

भारतीय प्रौद्योगिकी संस्थान रोपड़

INDIAN INSTITUTE OF TECHNOLOGY ROPAR

नंगल रोड, रूपनगर, पंजाब-140001/Nangal Road, Rupnagar, Punjab-140001

Ph. 06283549684, e-mail: purchase@iitrpr.ac.in



Tender for Computer Hardware on Lease/Rent



भारतीय प्रौद्योगिकी संस्थान रोपड़
INDIAN INSTITUTE OF TECHNOLOGY ROPAR
नंगल रोड, रूपनगर, पंजाब-140001/Nangal Road, Rupnagar, Punjab-140001
Ph. 06283549684, e-mail: purchase@iitrpr.ac.in

(Tender Notice No.136 /2018)

Sealed tenders are invited for “Providing Computer Hardware & Accessories on Lease/Rent” for Indian Institute of Technology Ropar, Punjab as per details given in the tender document. For details and tender document please visit tender link of the institute website www.iitrpr.ac.in/tenders.

Registrar



भारतीय प्रौद्योगिकी संस्थान रोपड़
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No. 1240-18/AD-Com Rent/PS/

Dated 22.02.2019

1. Tender No	1240-18/AD-Com Rent/PS/
2. Type of Tender	Two Bid System
3. Closing Date and time of Bid submission	19.03.2019 upto 3:30 PM
4. Technical Bid Opening Date & Time	19.03.2019 upto 3:30 PM
5. Bid Validity	120 Days from opening of Technical Bid.
6. Tender Fee (Demand Draft) to be submitted along with the bid by bidder	Rs.1,180/(Incl GST) -(Rupees One Thousand One Hundred & Eighty Only) in the form of Demand Draft in favor of "IIT Ropar Revenue Account" payable at Ropar
7. EMD Fee (Demand Draft) to be submitted along with the bid by bidder	Rs.1,00,000/- (Rupees One Lakh Only) in the form of Demand Draft in favor of "IIT Ropar Revenue Account" payable at Ropar
8. Correspondence Address	Addressed to "The Registrar" IIT Ropar on the following address: The Deputy Registrar (S&P), Utility Block, Indian Institute of Technology Ropar, Birla Farms, Permanent Campus, Rupnagar - 140111

Offers are invited from interested Manufacturers/Suppliers/Vendors/ Dealers for providing Computer Hardware on Lease/Rent as per **"Annexure-A"**.

Eligibility Criteria for the bidder:

The eligibility criteria for bidders are as follows:

1. Individual Company should be registered in India under Companies Act 1956. The bidder must attach a Copy of certificate of Registration.
2. The bidder should have minimum 3 years of experience as closing date of the tender in the area of Hardware Supply/on lease/rent. The bidder must attach a copy of the work order received.
3. The bidder should have average annual turnover of Rs.50,00,000.00 (Rupees Fifty Lacs only) in last 2 financial years i.e. 2016-17 & 2017-18. The bidder must attach copy of audited Balance Sheet and Profit & Loss statement. In case, Balance Sheet and Profit & Loss statement for the F.Y. 2017-18 is under finalisation, the bidder may submit unaudited accounts along with certificate of the registered qualified Chartered Accountant for justifying annual turnover.

4. The bidder should have successfully completed at least 3 work orders in last three years. Submit Client Completion Certificate for these projects indicating number of items supplied under lease/rent and total value of the order for each project.
5. The bidder should have to attach the technical literature or proof for the model/product quoted with technical bid.
6. The bidder should not have been blacklisted by any government authority in India.
7. Manufacturers/Suppliers/Vendors/Dealers should submit their quotes duly filled in indicating rates of different items latest by **19.03.2019 up to 3:00 PM**. The Offers will be opened on **19.03.2019 at 3:30 PM** in the presence of representative of Manufacturers/Suppliers/Vendors/Dealers present at that time.

