

Tender Document

PROCUREMENT

OF

IT EQUIPMENT



Punjab Thermal Power (Pvt.) Limited

1st Floor, 7/C-1, Gulberg-III, Lahore

Phone No.: 042-35750936-8

Fax No.: 042-3570939



PUNJAB THERMAL POWER (PVT.) LTD.

First Floor, 7-C-1, Gulberg III, Lahore.

BIDDING DOCUMENTS / TORS FOR PROCUREMENT OF “IT EQUIPMENT” FOR PUNJAB THERMAL POWER (PVT.) LIMITED (“PTPL”)

Tender Price: - Rs.500/-
(Nonrefundable)

Receipt No: - _____

Dated: - _____

Opening date: - _____

C.D.R # _____

Name of firm: - _____

Address: - _____

Phone No: - _____ N.T.N No. _____

G.S.T. Registration No: - _____

Sr. No.	Description of Item	Quantity	Rate Per Unit	Total Amount (Pak Rupees)
1	Laptop Ci7	08 Nos		
2	Laptop Ci5	08 Nos		
3	Laptop Ci3	12 Nos		
4	Network Switch	01 No.		
5	Wireless Access Point	01 No.		
6	Photo Copier	01 No.		

Note:

- Rate given in the tenders must be inclusive of all government taxes.
- Rate must be given on this tender Performa otherwise tender will not be entertained.
- No tender shall be entertained without **Rs. 70,000/-** earnest money of the bid in shape of CDR.
- Other conditions are attached.

**Manager Administration
Punjab Thermal Power (Pvt.) Limited**



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1. Firms/Bidders having NTN number and GST registration are eligible to participate in the tender.
2. Bank Draft/Call Deposit of **Rs. 70,000/-** as earnest money / bid security in favor of “Punjab Thermal Power Pvt. Limited” (PTPL) must be enclosed with the consolidated sealed Tender/Quotation.
3. Only those persons/firms can participate which are authorized distributor/dealer or reseller of authorized distributor/dealer of the items. Bidders are required to attach necessary documentary proof in this regard, otherwise bids will not be entertained.
4. An affidavit by authorized representative on stamp paper that the bidder is never blacklisted by any Government Department.
5. The procurement procedure shall be **Single Stage Single Envelope** as per Punjab Procurement Rules 2014. This procurement will be governed by the Punjab Procurement Rules, 2014 which may be downloaded from the website www.ppra.punjab.gov.pk.
6. The bidder should have an office in Lahore and requisite resources are available in the city for purchase to cater for all the after-sales support. Attach necessary documentary evidence in this regard, otherwise bids will not be entertained.
7. Bidders will have to supply the items as per the specifications attached with TORs.
8. No downward deviation from the required specifications of items will be acceptable.
9. Rate quoted in bids must be valid for 45 days from bid submission deadline.
10. Incomplete tenders will not be accepted and over writing, if any, on the tender should be certified / verified by the firms.
11. Rate will be accepted on the basis of total lowest cost / items wise lowest cost.
12. The vender will be responsible to supply the items in PTPL head office at his own cost and complete in all respect as per specifications by PTPL.
13. The PTPL reserves the right to reject all bids any time prior to the acceptance of the bid.
14. The scope of work includes the supply of the items, configuration and installation as specified at the table herein below.
15. The items will be provided ex-stock on immediate basis after the award of Purchase Order.
16. Bids should be submitted in Pak Rupees only, inclusive of all taxes.
17. Taxes will be deducted as per applicable laws.
18. An authorized representative / committee of the Punjab Thermal Power Project will inspect the equipment within one week of supply. Any discrepancies found during inspection must be removed within 03 working days by the supplier.



