



No. 1536 /156/2017-2018/Budget-V

Dated: 7 -04-2017.

ORDERS

Sub: Osmania University – Procurement of Computers, Servers, Printers, and Peripherals, through Centralized Purchase System Under Rate Contract – Orders – Issued.

Ref: 1. Univ. Orders No.2072/156/2015-2016/Budget-V, Dt. 11-05-2015.
2. Note Dt. 31-03-2017, of the Director, (IS), O.U.

Through the University Orders 1st cited, sanction was communicated for procurement of Computers, Servers, Workstation & Peripherals at the Revised Rate Contract Prices, under Centralized purchase system with a validity period of Three Months, and the validity period of Rate Contract was extended from time to time till the finalization of New Rate Contract Prices by the Tender Committee.

2. Due to variation in the rates of Computers and Peripherals over a period of time, the Tender Committee which met on 31-01-2017, has resolved to call fresh Tenders from different firms and authorized the Director, Infrastructure, O.U., to initiate process of calling Tenders, duly following the procedure.

3. Accordingly, the Director, Infrastructure, O.U., has invited fresh Tenders from the authorized dealers. The Tender Committee at its meeting held on 20-02-2017, after prolonged negotiations and compiling the rates quoted by different firms had finalized and recommended to approve the Rates of the following firms for Rate Contract Prices for the supply of Computers / Laptops / Servers / Printers / Scanners and Peripherals.

- i) **M/s Microcare Computers Pvt. Ltd, Hyderabad.**
- ii) **M/s Gowra Bits & Bytes, Secunderabad.**
- iii) **M/s Lantimes Technologies, Hyderabad.**
- iv) **M/s X-print Solutions, Hyderabad.**
- v) **M/s Ascent e-Digital Solutions (P) Ltd., Secunderabad.**
- vi) **M/s Shupraja Batteries, Hyderabad.**
- vii) **M/s Parity Systems Pvt. Ltd., Secunderabad.**
- viii) **M/s Sai Technologies, Hyderabad.**
- ix) **M/s Akshara Enterprises, Hyderabad.**

4. In view of the above, the Vice-Chancellor in anticipation of the approval of the Finance Committee and Executive Council, has accorded approval for the recommendations of the Tender Committee for the purchase of Computers / Laptops / Servers / Printers / Scanners and Peripherals through Centralized Purchase System at the New Rate Contract Prices from the firms as indicated in **(Annexures - I to III)**, appended to these orders.

5. The validity period of New Rate Contract Prices initially will be for a period of One Year, **with effect from the date of issue of these orders**, and to extend the Rate Contract period, if the Rates in the market continues to be the same.

Contd.2

6. The Rate Contract prices of Desktop Systems are for DOS Operating System only. The Licensed Software of Microsoft operating system, Microsoft License / Antivirus Software will be provided by the University under the Osmania University Agreement, on collection of a sum of ₹ 5,000 (Rupees five thousand only) from the end user on purchases of each new Computers / Servers / Laptop / Voice Tab / Workstation etc.
7. The Director, Infrastructure, O.U, shall be responsible for the collection of ₹ 5,000 per P.C. from the new purchasers and remit the amount into the O.U. Fund Account, in favour of the Registrar, O.U. He will arrange to issue a receipt for the payment received towards providing Microsoft Licenses Operating Systems, M.S. Office and Antivirus Software etc.
8. The Principals / Heads of Departments / Directors / Principal Investigators and all other Administrative Officers of the University who are intending to procure the Computers and its peripherals, Work Stations and Servers are required to follow the procedure indicated in the Annexure – IV to these orders.
9. With regard to peripherals not covered under rate contract, the normal procedure for procurement, by obtaining quotations may be followed.


REGISTRAR

Forwarded for information and necessary action to:-

1. All the Principals of Campus & Constituent Colleges / Heads of Departments / Directors / Deans and other Administrative Officers, O.U.
2. The Dean, Development & UGC Affairs, O.U.
3. The Director, Infrastructure, O.U.
4. The Joint Registrar, Administration, O.U.
5. The Deputy Registrar, Accounts, (Pre-Audit), O.U.
6. The Deputy Registrar, Accounts, O.U. i) Treasury ii) Compilation iii) Income Cell
7. The Assistant Registrar (Non-UGC), O.U.
8. The Secretary to Vice-Chancellor, O.U.
9. The P.A to Registrar / OSD to Vice-Chancellor, O.U.
10. The Superintendent (Budget), O.U – Sanction file for the year **2017-2018**.

ANNEXURE - I

O.U ORDER NO : 1536/ 156 /2017-18/Bud-V, Dt 07-04- 2017

Approved Rate Contract Prices (incl. of All Taxes) for Laptops/Desktops/workstations/Servers/Printers/Scanners/UPS/Copier etc

Item No	Discriptions of the Item	M/s. Micro Care Computers Pvt Ltd, Hyderabad		M/s. Gowra Bits & Bytes, Secunderabad				M/s. Parity Systems Pvt Ltd. Secunderabad		M/s. Sai Technologies, Hyderabad		M/s. Ascent e-Digital Solutiions (P) Ltd, Secunderabad		M/s. Akshara Enterprises, Hyderabad		M/s. Lan Time Technologies, Hyderabad		M/s. Supraja Battries, Hyderabad		M/s. X-Print Solutions, Hyderabad			
		Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)
		HP		Dell		Lenovo		Dell		Lenovo		Acer											
101	TAB	HP X2210 Tab	35256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
102	Laptop i3- 7 Th Generation	HP 440 ProBook	43492	Vostro 3000	39500	G 5000 Think Pad	41,500	-	-	-	-	TMP249-G2-M	32682	-	-	-	-	-	-	-	-	-	
103	Laptop i5- 7 Th Generation	HP 440 ProBook	53714	Vostro 3000	50980	-	-	-	-	E470 Think Pad	50750	TMP249-G2-M	37649	-	-	-	-	-	-	-	-	-	
104	Laptop i7- 7 Th Generation	HP 440 ProBook	68694	Vostro 3000	74500	-	-	-	-	E470 Think Pad	60000	TMP249-G2-M	49523	-	-	-	-	-	-	-	-	-	
105	Desktop -i3 6th Generation	HP 280 G2	31458	Optiplex 3046	35480	-	-	-	-	TCM700	33000	Veriton M 2640G	31832	-	-	-	-	-	-	-	-	-	
106	Desktop -i5 6th Generation	HP 280 G2	36951	Optiplex 3046	43200	-	-	-	-	TCM700	39900	Veriton M 2640G	39734	-	-	-	-	-	-	-	-	-	
107	Desktop -i7 6th Generation	HP 280 G2	51666	-	-	-	-	7040 MT	64032	TCM900	56500	Veriton M 6640G	57987	-	-	-	-	-	-	-	-	-	
108	Workstation	HP Z 238	108128	Precision 3620	88900	TS P310	89,000	-	-	-	-	Veriton P130	106737	-	-	-	-	-	-	-	-	-	
109	Tower Server	HPE ML 350 G9	306350	-	-	-	-	T630	347580	Lenovo TD350	375000	-	-	-	-	-	-	-	-	-	-	-	
110	Rak Server	HPE DL20 G9	87350	R230	109500	TS150	95000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
111	Rak Server	HPE DL380G9	397350	-	-	-	-	R730	368942	Lenovo X3650	445000	-	-	-	-	-	-	-	-	-	-	-	
112	Rak Server	HPE DL 380G9	532350	-	-	-	-	R730	565536	Lenovo X3650	675000	-	-	-	-	-	-	-	-	-	-	-	
113	Rak Server	HPE DL 580G9	1497350	R930	2150000	-	-	-	-	Lenovo X3850	2065000	-	-	-	-	-	-	-	-	-	-	-	
114	Printer	HP LJ 1020 +	9432	-	-	-	-	-	-	Konika Pro 1500W	5200	Samsung M2826ND	11,559	Canon LBP 6030b	6792	-	-	-	-	-	-	-	
115	Printer	HP LJ Pro MFP M132A	11678	-	-	-	-	-	-	Brother DCB 1601	9900	Samsung M2876ND	16420	Canon MF3010B	10631	-	-	-	-	-	-	-	
116	Printer	HP LJ Pro MFP M132FW	20098	-	-	-	-	Cannon Mf 237W	17705	Brother MFCL 2701Tw	19500	Samsung SL- M2870Fw	15340	-	-	-	-	-	-	-	-	-	
117	Printer	HP LJ Pro MFP M227SDN	23349	-	-	-	-	Cannon MF 249 Dw	29712	Brother MFCL 2701Tw	19500	Samsung SL- M3870FW	33380	-	-	-	-	-	-	-	-	-	
118	Color Printer	HP LJ CP1025NW	21302	-	-	-	-	Cannon LBP 7680cx	77616	Brother ML3150 CDN	19500	Samsung CLP- 680ND	24911	-	-	-	-	-	-	-	-	-	
119	All in one Printer	HP Mono LJ Pro MFP M226DW	29229	-	-	-	-	Cannon MF 249dw	29712	Brother MFC 2701Dw	19900	Samsung SL- M3870FW	33380	-	-	-	-	-	-	-	-	-	
120	Copier - I	HP LJ Pro MFP M435 NW	71467	-	-	-	-	-	-	Konika 164	40000	Samsung SL- K4350LX	213691	-	-	Toshiba E studio 3508	189788	-	-	Xerox WC 5330 / 5335	1,41,750 / 1,45,950		
121	Copier - II	HP LJ ENT MFP 527 DN	138302	-	-	-	-	Canon IRAVD 4245	417795	-	-	-	-	-	-	Toshiba E studio 4508	253051	-	-	Xerox WC 5945	2,88,750		