General Conditions

1. The rate contract will be valid **for one year**. The rates quoted for partial validity period would not be considered. As per the requirement, the rate contract can be further extended for more years on mutual consent.
2. The address for submission of sealed tender/quotation is as under.
The Deputy Registrar
Utility Block, IIT Ropar, Permanent Campus,
Birla Farms, Rupnagar – 140111
3. The filled sealed tender/quotations as described herein should reach Indian Institute of Technology Ropar by the last date and time of submission as indicated above. The tenders/quotations received beyond the stipulated time would not be considered. Further, Indian Institute of Technology Ropar would not be liable for any delay occurred due to courier/messenger/post for submission of the quotations. The onus lies on the bidder to ensure the submission within stipulated date and time.
4. Submit your offer as follows:

Envelope – 1	: Sealed envelope <u>Containing Demand Draft for Tender Fee & EMD</u> and Other Documents as indicated in this tender document.
Envelope – 2	: Sealed envelope <u>Containing Financial Offer dully signed and stamped on Company's Letter Head</u> in the given format.
Envelope – 3	: Main Sealed envelope containing above two Sealed envelopes super scribed as <u>"Tender for Computer Hardware on Lease/ Rent"</u>
5. Quotations received without Tender Fee, EMD, Certificate, other required documents and/or the quotes on the letter head would be treated as rejected and would not be considered for further evaluation.
6. Selected Manufacturers/Suppliers/Venders/Dealers have to provide the required number of Computer Hardware on Lease/Rent within **1 week** of issuance of work order. However, any additional items required by Indian Institute of Technology Ropar will be supplied urgently as instructed by official of **Indian** Institute of Technology Ropar.
7. L1 Party will be decided based on Grand Total Amount per month and Grand Total Amount per year. There may be two different L1 party depending on Grand Total amount per month and Grand Total amount per year. Indian Institute of Technology Ropar will empanel both L1 parties in respective category and award work for short period or monthly basis as per the requirement and at sole discretion of Indian Institute of Technology Ropar .
8. The order for Computer Hardware on Lease/Rent may split for various items amongst the bidders at the L1 rate, if required, at the sole discretion of Indian Institute of Technology Ropar.

9. A Tender Fee – Non Refundable of **Rs. 1,180/-** (Rupees One Thousand One Hundred & Eighty only) by demand draft in favour of IIT Ropar Revenue Account, payable at Ropar should be submitted along with the quotation. In absence of Tender Fee, the offer will not be considered.
10. An Earnest Money Deposit (EMD) of Rs.1,00,000/- (Rupees One Lakh only) by demand draft in favour of IIT Ropar Revenue Account, payable at Ropar should be submitted along with the quotation. In absence of EMD, the offer will not be considered. The EMD of the party, whose rates are approved, shall be adjusted towards the security deposit for the entire Contract Period. There would be no interest payable on the EMD.
11. The bidder should preferably have at least 20 Technical Staff as on 1st April, 2018 on its payroll. The certificate from bidder's HR department must be attached.
12. The bidder should preferably have office either at Ropar, Chandigarh, Mohali, Panchkula, Ludhiana. The bidder must attach latest copy of either Telephone Bill/Electricity Bill/Property Tax Bill etc. as proof of their office in abovesaid locations.
13. The quantities and specifications indicated are only indicative and may vary significantly at the time of final order placed.
14. The party should give the approved items as per the rates approved to IIT Ropar as per the quantity as and when required. The items should be brand new and if at any stage found to be defective or unserviceable the party should exchange the same with another new one.
15. The institute reserves the right to return any of the items ordered if found defective or malfunctioning within 15 days of supply and installation and no rental/lease amount will be paid for such items. If the item is reported as defective and not replaced within a week time, Institute reserves the right to impose penalty of 10% of rental for every 15 days of delay.
16. If the party does not provide the material as per the specification and/or within the stipulated time, the supplier would be treated as defaulter and would be liable to forfeit the EMD/Security Deposit and damages/losses caused and such parties shall not be considered for any future requirements of Indian Institute of Technology Ropar. In such case, Indian Institute of Technology Ropar will be free to award the work to next lowest parties as per mutual discussion.
17. The hike in price will only be considered to the extent of the rates increased in terms of Govt. levies/taxes declared and/or implemented by Central/State Governments/local municipality (applicable if any) during the currency of the contract. The same will however be considered, only if the party produces the authentic documents.
18. Repeat orders will be placed as and when required. The materials should be given within the specified time as mentioned in the purchase order.
19. Rates quoted should be inclusive of delivery charges at Ropar locations and shall include all taxes & levies, octroi, if applicable. These levies, however, may be shown separately in the tender. The details of locations and computer hardware requirement will be intimated at the time of requirement by Indian Institute of Technology Ropar.
20. The competent authority reserves the right to accept or reject any or all tenders in full or part without assigning any reasons thereof.
21. Change(s) in any of the terms and conditions by bidder stipulated in the tender shall not be acceptable to Indian Institute of Technology Ropar.
22. In case of any dispute arising in relation to interpretation of any of the terms and conditions of the contract in tender in part/full, the decision of Director, Indian Institute of Technology Ropar shall be final and binding to all.
23. The competent authority reserves the right to terminate the contract at any point of time during the currency of the contract, if any of the above terms and conditions is found to have been violated.
24. Conditional acceptance would not be considered as an acceptance.

