

# **DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI**



# **TENDER DOCUMENT**

## **TITLE OF THE JOB**

**MAINTENANCE & REPAIR OF  
DOW COLLECTION POINT,  
(OUTSIDE & INSIDE CITY), KARACHI  
REF NO: DUHS/W&S-NIT/2021/071**

**NIT # DUHS/W&S/2021/445  
DATED: JULY 03, 2021**

**OFFICE OF PROJECT DIRECTOR WORKS & SERVICES  
DOW UNIVERSITY OF HEALTH SCIENCES,  
BABA-E-URDU ROAD, BESIDES CIVIL HOSPITAL, KARACHI  
TEL / FAX # 021-99216065  
E-MAIL: [rahim.khan@duhs.edu.pk](mailto:rahim.khan@duhs.edu.pk)**

**SUBJECT: MAINTENANCE & REPAIR OF DOW COLLECTION POINT, (OUTSIDE & INSIDE CITY), KARACHI.**

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To,

**THE PROJECT DIRECTOR**

Works & Services Department,  
Dow University of Health Sciences, Karachi.

1. Having examined the tender documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities for the execution of the above-named work, we/I, the undersigned, offer to execute and complete the work and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities for the sum of Rs. \_\_\_\_\_  
(Rupees \_\_\_\_\_) or such other sum as may be ascertained in accordance with the said conditions.
2. We/I understand that all the Appendices attached hereto form part of this bid.
3. As security for due performance of the undertakings and obligations of this bid, we/I submit herewith a bid security in the amount of Rupees \_\_\_\_\_ (Rs. \_\_\_\_\_) drawn in your favour or made payable to **Dow University of Health Sciences (DUHS)** and valid for a period of \_\_\_\_\_ days beginning from the date, bid is opened.
4. We/I undertake, if our bid is accepted, to commence the works and to complete the whole of the works comprised in the contract within the time stated in Appendix-A to Bid.
5. We/I agree to abide by this bid for the period of 90 days from the date fixed for opening the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We do hereby declare that the bid is made without any collusion, comparison of figures or arrangement with any other bidder for the works.
8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.
10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the

constitution of the joint venture shall not be altered without the prior consent of the procuring agency.

In the capacity of \_\_\_\_\_duly authorized to sign Bids for and on behalf of  
Dated this \_\_\_\_\_day of \_\_\_\_\_2021.

**Signature:** \_\_\_\_\_

**(Name of Tenderer in Block Capitals)**

**(Seal)**

**Address:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Witness:**

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Occupation:** \_\_\_\_\_

## APPENDIX-A TO TENDER

1	Amount of Performing Security	<b>2%</b> of the Contract price. Total amount including performance security and retention money deducted from bills 5% of contract price stated in Letter of Acceptance.
2	Time for Furnishing Programme (Commencement of Work)	Within from the date of receipt of Letter of Acceptance.
5	Time of Commencement	Within 10 days from the date of receipt of Project Director's Notice to Commence, This shall be issued after signing of Contract Agreement.
6	Time of Completion of Works	<b>12 Months</b> days from the date of Notice to Commence.
7	Amount of Liquidity Damages/ Delay Damages / Penalties	<b>0.1%</b> per day of Contract Price for the work remains un-commenced and un-completed after due date up to maximum of <b>10%</b> of Contract price and after that termination of contract after 07 day's notice.
8	Defect Liability Period/ Period of Maintenance	90 days from the effective date of Taking over/ Completion Certificate.
9	Percentage of Retention Money	<b>10%</b> of the amount of the Interim/Running Payment Certificate.
10	Limit of Retention Money	<b>5%</b> of Contract Price stated in Letter of Acceptance.

