Earnest Money / Security Deposit is liable to be forfeited and order cancelled and if supply have been made in the meanwhile, they will be at the risk and responsibility of the supplier.
35. No claim shall be entertained in respect of interest on Earnest Money / Security deposit / Bid Deposit.
36. Inspection of the equipment will be carried out at the institution after receipt of the equipments. Any request for the inspection of the same at the firm's factory / go-down / showroom etc. will not be entertained.
37. Illustrated manuals, working instructions, trainers, software and hardware, erection / wiring details of the ordered equipments must be supplied in suitable damp proof cover.


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ANNEXURE-I

Proforma for Technical Bid

The offer should be submitted in the following format only

S.No	Name of Item along with Make	Specifications given in the Tenders	Technical Specifications which the bidder wants to supply as per Catalogue/ Brochure	Remarks

NOTE: Attach Catalogue/Brochure in original for above quoted Items. The quoted items should conform to BIS standards



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ANNEXURE-II

Proforma for Financial Bid

The offer should be submitted in the following format only

Sl. No.	Name of Item along with Make	Specifications given in the Tenders	Technical Specifications which the bidder wants to supply as as Catalogue/ Brochure	Price of Equipment	Cost of equipment Inclusive all	Remarks

NOTE : All the above quoted items rate should be in confirmation with the tender conditions.



PART – A
LIST OF EQUIPMENT WITH SPECIFICATION

1. ARM 11-BOARD WITH LCD SCREEN

03-SET

OK6410 CORE BOARD — 6 LAYER PCB
Samsung S3C6410 microcontroller based on the ARM1176JZF-S core,
Main frequency @533/667MHz;
256MB Mobile DDRram; / 1GB NAND Flash;
12MHz,- 48MHz,/ 27MHz,- 32.768KHz clock source;
5V power supply adaptable

OK6410 CARRIER BOARD— 4 LAYER PCB,
One reset button implemented with specific reset chip;
8-bit toggle switch for selecting boot mode;
Four serial ports, including 1 5-wire RS232 and 3 3-wire RS232;
01 - 100M Ethernet port with DM9000AE and indicators;
01 - USB Host interface supporting USB1.1 protocol;
01 - USB Slave (MINI-USB) interface supporting USB2.0 protocol;
01 - High-speed SD card slot supporting SD Memory and SDIO;
01 - WIFI expansion interface;
Stereo audio I/O sockets

LCD and touch screen interface supporting 5.6" / TFT LCD
01 - CVBS output interface (PAL/NTSC)
01 - CMOS camera connector supporting ITU-R BT601/656 8-bit mode;
Built-in RTC (Real Time Clock) with back-up battery;
01 - JTAG interface using 2*10pin connector;
01 - Infrared receiver;
04 - User LEDs
One Buzzer;
Three 2*10pin expansion interfaces.
01 - Expansion interface
1 x GND, 1 x DA, 8 x AD, 10 x IO, 1 x SPI.,
01 - for connecting 8 x 8 matrix keypad;
03 - TTL serial ports and 6 I/O

ACCESSORIES

WI-FI ADD-ON BOARD
High speed for wireless LAN connection: IEEE802.11b/g up to 54Mbps data rate

01-NO.



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Direct Sequence Spread Spectrum (DSSS)
OFDM data modulation.
Seamless roaming within the IEEE 802.11b/g WLAN infrastructure.
IEEE 802.11b/g compatible: allow inter-operation among multiple vendors.
Auto fallback: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6M (802.11g); 11M, 5.5M, 2M, 1M (802.11b)
Data rate with auto fallback.
WPA (Wi-Fi Protected Access)
Support 802.11i Security standard through implementation of AES / CCMP and WEP
With TKIP security mechanism.
Support 802.11e Quality of Service (QoS)
Interoperability – Complying with WECA WiFi.
3-wire, hardware signaling BT WiFi co-existence supported