Sd/-
DIRECTOR (IS)Sd/-
REGISTRAR

ANNEXURE - I

O.U ORDER NO : 1536/ 156 /2017-18/Bud-V, Dt 07-04- 2017

Approved Rate Contract Prices (incl. of All Taxes) for Laptops/Desktops/workstations/Servers/Printers/Scanners/UPS/Copier etc

Item No	Discriptions of the Item	M/s. Mircro Care Computers Pvt Ltd, Hyderabad		M/s. Gowra Bits & Bytes, Secunderabad				M/s. Parity Systems Pvt Ltd. Secunderabad		M/s. Sai Technologies, Hyderabad		M/s. Ascent e-Digital Soluitons (P) Ltd, Secunderabad		M/s. Akshara Enterprises, Hyderabad		M/s. Lan Time Technologies, Hyderabad		M/s. Supraja Battries, Hyderabad		M/s. X-Print Solutions, Hyderabad	
		Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)
122	Scanner -I	HP Scan Jet 200	4333	-	-	-	-	Epson V19	4488	-	-	Canon - LIDE 120	3511	-	-	-	-	-	-	-	-
123	Scanner -II	HP Scan Jet Pro 2500F1	28540	-	-	-	-	-	-	Epson GT1500	19500	-	-	-	-	-	-	-	-	-	-
124	DOT Matrix Printer - I	TVSE 250 Gold	10350	-	-	-	-	-	-	Epson LX310	8800	-	-	-	-	-	-	-	-	-	-
125	DOT Matrix Printer -II	TVSE 245 Gold	12650	-	-	-	-	-	-	Epson LX1310	8400	-	-	-	-	-	-	-	-	-	-
126	DOT Matrix Printer -III	TVSE MSP 455 Excel	11500	-	-	-	-	-	-	Epson LQ1310	14900	-	-	-	-	-	-	-	-	-	-
127	SPECIFICATIONS FOR UPS			-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-
128	NUMERIC UPS 600 VA with 14 AH	Numeric	3304	-	-	-	-	-	-	APC	2600	-	-	-	-	-	-	-	-	-	-
129	NUMERIC UPS 1 KVA with 14 AH	Numeric	4312	-	-	-	-	-	-	APC	6500	-	-	-	-	-	-	-	-	-	-
130	NUMERIC UPS 3KVA	Numeric	62720	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	APC SRC3KUXI	78855	-
131	NUMERIC UPS 6 KVA	Numeric	144480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	APC SRC6KUXI	139860	-
132	NUMERIC UPS 10 KVA	Numeric	185920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	APC SRC10KUXI	205800	-
133	NUMERIC UPS 15 KVA	Numeric	311360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	APC SURT15KUXI	362250	-
134	NUMERIC UPS 20 KVA	Numeric	420000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	APC SURT20KUXI	448350	-

Sd/-
DIRECTOR (IS)Sd/-
REGISTRAR

ANNEXURE - II

O.U ORDER NO : 1536/ 156 /2017-18/Bud-V, Dt 07-04- 2017

Approved Rate Contract Prices (incl. of All Taxes) for Optional / In Lieu Item Code 135 (S No. 1 - 42)

Item No	Discriptions of the Item	M/s. Mircro Care Computers Pvt Ltd, Hyderabad		M/s. Gowra Bits & Bytes, Secunderabad				M/s. Parity Systems Pvt Ltd, Secunderabad		M/s. Sai Technologies, Hyderabad		M/s. Ascent e-Digital Soluitons (P) Ltd, Secunderabad		M/s. Akshara Enterprises, Hyderabad		M/s. Lan Time Technologies, Hyderabad		M/s. Supraja Batttries, Hyderabad		M/s. X-Print Solutions, Hyderabad	
		Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)
1	TAB									I- Ball Slate	26,000										
2	18.5 Inch LED Monitor	HP	6300			Lenovo	6700			Dell	5300										
3	20 Inch LED Monitor	HP	6800			Lenovo	13000			Dell	5800										
4	21.5 inch LED Monitor	HP	8300	Dell	16000	Lenovo	16000														
5	23 inch LED Monitor	HP	13200	Dell	NQ	Lenovo	NQ			LG	10200										
6	24 inch LED Monitor	HP	10300	Dell	24000	Lenovo	24000			LG / View sonic	11000										
7	2 GB NVIDIA Graphic Card	HP	3100	Dell	5000	Lenovo	5000														
8	4 GB NVIDIA Graphic Card	HP	6900	Dell	9000	Lenovo	9000														
9	500 GB HDD for Desktop	HP	4100	Dell	4500	Lenovo	4500			Seagate	2900										
10	1 TB HDD for Desktop	HP	4600	Dell	6500	Lenovo	6500			Seagate	3800										
11	4 GB RAM for Desktop	HP	3100	Dell	3500	Lenovo	3500			Kingston	2300										
12	8 GB RAM for Desktop	HP	6600	Dell	7000	Lenovo	7000			Hynix	4500										
13	4 GB RAM for Laptop	HP	3300	Dell	3500	Lenovo	3500			Samsung	2500										
14	8 GB RAM for Laptop	HP	6500	Dell	7000	Lenovo	7000			Hynix	6000										
15	Laptop Adaptor	HP	2500	Dell	NQ	Lenovo	NQ														
16	Laptop Battery	HP	5500	Dell	1600	Lenovo	1600														
17	DVD RW for Desktop	HP	2500	Dell	NQ	Lenovo	NQ			Samsung	1800										
18	SMPS for Desktops	HP	3500	Dell	NQ	Lenovo	NQ			Intel	600										
19	1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Hard Drive for Server	HPE	16100	Dell	15000	Lenovo	15000														
20	SFF (2.5-inch) Hot pluggable Hard Drive for Server	HPE	25800	Dell	26000	Lenovo	26000														
21	x4 DDR4-2133 CAS Registered Memory Kit for Server	HPE	9700	Dell	19000	Lenovo	19000														

Not Quoted

Not Quoted

Not Quoted

Not Quoted

Not Quoted

Not Quoted

Sd/-
DIRECTOR (IS)

Sd/-
REGISTRAR

ANNEXURE - II

O.U ORDER NO : 1536/ 156 /2017-18/Bud-V, Dt 07-04- 2017

Approved Rate Contract Prices (incl. of All Taxes) for Optional / In Lieu Item Code 135 (S No. 1 - 42)