**Signature of Contractor /Seal of Firm  
Authorized representative of Firm**

# INSTRUCTIONS TO TENDERS

- i. Project Director Works & Services, Dow University of Health Sciences, calls tenders for the “**MAINTENANCE & REPAIR OF DMC CAMPUS, DUHS, KARACHI**” with the bill of quantities attached here to be submitted by or before 01:30 P.M on **27-07-2021**. Tenders cost will not be reimbursed for any cost of any kind whatsoever incurred in connection with the preparations and submission of their tenders.
- ii. The tender for the each work should be in the sealed envelope bearing name of the work / contractor / firm clearly marked and addressed to Project Director, Works & Services, Dow University of Health Sciences, Karachi.
- iii. The tender may be delivered in person or sent by registered mail so as to reach on or before the date and time stated above. Any tender received after the stipulated time will not be considered regardless of the cause of delay.
- iv. All tender are invited to the present for the opening of the tender in **27-07-2021** at 02:00 P.M. The name of each tenderer and his total contract price only will be read aloud and recorded.
- v. Any tender/tenders without earnest money will not be entertained. Earnest money of the awarding firm may be return after successful completion of work. If the supplier fails to commence or complete the awarded work within the stipulated time his/her work order will be cancelled as per rule and earnest money shall also be forfeited.
- vi. Detailed particulars of the work / works can be seen in the Project Director Office on any working day during the office hours.
- vii. Tender shall be made in the form supplied therefore, with all items and blanks properly filled in. all data and figures and the signature of persons signing the tender shall be in ink. The completed BOQ should be without interlineations, alterations or erasures but if these are necessary to correct errors made by the tenderer, person(s) signing the tender shall initial them. Conditional tenders will not accepted.
- viii. All unit prices filled in the schedule of quantities shall be firm. The unit prices against each item of work and estimate amount and all other data called for shall be given.
- ix. All prices quoted shall be deemed to include all costs of performing the works, including labour, material, duties, octori charges, royalties permit etc. and **all (Provincial & Federal applicable taxes including Income Tax, Sindh Sales Tax, GST and other taxes, (if any)** no claim whatsoever shall be accepted in case of escalation any or all prices entered in rate of bid.
- x. The actual sum to be paid to the contractor whose tender is accepted shall be determined by measuring the work actually done or supplying/repairing the actual number of items in accordance with the work order and valuing it all the rate or prices by the contractor in the tender.
- xi. “In-case of discrepancy between the unit price and amount entered for any item in the schedule of quantities, the unit price will be taken as correct and the amount will be adjusted accordingly when the tender is being examined”.
- xii. 10 % security deposit will be deducted from each bill on the paid amount of the contract, which will be returned after maintenance period of 03 months.

- xiii. The tender must be signed in each and every page by a person(s) authorized to do so.
- xiv. The site can be visited on any working day during the office hours.
- xv. “Engineer” means the Project Director Works & Services of the University or any other Engineer appointed by him.
- xvi. The earnest money will be forfeited in case the contractor fails to commence the work within 10 days’ time after issue of work order or left the work incomplete after commencement and during execution.
- xvii. The Competent Authority reserve the right to reject any or all the tenders, increase or decrease the scope of work.
- xviii. That the Contractor shall be responsible to keep in good condition the premises of the University and shall not damage any property belonging to student of the University and incase of any loss damage caused by the contractors or its employee to any property of the compensate and or indemnify the university or the student as the case may be.

**PROJECT DIRECTOR**  
Works & Services Department  
Dow University of Health Sciences, Karachi

**DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI**  
**DIRECTORATE OF WORKS & SERVICES**

**TERMS & CONDITIONS**

1. The work should commence within 10 days from the date of letter of award
2. Inspection: Engineer In-charge will make Inspection of Work.
3. 0.1% per day LD shall be imposed, but not more than 10% of contract value in case of late delivery / late completion of work.
4. Quantities shown in the quotation are approximate and no claim shall be entertained for quantities of executed being more or less than those entered in the BOQ.
5. All prices will include all costs of performing the works, including labour, material, duties, octori charges, royalties permit & transportation etc., as mentioned in BOQ and all Provincial & Federal applicable taxes including Income Tax, Sindh Sales Tax, GST and other taxes, (if any).
6. No subletting of all or any part of work will be allowed at any cost / reasons.
7. The contractor will see the site / sample before quoting the rates.
8. If the work / supply is not found according to the specifications or given samples, the same will be rejected at risk and cost of the contractor. In case of contractor fails to work / supply the order, the firm will be blacklisted.
9. Payment
  - a. supplied valuing it at the rates/prices quoted in the approved quotations.
  - b. 10% security deposit will be retained from each bill upto a period of (03) three months from the date of supply of order.
  - c. Payment will be made as per actual / verifiable work one.
10. Request letter for issuance of tender documents should be supported with:
  - a. Copy of GST, SST & NTN registration Certificate and PEC Registration in relevant Category with the following codes BC01, CE01, CE09, CE10, EE01, EE02, EE04, EE06, EE07, ME01, ME02 (MANDATORY).
  - b. Copies of all relevant Certificate/Authorization letter must be attached (where required) mentioned with Tender Enquiry.
11. The bidder must have done at least three (03) contracts of similar nature and magnitude and complexity for which these bids have been invited (Please submit copy of PO / Contract Agreement / Notification of Award).

12. The Bidder should not have been barred of any of provincial or federal Govt. Deptt. Agency, organization or autonomous body or private sector organization anywhere in Pakistan. (Submission of undertaking on 100/- legal stamp paper). All the proposed reports should be well known for its quality, performance and reliability.
  