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19. Payment will be made after the clearance by the PTPL's representative to verify conformance of the item(s) with the specifications herein.
20. 10% payment will be held for warranty claim of the of the equipment, till the lapse of warranty period.
21. Successful bidder shall close the warranty claim within mentioned time for all components, including replacement of whole unit.
22. In case of International Warranties, the local authorized dealer should mention their services and warranty setup, detail of qualified engineers, etc.
23. All the accessories including Cables, Adapters, stands etc. must be included in the Price, no additional charges will be paid.
24. Warranty/License period will be commenced from the date of acceptance of the relevant equipment(s) or license(s) to the Procurement Agency.
25. Technical Evaluation carried out by the Evaluation Committee formulated by Procuring Agency, shall be final.
26. Manufacturer / Contractor will guarantee the availability of spare parts and accessories for the system during Warranty period and onwards.
27. Software and Hardware upgradation of the equipment should be carried out as available during warranty period as recommended by the manufacturer.
28. Successful bidder will be allowed a maximum of 48 hours' downtime for all components in warranty claim including replacement of whole unit.
29. The bidder/successful bidder shall have all other necessary government licenses, permits etc. as required under the applicable laws and keep PTPL indemnified against consequences any such non-conformity.
30. In case of bidder is a company or firm/partnership, the bid should be submitted by authorized representative along with letter of authorization on letterhead in this regard.



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1. Laptop Ci7 (Quantity: 08 units)

Minimum specifications are given below.

Item	Description of Requirement
Operating System	Windows 10 Pro 64 bit
Processor	Intel® Core™ i7-7500U or above
RAM	8 GB DDR4 or above
Hard Drive	1 TB SATA or above
Graphics Card	NVIDIA GeForce 950M 2GB
Security chip	fTPM 2.0: Firmware TPM 2.0, integrated in chipset
Optical Drive	Super Multi Drive (DVDRW)
Display	15.6-inch HD Anti-Glare LED Black
Input/ Output Ports	2 x USB 3.0 1 x USB 2.0 (Always on) 1 x HDMI 1 x VGA 1 x RJ45 Gigabit Ethernet 1 x Combo Audio/Microphone Jack 1 x 4 in 1 Media Card Reader (SD, MMC, SDHC, SDXC)
Other Mandatory Features	Dual noise-cancelling microphones
	Full-sized and spill-resistant Keyboard (UK English) with numeric pad and TrackPoint pointing device
	Web Cam HD720p
	Bluetooth 4.1
	WLAN AC
Battery	4 cells
Charger	Charger 45W_3PIN_UK
Carrying Case	Original Branded
Warranty	1 Year or above Local Authorized Distributer Warranty Warranty includes Parts, Labor, Onsite support with next business day response.

2. Laptop Ci5 (Quantity: 08 units)

Minimum specifications are given below.

Item	Description of Requirement
Operating System	Windows 10 Pro 64 bit
Processor	Intel® Core™ i5-7200U or above
RAM	4 GB DDR4 or above
Hard Drive	500GB 7200RPM SATA or above
Security chip	fTPM 2.0: Firmware TPM 2.0, integrated in chipset
Optical Drive	Super Multi Drive (DVDRW)
Display	15.6-inch HD Anti-Glare LED Black



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Input/ Output Ports	2 x USB 3.0 1 x USB 2.0 (Always on) 1 x HDMI 1 x VGA 1 x RJ45 Gigabit Ethernet 1 x Combo Audio/Microphone Jack 1 x 4 in 1 Media Card Reader (SD, MMC, SDHC, SDXC)
Other Mandatory Features	Dual noise-cancelling microphones
	Full-sized and spill-resistant Keyboard (UK English) with numeric pad and TrackPoint pointing device
	Web Cam HD720p
	Bluetooth 4.1
	WLAN AC
Battery	4 cells
Charger	Charger 45W_3PIN_UK
Carrying Case	Original Branded
Warranty	1 Year or above Local Authorized Distributer Warranty Warranty includes Parts, Labor, Onsite support with next business day response.

3. Laptop Ci3 (Quantity: 12 units)

Minimum specifications are given below.