Item No	Discriptions of the Item	M/s. Mircro Care Computers Pvt Ltd, Hyderabad		M/s. Gowra Bits & Bytes, Secunderabad				M/s. Parity Systems Pvt Ltd, Secunderabad		M/s. Sai Technologies, Hyderabad		M/s. Ascent e-Digital Solutions (P) Ltd, Secunderabad		M/s. Akshara Enterprises, Hyderabad		M/s. Lan Time Technologies, Hyderabad		M/s. Supraja Battries, Hyderabad		M/s. X-Print Solutions, Hyderabad	
		Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)
22	16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS Registered Memory Kit for Server	HPE	18570	Dell	32000	Lenovo	32000														
23	Servers Processor Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit	HPE	475000	Dell	Nq	Lenovo	Nq														
24	EXTERNAL DVD RW	HP	1750	Dell	2000	Lenovo	2000			LG	2000										
25	1 TB HDD (External Hard Disk)	HP	4950	Dell	6000	Lenovo	6000			Seagate	4800										
26	2 TB HDD (External Hard Disk)	Seagate	7480	Dell	9000	Lenovo	9000			Seagate / WD	7500										
27	4 TB HDD (External Hard Disk)	Seagate	13200	Dell	NQ	Lenovo	NQ			Seagate / WD	10300										
28	USB KEYBOARD	HP	600	Dell	1000	Lenovo	1000			Intex	300										
29	USB MOUSE	HP	500	Dell	1000	Lenovo	1000			Intex	150										
30	WIRELESS KEYBOARD	HP	1350	Dell	NQ	Lenovo	NQ			Intex	1400										
31	WIRELESS MOUSE	HP	850	Dell	NQ	Lenovo	NQ			Mercury	700										
32	Laptop Carry Bag	HP	1200	Dell	1500	Lenovo	1500														
33	8 GB Pen Drive	HP	400	Dell	550	Lenovo	550			Sandisk	350										
34	16 GB Pen Drive	HP	600	Dell	750	Lenovo	750			Sandisk	375										
35	32 GB Pen Drive	HP	1000	Dell	NQ	Lenovo	NQ			Sandisk	800										
36	MOUSE PAD			Dell	NQ	Lenovo	NQ				48										
37	External USB Spekers	HP	700	Dell	NQ	Lenovo	NQ			Intex	500										
38	Frame/600X1000/Steel ;Front Perforated door/600/42U-1no ;Rear Dual Perforated Door/600/42U-1no;Side panels/1000/42U-2nos ;Casters Set of 4 -1set ;Shelf -1no ;Vertical Power Manager 12SocX6-16A - 2no's ;Keyboard Tray - 1no ;Fan Modtllle/4Fan/Tower Mount-1no ;Mounting Hardware (pack of 20)-2no's		43000	Dell	45000	Lenovo	45000				45000										
39	AMC For DESKTOP		8%	Dell	5000	Lenovo	5000				3000										
40	AMC For LAPTOP		8%	Dell	6000	Lenovo	6000				3000										
41	AMC For WORKSTATION		10%	Dell	25000	Lenovo	25000				15000										
42	AMC For SERVER		15%	Dell	40000	Lenovo	40000				50000										

Sd/
DIRECTOR (IS)Sd/
REGISTRAR

ANNEXURE - III

O.U ORDER NO : 1536/ 156 /2017-18/Bud-V, Dt 07-04- 2017

Approved Rate Contract Prices (Incl. of all Taxes) for Printer Cartridges item Code 136

Item No	Discriptions of the Item	M/s. Mircro Care Computers Pvt Ltd, Hyderabad		M/s. Gowra Bits & Bytes, Secunderabad				M/s. Parity Systems Pvt Ltd, Secunderabad		M/s. Sai Technologies, Hyderabad		M/s. Ascent e-Digital Soluitons (P) Ltd, Secunderabad		M/s. Akshara Enterprises, Hyderabad		M/s. Lan Time Technologies, Hyderabad		M/s. Supraja Battries, Hyderabad		M/s. X-Print Solutions, Hyderabad							
		Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)						
1	CC388AC	HP	3672	NOT QUOTATED				NOT QUOTATED				NOT QUOTATED				NOT QUOTATED				NOT QUOTATED				NOT QUOTATED			
2	CC388AD	HP	5875																								
3	Q2612AC	HP	4674																								
4	Q2612AF	HP	7479																								
5	CE278AC	HP	4705																								
6	CE278AF	HP	7528																								
7	CB436AC	HP	4674																								
8	CB436AF	HP	7479																								
9	CB540A	HP	4726																								
10	CB541A	HP	4344																								
11	CB542A	HP	4344																								
12	CB543A	HP	4344																								
13	CC530AC	HP	7396																								
14	CC531AC	HP	7289																								
15	CC532AC	HP	7289																								
16	CC533AC	HP	7289																								
17	CE310A	HP	3075																								
18	CE311A	HP	3420																								
19	CE312A	HP	3420																								
20	CE313A	HP	3420																								
21	CE314A	HP	4866																								
22	CE320A	HP	4245																								
23	CE321A	HP	4039																								
24	CE322A	HP	4039																								
25	CE323A	HP	4039																								
26	CE410A	HP	5026																								
27	CE411AC	HP	7160																								
28	CE412AC	HP	7160																								
29	CE413AC	HP	7160																								
30	CE505AC	HP	5314																								
31	CF210A	HP	4085																								
32	CF211A	HP	5118																								
33	CF212A	HP	5118																								

Sd/-
DIRECTOR (IS)Sd/-
REGISTRAR

ANNEXURE - III

O.U ORDER NO : 1536/ 156 /2017-18/Bud-V, Dt 07-04- 2017

Approved Rate Contract Prices (Incl. of all Taxes) for Printer Cartridges item Code 136

Item No	Discriptions of the Item	M/s. Mircro Care Computers Pvt Ltd, Hyderabad		M/s. Gowra Bits & Bytes, Secunderabad				M/s. Parity Systems Pvt Ltd. Secunderabad		M/s. Sai Technologies, Hyderabad		M/s. Ascent e-Digital Soluitons (P) Ltd, Secunderabad		M/s. Akshara Enterprises, Hyderabad		M/s. Lan Time Technologies, Hyderabad		M/s. Supraja Battries, Hyderabad		M/s. X-Print Solutions, Hyderabad	
		Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)	Model	Rate (Rs)
		HP																			
34	CF213A	HP	5118																		
35	CF228A	HP	6517																		
36	CF280A	HP	6152																		
37	CF380A	HP	5484																		
38	CF381AC	HP	7344																		
39	CF382AC	HP	7344																		
40	CF383AC	HP	7344																		
41	CF400A	HP	4066																		
42	CF401A	HP	4797																		
43	CF402A	HP	4797																		
44	CF403A	HP	4797																		
45	CN045AA	HP	2230																		
46	CN046AA	HP	1654																		
47	CN047AA	HP	1654																		
48	CN048AA	HP	1654																		
49	CN053AA	HP	2116																		
50	CN054AA	HP	1048																		
51	CN055AA	HP	1048																		
52	CN056AA	HP	1048																		
53	Q6000A	HP	3332																		
54	Q6001A	HP	6060																		
55	Q6002A	HP	6060																		
56	Q6003A	HP	6060																		
57	Q7553A	HP	5907																		
58	CF350A	HP	3375																		
59	CF351A	HP	3479																		
60	CF352A	HP	3479																		
61	CF353A	HP	3479																		
62	CE400A	HP	8905																		
63	CE401A	HP	13264																		
64	CE402A	HP	13264																		
65	CE403A	HP	13264																		
66	CZ192AC	HP	11865																		

Sd/-
DIRECTOR (IS)Sd/-
REGISTRAR

ANNEXURE-1
TABS -Specifications of Item 101

Item No.101	Specifications For – TAB-I
ITEM CODE	Make & Model
CPU	intel® Atom® x5-Z8300 with Intel HD Graphics (1.44 GHz, up to 1.84 GHz using Intel Burst Technology, 2 MB cache, 4 cores) or Higher
Motherboard/ Chipset	Chipset is integrated with processor or Higher
Cache	2 MB Cache or Higher
Memory	4 GB RAM or Higher
HDD	64 GB Internal + Upto 2TB Expandable or Higher
Audio Controller	B&O PLAY with dual speakers, dual microphone array (noise canceling and beam forming) with Conexant Audio or Higher
Webcam	720p HD fixed focus front web camera or Higher
Display	10.1" diagonal WXGA anti-glare WLED eDP ultra-slim with capacitive multi-touch screen (1280 x 800)
Keyboard	full size island-style thin cover keyboard with image sensor Clickpad (multi-touch gestures enabled)
Wireless Connectivity	Intel® Dual Band Wireless-AC 3165 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.0 Combo or Higher
Battery	33 WHr Li-ion polymer or Higher
Expansion Ports	1 USB 3.0 (tablet); 1 USB-C™ 2.0 (tablet); 1 micro HDMI (tablet); 1 headphone/microphone combo (tablet); 1 pogo pin docking connector to keyboard base; 1 pogo pin docking connector to tablet or Higher
Expansion slots	1 microSD (Expandable up to 2 TB)
Power supply	15 W AC charging adapter with USB Type-C™ cable or Higher
Operating system	Windows 10 Professional
Carry case	With carry case
Warranty	1 Year
Price in (Rs.)	
Deviation if any	