13. The bidder's must have at least average annual turnover during the last 3 years should not be less than the relevant PEC Category requirements as reflected at Clause 10(a) above.

**PROJECT DIRECTOR**  
Works & Services Department  
Dow University of Health Sciences, Karachi



**MAINTENANCE & REPAIR OF  
DOW COLLECTION POINT,  
(OUTSIDE & INSIDE CITY), KARACHI  
REF NO: DUHS/W&S-NIT/2021/071**

**ABSTRACT**

<b>S. No.</b>	<b>Item of Work</b>	<b>Amount</b>
<b>1</b>	<b>CIVIL WORK</b>	
<b>2</b>	<b>PLUMBING WORK</b>	
<b>3</b>	<b>ELECTRICAL AND DATA NETWORK</b>	
<b>4</b>	<b>FURNITURE AND ITEM SUPPLY</b>	
<b>5</b>	<b>LAB EQUIPMENT</b>	
<b>TOTAL AMOUNT RS.</b>		

\_\_\_\_\_  
**CONTRACTOR**

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>CIVIL WORK</b>					
1	Dismantling of Existing Block Masonry and disposal of rubbish materials by mean of Tractor Trolley or Dumper.	175	Cft		
2	Dismantling of Existing flooring / skirting i/c C.C layer and disposal of rubbish materials by mean of Tractor Trolley.	1,000	Cft		
3	Providing and laying Class 'D' 1:3:6 cement concrete Solid Block Masonry wall 4" to 8" in thickness and above set in 1:6 cement sand mortar in ground floor superstructure i/c racking of joints and curing, etc, complete.(Minimum crushing strength 1300-lbs/P.S.I)				
3.1	<b>100 mm Thick</b>	1,000	Sft		
3.2	<b>150 mm Thick</b>	1,750	Sft		
3.3	<b>200 mm Thick</b>	750	Sft		
4	Cement Plaster in Ratio 1:6 (15 mm Thick) i/c floating coat of cement in proper design & profile on walls/beams & columns .This rate also i/c providing expanded metal at the joint of R.C.C. members and block masonry where as required etc complete in all respects as per specifications and drawings and approval of Engineer Incharge.	6,750	Sft		
5	Cement Plaster in Ratio 1:4 (13 mm Thick) i/c floating coat of cement in proper design and profile on walls, beams & columns etc complete in all respects as per specifications and drawings and approval of Engineer Incharge	6,750	Sft		
6	Removing or scraping oil and distemper from walls i/c removal rubbish materials from site.	10,000	Sft		
7	Applying 3 Coats of Plastic emulsion Paint i/c primary coat of chalk and preparing base surface and filling where as required specifications etc complete in all respects as per directives of Engineer In charge.	16,250	Sft		

8	Applying 3 Coats of Silk Matt Finishing with primary coat and preparing base surface and filling where as required as per requirement of Architecture Drawings and specifications etc complete in all respects as per directives of Engineer In charge.	33,000	Sft		
	P/Applying 3 Coats of Weather Shield Paint of superior quality i/c preparing base surface and filling etc complete in all respects as per directives of Engineer In charge.	4,250	Sft		
9	Preparing surface and painting Doors and Windows any type including edges ( Iron or wooden or partially glazed).	1,750	Sft		
10	Providing & fixing cement paving block flooring having Size of 200 x 100 x 60 (mm) of City / Quadra / Cobble Shape in a specified pattern and design with the combination of natural colour and colored blocks, having strength b/w 4000 lbs. / Sft to 6000 lbs. / Sft over 2" thick compact bed of crush ash i/c filling the joints with river sand and also i/c proper compaction with compactor instruction given by the Engineer Incharge.	1,550	Sft		
11	Providing and fixing gypsum false ceiling 2'x2' with aluminum channel framing imported. E.t.c complete	6,240	Sft		
12	P/F 12mm glass fixing for Front Elevation & Cubical rooms partition & glass Door with Imported Machine etc complete.	3,500	Sft		
13	Providing & fixing aluminum partition with kick plate section 4" wide with 5mm / plain glass including lock, handle with all respect accessories etc complete.	1,250	Sft		
14	Providing & applying handmade heavy <b>textured paint</b> of ICI or Burger or approved equivalent of approved shade from ICI or burger color bank on external surface, i.e. walls, columns, beams etc. including preparation of base etc. complete at any height as per drawing	1,100	Sft		