2. AT-89S52 DEVELOPMENT BOARD

High quality Atmel microcontroller development board
The DIP40 locking device, easy to remove the ATMEL microcontroller for reuse.
8 independent LED.
1 * 4 independent keys.
4* 4 keypad matrix.
RTC DS1307 with battery connector
AT24C02 I2C external memory.
USB-FT232 Driver.
I2C EEPROM Interfaces
The MAX232 chip RS232 communication.
16X2 LCD interface (character display).
All IO ports pin have extraction and clearly marked.
On Board Power supply 3.3V,5V 12V,GND.
8 pin DIP switches.
RS232 Connector.
The board also has inbuilt Xbee footprint.
Stackable Arduino shields.
Raspberry Pi expansion connectors.
ADC0804 8-Bit Microcontroller Compatible A/D Converter.
I2C bus.
SPI Bus.
FT232 Breakout board connector.
External jumper nodes.
Board is equipped with LCD 2x16 connector
Quartz crystal 11.0592 MHz.
ULN 2803 To drive Stepper Motor& Relays.

04-SET



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Reset button.
Power plug-in DC Socket.
Power supply indicator LED.
Test led for Tx, Rx.
7Seg Multiplexed Display.
Pin outs for 3.3V, 12V, 5V, GND.
All IO's are connected by brug stripss for easy connection.
High quality PCB FR4 Grade with FPT Certified.

3. SINGLE BOARD COMPUTER WITH TOUCH SCREEN LCD

ARM - 926EJ-S™ ARM® Thumb® Processor / 400 MHz @ 1.0V +/- 10% **02-SET**
6 Kbyte Data Cache, 16 Kbyte Instruction Cache, Memory Management Unit
One 64-KByte / Internal ROM embedding bootstrap routine
Boot on NandFlash, SDCard, Dataflash or serial dataflash
LCD driver, Support the 480 * 272 display
Support a variety of different size LCD screen, resolution, adjustable
Boot LOADER
1.NET download: Can set Mac address, static IP, dynamic DHCP IP, and download WinCE kernel
2.FormatNandFlash
3.Set startup delay time
4.Set the kernel address in the NandFlash, the address in the RAM, and the size of the kernel
01 - 32 KByte internal SRAM, single-cycle access at system speed
External 128MB DDR2 SDRAM, 256MB NandFlash, 4MB DataFlash,
64 - KB Serial EEPROM, 128 - Byte one-wire EEPROM
10/100 - Mbps Ethernet MAC controller(only for MBC-SAM9X25-P)
O/S Version: WinCE6.0
USB Host driver, support EHCI and OHCI
Audio, support WM8731
Serial driver / Micro SD Card driver / Touchscreen driver / DMA driver
USB Device driverFunction - Synchronization with PC
Use to transmit data between PC and board with USB line
Serial debug terminal, USB download the image tool
SAM-BA downloads Bootloader and kernel to NandFlash on the board through the USB line

Industrial Temperature SOM CPU Module
Working temperature -40 °C to 8 5°C

4. PCB PREPARATION UNIT A. DOUBLE SIDED UV EXPOSURE UNIT

Tabletop Double-Sided Exposing-Unit For High-Resolution Exposure Of PCBs **01-SET**
Maximum Size 300 mm x 255 mm (12" x 10")

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	U.V. Tubes	2 x 4 (8 Watts) actinic tubes with Double side	
	Chokes	Electronic Type	
	Timer	0 - 10 minutes	
	Electrical Power	230 V - 50Hz, 5A Socket require	
B. PCB DESIGNING SOFTWARE	For PCB Designing / Artwork Designing Single Layer / Double Layer PCB Design Component Placement Components Side /Copper-Clad Side visulaization Negative design Convertible		LS
	PCB EXPRESS DYNA BOARD UTIL-BOARD etc.		
C. PCB ETCHING MACHINE	For fast and double sided PCB etching Useful etching area : 250-mm x 300-mm (10" x 12"). Tank Capacity : 30 liters. Full Construction : corrosion free. With Heater		01-SET
D. BAKING OVEN	Tabletop unit for curing of liquid photo resist. Timer controlled heating system for fast & efficient PCB curing PCB Size Max. 250 mm x 300 mm (10' x12"). Heating : 0-90°C Heaters with thermostat controls Timers Preset timer 0-30 minutes Electrical Power 230-V / 50-Hz. & with 15-A Socket		01-SET
E. ROLLER TINNING MACHINE (FOR PCB)	Tabletop unit for Tin / Solder coating of PCB Automatic Timer & Hand operated flywheel Max..PCB width - 250 mm x 300 mm (10 x 12") Max. PCB thickness – Max. 6 mm Older bath capacity : 4-6 kgs		
F. PHOTO-RESIST DIP COATING MACHINE (FOR COPPER CLAD)	Table top and compact Operation unit designed for Coating of Laminates with Photo-Resist uniform controlled thickness of Photo-Resist on copper clad Max Board size – 250 mm x 300 mm (10 x 12") Rectangular Tank Capacity Max. 2 litres.		01-SET