25. The party has to offer rates for all items. Tender with rates not offered for all items shall be liable for rejection.
26. The party will be responsible for arranging safety of the material supplied on Rent at various sites.
27. The party will submit bill at the end of the period along with the signature of Official deputed at various locations for the items placed at that location.
28. Any corrections/alterations in the offer must be signed by authorised signatory.
29. If work order is awarded on Monthly Basis and the actual usage is less than 15 days in a calendar month the payment will be made for 15 days and actual usage is more than 15 days in a calendar month than the payment will be made for full month.
30. The party will agree that their personnel will at all times comply with all security regulations in effect from time to time at Indian Institute of Technology Ropar premises and externally for materials belonging to Indian Institute of Technology Ropar .
31. During the performance of the contract, if the person(s) of the successful bidder meet with any accident which results into the death or minor/major injuries or any damage made to the Third Party and any claim or legal penalties arise out of it will be responsibility of the successful bidder only. Indian Institute of Technology Ropar will not be responsible for the same in any case/way.
28. The successful bidder shall keep sufficient spares and repairing equipments to provide prompt services at any defined location/s.
29. Adequate coverage of Insurance shall be the responsibility of the successful bidder, who shall provide coverage for all items, against transit risks, incidental to acquisition, transport and delivery of equipment upto the destination.
30. In case of damage or loss in transit upto destination it shall be the responsibility of the successful bidder to initiate and pursue the claim with insurance company.

(Registrar)

(To be provided on the company's letterhead)

DECLARATION OF NOT BLACKLISTED

Date : <<dd-mm-yyyy>>

To,

The Registrar

Utility Block, IIT Ropar, Permanent Campus,

Birla Farms, Rupnagar - 140111

Reference : <<Tender Name>>, <<Tender Date>>.

Dear Sir,

With reference to the tender “<<Tender Name>>”, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>> certify that, our Company <<Name of the bidder>> is not blacklisted by any Government Authority/Institution of India.

Signature : _____

(Affix
Seal)

Name : _____

Designation : _____

Name of the Company : _____

Date : ____ / ____ / ____ .

Place : _____ .

(To be provided on the company's letterhead)

Date : ____ / ____ / ____ .

CERTIFICATE

I/We, _____ the undersigned of M/s
_____ designated as Director/Proprietor/
Partner/Agent/Officer/Representative(s) has/have carefully gone through the terms and conditions of
Tender for Computer Hardware on Lease/Rent and with the best of my/our knowledge, I/we have
quoted the price for providing Computer Hardware on Lease/Rent. The above terms and conditions
are acceptable to me/us and shall be binding on me/us during the currency of the contract, in case the
contract is awarded to me/us.

Signature : 

(Affix Seal)

Name : _____

Designation : _____

Name of the Company : _____

Date : ____ / ____ / ____ .

Place : _____ .