14	<p>Providing and fixing Printed Granite Porcelain Tiles Flooring jointed in white cement and laid over bed of 1"to 2" thick grey cement concrete bed in ratio 1:2:4 i/c washing / filling of joints with white cement etc: complete in all respect ( Imported Premium Quality costing Rs 1800 per meter or above )</p> <p><b>Flooring</b></p> <p><b>Wall Dado</b></p> <p><b>6" Wide Wall Border</b></p>	5,500	Sft		
		1,750	Sft		
		750	Sft		
15	<p>Providing and fixing Printed Glazed Ceramic Tiles Flooring (12"x18"x1/4" or above ) jointed in white cement and laid over bed of 1/2"thick grey cement sand mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect (Imported Premium Quality costing Rs 1600 per square meter or above)</p>	2,750	Sft		
16	<p>Providing &amp; Fixing Sign board with Printed Pena flex, M.S Framing &amp; M.S Sheets including Electric Caballing &amp; also fixing LED Tube Light.</p>	600	Sft		
17	<p>Providing &amp; Fixing Pole Sign board with 4" Dia M.S Pipe 16-Swg, Printed Pena flex, M.S Framing &amp; M.S Sheets including Electric Caballing &amp; also fixing LED Tube Light Welding, Paint etc Complete. Size 4' x 6'</p>	10	Each		
18	<p>Provide &amp; Fixing Advertising Sign Board with wooden frame &amp; best quality pan flex. Size: 2' x 3'</p>	60	Each		
19	<p>Removing of Existing Sign Board &amp; Damage Items</p>	10	Each		
20	<p>Repairing of Roller Shutter change Barrings, M.S plat, with Oil paint etc complete as per Required. 4'x3' pol ht 10'</p>	10	Each		
21	<p>Providing &amp; Laying 3/4" thick Imported Ten Brown / Black Galaxy Granite set in 1:3 ratio mortar with grounding i/c cutting making shapered gola, Line as approved shade by Engineer complete in all respect.</p>	650	Sft		

22	Providing and laying cement concrete tile 12" x 12" with cement mortar and joint filling with grey cement curing etc complete	1,750	Sft		
23	Shifting of laboratory item and equipment furniture from Karachi to out of station lab and stat lab transportation etc complete	05	Job		
24	Providing and fixing Vinyl Tile Flooring and in dado of approved make and design with adhesive solution over existing floor etc complete in all respects as directed by Engineer Incharge.	1,280	Sft		
25	ACP Cladding Sheet, BRANDED, "I-Bond" , Premium American Brand, FR "PVDF Coated", Overall "4 mm" Thickness with "0.5 mm" Aluminum Skin on Front Side & 0.3 mm on Back Side & Polyethylene b/w Skins. KYNAR 500. PSB Test Passed. ISO & AusS Certified. 20 Years Shining Warranty. With Scaffolding & Electricity. Complete in all Respect with Fixing & Hardware Accessories.	650	Sft		
26	Providing and fixing in position Doors Shutter 1-1/2" thick Teak wood ply shutters (Partially glazed with frost glass where as required) over first class partal wood skeleton (Solid) styles and rails core of partal wood and Teak ply wood (3 ply) on both sides including hold fasts, hinges, iron tower bolts, handles and cleats with cord etc complete in all respects	225	Sft		
27	Providing and fixing G.I. sheet chowkats of 18 gauge for doors i/c pouring C.C. 1:2:4 inside chowkat etc: complete in all respect.				
	a) 2" x 9½"	100	Rft		
	b) 2" x 7½"	175	Rft		
	c) 2' x 13½"	25	Rft		
28	M / Fixing Golden Teak Wood Chowkat size i/c hold fasts and fixing in block or brick masonry etc complete in all respects as per directives of Engineer Incharge				
	a) 7-1/2" x 2"	175	Rft		
	b) 9-1/2" x 2"	125	Rft		

29	P/F 12 mm thick glass door s.s handle with imported machine and frost paper film complete in all respect	100	Sft		
				<b>TOTAL</b>	

