

Technical specification and requirement

Ref. Tender No.: AYCL-AG/Capital/2016/01

1) COMPUTER: DESKTOP

OS	
Operating system	Free DOS 2.0
PROCESSOR	
Processor	Intel® Core™ i5-4590S with Intel HD Graphics 4600 (3 GHz, 6 MB cache, 4 cores)
Chipset	Intel® H81 Express
MEMORY	
Memory, standard	4 GB DDR3-1600 SDRAM (1 x 4 GB)
STORAGE	
Hard drive description	500 GB 7200 rpm SATA
GRAPHICS	
Graphics	Intel® HD Graphics 4600
Graphics	Integrated
CONNECTIVITY	
Network interface	Integrated 10/100/1000 GbE network connection
PORTS/SLOTS	
Ports	2 USB 2.0; 1 microphone; 1 headphone

Ports	4 USB 2.0; 2 USB 3.0; 1 audio line in; 1 audio line out; 1 DVI-D; 1 VGA; 1 RJ-45; 2 PS/2 (keyboard and mouse)
INPUT	
Pointing device	HP USB Mouse
Keyboard	HP USB Keyboard
POWER	
Power	180 W standard efficiency, active PFC
SECURITY	
Security management	Trusted Platform Module (TPM) 1.2; Security cable slot
MACHINE DIMENSIONS & WEIGHT	
Weight	7.05 kg
Minimum dimensions (W x D x H)	16.5 x 35.5 x 35.88 cm
WARRANTY	
Warranty	3-year (3-3-3) limited warranty and service offering includes 3 years of parts, labor and on-site repair.

Requirement :

- Basmatia T. E. - 1 No.
- Hoolungooree T. E. - 1 No.
- Murphulani T. E. - 1 No.

2) **PRINTER: DOT MATRIX**

Specification	Description
General Specifications	

Printer Type	DMP
Number Of Pins	9
Number Of Print Columns	80
Number Of Paper Paths	Top Friction, Rear Push Tractor
Printing Colour	Black
Print Method	Serial impact dot matrix
Printer Dimensions	430 mm X 315 mm X 158 mm
Weight	6.1 kg (Approx.)
Printer Body Colours	Black
Manufacturer Warranty	2 Years warranty
Printing Performance	
Print Direction	Bi-directional with logic seeking in text and graphics
Print Speed - Draft 10 Cpi	300
Print Speed - Draft 12 Cpi	350
Print Speed	250
Print Speed	300
Print Speed - Draft 15 Cpi	375
Print Speed - NLQ 10 Cpi	63

Print Speed - NLQ 12 Cpi	75
Fonts Supported	Draft, Roman, Sans Serif, Script
Pitches Supported	10,12,15 and 17 cpi in Draft 10,12 cpi in NLQ
Line Spacing	6,8 LPI
Page Length Settings	3, 3.67, 4, 6, 7, 8, 11,12 & 14 Inches
Indian Language Printing	no
Paper Handling Features	
Paper Feed - Cut Sheet	Top Friction
Paper Feed - Continuous	Convertible Push-Pull Tractor
Media Sizes Supported	Yes
Custom Media Sizes Supported	Yes
Cut Sheet Paper Width	182 mm (7.2") - 216 mm (8.5")
Continuous Paper Width	101 mm (4.0") - 254 mm (10.0")
Paper Thickness	0.06 mm -0.32 mm
Number Of Copies	Original + 3
Built-In Functions	
Preventive Maintenance Reminder (PMR)	Yes
True Auto Load For Friction / Tractor	Yes

True Auto Tear Off	Yes
Quiet Mode	no
Online Micro Adjust	yes
Buffer Clear	Yes
Font / Pitch Lock	yes
User Defined Page Lengths Through Driver Utility	yes
Offline Microfeed	Yes
Auto Loading	Yes
Paper Parking	Yes
Short tear off	Yes
AutoShare	Yes
End of job indication	Yes
Page count	no
Dual Tractors	no
Top of form setting	Yes
Printer Configuration Utility	Yes
Pitch & Font lock through printer settings	Yes
Auto installer feature for Windows	Yes

Micro Feed Lock	Yes
Connectivity, Drivers And Emulations	
Interface - Parallel	Yes (Centronics Parallel)
Interface - Serial	Yes (RS-232 Serial)
Interface - USB	Yes (USB 2.0 Interfaces with AutoShare TM)
Input Buffer	64 KB
Printer Drivers	Win 9X, NT, 2000, 2003, ME, XP & Vista, DOS* & Linux**
Printer Emulation	ESC/P & IBM
Power And Operating Conditions	
Input Voltage	150- 270 V AC
Frequency	47.0 Hz -53 Hz
Power Consumption - Stand-By (Idle)	6W
Power Consumption - Operating Mode	42W
Operating Temperature	5°C to 45° C
Operating Humidity	20% - 80% RH-NC
Safety And Reliability	
MTBF	10,000 POH (Power On Hours) @25% duty cycle

Life Of Printhead	300 million dots/pin
Life Of Ribbon Cartridge	3 Million
Noise Level	55 dB (under standard test conditions on ISO 7779 test pattern)
EMI	CISPR Class A (compliance only)

Requirement : Khowang T. E. - 1 No.
 Basmatia T. E. - 1 No.