ANNEXURE-2
Laptops-Specifications of Item 102 to 104

Item No.102	Specifications for Laptop-I
ITEM CODE	Laptop Make & Model
CPU	Intel Core i3-7100U 7th Generation with Intel HD Graphics 620 (2.4 GHz, 3 MB cache, 2 core); Intel® Pentium 4415U with Intel® HD Graphics or Higher
Motherboard/ Chipset	Intel chipset integrated with processor
Cache	3 MB Intel Smart Cache or Higher
Memory	4 GB DDR 4 RAM expandable to 16 GB or Higher
HDD	1 TB SATA HDD or Higher
Graphic Card	Integrated Graphics
Audio Controller	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Webcam	720p HD webcam or Higher
Display	(14") diagonal HD anti-glare LED-backlit (1366 x 768); 35.56 cm
Keyboard	spill-resistant keyboard with backlit
Network Interface card	Integrated 10/100/1000 Ethernet
Wireless Connectivity	Integrated Wireless Intel 802.11a/b/g/n , Bluetooth
Battery	3-cell, Long Life 48 WHr Li-ion or Higher
Expansion Ports	2 USB 3.0;1 USB 2.0 (power port);1 HDMI;1 RJ-45;1 VGA;1 headphone/microphone combo; 1 AC power
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.) or Higher
Power supply	45 W Smart AC adapte
Operating system	DOS/ Linux
Carry case	With carry case
Warranty	3 Years
Price in (Rs.)	
Deviation if any	

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Item No.103	Specifications for Laptop-II
ITEM CODE	Laptop Make & Model
CPU	Intel Core i5-7200U 7 th Generation with Intel HD Graphics 620 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 core) or Higher
Motherboard/ Chipset	Intel chipset integrated with processor
Cache	3 MB Intel Smart Cache or Higher
Memory	4 GB DDR 4 RAM expandable to 16 GB or Higher
HDD	1 TB SATA HDD or Higher
Graphic Card	Integrated Graphics
Audio Controller	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Webcam	720p HD webcam or Higher
Display	(14") diagonal HD anti-glare LED-backlit (1366 x 768); 35.56 cm
Keyboard	spill-resistant keyboard with backlit
Network Interface card	Integrated 10/100/1000 Ethernet
Wireless Connectivity	Integrated Wireless Intel 802.11a/b/g/n , Bluetooth
Battery	3-cell, Long Life 48 WHr Li-ion or Higher
Expansion Ports	2 USB 3.0;1 USB 2.0 (power port);1 HDMI;1 RJ-45;1 VGA;1 headphone/microphone combo; 1 AC power
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.) or Higher
Power supply	45 W Smart AC adapte
Operating system	DOS/ Linux
Carry case	With carry case
Warranty	3 Years
Price in (Rs.)	
Deviation if any	

Item No.104	Specifications for Laptop-III
ITEM CODE	Laptop Make & Model
CPU	Intel Core i7-7500U 7 th Generation with Intel HD Graphics 620 (2.7 GHz, up to 3.5 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 core) or Higher
Motherboard/ Chipset	Intel chipset integrated with processor
Cache	4 MB Intel Smart Cache or Higher
Memory	4 GB DDR 4 RAM expandable to 16 GB or Higher
HDD	1 TB SATA HDD or Higher
Graphic Card	Integrated Graphics
Audio Controller	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Webcam	720p HD webcam or Higher
Display	(14") diagonal HD anti-glare LED-backlit (1366 x 768); 35.56 cm
Keyboard	spill-resistant keyboard with backlit
Network Interface card	Integrated 10/100/1000 Ethernet
Wireless Connectivity	Integrated Wireless Intel 802.11a/b/g/n , Bluetooth
Battery	3-cell, Long Life 48 WHr Li-ion or Higher
Expansion Ports	2 USB 3.0;1 USB 2.0 (power port);1 HDMI;1 RJ-45;1 VGA;1 headphone/microphone combo; 1 AC power
Expansion slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.) or Higher
Power supply	45 W Smart AC adapte
Operating system	DOS/ Linux
Carry case	With carry case
Warranty	3 Years
Price in (Rs.)	
Deviation if any	

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ANNEXURE-3
Business Desktops-Specifications of Item 105 to 107

Item No.105	Specifications for Desktop-I
ITEM CODE	Desktop Make & Model
CPU	Intel Core 6th Generation i3-6100 with Intel® HD Graphics 530 (3.7 GHz, 3 MB cache, 2 cores) or Higher
Motherboard/ Chipset	Intel® H110 chipset or Higher
Cache	3 MB Smart cache 2cores or Higher
Memory	4GB DDR4-2133 UDIMM (Transfer rates up to 2133 MT/s) Memory upgradeable up to 16 GB or Higher
HDD	1 TB 7200 RPM SATA 6.0Gb/s 3.5" HDD or Higher
CD ROM	Slim SuperMulti DVD Writer Drive
Graphic Card	Intel Integrated HD Graphics
Audio	HD audio with Realtek ALC221
Monitor	18.5-inch LED Backlit Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL)
Speakers	Integrated Speakers
Mouse	USB Optical Mouse
Drive Bays	(2) 3.5" internal storage drive bays, 5.25" External Drive Optical Disc Drive Bay, or Higher
I/O Ports	Rear I/O Ports:-(2) USB 3.0 ports,(4) USB 2.0 ports,(1) RJ45 network connection,(1) Audio Line out,(1) Audio Line in,(1) VGA,(1) DVI-D Front: 2 USB 2.0; 1 microphone/headphone combo jack
Expansion slots	One (1) PCIe x 16 (3.0) ; One (1) PCIe x 1 (2.0) or Higher
Cabinet	Micro tower
Power supply	180 W standard efficiency, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	FOR OEM: ISO 9001 : 2000, Windows, Linux, US Energy star, EPEAT , FCC,UL, ROHS
Security	TPM 1.2 Security Chip, USB enable/disable, Power-on password, Administrator Password, Setup password, and chassis lock slot support
Warranty	3 years onsite warranty
Price in (Rs.)	
Deviation if any	

Item No.106	Specifications for Desktop-II
ITEM CODE	Desktop Make & Model
CPU	Intel Core 6th Generation i5-6500 with Intel® HD Graphics 530 (3.2 GHz, 6 MB cache, 4 cores) or Higher
Motherboard/ Chipset	Intel® H110 chipset or Higher
Cache	6 MB Smart cache 4cores or Higher
Memory	4GB DDR4-2133 UDIMM (Transfer rates up to 2133 MT/s) Memory upgradeable up to 16 GB or Higher
HDD	1 TB 7200 RPM SATA 6.0Gb/s 3.5" HDD or Higher
CD ROM	Slim SuperMulti DVD Writer Drive
Graphic Card	Intel Integrated HD Graphics
Audio	HD audio with Realtek ALC221
Monitor	18.5-inch LED Backlit Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL)
Speakers	Integrated Speakers
Mouse	USB Optical Mouse
Drive Bays	(2) 3.5" internal storage drive bays, 5.25" External Drive Optical Disc Drive Bay, or Higher
I/O Ports	Rear I/O Ports:-(2) USB 3.0 ports,(4) USB 2.0 ports,(1) RJ45 network connection,(1) Audio Line out,(1) Audio Line in,(1) VGA,(1) DVI-D Front: 2 USB 2.0; 1 microphone/headphone combo jack
Expansion slots	One (1) PCIe x 16 (3.0) ; One (1) PCIe x 1 (2.0) or Higher
Cabinet	Micro tower
Power supply	180 W standard efficiency, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	FOR OEM: ISO 9001 : 2000, Windows, Linux, US Energy star, EPEAT , FCC,UL, ROHS
Security	TPM 1.2 Security Chip, USB enable/disable, Power-on password, Administrator Password, Setup password, and chassis lock slot support
Warranty	3 years onsite warranty
Price in (Rs.)	
Deviation if any	