S.No	Description	Qty	Unit	Rate	Amount
<b>PLUMBING WORKS</b>					
1	Providing & fixing 24" x 18" bavelled edge mirror of glass complete with glass shelf, 1/8" thick hard board and C.P screws fixed to wooden pleat. (Superior Quality)	10	Each		
2	Providing & fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long C.P brass screws. (Superior Quality) 24" Long	10	Each		
3	Supplying & Fixing soap tray of made plastic of superior quality and design with fine finishing with C.P screws etc Complete.	10	Each		
4	Providing and fixing Asian W.C Orisa type white or color glazed with low level flush tank/cistern connecting pipe and all accessories, filling, waste, traps, CP flexible pipe, T-stop cock as per approved sample of Master or equivalent brand with check nuts all joints plugging and screwing as necessary to the structure with pedestal etc. i/c making requisite number of hole in wall plinth and floor and making good in cement concrete 1:2:4. Complete in all respect and to the entire.	8	Each		
5	Providing & fixing lavatory basin with mixture in white glazed earthen ware complete with & i/c the cost of W. I. Or C. I. Cantilever brackets 6 inches built into walls, painted white in 2 casts after a primary coat of red lead paint, a pair of 1/2" dia chrome plated pillar traps 1-1/2" rubber plug & chrome brass waste of approved pattern 1-1/4" dia malleable iron or c. p. brass traps, malleable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connection & making good in cement concrete 1: 2: 4. (Foreign or Equivalent).	8	Each		

6	Providing & Fixing Muslim Shower with Double Bib Cock (Master) (Sanitary Item)	25	Each		
7	Providing & Fixing Tee Cock with Crystal Head 1/2 Dia. (Sanitary Item)	20	Each		
8	Providing and fixing side pillar cock 1/2" dia approved quality make	15	Each		
9	Providing and fixing waste Jali stainless steel 6" x 6"	10	Each		
10	Providing and fixing liquid soap dispenser	05	Each		
11	Providing & Fixing Schedule 40 UPVC pipe with special fitting				
	a) 1/2" dia	175	Rft		
	b) 3/4" dia	250	Rft		
	c) 1" dia	125	Rft		
	d) 1-1/4" dia	175	Rft		
	e) 4" Dia	225	Rft		
12	Providing & Fixing Y-Tee 4" Dia	8	Each		
13	Providing & Fixing Elbow 4" Dia 45°	8	Each		
14	Providing & fixing Bend 90° 4" Dia	8	Each		
15	Providing & fixing Air Pipe Cap/Caval 4" Dia	8	Each		
<b>TOTAL</b>					

S.No	Description	Qty	Unit	Rate	Amount
<b><u>ELECTRICAL AND DATA NETWORK</u></b>					
1	Wiring for main 2-7/0.44 PVC wire in casing capping	20	Each		
2	Wiring for mains with 2-7/.036 PVC wire on PVC casting and capping.	18	Each		
3	Wiring for mains with 2-7/.029 PVC wire on PVC casting and capping.	38	Each		
4	Wiring for light and fans point 3/0.29 in channel patti	100	Each		
5	Providing and Fixing Multi Socket Double 13 AMP (China)	100	Each		
6	Providing & fixing multi socket / power plug.	100	Each		
7	Providing, installation, testing, commissioning and termination of following size of CU/PVC/PVC & CU/XLPE/PVC Cables for Distribution Board in PVC conduit/Cable Tray, including all accessories, Complete in all respect as per required.				
a	50mm 4-Core + ECC	60	Rft		
b	25mm 4-Core + ECC	100	Rft		
c	16mm 4-Core + ECC	100	Rft		
d	16mm Single Core + ECC	100	Rft		
e	10mm Single Core + ECC	125	Rft		
f	6mm Two Core Wire + ECC	150	Rft		
8	Providing & Fixing 2'-0" x 2'-0" LED Ceiling Light.	60	Each		
9	Supplying Mosquito Electronic Killer Machine	14	Each		
10	Provide & Fixing Bracket Fan 18" Dia (Pak Fan or Equal)	20	Each		
11	Supplying & Fixing Energy Savers 24-Watt	18	Each		
12	Power Board Extension	14	Each		



13	<p>Supplying, testing &amp; commissioning High ambient split type air conditions wall mounted with decorative grill electric-220 volt-50HZ, single phase capacity -12000 Btu (1 Ton net capacity) out Door condenser tube 360 psi tested evaporator 180 psi tested operation condition ambient 55 celicuse compressor (Rotary) T3 type tested on 60 celicuse ambient. i/c making holes with diamond bit, nut, bolts including cartage etc complete in all respect. Make: Toshiba / Panasonic / Daikin / Zamil, Country of Origin: Japan / KSA / USA or equivalent.</p> <p>a) 18000 BTU 1.5 ton</p>	3	Each		
	<p>Supplying, testing &amp; commissioning High ambient split type air conditions wall mounted with decorative grill electric-220 volt-50HZ, single phase capacity-18000 Btu (1.5 Ton net capacity) out Door condenser tube 360 psi tested evaporator 180 psi tested operation condition ambient 55 celicuse compressor (reciprocating) T3 type tested on 60 celicuse ambient. i/c making holes with diamond bit, nut, bolts including cartage etc complete in all respect. Make: Toshiba / Panasonic / Daikin / Zamil, Country of Origin: Japan / KSA / USA or equivalent.</p> <p>b) 12000 BTU 1.0 ton</p>	3	Each		
14	<p>Providing and fixing Copper piping 5/8" x 1/4" such as drain complete insolation with channel 40" x 40" with drain pipe</p>	275	Rft		
15	<p>Installation with wall angle Rawal Bolt etc Complete</p>	13	Each		
16	<p>Supplying &amp; Installation Extra Control Wire 110/76 connecting for Outer Unit.</p>	425	Rft		
17	<p>Channel patti 40 x 40</p>	125	Rft		
18	<p>Channel patti 60 x 60</p>	125	Rft		
	<p><b><u>DATA / IT WORK</u></b></p>				
19	<p>Supplying Dome Camera HIKVISION HD Buttlet varifocal 720 TVL for outside 35-40 Meter</p>	42	Each		