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Motorized Screw Driven System

Dips one PCB at a Time
Electrical Power: 230-V / 50-Hz, 5-A Socket

G. MACHINE

Table top and compact
Operation unit designed for Coating of Laminates with Photo-Resist

01-SET

PART – B

LIST OF EQUIPMENT / SUNDRIES ITEM WITH SPECIFICATION

1. LAYER-3 MANAGED SWITCH (NETWORK-SWITCH)

Ports	Min 16- RJ-45 autosensing 10/100/1000 PoE ports 2 dual-personality ports	04-SET
Memory and processor	Frees cale PowerPC 8313 @ 333 MHz 32 MB flash / Packet / 128 MB DDR-II SDRAM Buffer size 512 KB dynamically allocated	
Latency	100 Mb Latency: < 5.3 μ s / 1000 Mb Latency: < 2.7 μ s up to 14.8 Mpps	
Switching capacity	20 Gbps / PoE capability / 67 W PoE 16 switches Stackable	
Management features	IMC - Intelligent Management Cente Out-of-band management (serial RS-232C) / IEEE - 802.3 Ethernet mib Ethernet interface mib / Command-line interface	

2. COMPUTER MOTHER-BOARD

INTEL- Mother Boards

LS

a. Intel-DH61WW :

H61-Chipset / LGA 1155 Socket
For Core i7, Intel Core i5, Intel Core i3 Intel-Processor
RAM Support-DDR3/ 1066 & 1333 MHz.

b. Intel-BOXDP67BG

P61-Chipset / LGA 1155 Socket
For Core i7, Intel Core i5, Intel Core i3 Intel-Processor
RAM Support-DDR3/ 1066 & 1333 MHz

GIGABYTE - Mother Boards

LS

a. GA-H55N-USB3

H55 Express Chipset / LGA 1155 Socket

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For Core i7, Intel Core i5, Intel Core i3 Intel-Processor
RAM Support-DDR3/ 1066 & 1333 MHz.

b. GA-H170M-D3H

H170 Chipset / LGA 1155 Socket

For Core i7, Intel Core i5, Intel Core i3 Intel-Processor
RAM Support-DDR3/ 1066 & 1333 MHz

ASUS - Mother Boards

LS

a. P8H61-M LE/CSM R2.0

H61Micro Chipset / LGA 1155 Socket / 3rd 2nd Generation
For Core i7, Intel Core i5, Intel Core i3 Intel-Processor
RAM Support-DDR3/ 1066 & 1333 MHz.

b. M5A97 R2.0 AM3

AMD 970-SB950 / LGA 1155 Socket / 3rd 2nd Generation
For AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
RAM Support-DDR3 / 1866/1600/1333/1066 MHz ECC

3. COMPUTER MAIN PROCESSOR

INTEL Processor

a. Intel Core i7 4770K 3.5GHz 8MB

02-NOS.

Core i7 4th Gen. / 4-Cores / 3,5-GHz. Speed
LGA 1150/Socket H3
L2 – 256 MB / L3 – 8-MB Cache
MPN - BX80646I74770K
3-Years Warranty

b. Intel Core i5-4440 Haswell Quad-Core 3.1GHz

02-NOS.