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Item No.107	Specifications for Desktop-III
ITEM CODE	Desktop Make & Model
CPU	Intel Core 6th Generation i7-6700 with Intel® HD Graphics 530 (3.4 GHz, 8 MB cache, 4 cores) or Higher
Motherboard/ Chipset	Intel® Q170 chipset or Higher
Cache	8 MB Smart cache 4cores or Higher
Memory	4 GB DDR4-2133 UDIMM (Transfer rates up to 2133 MT/s) Memory upgradeable up to 32 GB or Higher
HDD	1 TB 7200 RPM SATA 6.0Gb/s 3.5" HDD or Higher
CD ROM	Slim SuperMulti DVD Writer Drive
Graphic Card	2 GB NVIDIA GRAPHICS CARD
Audio	HD audio with Realtek ALC221
Monitor	18.5-inch LED Backlit Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL)
Speakers	Integrated Speakers
Mouse	USB Optical Mouse
Drive Bays	(2) 3.5" internal storage drive bays, 5.25" External Drive Optical Disc Drive Bay, or Higher
I/O Ports	Rear I/O Ports:-(2) USB 3.0 ports,(4) USB 2.0 ports,(1) RJ45 network connection,(1) Audio Line out,(1) Audio Line in,(1) VGA,(1) DVI-D Front: 2 USB 2.0; 1 microphone/headphone combo jack
Expansion slots	One (1) PCIe x 16 (3.0) ; One (1) PCIe x 1 (2.0) or Higher
Cabinet	Micro tower
Power supply	180 W standard efficiency, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	FOR OEM: ISO 9001 : 2000, Windows, Linux, US Energy star, EPEAT , FCC,UL, ROHS
Security	TPM 1.2 Security Chip, USB enable/disable, Power-on password, Administrator Password, Setup password, and chassis lock slot support
Warranty	3 years onsite warranty
Price in (Rs.)	
Deviation if any	

ANNEXURE-4
Workstations-Specifications of Item 108

Item No.108	Specifications for Workstation-I
ITEM CODE	Workstation Make & Model
CPU	Intel® Xeon® processor E3-1225v5, Quad-Core, 8 MB cache, 3.3 GHz, up to 3.6 GHz with Intel Turbo Boost Technology or Higher
Motherboard/ Chipset	Intel® C236 chipset or Higher
Cache	8 MB cache Quad-Core
Memory	16GB (2x8GB) DDR4-2133 ECC Unbuffered RAM 1-CPU or higher or equivalent Memory upgradeable up to 64GB
HDD	1TB SATA 7200 rpm 6Gb/s 3.5" HDD
CD ROM	16X DVD+/-RW SuperMulti SATA Drive
Graphic Card	4GB NVIDIA Quadro K1200 1st GFX same OEM Make or Higher
Audio Controller	Integrated Realtek HD ALC221 Audio
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Network Interface card	Integrated 10/100/1000M Gigabit Ethernet Controller and it will support Supports Wake-on-LAN (WOL) or Higher
Speakers	Integrated
Mouse	USB MOUSE
Drive Bays	2 internal 3.5" Drive Bays,1 external 9.5" Drive Bay or Higher
I/O Ports	Front: 2 USB 3.0; 1 USB 2.0; 1 USB 2.0 charging port; 1 headphone; 1 microphone Back: 6 USB 3.0; 1 serial; 2 PS/2; 1 RJ-45; 1 audio line in; 1 audio line out. Internal: 2 USB 2.0 ; 1 USB 3.0 and 2 USB 2.0 internal ports available as 2 separate 2x6(3.0x1, 2.0x1) and 1x6(2.0x1) headers supporting one Internal USB 2.0 Port Kit and one USB 3.0 Media Card Reader or Higher
Expansion slots	1 PCIe Gen3 x16; 1 PCIe Gen3 x4 (x16 connector); 1 PCIe Gen3 x1 (x4 connector); 1 PCIe Gen3 x1 or Higher
DiskControllers	On board
Power supply	280 W 85% efficient, wide-ranging, active PFC or Higher
Operating system	DOS/LINUX
Industry standard compliance	US Energy star certification , EPEAT Gold
Warranty	3 years
Price in (Rs.)	
Deviation if any	

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ANNEXURE-5
Servers-Specifications of Item 109 to 113

Item No.109	Specifications for Server-I
ITEM CODE	TOWER SERVER Make & Model
CPU 1	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
CPU 2	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
Motherboard/ Chipset	Intel® C610 Series Chipset
Cache	20MB (1 x 20MB) Cache
Memory	32 GB DDR4 RAM scalable to at least upto 768GB, using DDR4 Load Reduced DIMM (LRDIMM) memory modules
HDD	4x 600GB 6 G SAS 10K rpm SFF (2.5-inch) Enterprise Hard Drive (The server should be supplied with 8 drive bays and should be expandable upto 16 Drive bays with optional drive cage. The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid dataloss/downtime due to wrong drive removal.) or equivalent
CD ROM	DVD Writer
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Optical Mouse
Network Interface card	Server should support networking cards with below features: 1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.
Drive Bays	The server should be supplied with 8 drive bays and should be expandable upto 16 Drive bays with optional drive cage. The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid dataloss/downtime due to wrong drive removal or equivalent.
I/O Ports	Serial – 1 ,Micro SD slot – 1 ,USB 2.0 Ports 5 (2 front, 2 rear, 1 internal),USB 3.0 3 (2 rear, 1 internal)
Expansion slots	Nine PCI-Express 3.0 slots, atleast three x16 slots
Disk Controllers	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 2GB battery backed write cache (onboard or in a PCI Express slot)
Cabinet	Tower (5U)
Power supply	Redundant platinum Hot Pluggable Power Supplies
OS Support	Microsoft Windows Server,Canonical Ubuntu,Red Hat Enterprise Linux (RHEL),SUSE Linux Enterprise Server (SLES),VMware,Citrix XenServer
Industry standard compliance	ACPI 2.0b Compliant,PCIe 3.0 Compliant,PXE Support WOL Support,Novell Certified,IPMI 2.0, SMASH CLP, DCMI 1.0 compliant, Microsoft® Logo certifications,USB 3.0 Support SMBIOS 2.7.1,ASHRAE A3/A4,Energy Star or equivalent
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.
Price in (Rs)	
Deviation if any	

Item No.110	Specifications for Server-II
ITEM CODE	RACK SERVER Entry Level Make & Model
Processor	Intel Xeon E3-1220v5 (3.0GHz/4-core/8MB/80W) Processor or Higher
CPU L3 CACHE Memory	8 MB (1 x 8 MB) L3 cache or Higher
Motherboard	Intel® C232 Series Chipset or Higher
Memory	8GB (1x8GB UDIMMs, 2133 MHz) or Higher
HDD Bays	2 LFF HDD Bays
Hard disk drive	2 x 1TB 6G SATA 7.2K rpm SFF (2.5-inch) Hard Drive
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Controller	Integrated RAID controller supporting RAID 0,1 & 5
Networking features	Embedded 1Gb 2-port 332i network Adapter
Interfaces	Video – 1,4 USB ports (standard)
Bus Slots	Minimum of 2 No's of PCIe 3.0 slots
Power Supply	Minimum 280W Power Supply
Graphics	Integrated video standard supporting 1280 x 1024 (32 bpp),1920 x 1200 (16 bpp)
Industry Standard Compliance	UEFI (Unified Extensible Firmware Interface Forum),PCIe 3.0 Compliant, PXE Support,WOL Support,Microsoft® Logo certifications, USB 3.0 Support,ASHRAE A3 or equivalent
Security	Power-on password,Serial interface control,Administrator's password, TPM 1.2,TPM 2.0,APCI 2.0b,UEFI
Operating Systems and Virtualization Software Support	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