20	Setting up CCTV Network DVR for Viewing Camera Remotely (Smart Phone & Computer) via Internet using static IP	6	Each		
21	New DVR for CCTV Cameras Model No: 7200 HIKVISION 08 channel	6	Each		
22	Complete Installation of CCTV Cameras with Cabling, Channeling & Ducting Complete Job with All Respect	6	Each		
23	Supply of Hard Disk drive 1TB (one tera Byte) for CCTV Recording	6	Each		
24	DVR box 4U rack	6	Each		
25	Distribution Board Size 26" x 20" x 6" with TP 63 Amp, 20-Amp Backer (4-Nos.) 10-Amp Backer (12-Nos) Indicator Light (3-Nos), Phase Selector 32-Amp (3-Nos,)	4	Each		
26	Providing and Installation of following face plate switches and sockets including sheet steel back box concealed in wall. Clipsal or equalant.				
a	Gang 1	10	Each		
b	Gang 2	8	Each		
c	Gang 4	13	Each		
d	Gang 5	15	Each		
e	Gang 6	16	Each		
f	Gang 8	25	Each		
g	gang 10	12	Each		
28	Providing and installation of Cat-6 UTP Cable with 20mm/25mm conduit PVC pipe with all respect accessories etc complete	4,250	Rft		
29	Cat-6 IOS	75	Each		
30	Face Plate Double Sheet	50	Each		
31	Face Plate with Sheet	40	Each		
32	Face Plate Back Box	60	Each		
33	Patch Cord 3 Feet	75	Each		
34	Patch Cord 7 Feet	75	Each		

35	Micro link 6U Mount Network Rack with Fan	9	Each		
36	Linksys Cisco Network Switch (16 Port)	9	Each		
37	3M Cable Manager	9	Each		
38	Cat-6 Connector with Boot	125	Each		
39	Micro Tik Router Board RB 950/750GL: Give 10/100/1000 Gigabit Ethernet Ports with Auto.	8	Each		
40	Providing and installation and commissioning 2 core 1.5 mm for camera power supply with conduit 20mm PVC with all respect etc	2,250	Rft		
41	RG-6 Camera Wire (2 Core)	2,250	Rft		
42	BNC Connector cable	44	Each		
43	Power Supply with Back Box	44	Each		
44	Web Cam/ Attendance Camera	9	Each		
45	Providing and installation of online UPS (Green power, Stabimatic or equivalent)				
	a) 1 KVA	4	Each		
	b) 3 KVA	4	Each		
	c) 6 KVA	4	Each		
46	Providing and installation of Isolator Transformer 5KVA input voltage 220 output 220 ground earth $\pm 1\%$ for medical equipment (Green power, Stabimatic, or equivalent)	05	Each		
<b>TOTAL</b>					

S.No	Description	Qty	Unit	Rate	Amount
<b>FURNITURE AND ITEM SUPPLY</b>					
1	Making & fixing Wall/Base Cabinet ¾" thick Lassani Lamination Board with Counter Shelves edge, Formica Press and cupboard, Hinges, S.S Nobs, Lock I/c all Hardware Complete in all Respect.	425	Sft		
2	Making and fixing Side Board 6'-0" x 2'-6" consisting ¾" thick Chip board, wooden lipping on edges of shutter drawer & key Board Try with Drawer Channel, Hinges, Handle, Catcher polish Finish etc Complete. (as per Incharge Instruction)	05	Each		
3	Making and fixing Phlebotomy Chipboard Table 4'-0" x 2'-0" Deep x 4'-0" Height Consisting ¾" thick lamination Board, Wooden Lipping Polish Finish etc Complete.(as per Incharge Instruction)	05	Each		
4	Making and fixing wooden Reception Counter 8'-0" Long 3'-6" height consisting of ¾" thick lamination Board, Wooden Frame & Wooden Lipping on edges of Counter top, drawer unit, Key Board Try with Drawer Channel, Handle, Lock Catcher, hinges and all unit polish finish etc Complete.(as per Incharge Instruction)	05	Each		
5	Providing and installation Stainless Steel Framing Sofa Set 3 Seater. Perforated Sheet on Seat & back.	24	Each		
6	Providing of Office President Chair (543) top Leatherier integrated with Moulded foam Medium seat & Back cushion having fire retarding properties, Laminated Over 3D molded Ply shell, Vinyl backing, P.U. Arms with leatherier Padding, Hydraulic Gaslift, Lockable Tilting mechanism, Small Nylon Fiber Base, P.U. Coated Castors.	24	Each		