Core i5 4th Gen. / Quad-Cores / 3,1-GHz. Speed
LGA 1150/Socket
L2 – 256 MB / L3 – 6-MB Cache
MPN - BX80646I54440
3-Years Warranty

c. Intel Core i5-4440 Haswell Quad-Core 3.1GHz

02-NOS.

Core i5 4th Gen. / Quad-Cores / 3,1-GHz. Speed
LGA 1150/Socket
L2 – 256 MB / L3 – 6-MB Cache
MPN - BX80646I54440
3-Years Warranty

d. Intel Core i3-4150 Processor 3.5GHz 5.0GT/s 3MB

02-NOS.



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	Core i3 4th Gen. / Dual-Cores / 3,5-GHz. Speed LGA 1150/Socket L2 – 256 MB / L3 – 3-MB Cache MPN - i3-4150 (BX80646134150 3-Years Warranty	
	e. AMD 3.5 GHz AM3+ FX 6-Core Edition FX-6300 Core i3 4th Gen. / 6l-Cores / 3,5-GHz. Speed LGA 1150/Socket L2 – AM3+ / L3 – 3-MB Cache MPN - FD6300WMHKBOX 3-Years Warranty	01-NO.
4. EXTERNAL HARD DISK	a. 500 – GB / with USB 2.0 or higher Interface b. 1-Terra Byte / with USB 20 or higher Interface	06-NOS. 06-NOS
5. CPU-TROLLEY	Cart with swivel casters for portability Easy storage. Computer-System Holder	
6. NETWORKING ITEMS	a. RJ-45 Crimping Tool b. Cloning Tool c. CAT-6 Cable / 3-Mtr. Long with RJ-45 d. RJ-45 Connectors For Cat-5 / CAT-6 Cable preparation	10- NOS 10- NOS 50- NOS 500- NOS.
7. IP BASED WEB CAM	DVR / IP-Based / Motorized HD resolution 1025 X 768 Min. Night Vision / 0 Lumens Wall Fixtures	LS
8. MICRO ATX COMPUTER CABINET	For Standard Motherboard fitment	06- NOS.
9. AUDIO SPEAKER CABLES	a. SPEAKER CABLE - HEAVY-DUTY 14 Gauge Speaker Cable with 1/4 Inch Stereo Phono Jack Professional high-quality connectors Appx. 10-Mtrs. Length b. SPEAKER CABLE 1.5 SQ. MM Pvc Coated / Transparent Professional high-quality / Max. Cond. Res. ~ 8.2 Ohms / Km. Fire Resistant	LS LS



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	Appx. 100 Metre Bundle	
	c. STEREO JACK SPLITTER CABLE 3.5mm stereo jack splitter, Gold plated connectors Splitter Adapter breaks the Audio Port Out into Two Distinct Ports Connectivity - iPod or other MP3 player PVC Jacket, Fully screened Appx. 20 Metre Length	LS
10. CCTV CABLE	3-Core Conductor / PVC Insulation Type-A Inner Conductor / Diameter - 0.80 mm (~20AWG) Dielectric – Gas injected physical Foam / Diameter - ~ 3.55 mm Shield – Bonded Aluminium Tape 1 st . Shield / Aluminium Alloy Braid 2 nd . Shield PVC Jacket – Appx. 5.5 mm Diameter Inner Conductor Resistance – Appx. 3.55 Ohms / Km. Capacitance – 50 pF / Metre Frequency Range – 55-MHz. to 1000-Mhz. Attenuation – 6.7 to 26.7 dB / 20 Metre	LS
11. LCD / LED/ PLASMA TV WALL MOUNT BRACKET	Wall Mount Bracket for LCD / LED / PLASMA TV Swivel Type Movable Wall Fixing / Stand	08- NOS
12. DIGITAL OPTICAL AUDIO / SPDIF	Slink Male Cable (Optic –Fibre Cable) 1 x Optical Toslink to Toslink Cable Able to handle DTS surround sound receivers & Dolby 5.1 6.1 AC3 Prologic etc Length – Min. 5-Metre	
13. WALL-MOUNT NETWORK RACK	12-U / 15-U / 17-U / 19-U Wall Mount Rack Front Door with Toughened Glass Removable front panels with locking provision Adjustable Mounting rails - Front and Back Top & Bottom cable Insertion provision 2 Fan Mounting provision Standing type and Wall Mounting provision with panel option Frame structure with max loading capacity should be min. up to 50-Kg. Compatible with 19" International standards	06- NOS
14. NETWORK RACK (FLOOR STANDING)	12-U / 15-U / 17-U / 19-U Floor Standing With Roller Front Door with Toughened Glass Removable front panels with locking provision	03- NOS