Item	Description of Requirement
Operating System	Windows 10 Pro 64 bit
Processor	Intel® Core™ i3-6006U or above
RAM	4 GB DDR4 or above
Hard Drive	500GB 7200RPM SATA or above
Security chip	fTPM 2.0: Firmware TPM 2.0, integrated in chipset
Optical Drive	Super Multi Drive (DVDRW)
Display	15.6-inch HD Anti-Glare LED Black
Input/ Output Ports	2 x USB 3.0 1 x USB 2.0 (Always on) 1 x HDMI 1 x VGA 1 x RJ45 Gigabit Ethernet 1 x Combo Audio/Microphone Jack 1 x 4 in 1 Media Card Reader (SD, MMC, SDHC, SDXC)
Other Mandatory Features	Dual noise-cancelling microphones
	Full-sized and spill-resistant Keyboard (UK English) with numeric pad and TrackPoint pointing device
	Web Cam HD720p
	Bluetooth 4.1
	WLAN AC
Battery	4 cells
Charger	Charger 45W_3PIN_UK



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Carrying Case	Original Branded
Warranty	1 Year or above Local Authorized Distributer Warranty Warranty includes Parts, Labor, Onsite support with next business day response.

4. Network Switch (Quantity: 01 unit)

Minimum specifications are given below.

Items / Description of Requirement
24 x 10/100/1000 PoE Ports
02 x Fixed SFP Ports
PoE Power Budget should be at least 360W or more
The switch should support redundant power supply
All ports should be 802.3at compliant (PoE+)
Support for advanced layer-2+ features with basic layer-3 routing for both IPv4 and IPv6
Full configuration and reporting using SNMP 1/2/3 to facilitate third party NMS integration
Support for static routing for IPv4 and IPv6
Support for RIP v1,v2 and RIPng
Up to 256 IPv4 and 128 IPv6 static and RIP routes
Up to 128 IPv4 and 16 IPv6 interfaces
Switching Capacity 120 Gb/s at least
Forwarding Rate 90 Mp/s at least
Fully managed with CLI and GUI
Switch must have stacking capabilities
At least 3 years' complete warranty (Warranty Certificate from manufacturer in the name of end user)

5. Wireless Access Point (Quantity: 01 unit)

Minimum specifications are given below.

Item	Description of Requirement
Ethernet Ports	2 auto MDX, auto-sensing 10/100/1000 Mbps, RJ-45, 1x POE port
Lock Options	Hidden latching mechanism Kensington Lock Hole T-bar Torx Bracket (902-0108-0000) Torx screw & padlock
Environmental Conditions	Operating Temperature: 0°C - 40°C Operating Humidity: 10% - 95% non-condensing
Power Draw	Idle: 2.3W Typical: 5.3W Peak: 12W
Capacity	
Concurrent Stations	Up to 500 clients per AP



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Simultaneous VoIP Clients	Up to 30
RF	
Antenna	Adaptive antenna that provides up to 1000+ unique antenna patterns per radio
Antenna Elements	Full omnidirectional polarization diversity
Physical Antenna Gain	18
Beamflex* SINR TX Gain	Up to 3 dBi
Beamflex* SINR RX Gain	Up to 6 dB
	3-5 dB (PD-MRC)
Interference Mitigation	Up to 15 dB
Minimum RX Sensitivity	Up to -100 dBm
Management	
Deployment Options	Standalone (individually managed) Managed by ZoneDirector Managed by SmartZone Managed by FlexMaster Managed by SmartCell™ Gateway 200
Configuration	Web User Interface (HTTP/S) CLI (Telnet/SSH), SNMP v1, 2, 3 TR-069 vis FlexMaster
Auto AP Software Updates	FTP or TFTP, remote auto available
Wi-Fi	
Standards	IEEE 802.11a/b/g/n/ac 2.4GHz and 5GHz
Maximum PHY Rate	1300 Mbps (5GHz), 450 Mbps (2.4 GHz)
Supported Data Rates	802.11n/ac: 6.5Mbps – 260Mbps (20MHz) 13.5Mbps – 600Mbps (40MHz) 29.3Mbps – 1300Mbps (80MHz) 802.11a: 54, 48, 36, 24, 18, 12, 9 and 6Mbps 802.11b: 11, 5.5, 2 and 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
Radio Chains	3x3
Spatial Streams	3
RF Power Output (Aggregate)	27 dBm for 2.4GHz† 27 dBm for 5GHz†
Channelization	20MHz, 40MHz, 80MHz
Frequency Band	IEEE 802.11 b/g/n: 2.4 – 2.484 GHz IEEE 802.11a/ac: 5.15 – 5.25 GHz; 5.25 – 5.35 GHz; 5.47 – 5.725 GHz; 5.725 – 5.85 GHz
Operating Channels	US/Canada: 1-11, Europe (ETSI X30): 1-13, Japan X41: 1-13 5 GHz channels: Country dependent
Power Save	Supported
Wireless Security	WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i