7	Providing Guest Pivotal Chair (884) with Fabric Integrated with molded foam Medium seat & Back cushion having fire retarding properties, limited over 3D Molded Shell, Vinyl Backing P.U. Arms, M.S Pipe sled Base in Back Epoxy Coating W/Rubber Boots.	10	Each		
8	Providing of Lobby Seating LB-1 (3-Seater) top Leatherier integrated with Moulded foam seat & Back cushion having fire retarding properties, Laminated Over 3D molded Ply shell, Vinyl backing, M.S pipe Grey Epoxy Coating Frame, S.S Legs with Glides.	12	Each		
9	Providing of steel file cabinet 4 drawers 4'-0" Height with Lock.	05	Each		
10	Providing of Locker safe with Shoot	05	Each		
12	providing and fixing Fire Extinguisher 6 Litre	10	Each		
13	Providing of Note Detector Machine	05	Each		
14	Providing and fixing Liquid Soap Dispenser	05	Each		
15	Providing of Tissue Paper Dispenser	05	Each		
16	Providing of Folding Wheel Chair Imported with Leatherier on Seat & Back with S.S pipe frame and S.S Wheel Etc Complete.	05	Each		
17	Providing of Patient examination Couch with M.S Pipe Powder Coated, Laterite Cover on 4" thick Mattress etc Complete.	05	Each		
18	Providing of weight Machine (RG2-160) with height Scale.	05	Each		
19	Providing of Large Calculator (Imported)	05	Each		
20	Providing of Stapler Large with Pin	05	Each		
21	Providing of Stapler Medium with Pin	05	Each		

22	Providing & Fixing Mirror (2'-0" x 2'-0) (Master)	05	Each		
23	Providing and installation of Centrifuge 80-2 Digital Timer	05	Each		
24	Providing and installation blood Mixture Electronic Machine Zic Zac	05	Each		
25	Providing and installation of Barcode Printer compact desktop with Networking Port etc Complete. (TSC or Equivalent)	10	Each		
26	Providing of Barcode Printer Sticker / Ribbon etc complete	20	Each		
27	Providing and installation HP/equivalent Scanner G3, 110 etc complete.	05	Each		
28	Providing and installation Computer System Core i-3 with all respect accessories and HP 18" LCD. (with international Warranty)	10	Each		
29	Providing and installation Laser HP Printer 40 M-402 DNor equivalent	10	Each		
30	Providing and installation Refrigerator (Dawlance) 18 Cft with Chowki.	05	Each		
31	Providing and installation 3 KVA UPS with Online Double Conversion Topology, Microprocessor Control, DC Starter External isolation Transformer output Single Phase 220V GPO 3000VA	05	Each		
32	Providing and installation 1 KVA UPS with Online Double Conversion Topology, Microprocessor Control, DC Starter External isolation Transformer output Single Phase 220V GPO 1000VA	10	Each		

33	Providing and installation of 3.5 KVA, gasoline generator set. 230 V, 50 Hz, 1 Phase, 3600 RPM, 0.8 PF, Aksa OHV type & Air Cooled ,Recoil Start, Fuel Tank Capacity 15 L. (Aksa or Equivalent)	05	Each		
34	Providing and installation Telephone Sets. (CLI System)	10	Each		
35	Providing of Dust Bin Medium Quality for Urine Sample Area Large Size.	25	Each		
36	Providing of Dust Bin Medium Quality Medium Size.	25	Each		
37	Providing of Dust Bin Medium Quality Small Size for Table	25	Each		
38	Providing of Door Matt	10	Each		
39	Providing and fixing Door hinges Machine (imported made)	08	Each		
40	Providing of Self Ink Rubber Stamp. as per Required Size	40	Each		
41	Making & fixing Acrylic Name Plate with Blue Vinyl Pasting as per required Size. Composing in English & Urdu.	60	Each		
42	Providing of Small Size Plant with Planter	20	Each		
43	Providing of large Size Plant with Planter	20	Each		
<b>TOTAL</b>					