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	Adjustable Mounting rails - Front and Back Top & Bottom cable Insertion provision 2 Fan Mounting provision Standing type and Wall Mounting provision with panel option Frame structure with max loading capacity should be min. up to 50-Kg. Compatible with 19" International standards	
15. PATCH PANEL	24-Port Patch Panel Rack Mountable in 12-U / 15-U / 17-U / 19-U	06- NOS
16. HAMMER DRILL KIT	Lightweight Electric Drill Machine 13-MM, 550 Watt 1-Pc Hammer 12 Oz 1-Pc Cutter 1-Pc Regular Plier 152-mm 1-Pc Long Nose Plier 152-mm 8-Pc Hex Key :-6.35, 4.76, 3.97, 3.57, 3.17, 2.38, 1.98, 1.59 Mm 10-Pc Screw-Driving Bits 50-mm / SL:- 6, 8, 10 PH :- 1, 2, 3 6-Pc Combination Wrenches :-8, 10, 11, 13, 14, 16 Mm 6-Pc Masonry Drill Bits :- 13, 10, 8, 6, 5, 4 Mm 6-Pc HSS Twist Drill Bits :- 10, 8, 6, 5, 4, 3 Mm Side Handle And Depth Rod	03-SET
17. BOSCH IMPACT HAMMER DRILL	500-Watt Impact Hammer Drill Keyed chuck - 1pc Drill bit - masonry - 5 pcs - 4,5,6,8,10mm Drill bit - metal - 5 pcs - 2,3,4,5,6mm Drill bit - wood - 4 pcs - 4,5,6,8mm Claw hammer with rubber grip- 1pc Screw driver bit set - 10 pcs - PH1,PH2,PZ1,PZ2,S4,S6,H4,H5,T20,T25 Screw driver adapter magnetic - 1pc - to fit above bits with the machine Sockets - 7pcs - 4,5,6,7,8,9,10mm Nut driver adaptor 1/4' - 1 pc - to fit above sockets with the machine Measuring tape 3m - 1pc Combination (cutting) pliers 6' -1pc Adjustable wrench (spanner) - 6' 1pc Adjustable knife - 1' - 1pc Wall Screws - 3mm - 10pcs, 4mm - 10pcs, 5mm -10pcs Nylon wall Fixings - 4mm - 10pcs, 6mm - 10pcs, 8mm - 10pcs Sprite level - 3 directional - 1pc	02-SET

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18. NETWORKING TOOL KIT

RJ-11 / CAT-5 Cable Tester / Cable Crimper / Cable Punch

06-SET

CABLE CRIMPER

Portable Style With Perfect Shape.

The Mouth Of The Press-Pliers

Modular Plug In-Position & Press for Crimp.

Suitable For CAT-5 / CAT-5e / CAT-6 Cable With 8p-8c Plugs

Wire Stripper

CABLE TESTER:

Test Correspondingly Double-Twisted Cables 1, 2, 3, 4, 5, 6, 7, 8 And Ground

Capable To Judge Wrong Connection, Short Circuit And Open Circuit

Cable Tester For RJ-11, RJ-12, RJ-45, CAT-5e, CAT 5, 10/100 Base-T, AT&T 258 A, TIA-568 a / 568 b .etc

Clarify Cable, Continuity, Open And Short.

Verifying Cable Continuity, Open, Short And Cross Wire Pair Up To 1000-ft With Remote Kit.