Technical Specifications for Computer Hardware on Rent.**A) Desktop Computers**

Category-1		
Sr. No.	Specifications	
1	Operating system	optional
2	Processor	Intel® Core™ i3-8100 with Intel® UHD Graphics 630 (3.60 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)
3		Motherboard: OEM Motherboard with OEM logo embossed on the motherboard.
4	Chipset	Intel® H370 or better.
5	Form factor	Microtower
6	Ethernet	Integrated Intel Gigabite (10/100/1000 NIC) LAN
7	Memory	4 GB DDR4(4X1), expandable to 8GB
8	Memory slots	2 DIMM
9	Hard drive description	1 TB 7200 rpm SATA
10	Monitor	23.8 inch or bigger(high resolution monitor)(Same make as PC)
11	Ports	audio-in=1; audio-out=1; HDMI=1; microphone-in=1; serial=1;VGA=1; min USB 3.1=1; min USB 2.0=2; parallel=1; PS/2=1, RJ-45 network connector=1
12	Keyboard/Mouse	USB keyboard (Same make as PC) & USB scroll mouse (Same make as PC)
13	Expansion slots	PCI/PCIe x1 =1;PCIe x16=1; 2 M.2=1
14	Security management	Lock slot; Trusted Platform Module TPM 2.0 Embedded Security Chip
15	Warranty and Services	3 Years Warrnaty and Onsite Support
16	Information Accessibility	Product details, specifications and brochure to be available in public domain. Support: Drivers should be available for download from OEM site for at least 3 years from the date of purchase order.

Category-2		
Sr. No.	Specifications	
1	Operating system	optional
2	Processor	Intel® Core™ i5-8400 (2.8 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores)
3	Processor family	8th Generation Intel® Core™ i5 processor
4	Chipset	Intel® H370
5	Memory	8 GB DDR4 (1 x 8 GB),expandable to 32GB
6	Memory slots	4
7	Hard drive description	2 TB 7200 rpm SATA
8	Graphics	Intel® UHD Graphics 630
9	Ports	1 headphone/microphone combo; 1 USB 3.1 Type-C™ Gen 2; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2
10		2 USB 2.0; 4 USB 3.0; 1 audio-in; 1 audio-out; 1 microphone-in

11	Monitor	23.8 inch or bigger(high resolution monitor)(Same make as PC
12	Expansion slots	1 PCIe x16; 2 M.2; 1 PCIe x4; 2 PCIe x1
13	Video connectors	1 DVI; 1 HDMI; 3 DisplayPort™
14	Network interface	Integrated 10/100/1000 GbE LAN
15	Keyboard/Mouse	USB keyboard (Same make as PC) & USB scroll mouse (Same make as PC
16	Wireless	optional(802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 M.2 combo)
17	Warranty and Services	3 Years Warrnaty and Onsite Support
18	Information Accessibility	Product details, specifications and brochure to be available in public domain. Support: Drivers should be available for download from OEM site for at least 3 years from the date of purchase order.

Category-3	
Sr. No.	Specifications
1	Processor: Intel® 8th Generation Core i7-8700 6 Core CPU with minimum base frequency of 3.2 GHz, 12MB or better.
2	Chipset: Intel Q370 chipset or better.
3	Motherboard: OEM Motherboard with OEM logo empossed on the motherboard.
4	Memory: 8 GB DDR4 RAM expandable to 64GB; Four DIMM slots; Non-ECC dual-channel upto 2666 MT/s DDR4 SDRAM,
5	Hard disk drive: 1 TB, 7200 RPM HDD or better
6	Optical Drive: 8X DVD Writer.
7	Graphics: NVEDIA 2 GB GRAPHICS CARD
8	Audio: High Definition Integrated Audio with Internal Speaker in chassis.
9	Ethernet: Integrated Intel Gigabite (10/100/1000 NIC) LAN & inbuilt wifi.
10	Slots: Minimum 3 PCI/PCIe Slots (1xPCIex1 & 1 x PCIex16, 1 PCIex4), & 2 M.2 PCIe x1).
11	Bays: Minimum 3 bays with atleast (2) 3.5" Drive bays & (1) ODD bay.
12	Ports: Minimum 8 USB Ports (4 USB 3.1 Gen 1 & 4 USB 2.0) & atleast 1 USB Type C Ports{(1) VGA video port; (2) DisplayPort/DVI-D Port, (1) RJ-45 network connector, (1) Universal Audio jack in front, (1) one headphone jack in front, (1) PS/2 ports}.
14	Power Supply: Must be compatible with single or 3 phase Indian power supply.
15	Monitor: 23.8 inch or bigger(high resolution monitor)(Same make as PC
16	Keyboard/Mouse: USB keyboard (Same make as PC) & USB scroll mouse (Same make as PC
	Operating System: optional
17	Security: TPM 2.0 Security Chip,Support for RAID, SATA port disablement (via BIOS), Serial, parallel, USB enable/disable (via BIOS), Removable media write/boot control, Power-On password (via BIOS), Administrator password (via BIOS), Setup password (via BIOS), Support for chassis padlocks and cable lock devices.