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Item No.111	Specifications for Server-III
ITEM CODE	RACK SERVER Mid Range Make & Model
CPU 1	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
CPU 2	Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit or Higher
CPU L3 CACHE Memory	20 MB (1 x 20 MB) L3 cache
Motherboard	Intel® C610 Series Chipset
Memory	64 GB DDR4 RAM scalable to at least upto1.5 TB , using DDR4 Load Reduced DIMM (LRDIMM) memory modules with 24 DIMM slots or equivalent
Memory Protection	Advanced ECC with multi-bit error protection and memory online spare mode
HDD Bays	Up to 8 SFF, HDD/SSD expandable upto 16 drives with optional drive cage, The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal or equivalent
Optical drive Bay	Optical drive DVD-RW
Hard disk drive	5 x 600 GB 6 G SAS 10K rpm SFF (2.5-inch) Hot pluggable Hard Drive or Higher
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Controller	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/ with 2GB battery backed write cache (onboard or in a PCI Express slot) or equivalent
Networking features	Server should support networking cards with below features:1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.
Interfaces	Serial – 1 ,Micro SD slot – 1 ,USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure)
Bus Slots	Minimum of Three full length full height PCIe 3.0 Slots X16 and Two full length full height PCIe 3.0 Slots X 8 slots which should support two double wide GPU cards
Power Supply	Minimum 94% Hot pluggable Redundant Power Supplies which should support two no's of compute cards
Fans	Redundant hot-plug system fans
Graphics	Integrated video with 16MB of Video RAM
Industry Standard Compliance	ACPI 2.0b Compliant,PCIe 3.0 Compliant,PXE Support,WOL Support ,Microsoft® Logo certifications,USB 3.0 AND 2.0 Support,Energy Star,ASHRAE A3/A4 and UEFI or equivalent
Embedded system management	Should support monitoring ongoing management, service alerting, reporting and remote management with embedded Gigabit out of band management port Server should support configuring and booting securely with industry standard Unified Extensible Firmware. System management should support provisioning servers by discovering and deploying 1 to few servers with Intelligent Provisioning ,System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support
Security	Power-on password ,Serial interface control Administrator's password ,UEFI ,Should support upto 12 customizable user accounts on out of band management port and SSL encryption ,Should also supports directory services integration
Operating Systems and Virtualization Software Support	Microsoft Windows Server ,Red Hat Enterprise Linux (RHEL) ,SUSE Linux Enterprise Server (SLES) ,Oracle Solaris ,VMware ,Citrix Xen Server
Chassis	2 U Rack Mountable
Provisioning	Essential tools, drivers, agents to setup, deploy and maintain the server should be embedded inside the server. There should be a built -in Update manager that can update firmware of system by connecting online.
Remote Management	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication. 2. Server should have dedicated 1Gbps remote management port. 3. Server should support agentless management using the out-of-band remote management port. 4. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. 5. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware update functionality.Should provide support for Java free graphical remote console.
Server Management	The Systems Management software should provide Role-based security
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
	Should provide an online portal that can be accesible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contrats and status. The Portal should also provide a Personalised dashboard to monitor device heath, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be accesible on premise (at customer location - console based) or off premise (using internet).
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes

	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.
	The Server Management Software should be of the same brand as of the server supplier.
	Infra Platform /Infra Software to support a variety of different hypervisors, such as VMware, Microsoft Hyper-V, Red Hat KVM.
	Solution available to Deploy a fast and easy installation via software appliance delivery mode. With its own OS and Database to provide infra and lifecycle management
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

Item No.112	Specifications for Server-IV
ITEM CODE	RACK SERVER Mid-Range Make & Model
CPU 1	Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) Processor Kit or Higher
CPU 2	Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) Processor Kit or Higher
CPU L3 CACHE Memory	30 MB (1 x 30 MB) L3 cache
Motherboard	Intel® C610 Series Chipset
Memory	128 GB DDR4 RAM scalable to at least upto 1.5 TB , using DDR4 Load Reduced DIMM (LRDIMM) memory modules with 24 DIMM slots or equivalent
Memory Protection	Advanced ECC with multi-bit error protection and memory online spare mode
HDD Bays	Up to 8 SFF, HDD/SSD expandable upto 16 drives with optional drive cage, The drive carrier should have intuitive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to avoid data loss/downtime due to wrong drive removal or equivalent
Optical drive Bay	Optical drive DVD-RW
Hard disk drive	5 x 600 GB 6 G SAS 10K rpm SFF (2.5-inch) Hot pluggable Hard Drive or Higher
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Controller	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/ with 2GB battery backed write cache (onboard or in a PCI Express slot) or equivalent
Networking features	Server should support networking cards with below features:1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.
Interfaces	Serial – 1 ,Micro SD slot – 1 ,USB 3.0 support With Up to 5 total: 1 front, 2 rear, 2 internal (secure)
Bus Slots	Minimum of Three full length full height PCIe 3.0 Slots X16 and Two full length full height PCIe 3.0 Slots X 8 slots which should support two double wide GPU cards
Power Supply	Minimum 94% Hot pluggable Redundant Power Supplies which should support two no's of compute cards
Fans	Redundant hot-plug system fans
Graphics	Integrated video with 16MB of Video RAM
Industry Standard Compliance	ACPI 2.0b Compliant,PCIe 3.0 Compliant,PXE Support,WOL Support ,Microsoft® Logo certifications,USB 3.0 AND 2.0 Support,Energy Star,ASHRAE A3/A4 and UEFI or equivalent
Embedded system management	Should support monitoring ongoing management, service alerting, reporting and remote management with embedded Gigabit out of band management port Server should support configuring and booting securely with industry standard Unified Extensible Firmware. System management should support provisioning servers by discovering and deploying 1 to few servers with Intelligent Provisioning ,System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support
Security	Power-on password ,Serial interface control Administrator's password ,UEFI ,Should support upto 12 customizable user accounts on out of band management port and SSL encryption ,Should also supports directory services integration
Operating Systems and Virtualization Software Support	Microsoft Windows Server ,Red Hat Enterprise Linux (RHEL) ,SUSE Linux Enterprise Server (SLES) ,Oracle Solaris ,VMware ,Citrix Xen Server
Chassis	2 U Rack Mountable
Provisioning	Essential tools, drivers, agents to setup, deploy and maintain the server should be embedded inside the server. There should be a built -in Update manager that can update firmware of system by connecting online.
Remote Management	1. System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication. 2. Server should have dedicated 1Gbps remote management port. 3. Server should support agentless management using the out-of-band remote management port. 4. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. 5. Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support.Should provide support for AES and 3DES on browser.Should provide remote firmware

	update functionality.Should provide support for Java free graphical remote console.
Server Management	The Systems Management software should provide Role-based security
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
	Should provide an online portal that can be accesible from anywhere. The portal should provide one stop, online access to the product, support information and provide information to track warranties, support contrats and status. The Portal should also provide a Personalised dashboard to monitor device heath, hardware events, contract and warranty status. Should provide a visual status of individual devices and device groups. The Portal should be accessible on premise (at customer location - console based) or off premise (using internet).
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes
	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.
	The Server Management Software should be of the same brand as of the server supplier.
	Infra Platform /Infra Software to support a variety of different hypervisors, such as VMware, Microsoft Hyper-V, Red Hat KVM.
	Solution available to Deploy a fast and easy installation via software appliance delivery mode. With its own OS and Database to provide infra and lifecycle management
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

Item No.113	Specifications for Server-V
ITEM CODE	RACK SERVER High Range Make & Model
CPU 1	Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit or Higher
CPU 2	Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit or Higher
CPU L3 CACHE Memory	60 MB (1 x 60 MB) L3 cache
Motherboard	Intel® C602J Chipset
Memory	128 GB with DDR4 DIMMs and server should support upto 6TB memory supporting across 96 DIMM slots or equivalent
Monitor	"20" LED Colour Monitor or Higher
Keyboard	USB Std. Keyboard
Mouse	USB Std. Mouse
Memory Features	Should support advanced memory features 1) Memory quarantine 2) Double data device correction 3) Single data device correction 4) Online Memory sparing 5) Memory mirroring
Network controller	Two (2) x Dual Port 10G Base-T Adapter with RJ-45 Ports {Total Four (4) 10G Base-T Ports across Two Adapters with redundant Configuration} or Higher
Expansion Slots	Server should support minimum 9 PCI express 3.0 slots and it should be supplied with minimum two active Full length Full height PCIe 16 slots and two active full length full height PCIe8 slots or Higher
Storage Controllers	Should 12Gbps SAS Controller with 2GB Flash Backed Write Cache. Controller should support data encryption to protect sensitive and mission critical data. Controller should support RAID levels 6, 60, 5, 50, 1, 10 and Advanced Data Mirroring with 3 drives or Higher
Storage Bays	3 x 1.2 TB 10K SAS 12Gbps Hot swappable HDD
Fiber HBA	Two (2) x Single Port 16 Gbps HBAs or Higher
Interfaces	System should support minimum of, Serial port: 1 ; Video: 1 front; 1 rear ;micro-SD Slot: 1 ; USB 2.0 Ports: 8 total: 2 front; 4 rear; 2 internal or Higher
Industry standard compliance	ACPI 2.0. Compliant ; PCIe 2.0 Compliant ; PXE Support ; WOL Support ; Physical Address Extension (PAE) Support ; Microsoft® Logo certifications ; USB 2.0 Support or Higher
Power supply	Configured with platinum efficiency hot plug redundant power supplies
System fans	Configured with hot plug redundant system fans
Form Factor	4 U Rack Mountable
Remote Management	System remote management should support browser based Graphical Remote Console; Virtual Power button, Remote boot using USB / CD/ DVD Drive and should be capable to offer upgrade of software and patches from a remote client using Media / image/folder.
Server Management	System should support both UEFI and legacy system BIOS
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, pager, or SMS gateway or automatic execution of scripts.
	Server should support cloud based management by accessing the servers' configuration information, warranty & sla information, support case details anywhere from the internet
	The Server Management Software should be of the same brand as of the server supplier.
Warranty	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support.
Price in (Rs.)	
Deviation if any	

