

Date – 8<sup>th</sup> Feb 2021.

1. Laptop ( Make : HP / DELL ).....Approx Cost @ Rs.42,500/- each (4 Unit)

Processor Brand: Intel, Processor Type: Core i3, Processor Generation: 10th or Higher, RAM Size: 8 GB DDR4 Chipset: Integrated (SOC), Computer Memory Type: DDR4, RAM Upgradability: 32 GB, 2 users replaceable DIMM Slots,/ Storage : 256 SSD + 1TB HDD , Standing screen display size: 14 Inch **or** above, Resolution: 1920 X 1080 (Full HD), Camera: HD Camera with Microphone, Speaker Description: Integrated in the laptop, Ethernet Port: 1 (10/100/1000 Gigabit port), Connectivity type: Wi-Fi (802.11ac and AX), Bluetooth-v5.0, Operating System: **Windows 10 Professional** /Warranty: 3 Years NBD including Battery from OEM, Carry bag: OEM backpack with OEM logo.

2. Desktop ( Make : HP / DELL)---- Approx Cost Rs.40,500 /- Each ( 10 Unit)

Processor Brand: Intel, Processor Type: **Core** i3, Processor Generation: 10th Generation or Higher, Processor Speed (Min): 2.00GHz or Higher, RAM Size: 16 GB, Cache /Computer Memory Type: DDR4, RAM Upgradability: 64 GB or Higher, 2 DIMM Slots. Storage: 256 SSD + Hard Drive 1 TB HDD (7200 RPM), Standing screen display size: 18.5 Inches or above, Resolution: 1920 x 1080 (Full HD)/ Ethernet Port: 1 (10/100/1000 Gigabit port), Connectivity type: Wi-Fi (802.11ac and AX)/ Keyboard & Mouse: USB keyboard & mouse (same OEM make), Operating System: **Windows 10 Professional** / Warranty: 3 years NBD from OEM

3. Server: Make : HP / DELL ---- Approx Cost Rs. 3.40 Lakh ( 1 Unit )

Form factor

- Tower (5U rack-able)

Dimensions and weight

Tower	Rack
H: 430.3 mm (17.04 in); with foot 443.3 mm (17.45 in); with wheel 471.3 mm (18.55 in)	H: 218mm (8.58 in)
W: 218 mm (8.58 in); with foot 304.5 mm (11.98 in)	W: 430.3mm (16.94 in) without ear; 482.40mm (18.99 in) with ear
D (without bezel): front to rear wall 542.2 mm (21.33 in); front to PSU handle 578.42 mm (22.77 in)	D (minimum): 538.4 mm (21.19 in) from rack ear back side to chassis rear wall
D (with bezel): front to rear wall 558.6 mm (21.99 in); front to PSU handle 594.82 mm (23.41 in)	D (maximum): 584.05mm (22.99 in)

Processors

Intel® Xeon® processor with 8 Core 20 MB Cache

Processor sockets: 2

Internal interconnect: Two QPI links at 9.6 GT/s

Memory

16 GB ECC MEMORY - 12 DIMM SLOTS - 2400MT/s

I/O slots

Support for up to 6 full height slots: 4 x PCIe 3.0, 2 x PCIe 2.0

<b>RAID controller</b>	Support for a maximum of 1 internal controller and 1 external controller RAID 0,1,5,6, 10 SUPPORTED H730, PERC H730P and PERC H830
<b>Network controller</b>	2 x 1GbE LOMs (NIC 1 GIG X 2 PORTS )
<b>Hard drives Communications</b>	256 SSD + 600 GB HDD X 3 With Raid 5 with Controller. Broadcom® 5720
<b>Power supply Availability</b>	500 Watt redundant PSU Hot-plug drives bays; high-efficiency, hot-plug, redundant power supply units;
<b>Operating System</b>	Microsoft Windows Server latest Edition License Warranty 3-3-3 Years

**4. LASER MONO PRINTER – ( HP laser -Jet Printer )** Approx. Cost Rs. 15250/- ( 01 unit )

25 ppm / 1 port USB 2.0 / 1 Ethernet Port / Wi-Fi 802. 11 b/g/n / 1 year warranty

**5. USB – PEN DRIVE:** 64 GB metal body ..... HP / SAMSUNG / SONY - Approx Cost @ Rs.750 )

**6. MOBILE PHONE ( MODEL : SAMSUNG M21 )..... Cost @ Rs. 15,000/-**

Processor – 1.7 Ghz – Octa Core / Ram – 4 GB & Rom – 64 GB – support up to 512 GB  
Rear Camera – 48.0 MP + 8.0 MP + 5.0 MP  
SIM- Dual sim – 2G /3G / 4G – FDD & TDD support  
Weight – 188 G