19	Information Accessibility: Product details, specifications and brochure to be available in public domain. Support: Drivers should be available for download from OEM site for at least 3 years from the date of purchase order.
21	Warranty: 3 Years onsite.

B) Laptop

	Category-1	
1	Operating system	Windows 10 Pro 64 – Preinstalled
2	Processor	Intel® Core™ i5-8250U
3	Processor family	8th Generation Intel® Core™ i5 processor
4	Memory	
5	Memory	8 GB DDR4 (1 x 8 GB). Expandable up to 32 GB
6	Storage	
7	Hard drive description	1 TB 5400 rpm SATA
8	Storage type	HDD
9	Display and graphics	
10	Display	15.6" (1366 x 768)
11	Graphics	2 GB (optional)
12	Expansion features	
13	Ports	1 RJ-45; min 2 USB 3.1; min 1 HDMI
14	Communications	
15	Network interface	Integrated 10/100/1000 GbE
16	Wireless	Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo
17	Energy Efficiency Compliance	ENERGY STAR® certified
18	Warranty and Services	
19	Warranty	1 Yr Onsite Warranty, With Bag

	Category-2	
1	Operating system	Windows 10 Pro 64 – Preinstalled
2	Processor	Intel® Core i7 8550U
3	Processor family	8th Generation Intel® Core™ i7 processor
4	Memory	
5	Memory	8 GB DDR4 (1 x 8 GB). Expandable up to 32 GB
6	Storage	
7	Hard drive description	1 TB 7200 rpm SATA
8	Storage type	HDD
9	Display and graphics	
10	Display	15.6 Inches, Resol 1920x1080
11	Graphics	2 GB
12	Expansion features	
13	Ports	min 1 HDMI; 1 RJ-45; min 2 USB 3.1
14	Communications	
15	Network interface	Integrated 10/100/1000 GbE
16	Wireless	Intel® Dual Band Wireless-AC 7265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.0 Combo

17	Energy Efficiency Compliance	ENERGY STAR® certified
18	Warranty	1 Yr Onsite Warranty, With Bag

C) Printer

Category-1		
	Feature	Category-1 (A4 Size)
1	Functions	Print, copy, scan and Fax
2	Print Technology	Laser
3	Print Resolution	1,200 x 1,200 dpi equivalent
4	Print Speed	Up to 27 ppm
5	Duplex Printing	Automatic (Standard)
6	ADF	Yes (35 sheet)
7	Memory	512MB
8	Duty Cycle	Up to 15,000 pages
9	Input tray	250-sheet input tray, 35-sheet Automatic Document Feeder (ADF)
10	Connectivity	USB 2.0 HiSpeed, Wi-Fi 802.11b/g/n, 10/100 BASE-T Ethernet, Direct Connection
11	Extra	Canon PRINT Business, Canon Print Service, Google Cloud Print™, Apple AirPrint™, Mopria® Print Service
12	Warranty	1 year onsite warranty from OEM
Category-2		
	Feature	Category-2 (A4 Size)
1	Functions	Print, copy, scan and Fax
2	Print Technology	Laser
3	Print Resolution	600 x 600dpi
4	Print Speed	Up to 27 ppm
5	Duplex Printing	Automatic (Standard)
6	ADF	Yes (35 sheet)
7	Memory	512MB
8	Duty Cycle	Up to 15,000 pages
9	Input tray	250-sheet input tray, 35-sheet Automatic Document Feeder (ADF)

10	Connectivity	Hi Speed USB 2.0 and 10 / 100 Base-T Ethernet
11	Extra	Canon PRINT Business, Canon Print Service, Google Cloud Print™, Apple AirPrint™, Mopria® Print Service
12	Warranty	1 year onsite warranty from OEM

Category-3		
	Feature	Category-3 (A4 Size)
1	Functions	Print, copy, scan and Fax
2	Print Technology	Laser
3	Print Resolution	Up to 600 x 600 dpi
4	Print Speed	Up to 25 ppm
5	Duplex Printing	Automatic (Standard)
6	ADF	Yes (35 sheet)
7	Memory	256 MB
8	Duty Cycle	Up to 30,000 pages
9	Input tray	250-sheet input tray, 10-sheet priority tray, 35-sheet Automatic Document Feeder (ADF)
10	Connectivity	Hi Speed USB 2.0 and Standard (built-in Ethernet, WiFi 802.11b/g/n)
11	Extra	HP ePrint capability & Mobile printing capability
12	Warranty	1 year onsite warranty from OEM