ANNEXURE-6
Laser Printers-Specifications of Item 114 to 119

Item No.114	Required Specifications for Printer-I
ITEM/CODE	Printer Make & Model
Type	Mono
Functions	Print
Print Speed	14PPM
Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	-----
Network Card	10/100 or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.115	Required Specifications for Printer-II
ITEM/CODE	Printer Make & Model
Type	Mono,Multifunction
Functions	Print,Copy,Scan
Print Speed	Up to18 PPM
Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	8MB
Network Card	10/100 orUSB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.116	Required Specifications for Printer-III
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction ePrint capability
Functions	Print, copy, scan, fax, hotspot
Print Speed	18 PPM
Resolution	600X600 DPI
Paper Size	A4/Legal/Letter
Memory	64MB
Network Card	10/100,USB, and ePrint capability
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.117	Required Specifications for COPIER-IV
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction ,ePrint capability, Duplex
Functions	Print, copy, scan, fax, e print, Wireless, Duplex
COPIER	25 PPM
SCAN	14 PPM (ADF)
Print Speed	25 PPM
FAX	8 Seconds per page
COPY Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	256MB
Network Card	10/100, USB 2.0, WiFi 802.11b/g/n
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.118	Required Specifications for Printer-V
ITEM/CODE	Printer Make & Model
Type	Colour Printer
Functions	Print
Print Speed	16 PPM
Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	8MB
Network Card	10/100 Or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.119	Required Specifications for COPIER-VI
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction ,ePrint capability, Duplex
Functions	Print, copy, scan, fax, e print, Wireless, Duplex
COPIER	25 PPM
SCAN	14 PPM (ADF)
Print Speed	25 PPM
FAX	8 Seconds per page
COPY Resolution	600 x 600 DPI
Paper Size	A4/Legal/Letter
Memory	256MB
Network Card	10/100, USB 2.0, WiFi 802.11b/g/n
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

ANNEXURE-7
COPIER/XEROX-Specifications of Item 120 to 121

Item No.120	Required Specifications for COPIER-I
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction
Functions	COPIER/SCAN/PRINT/WIRELESS
COPIER	31 PPM
SCAN	MANUAL (FLAT BED)
Print Speed	31 PPM
COPY Resolution	1200 x 1200 DPI
Paper Size	A3/A4/Legal/Letter
Memory	256MB
Duty cycle	65000 pages
Network Card	10/100 TX Or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

Item No.121	Required Specifications for COPIER-II
ITEM/CODE	Printer Make & Model
Type	Mono,MultiFunction
Functions	COPIER/SCAN/PRINT/WIRELESS
COPIER	45 PPM
SCAN	ADF , FLAT BED
Print Speed	45 PPM
COPY Resolution	1200 x 1200 DPI
Paper Size	A4/Legal/Letter
Memory	1.25 GB
Duty cycle	150000 pages
Network Card	10/100/1000 TX Or USB 2.0
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

ANNEXURE-8
Scanners-Specifications of Item 122 to 123

Item No.122	Specifications for Scanner-I
ITEM/CODE	Scanner Make & Model
Type	Flat Bed
Resolution	1200 DPI
Bit Depth	48 Bit
Scan Size	A4
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

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Item No.123	Specifications for Scanner-II
ITEM/CODE	Scanner Make & Model
Type	Flat Bed , Auto document Feeder
Resolution	2400 x 2400 DPI
Bit Depth	48 Bit
Scan Size	A4 and Legal
ADF	Auto Document Feed
Warranty	1 Year
Price In (Rs.)	
Deviation if any	

ANNEXURE-09
DOT MATRIX PRINTERS – Specifications of Item No 124-126

Item No.124	Specifications for DOT MATRIX PRINTERS
DOT MATRIX	DOT MATRIX 9 WIRE 80 COLUMN PRINTER

Item No.125	Specifications for DOT MATRIX PRINTERS
DOT MATRIX	DOT MATRIX 9 WIRE136 COLUMN PRINTER

Item No.126	Specifications for DOT MATRIX PRINTERS
DOT MATRIX	DOT MATRIX 24 WIRE136 COLUMN PRINTER

ANNEXURE-10
UPS – Specifications of Item No 127-134

Item No.127	Specifications for UPS
Item No.128	UPS 600 VA with 14 AH (APC/NUMERIC)
Item No.129	UPS 1 KVA with 14AH (APC/NUMERIC)
Item No.130	UPS 3KVA (APC/NUMERIC) 3KVA Online UPS System with 6Nos. of 12V.65AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt galvanic Isolation Transformer and installation
Item No.131	UPS 6 KVA(APC/NUMERIC) 6KVA (1P-1P) Online UPS System with 16Nos. of 12V.65AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt Galvanic Isolation Transformer and installation
Item No.132	UPS 10 KVA (APC/NUMERIC) 10KVA (1P – 1P) Online UPS System with 16Nos. of 12V.65AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables inbuilt Galvanic Isolation Transformer and installation
Item No.133	UPS 15 KVA (3P-1P) Online UPS System with 20Nos. of 12V.100AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt Galvanic Isolation Transformer and installation (Make: APC/NUMERIC)
Item No.134	UPS 20 KVA (3P-1P) Online UPS System with 30Nos. of 12V.100AH SMF Batteries (for a backup of 120 minutes on full load), along with battery rack, connecting cables, inbuilt Galvanic Isolation Transformer and installation (Make: APC/NUMERIC)

ANNEXURE-11
OPTIONALS/IN LIEU ITEMS(Item No.135)
Options (up to Sl.No1-42) Must be the Desktops Laptops & Servers Make Only

SL.No.	Specifications Required Make and Model
01	18.5 Inch LED Monitor
02	20 Inch LED Monitor
03	21.5 inch LED Monitor
04	23 inch LED Monitor
05	24 inch LED Monitor
06	2 GB NVIDIA Graphic Card
07	4 GB NVIDIA Graphic Card
08	500 GB HDD for Desktop
09	1 TB HDD for Desktop
10	4 GB RAM for Desktop
11	8 GB RAM for Desktop
12	4 GB RAM for Laptop
13	8 GB RAM for Laptop
14	Laptop Adaptor
15	Laptop Battery
16	DVD RW for Desktop
17	SMPS for Desktops

18	1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Hard Drive for Server
19	600 GB 6 G SAS 10K rpm SFF (2.5-inch) Hot pluggable Hard Drive for Server
20	8GB (1x8GB) Single Rank x4 DDR4-2133 CAS Registered Memory Kit for Server
21	16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS Registered Memory Kit for Server
22	Servers Processor Intel® Xeon® E7-8891v4 (2.8GHz/10-core/60MB/165W) Processor Kit
23	EXTERNAL DVD RW
24	1 TB HDD (External Hard Disk)
25	2 TB HDD (External Hard Disk)
26	4 TB HDD (External Hard Disk)
27	USB KEYBOARD
28	USB MOUSE
29	WIRELESS KEYBOARD
30	WIRELESS MOUSE
31	Laptop Carry Bag
32	8 GB Pen Drive
33	16 GB Pen Drive
34	32 GB Pen Drive
35	MOUSE PAD
36	External USB Speakers
37	42U Rack Frame/600X1000/Steel ;Front Perforated door/600/42U-1no ;Rear Dual Perforated Door/600/42U-1no;Side panels/1000/42U-2nos ;Casters Set of 4 -1set ;Shelf -1no ;Vertical Power Manager 12SocX6-16A - 2no's ;Keyboard Tray - 1no ;Fan Modtllle/4Fan/Tower Mount-1no ;Mounting Hardware (pack of 20)-2no's
38	AMC For DESKTOP
39	AMC For LAPTOP
40	AMC For WORKSTATION
41	AMC For SERVER
Warranty	
Price in (Rs.)	
Deviation if any	

ANNEXURE-12
OPTIONALS/IN LIEU ITEMS(Item No.136)
Options (up to Sl.No1-66) TONERS FOR PRINTERS