**Cost Sheet –**

Laptop (42500 x 4) = Rs. 1,70,000.00

Desktop (40500 X 10) = Rs. 4,05,000.00

Server with License ( 1 ) = Rs. 3,40,000.00

Printer ( 1 unit ) = Rs. 15,250.00

Pen-drive ( 04 unit ) 750 x4 = 3000.00

Mobile Phone ( 01 Unit ) = Rs.15000

**Total Cost Rs. 9,48,250.00 (Tender Budget).**



DETAILS ESTIMATE FOR LIBRARY ROOM & CHEMISTRY LABORATORY REPAIRING WORK AT MAHARAJA MANINDRA CHANDRA COLLEGE CAMPUS					
As Per WBPWD Schedule of Rate-2017					
Sl. No.	Description of Items	Qty	Unit	Rate	Amount
<b>PART A (CENTRAL LIBRARY)</b>					
1	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed	30.00	Sqm	19.00	570.00
2	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping untill hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of the Engineer - in - Charge.	10.00	sqm	90.00	900.00
3	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time as per manufacturers specification. (0.4 Kg / m <sup>2</sup> of concrete surface).	10.00	sqm	309.00	3,090.00
4	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification][Mode of measurement:The affected surface area of reinforcement shall be considered for payment]	10.00	sqm	782.00	7,820.00
5	Cement concrete (1:1.5:3) with graded stone chips 5.6 mm size with hexagonal square mesh wire netting, I.R.C. fabric mesh or X.P. M. fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X. P. M. & cost of all handling and scaffolding complete as per direction of Engineer-in -charge.c) 37.5mm thick ULTRA TECH/ AMBUJA	10.00	sqm	587.00	5,870.00
6	Making one set of scaffolding only for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-incharge.				-
	a) 3.90 metre height	3.00	Each	279.00	837.00
7	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface.				-
	(ii) c/ With 1:4 cement mortar ,b) 20 mm thick plaster. Inside wall	15.00	Sqm	198.00	2,970.00
	(A) AT SECOND FLOOR				-
8	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats)				-
	ii) Luxury Quality ASIAN PAINTS /NEROLA /BERGER	185.00	Sqm	70.00	12,950.00
	(A) AT SECOND FLOOR				-
9	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC.				-
	ii) Solvent based interior grade Acrylic Primer,(b) two Coats ASIAN PAINTS /NEROLA /BERGER	30.00	SqM	48.50	1,455.00
	(A) AT SECOND FLOOR				-



Sl. No.	Description of Items	Qty	Unit	Rate	Amount
	<b>PART B (CHEMISTRY LAB)</b>				-
10	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (a) For Exposed Work (i) CPVC Pipes Class-1, SDR-11	68.00	mtr.	698.00	47,464.00
	(Dia) 50 mm	70.00	sqm	34.00	2,380.00
11	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m	2.00	Each	16.00	32.00
12	Cleaning wash basin/ sink with acid.	75.00	sqn	10.17	762.75
13	Removing old scales, blisters etc. of interior surface of walls, ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (1:2) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge).	2.00	cum	597.00	1,194.00
14	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof	20.00	mtr.	6.00	120.00
15	Labour for dismantling G.I. pipe with fittings. (i) 15 mm	3.00	cum	278.00	834.00
16	Dismantling carefully wood work in posts, postplates, rafters, partition etc., sorting and stacking serviceable materials at site and removing rubbish as directed	0.09	cum	83283.00	7,495.47
17	(B) Dressed wood work in post, plate, battens etc. fitted & fixed complete (excluding the cost of bolts only, but including the cost of nails, screws etc.) (The quantum should be corrected upto three decimals)(iii) Sal : Malaysian	10.00	each	91.00	910.00
18	Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iv) 1050 mm long	2.00	each	147.00	294.00
19	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (v) 900 mm long	3.00	each	119.00	357.00
20	Supplying, fitting and fixing C.I. round grating. (iii) 225 mm	4.00	Each	861.00	3,444.00
21	Supplying, fitting and fixing bib cock or stop cock. (c) (i) Chromium plated Bib Cock (angular shape with wall flange) (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar brand).	4.00	Each	953.00	3,812.00
22	Supplying, fitting and fixing bib cock or stop cock. (ii) Chromium plated concealed Stop Cock heavy duty (Equivalent to Code No. 5083 & Model - Florentine of Jaquar or similar brand).				-
23	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats)				-
	ii) Luxury Quality ASIAN PAINTS /NEROLA /BERGER	175.00	Sqm	70.00	12,250.00
	<b>(A) AT THIRD FLOOR</b>				-
24	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC.				-
	ii) Solvent based interior grade Acrylic Primer, (b) two Coats ASIAN PAINTS /NEROLA /BERGER				-



Sl. No.	Description of Items	Qty	Unit	Rate	Amount
		30.00	SqM	48.50	1,455.00
	(A) AT THIRD FLOOR				
25	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed	30.00	Sqm	19.00	570.00
26	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping untill hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of the Engineer - in - Charge.	5.00	sqm	90.00	450.00
27	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time as per manufacturers specification. (0.4 Kg / m <sup>2</sup> of concrete surface).	5.00	sqm	309.00	1,545.00
28	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification][Mode of measurement:The affected surface area of reinforcement shall be considered for payment]	5.00	sqm	782.00	3,910.00
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30	Making one set of scaffolding only for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-incharge.				-
	a) 3.90 metre height	3.00	Each	279.00	837.00
31	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface.				-
	(ii) c/With 1:4 cement mortar ,b) 20 mm thick plaster. Inside wall	15.00	Sqm	198.00	2,970.00
	(A) AT THIRD FLOOR				132,483.22
					15,897.99
	Add 12% for G.S.T				148,381.21
					1,483.81
	Add 1% for labour cess				149,865.02
					149,866.00