Category-4		
	Feature	Category-4 (A4 Size)
1	Functions	Print, copy, scan
2	Print Technology	Laser
3	Print Resolution	Up to 600 x 600 dpi
4	Print Speed	Up to 20 ppm
5	Duplex Printing	No
6	ADF	No
7	Memory	128 MB

8	Duty Cycle	Up to 8000 pages
9	Input tray	150-sheet input tray
10	Connectivity	Hi Speed USB 2.0 and Standard (built-in Ethernet, WiFi 802.11b/g/n)
11	Extra	HP ePrint capability & Mobile printing capability
12	Warranty	1 year onsite warranty from OEM

	Category-5	
	Category-5(Heavy Duty Printer)	
1	Functions	Print, copy, scan Support Multitasking
2	Printing specifications	Duty cycle (monthly, A4) Up to 200,000 pages Recommended monthly page volume 5000 to 20,000 Print Resolution Up to 1200 x 1200 dpi Print languages PCL 6, PCL 5, postscript level 3 emulation, PDF 1.4
3	Print technology	Laser
4	Display	touch screen LCD (color graphics) rotating (adjustable angle) display illuminated Home button (for quick return to the Home menu)
5	Processor speed	Minimum 800 MHz or higher
6	Connectivity	ePrint capability
7	Wireless capability	Optional, enabled with purchase of a hardware accessory
8	Connectivity, standard	2 Hi-Speed USB 2.0 Host 1 Hi-Speed USB 2.0 Device 1 Gigabit Ethernet 10/100/1000T network 1 Foreign Interface 1 Hardware Integration Pocket 2 Internal USB Host
9	Network ready	Standard (built-in Gigabit Ethernet)
10	Compatible operating systems	Windows 10, Windows 8, Windows 7, Mac OS X 10.6, OS X Lion, OS X Mountain Lion and Linux
11	Memory specifications	Minimum 1 GB
	Memory specifications	Internal Storage Standard, embedded High-Performance Secure Hard Disk, minimum

		320 GB
		AES 256 hardware encryption or greater
		Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)
12	Paper handling	Paper handling input, standard
		100-sheet multipurpose tray, two 250-sheet input trays
		Paper handling input, optional
		Optional 500-sheet input tray
		optional 1 x 500-sheet paper feeder with cabinet and stand
		optional 3 x 500-sheet paper feeder with stand
		optional 3500-sheet high capacity input tray with stand
		Paper handling output, standard
		250-sheet output bin
		Maximum output capacity (sheets)
		Up to 250 sheets
		Duplex printing
		Automatic (standard)
		Media sizes supported
		· A3
		· A4
		· A5
		· B4 (JIS)
		· B5 (JIS)
		Media types
		Paper (color, letterhead, light, plain, preprinted, prepunched, recycled, rough, tough paper), bond, cardstock, envelope, labels, transparency, vellum
13	Scanner specifications	Scanner type
		Flatbed, ADF
		Scan file format
		PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
		Scan resolution, optical
		Up to 600 dpi
		Scan size, maximum
		297 x 420 mm
		Scan size (ADF), maximum
		297 x 420 mm
		Scan size (ADF), minimum
		68 x 148 mm
		Scan speed (normal, A4)
		Up to 50 ppm (black and white), up to 30 ppm (color)
		Recommended monthly scan volume
		6250 to 10,500
		Duplex ADF scanning
		Yes, reversing ADF
		Automatic document feeder capacity
		Standard, 100 sheets
		Digital sending standard features

		· Scan to e-mail
		· Save-to-Network Folder
		· Save-to-USB drive
		· Send to FTP
		· Local Address Book
		· SMTP over SSL
		File Format Supported
		Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
		Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
		Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
		Scan input modes
		Copy, scan to e-mail, scan to network folder, scan to USB, save to device memory, Open Extensibility Platform (OXF) applications
14	Copier specifications	Copy speed : Up to 41 cpm
		Copy resolution (black text)
		600 x 600 dpi
		Copy reduce / enlarge settings
		25 to 400%
		Copies, maximum
		Up to 9999 copies
		Fax specifications
15	Faxing	Optional
16	Energy efficiency	ENERGY STAR® qualified, CECP, EPEAT® Silver
17	Warranty	3 Years Onsite Hardware Support and Defective Media Retention
18	Information Accessibility	Product details, specifications and brochure to be available in public domain. Support: Drivers should be available for download from OEM site for at least 3 years from the date of purchase order.