Multiple LED Lights To Indicated Wiring Connection On Both Remote And Master Unit

Auto Scanning Function For Rapid Testing / Grounding Test

Build In Power Switch For Power Saving

Power Supply - 9V Battery

PUNCH DOWN IMPACT TOOL:

Blades Precisely Insert And Economically Trim Wire

Durable Punch Down Tool, Makes Network Installation All That Easy

Can Be Used On Shielded Or Unshielded Twisted Pair Cables To 110 / Keystone Jacks

Specially-Designed Wire Hook Removes Terminated Conductors

Blade To Remove The Blocks From Back Mount Frames

This Is A Punch-down Tool For Putting Wires Into Sockets, Patch Panels Or Outlets

Universal Scissors to Cut A Variety Of Cable Types (Including 20-AWG TO 26 AWG)

To Cut Type-1 Foam-Insulated Conductors

Tool For Terminates And Trims Wires With One Low-Impact Punch

19. ELECTRIC VACUUM BLOWER

Small & Compact for small jobs

Rubber Nozzle

Rated Voltage 220-230V

Rated Frequency 50/60 Hz

Rated Input Power 600-W

No. load Speed 1300-RPM

20. NETWORKING TOOL KIT

7 IN 1 CRIMPING TOOL CUM CABLE CUTTER-STRIPPER

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Cable Tester, Crimping Tool, Cable Cutter Stripper
7 In 1 Crimping Tool, 10M Internet Lan Cable
Multifunctional RJ-45 / RJ-11 / BNC Mini CAT-5 Network LAN Cable Tester Test keychain
Multifunctional: To Exam Connection Condition of RJ-45, RJ-11, BNC, USB cables.
LCD indicators showing working status / Quick and easily checks network cables.
Check open and short terminals / straight through or crossover wiring types.
Crimping Tool Cable Cutter & Stripper for RJ-45 / RJ-11 / 8P8C / 6P6C / 4P4C
Portable with the Perfect cutting shape
shhouldn't be damaged the sheller-wire
For 8P8C, 6P6C, 4P4C, RJ-45, RJ-11 & RJ-12 Connectors
Suitable for Network cables with RJ-45 and ADSL cable with RJ-11 connectors
3-:Rotary Coaxial Coax Cable Cutter Stripper Tool for RG-58 RG-6 RG-59 Lead Insulation
Shall be usable for stripping the insulation covering from Coax Cables. I
Double Bladed Rotary Action / Adjustable Cutting Lengths (4, 6, 8 &12-mm)
Includes Hex Key for size adjustment
Plastic coated handle for gripping comfortably.
Can be used as a cutter or wire stripper
Scale in mm & inch

21. ROTARY HAMMER

26-mm, 850-W / 220-230v AC operated
For Drilling & Chipping/Chiseling Applications
safety feature to prevent from sudden force in case of Drill Bit Jam/Re-Bar
For High Drilling Sp

02-SET

22. LUX / LIGHT METER

Accuracy $\pm 5.0\%$
Range 0 - 50, 000 LUX
Resolution 0-1,999lux 1 LUX , 2,000 - 19,999lux 10 lux, 20,000 - 50,000 lux 100lux
Sampling time ~ 0.4 second
Separate Light Sensor for convenient testing
Auto-Range / Auto Zero-Adjustment / Data-Hold Function
Large LCD / Big Digits / Low in power consumption
LSI-Circuit To High Reliability And Durability
Power Source 9v, (6F22 Batteries

03-SET

23. SOUND LEVEL METER

Accuracy ± 2 dB
Range Frequency: 31.5Hz~4kHz, Measuring: 40~130db
Resolution 0.1 dB
Temperature Operating: : -10~40° C, 14~104° F

06-SET



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Auto power	About 10 minutes idle off
Data hold	MAX and MIN
Backlit; Sound	OVER or UNDER display
Low battery indicator	
Software calibrating	
Power Source	1.5V (LR03 battery)

24. ELECTRIC JIG SAW:

Max Cutting Capacity	Wood.:- 55 mm
Steel	6 mm
Rated Voltage	230V / 50Hz
Rated Input Power	~ 600W
No Load Speed	~ 3000 RPM

02-SET



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