S.NO	TONER PART NO	PRINTER NAME
01	CC388AC	M1136/M1213NF/M1216NF/M1218/P1107/P1008
02	CC388AD	M1136/M1213NF/M1216NF/M1218/P1107/P1008
03	Q2612AC	1020/1020PLUS/AIO3020/AIO3030/3050/3052/1010/1018/M1319
04	Q2612AF	1020/1020PLUS/AIO3020/AIO3030/3050/3052/1010/1018/M1319
05	CE278AC	HP LJ 1536/1606
06	CE278AF	HP LJ 1536/1606
07	CB436AC	M1522/M1505/M1120
08	CB436AF	M1522/M1505/M1120
09	CB540A	CM1312/CP1215/CP1515N/CP1518
10	CB541A	CM1312/CP1215/CP1515N/CP1518
11	CB542A	CM1312/CP1215/CP1515N/CP1518
12	CB543A	CM1312/CP1215/CP1515N/CP1518
13	CC530AC	CM2320/CP2025
14	CC531AC	CM2320/CP2025
15	CC532AC	CM2320/CP2025
16	CC533AC	CM2320/CP2025
17	CE310A	MFP175/CP1025/M275MFP
18	CE311A	MFP175/CP1025/M275MFP
19	CE312A	MFP175/CP1025/M275MFP
20	CE313A	MFP175/CP1025/M275MFP
21	CE314A	MFP175/CP1025/M275MFP
22	CE320A	CM1415fnw/CP1525
23	CE321A	CM1415fnw/CP1525

24	CE322A	CM1415fnw/CP1525
25	CE323A	CM1415fnw/CP1525
26	CE410A	MFP M375nw/M351A/M475/M451
27	CE411AC	MFP M375nw/M351A/M475/M451
28	CE412AC	MFP M375nw/M351A/M475/M451
29	CE413AC	MFP M375nw/M351A/M475/M451
30	CE505AC	HP LaserJet P2035 /P2055
31	CF210A	HP LaserJet Pro M251/M276
32	CF211A	HP LaserJet Pro M251/M276
33	CF212A	HP LaserJet Pro M251/M276
34	CF213A	HP LaserJet Pro M251/M276
35	CF228A	HP LASERJET PRO M403/M427
36	CF280A	HP LASERJET PRO M401/M425
37	CF380A	HP Color LaserJet Pro MFP M476
38	CF381AC	HP Color LaserJet Pro MFP M476
39	CF382AC	HP Color LaserJet Pro MFP M476
40	CF383AC	HP Color LaserJet Pro MFP M476
41	CF400A	HP Color LaserJet Pro M252/M274/M277
42	CF401A	HP Color LaserJet Pro M252/M274/M277
43	CF402A	HP Color LaserJet Pro M252/M274/M277
44	CF403A	HP Color LaserJet Pro M252/M274/M277
45	CN045AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
46	CN046AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
47	CN047AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
48	CN048AA	HP Officejet Pro 251dw /276DW/8100/8600/8610/8620
49	CN053AA	HP OfficeJet 7510 /7110/7610/7612
50	CN054AA	HP OfficeJet 7510 /7110/7610/7612
51	CN055AA	HP OfficeJet 7510 /7110/7610/7612
52	CN056AA	HP OfficeJet 7510 /7110/7610/7612
53	Q6000A	HP LASERJET 2600/2605/1600
54	Q6001A	HP LASERJET 2600/2605/1600
55	Q6002A	HP LASERJET 2600/2605/1600
56	Q6003A	HP LASERJET 2600/2605/1600
57	Q7553A	HP LASERJET P2015/P2014/MFP2727/
58	CF350A	HP M153/M176/M177
59	CF351A	HP M153/M176/M177
60	CF352A	HP M153/M176/M177
61	CF353A	HP M153/M176/M177
62	CE400A	MFP M575f/M551/M570/M575
63	CE401A	MFP M575f/M551/M570/M575
64	CE402A	MFP M575f/M551/M570/M575
65	CE403A	MFP M575f/M551/M570/M575
66	CZ192AC	M435/M701/M706

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ANNEXURE – IV

Orders No. *1536* /156/2017-18/Bud-V, Dt: *7* - 04-2017

Procedure for Purchase of Desktop Systems/Servers/Laptops/
Workstations/Printers/Scanners/UPS Systems, etc.

1. The Principals / Heads of Departments / Directors / Project Investigators/ Administrative Officers (Users) of Osmania University shall put up proposals for the purchase of Computer Server equipment with following information to the Director (Infrastructure), O.U.
 - a. Need Analysis by the Purchase Committee of the College/Department/Office, with reference to the number of Computer Servers already existing and whether they are fully utilized.
 - b. Source of finance (Provision and amount available)
 - c. Detailed configuration of Computers and peripherals with quantity of each item along with brand names from the latest Tender list.
2. The Director (Infrastructure) shall provide prices and firms based on rates approved by Executive Council and forward the same to the concerned authority (Finance Officer/Dean, UGC Affairs) for the further processing.
3. After obtaining administrative approval from the competent authority - the Registrar/an Officer authorized by him will issue administrative sanction for the purchase.
4. After obtaining the administrative sanction, the Principal/Heads of Departments/Directors/Project Investigators/ Administrative Officers of Osmania University can prepare the purchase order on the name of the Firms identified by the Director (Infrastructure), Osmania University.
5. In the purchase order, User has to mention the name of the Head of Account (with full details) to which the expenditure is proposed to be tapped so that the Firm will issue the bills on the name of the Registrar with Head of account name.
6. After receiving the ordered items from the Firms, Users shall test the items and prepare a satisfactory certificate in triplicate. One of the triplicate certificates shall be retained by the User, second one shall be sent to the Registrar, Osmania University and the other shall be given to the Firm.




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ANNEXURE – V

Order No: **1536** /156/Bud-V/2017-18, Date: **7**-04-2017

ADDRESSES/CONTACT NUMBERS OF APPROVED / EMPANELLED VENDORS

S.No	Name of the Firm	Order to be Placed On	Contract Number
1	M/s. Microcare Computers Pvt Ltd, Hyderabad	M/s. Microcare Computers Pvt Ltd, Hyderabad 101, 104-106, Ratna Complex, Behind Image Hospitals, Ameerpet, Hyderabad -73	Phone No. 040-23743254/8934, 23754517/19 Fax:- 040 - 23740305, Cell: 9949997136
2	M/s. Gowra Bits & Bytes, Secunderabad	M/s. Gowra Bits & Bytes, Secunderabad 1-8-144, First Floor, P.G Road, Secunderabad -500 003	Phone No. 040-27818483 040-66385718 Fax:- 040 -66267788, Cell: 9177320002
3.	M/s. Parity Systems Pvt Ltd, Secunderabad	M/s. Parity Systems Pvt Ltd, Secunderabad Flat No. 8, Plot No. 28/A Wellington Plaza, Picket, Secunderabad – 500009	Phone No. 040 - 64634433 Cell: 9133078613
4.	M/s. Sai Technologies, Hyderabad	M/s. Sai Technologies, Hyderabad Flat No. 102, Sunny Enclave, Malkajgiri, Hyderabad	Cell: 9440200007 8374438834
5.	M/s. Ascent e-Digit Solutions (P) Ltd.,	M/s. Ascent e-Digit Solutions (P) Ltd., Plat No 26, First Floor, Suriya Nagar, Karkhana, Secunderabad – 500 009	Cell: 97911 11311
6.	M/s. Akshara Enterprises, Hyderabad	M/s. Akshara Enterprises, Hyderabad # 3-6-182/1&2, Street No – 17, Urdu Hall Lane, Himayatnagar, Hyderabad – 500 029	Phone No. 040 – 27568888
7	M/s. Lahtimes Technologies, Hyderabad	M/s. Lantimes Technologies, Hyderabad 1-3-183/39/22, Kavadiguda, Gandhinagar Post, Hyderabad – 500 080	Phone No. 040 – 65901111, 65909595 Cell: 9849024174
8.	M/s. Shupraja Batteries, Hyderabad	M/s. Shupraja Batteries, Hyderabad #11-82/404, SVR Residency, Uppal, Hyderabad-500 039	Cell: 9502061144 7032499888
9.	M/s. X-Print Solutions, Hyderabad	M/s. X-Print Solutions, Hyderabad Plot No. 93 #2-22-78/A/401,Sai Paradise, Eenadu Colony, V.V Nagar, Kukatpally, Hyderabad -5000072	Phone No. 040 – 66665899


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