3) Laser Printer (Mono):

Print speed black:

Normal: Up to 14 ppm
 Up to 600 x 600 dpi (1200 dpi effective output)

Duty cycle (monthly, A4)

Up to 5000 pages
 Recommended monthly page volume

250 to 2000
 Print technology

- Laser
Processor speed
- 234 MHz
Print languages
- Host-based printing

Connectivity

HP ePrint capability

- No
Connectivity, standard
- Hi-Speed USB 2.0 port
Network ready
- None
Minimum system requirements

- Windows 2000, Windows XP Home or Windows XP Professional, 90 MHz Pentium, 120 MB free hard disk space (10 MB minimum install), 1 GHz processor, 512 MB RAM (Windows Vista(TM) Ready, check User's Guide for minimum hard drive space), CD-ROM drive, USB port (compatible with USB 2.0 specifications)
Compatible operating systems

Windows 2000
Windows XP Home
Windows XP Professional

Memory specifications

Memory, standard

2 MB

Maximum memory

2 MB

Paper handling

Paper handling input, standard

- 150-sheet input tray, single-sheet priority feed slot
Paper handling output, standard
- 100-sheet face-down bin
Maximum output capacity (sheets)
- Up to 100 sheets
Duplex printing
- Manual (driver support provided)
Media sizes supported
- A4, A5, A6, B5, C5, DL, postcards
Media sizes, custom
- Main tray: 147 x 211 to 216 x 356 mm
- input slot: 76 x 127 to 216 x 356 mm
Media types
- Paper (laser, plain, photo), envelopes, labels, cardstock, transparencies, postcards

Power and operating requirements

Power

- Input voltage 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz), 3.5 amps
- 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz), 2 amps
Energy efficiency
- ENERGY STAR® qualified
Operating temperature range
- 10 to 32.5° C
Operating humidity range
- 20 to 80% RH
Acoustic power emissions (ready)

Inaudible
Acoustic pressure emissions bystander (active, printing)

49 dB(A)

Dimensions and weight

Minimum dimensions (W x D x H)

370 x 242 x 209 mm

Weight

5 kg

What's included

Warranty

- 1 Year Next Business Day Exchange Support

Requirement :

Rajgarh T. E.	-	1 No.
Tinkong T. E.	-	1 No.
Murphulani T. E.	-	1 No.

4) DeskJet/InkJet Printer:

General	
Printer Type	Inkjet

Print Head	Mono:	Piezo with 210 nozzles × 1
	Colour:	Piezo with 70 nozzles × 3
Memory Capacity		64 MB
LCD (Liquid Crystal Display)		16 characters × 1 line
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Power Source		AC 220 to 240V 50/60Hz
Power Consumption	Copying Mode:	Approx. 16 W
	Ready Mode:	Approx. 3 W
	Sleep Mode:	Approx. 1.1 W
	Off:	Approx. 0.4 W
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Dimensions (W x D x H)		435 mm x 374 mm x 161 mm
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Weight		7.1 kg
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Noise Level	Sound Pressure	
	Operating:	50 dB(A) (Maximum)
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Temperature	Operating:	10 to 35 ° C
	Best Print Quality:	20 to 33 ° C
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Humidity	Operating:	20 to 80% (without condensation)
	Best Print	20 to 80% (without condensation)

Quality:	
ADF (automatic document feeder) (DCP-T700W only)	Up to 20 pages Paper: 80 gsm A4 or Letter size
Document Size	ADF Width: 148 mm to 215.9 mm
	ADF Length: 148 mm to 355.6 mm
	Scanner Glass Width: Max. 215.9 mm
	Scanner Glass Length: Max. 297 mm
Print media	
Paper Input	Paper Tray
	Paper type: Plain Paper, Inkjet Paper (coated paper) and Glossy Paper
	Paper size: A4, Legal, Executive, Letter, JIS B5, A5, A6, Envelopes (Com-10, DL, C5, Monarch), Photo (10 × 15 cm), Photo 2L (13 × 18 cm) and Index Card (127 × 203 mm)
	Width: 98 mm - 215.9 mm
	Length: 148 mm - 355.6 mm
	Maximum paper tray capacity: Approx. 100 sheets of 80 gsm plain paper
Paper Output	Up to 50 sheets of 80 gsm plain paper (face up print delivery to the output paper tray)
Copy	
Colour/Monochrome	Yes/Yes
Copy Width	204 mm
Multiple Copies	Stacks/Sorts up to 99 pages