D) UPS

	Category -1	
1	Feature / Model	10KVA Online UPS Systems
2	Topology	Double Conversion-Online- Single Phase Input/output, True online UPS, With Full Digital Signal Processing , Software Compatible Double Conversion with LCD Panel & Pure Sine wave O/P with high frequency switching. IGBT Inverter & IGBT Rectifier
3	Output	
	Power Factor	0.9
	Output Power Capacity	9000 Watts
	Output Voltage	230 V (configurable for 220,230,240V output voltage)
	Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal, 50/60 Hz +/-1 Hz, 50/60Hz +/- 3 Hz
	Efficiency @ Full Load	not less than 94%
	Output Connections	1 Hard wire 3 wire (HN+G)
4	Input	
	Nominal Input Voltage	230 V
	Input Voltage window	156-280 VAC, Single phase
	Input Voltage Adjustable Range	100-280V
	Input Frequency window	40-70 Hz (autosensing)
5	Bypass	Should be with Automatic Inbuilt Bypass
	Input Connections	Hard Wire 3 wire (1PH+N+G), Hard Wire 5-wire (3PH + N + G)
6	Remote Control Description	WEB SNMP
7	Battery Bank	
	Battery Type	Sealed Maintenance Free- Lead Acid Battery with suspended Electrolyte (Leak Proof)
	Battery Make	Exide / Quanta/Rocket
	Backup Duration	>=60 minutes
	Charging Current	Charging Current should not be less than 13 Amps
	Input Power Factor	>0.99
8	Surge Protection & Filtering	
	Surge Energy Rating	420 Joules
	Filtering	Full-time multi pole noise filtering:0.3% IEEE Surge Let through : Zero Clamping response time: Meets UL 1449.
9	Communications & Management	
	Interface ports	DB-9 RS-232, SmartSlot, USB
	Control Panel	LCD display with load & Battery Bar Graph & On-line : On battery : Replace Battery
	Management Software	UPS Should be with Automatic shut down software.
	Parallel Capability	UPS should be capable to connect in 1+1 redundant mode
	SNMP Card	UPS Should be with SNMP card Slot.
	Audible Alarms	Alarm when on battery, Distinctive low battery alarm, Overload Continuous tone alarm
	Regulatory Approvals	ROHS Compliance, UL1449 Compliance, ISO Certified
	Environmental Conditions	
	Protection Class	IP 20
	Operating Temperature	0-40C
	Operating Relative Humidity	0-95%

10	Information Accessibility	Product details, specifications and brochure to be available in public domain.
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	Category-2	
	6KVA Online UPS Systems	
	Specifications for 6 KVA Online UPS	
1	Topology	Double Conversion-Online- Single Phase Input/output, True online UPS, With Full Digital Signal Processing , Software Compatible Double Conversion with LCD Panel & Pure Sine wave O/P with high frequency switching. IGBT Inverter & IGBT Rectifier
2	Output	
	Power Factor	0.9
	Output Power Capacity	5400 Watts
	Output Voltage	230 V (configurable for 220,230,240 output voltage)
	Output Voltage Distortion	Less than 5%
	Output Frequency	50-60Hz +/- 3Hz
	Efficiency @ Full Load	not less than 94%
	Output Connections	1 Hard wire 3 wire (HN+G)
3	Input	
	Nominal Input Voltage	230 V
	Input Voltage window	156-280 VAC, Single phase
	Input Voltage Adjustable Range	100-280V
	Input Frequency window	40-70 Hz (autosensing)
	Bypass	Should be with Automatic Inbuilt Bypass
4	Remote Control Description	WEB SNMP
5	Battery Bank	
	Battery Type	Sealed Maintenance Free- Lead Acid Battery with suspended Electrolyte (Leak Proof)
	Battery Make	Exide / Quanta/Rocket
	Backup Duration	>=60 minutes
	Charging Current	Charging Current should not be less than 6.5 Amps
	Input Power Factor	>0.99
6	Surge Protection & Filtering	
	Surge Energy Rating	420 Joules
	Filtering	Full-time multi pole noise filtering:0.3%IEEE Surge Let through : Zero Clamping response time: Meets UL 1449.
7	Communications & Management	
	Interface ports	DB-9 RS-232, SmartSlot, USB
	Control Panel	LCD display with load & Battery Bar Graph & On-line : On battery : Replace Battery
	Management Software	UPS Should be with Automatic shut down software.
	Parallel Capability	UPS should be capable to connect in 1+1 Parallel redundant mode
	Audible Alarms	Alarm when on battery, Distinctive low battery alarm, Overload Continuous tone alarm
	Regulatory Approvals	EN60950,EN/IEC 62040-2, ROHS Compliance, UL1449 Compliance.