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	Authentication via 802.1X with the ZoneDirector, local authentication database, support for RADIUS, LDAP, and ActiveDirectory
Certifications**	U.S., Europe, Australia, Brazil, Canada, Chile, China, Colombia, Costa Rica, Hong Kong, India, Indonesia, Israel, Japan, Korea, Malaysia, Mexico, New Zealand, Peru, Philippines, Saudi Arabia, Singapore, South Africa, Taiwan, Thailand, UAE, Vietnam WEEE/RoHS compliance EN-60601-1-2 (Medical) Wi-Fi Alliance EN50121-1 Railway EMC EN50121-4 Railway Immunity IEC 61373 Railway Shock 5GHz UNII-1 (2014)
Warranty	2 Year or above Local Authorized Distributer Warranty Warranty includes Parts, Labor, Onsite support with next business day response.

6. Photo Copier (Quantity: 01 unit)

Minimum specifications are given below.

Item	Description of Requirement
Copy Process	Indirect Electrostatic Photographic Method (Dry Process)
Type	Laser Electrostatic
Print & Copy Speed	50 ppm (A4), 25 ppm (A3)
Warm-up Time	20 seconds
Paper Size & Weight	Cassettes: A5R-A3, 60-220 gsm Bypass: A5R-A3, 52-220 gsm
Paper Capacity	2x 500 sheets (Cassettes), 1x 100 sheets (Bypass)
Inner Output Tray	500-sheet capacity
Automatic Duplex	A5R-A3, 60-256 gsm
Control Panel	Multi-Touch Colour Panel
Memory	Secure HDD 320 GB, 4 GB RAM
Interface	10Base-T/100Base-TX/1000Base-T, High Speed USB 2.0, WLAN (IEEE802.11b/g/n), Bluetooth, Wi-Fi Direct
Print	
Resolution	2,400 x 600 dpi (with smoothing), 1,200 x 1,200 dpi (2 bit, PostScript driver), 3,600 x 1,200 dpi (PostScript driver with smoothing)
Page Description Language	PCL5e, PCL5c, PCL6 (PCL XL), XPS and PostScript 3 compatible
Supported Systems	Windows 10/8/7/Vista/Server 2008 (32/64 bit), Windows Server 2012/Server 2008 R2 (64 bit), Mac OS X 10.6.8-10.11, Linux/Unix, Citrix, Novell NetWare (NDPS), SAP, AS/400
Network Protocols	TCP/IP (IPv4/IPv6), IPX/SPX, EtherTalk, NetBios over TCP/IP



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Mobile Printing	AirPrint, Mopria Print Service, e-BRIDGE Print & Capture, Google Cloud Print etc
Print Functions	Universal Printer Driver, Driver Templates, Driver plug-ins ²), Print from USB, Hold print, Tandem printing
Scan	
Resolution	600 x 600 dpi
Scan Speed	Dual Scan Document Feeder: (DADF) 200 ipm (300 dpi) in colour and monochrome
Scan Modes	Auto-Colour (ACS), Colour, Greyscale, Monochrome
File Formats	JPEG, Multi/Single Page TIFF/XPS/PDF, SecurePDF, Slim PDF, Searchable PDF (and other formats like DOCX, XLSX, RTF, TXT, PDF/A)
Scan Functions	WS Scan, Scan to USB, Scan to E-Mail, Scan to File (SMB, FTP, FTPS, IPX/SPX, Local), Meta Scan, OCR Scan, Scan to Box, WIA, TWAIN
Copy	
Resolution	Print: 2,400 x 600 dpi with smoothing
First Copy Output Time	3.8 seconds
Zoom	25-400% (Platen), 25-200% (Feeder)
Copy Modes	Text, Text/Photo, Photo, Custom
Copy Functions	Electronic Sort, Rotate Sort, Edge Erase, 2-in-1 / 4-in-1 mode
Trolley/Stand	Standard
Warranty	2 Year or above Local Authorized Distributer Warranty Warranty includes Parts, Labor, Onsite support with next business day response.