Enlarge/Reduce		25% to 400% (in increments of 1%)
Resolution		Prints up to 1200 × 2400 dpi
Scanner		
Colour/Monochrome		Yes/Yes
TWAIN Compliant		Yes (Windows® XP/Windows Vista® /Windows® 7/Windows® 8) (Mac OS X v10.7.5 / 10.8.x /10.9.x)
WIA Compliant		Yes (Windows® XP/Windows Vista® /Windows® 7/Windows® 8)
ICA Compliant		Yes (Mac OS X v10.7.5 / 10.8.x /10.9.x)
Colour Depth		30 bit colour Processing (Input) 24 bit colour Processing (Output) / 256 levels per colour
Greyscale		10 bit colour Processing (Input) 8 bit colour Processing (Output) / 256 levels per colour
Resolution		Up to 19200 × 19200 dpi (interpolated) Up to 1200 × 2400 dpi (optical) (Scanner Glass) Up to 1200 × 600 dpi (optical) (ADF) (DCP-T700W only)
Scanning Width and Length	(Scanner Glass)	Width: Up to 213.9 mm Length: Up to 295 mm
Printer		
Resolution		Up to 1200 × 6000 dpi

Printing Width	204 mm [210 mm (borderless)]				
Borderless	A4, Letter, A6, Photo (10 × 15 cm), Index Card (127 × 203 mm), Photo 2L (13 × 18 cm)				
Interfaces					
USB	A USB 2.0 interface cable that is no longer than 2 m.				
Wireless LAN (DCP-T500W and DCP-T700W only)	IEEE 802.11b/g/n (Infrastructure/Ad-hoc Mode)				
Network (DCP-T500W and DCP-T700W)					
Wireless Network Security	SSID (32 characters), WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES)				
Wireless Setup Support Utility	<table border="0"> <tr> <td>AOSS™</td> <td>Yes</td> </tr> <tr> <td>WPS</td> <td>Yes</td> </tr> </table>	AOSS™	Yes	WPS	Yes
AOSS™	Yes				
WPS	Yes				

Requirement	:	Bhamun T.E..	-	1 No.
		Rajgarh T. E.	-	1 No.
		Tinkong T. E.	-	1 No.
		Basmatia T. E.	-	1 No.

5) **UPS:**

Capacity	
Capacity	1 Kva LI
Input	
Range / Frequency(50Hz+5%)	135~300V AC / 50Hz+5%
Output	
Voltage / Transfer Time	230V ± 9% AC / <6ms
Regulator on Mains / Regulator on	Automatic Voltage Regulation / Pulse Width

Battery	Modulation
Protection	
Unit Input / Noise	Fuse Protection / Noise Filter
Short Circuit (Line) / Short Circuit (Inverter)	Fuse Protection / Pulse to Pulse Electronic active Protection
Battery	
Rating	7.2Ah * 2 (In Built)
Type / Recharge Time	SMF / 2~8 Hrs. (depending on the status of Battery)
Alarm	
Battery Backup (Sound beeping)	Per 8 sec. (Approx.)
Battery Low	Sound beeping long
LED Display	
Green	Mains mode operation / AVR Working
Red	Inverter output from battery/Overload/Battery bad/Battery Low
Physical	
Size (L x W x H)	340 x 130 x 195mm
Weight (Approx.):	13Kg.
Environment	
Operating Temperature / Rel. Humidity	0°C ~ 48°C ; 32°F ~ 120°F / 0 to 90% non-condensing
Noise	
Audible Noise level	<35dB, distance 1 meter from UPS

Back Up Time Chart			
1 PC	40 to 50 Minutes		
2 PC	15 to 25 Minutes		
3 PC	7 to 12 Minutes		

Requirement :

Khowang T. E. - 1 No.
 Bhamun O. G. - 1 No.
 Hingrijan O. G. - 1 No.
 Rajgarh T. E. - 1 Nos.
 Basmatia T. E. - 1 No.
 Tinkong T.E. - 1 no

 Murphulani T. E. - 2 Nos.

Annexure – IV

ANDREW YULE & COMPANY LIMITED

Tea Division

Price Sheet for Computer

Ref. Tender No.: AYCL-AG/Capital/2016/01

Sl. No.	Description of item	Unit	Basic price of equipment complete including packing & forwarding charges, Excise Duty, Edu Cess etc, if any	VAT/ Sales Tax at Concessional rate against Decl. Form	Charges towards installation / commissioning at site including service tax	Unit Site Cost	Contract Price
		No.	Rs.	Rs.	Rs.	Rs.	Rs.
1	Computer Desktop (as per specification mention in Annexure-)	3					
2	DMP 9pin 80 column	2					

3	Laser Printer	3					
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4	Deskjet Printer	4					
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5	UPS 1 KVA LI	8					
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