8	Information Accessibility	Product details, specifications and brochure to be available in public domain.
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	Category-3	
	2KVA UPS with Inbuilt Batteries and wall mounting accessories	
1	Output Power Capacity	1400 Watts / 2000 VA
	Max Configurable Power (Watts)	1400 Watts / 2000 VA
	Nominal Output Voltage	230V
	Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
	Output Voltage Distortion	Less than 3%
	Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
	Other Output Voltages	220, 240V
	Crest Factor	Double Conversion Online
	Waveform Type	Sine wave
	Output Connections	(1) Hard Wire 3-wire (H N + G) (Battery Backup) , (8) IEC 320 C13 (Battery Backup)
2	Bypass	Built-in Bypass
3	Input	
	Nominal Input Voltage	230V
	Input Frequency	50/60 Hz +/- 5 Hz (auto sensing)
	Input Connections	IEC-320 C20
	Input voltage range for main operations	160 - 280 V
	Input voltage adjustable range for mains operation	100 - 280V
	Other Input Voltages	220 , 240
	Batteries & Runtime	
	Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leak proof
	Included Battery Modules	1
	Battery Slots Empty	1
	Backup Duration	>=15 minutes
4	Communications & Management	
	Interface Port(s)	DB-9 RS-232, SmartSlot, USB
	Available Smart Slot™ Interface Quantity	1
	Control panel	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : Overload and Bypass Indicators
	Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
5	Surge Protection and Filtering	
	Surge energy rating	420 joules
	Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449
	Data Line Protection	RJ-45 Modem/Fax protection (four wire dual line)
6	Environmental	

	Operating Environment	0 - 40 °C
	Operating Relative Humidity	0 - 95 %
	Operating Elevation	0-3000 meters
7	Storage Temperature	
	Storage Relative Humidity	0 - 95 %
	Storage Elevation	0-15000 meters
	Audible noise at 1 meter from surface of unit	55.000 dB
	Online Thermal Dissipation	652.000 BTU/hr
	Conformance	EN 60950 , EN/IEC 62040-2
8	Information Accessibility	Product details, specifications and brochure to be available in public domain.

***Onsite Warranty: 3 years warranty on UPS(s) and 2 years warranty on batteries**

***Preventive maintenance visit twice in a year**

Commercial Bid

S.No.	Item Name	Brand/Make	Model	Lease/Rent Per month (Rs.)	Lease/ Rent Yearly (Rs.)
01.	Desktop Computers				
1	Category -1 as per specifications				
2	Category -2 as per specifications				
3	Category -3 as per specifications				
02	Laptop				
S.No.	Item Name	Brand/Make	Model	Lease/Rent Per month (Rs.)	Lease/ Rent Yearly (Rs.)
1	Category -1 as per specifications				
2	Category -2 as per specifications				
03.	Printers				
S.No.	Item Name	Brand/Make	Model	Lease/Rent Per month (Rs.)	Lease/ Rent Yearly (Rs.)
1	Category -1 as per specifications				
2	Category -2 as per specifications				
3	Category -3 as per specifications				
4	Category -4 as per specifications				
5	Category -5 as per specifications				
04.	UPS				
S.No.	Item Name	Brand/Make	Model	Lease/Rent Per month (Rs.)	Lease/ Rent Yearly (Rs.)
1	Category -1 as per specifications				
2	Category -2 as per specifications				
3	Category -3 as per specifications				

(Rates should be quoted Inclusive of GST i.e. Final Price to IIT Ropar)