S. No	Description	Qty	Unit	Rate	Amount
<b>LAB EQUIPMENT</b>					
1	Supply of Olympus CX23 Microscope (Special Addition) Specification: Course movement stroke: 15. Coarse adjustment limit stopper, torque adjustment for coarse adjustment knob, fine focus knob. (minimum adjustment gradations 2.5µm) Size: 174mm width 89mm Depth, revealing rang (X x Y) 76mm x 30mm specimen holder.	8	Each		
2	Supplying Eppendorf Centrifuge 5424, (Specification: fixed angle rotor with 24 x 1.5 to 2.0ml max speed: 14650 RPM, Made in Germany, Digital Display)	3	Each		
3	Supply Thermo Centrifuge, (Model: Labofurage 200), Maxim Speed rpm: 5300, RCF xg: 3030g, Capacity ML: 12x15ml, Microprocessor Controller for time and Speed, Drive: Brushless induction motor, microprocessor controlled, Runtime: 1-99 min and continuous operation (Hold), power Supply 220V/50-60 Hz.	3	Each		
4	Water Bath: 15Leter, Temperature Range: min 5°C above ambient upto +95°C. Temp Sensor: 1 pt100 Sensor class A in 4-wire circuit. Voltage: 230V, 50/60 Hz, Electrical Load: approx. 1800 W (during heating)	3	Each		
5	R.O Water Plant with Water Tanker and one Other R.O plant for Backup and conductivity. 30 Liter per/Hour	05	Each		
6	Supply 22 KVA / 17.6 KW (Model: APD-22PE) Diesel Generating Set 400/230 V-50 Hz (Engine Model: 404A-22G, Power output at Rated rpm: 20.6 kWm/27.6 HP) Fuel Tank Capacity: 95-liter, Fuel Consumption at full load 5.4 L/Hr, Engine Speed 1500 Rpm, Coolant Capacity 7-Litre, (Control System: Auto Mains Failure Control Panel. Control with AMF module, Static battery Charger, Emergency Stop Push button) Alarms, Metering via	03	Each		



	<p>LED display, LED indications. Power outlet Terminal board. Dimensions (LxWxH: 1500x900x1172 mm) Dry Weight 655 KG.</p>			
7	<p>Supply Deep Freezer Dawlance Dual compartment- separate freezer and refrigerator compartments, Convertible freezer compartment- can be converted into refrigerator, Faster cooling maintains cooling in power breakdowns, Front drain-easy cleaning. Specification:- Capacity 500 (L / Cu. ft.) Dimension 1385 x 880 x 775 mm.</p>	05	Each	
8	<p>Supply Dawlance 9170 WB M Monogram Series Refrigerator, Capacity: 320 L / 11.3 cu. ft. with Work effectively even at 50 C, cooling retention for 4-5 hours in case of power failure, 5 Pipe oil cooled compressor for faster cooling, Wide body design for maximum storage at eye level, Anti Fungus Gasket.</p>	05	Each	
9	<p>Stool and Urine DR sample Processing Iron 18-Swg Table (Size: 6.17 x 2.0)</p>	03	Each	
10	<p>Stool and Urine DR sample Processing Iron 18-Swg Table (Size: 10'-0" x 2'-0")</p>	03	Each	
11	<p>Supply Sample Processing Iron Moveable Table (Size: 3'-0" x 1'-10" x 3'-0") with Wheel.</p>	03	Each	
12	<p>Rubi Equipment's Iron Stand 18 Swg Table (Size: 8 x 2 x 3) with Three Drawar, Three Cap Board, ¾" thick marble Top, with Wheel.</p>	03	Each	
13	<p>Supply Counter High Chair (CH-1) Teller with S.S Foot Ring, Revolving, Moulded foam Medium seat &amp; Back cushion having fire retarding properties, Laminated Over 3D molded Ply shell, Vinyl backing with leatherier Padding, Lockable Tilting mechanism, Small Nylon Fiber Base, P.U. Coated Castors.</p>	12	Each	

14	Supply Executive pantheon Chair (741) Top Leatherier Integrated with molded foam Large Seat & Back Cushion having fire retarding properties, limited over 3D Molded Shell, Vinyl Backing P.U.Arms with Leatherier Padding, Hydraulic Gaslift, Lockable Tilting Mechanism, Large Nylon Fiber Base, P.U Coated Castors.	10	Each		
15	Providing & Laying Vinyl Flooring & Skirting 2.0mm (Imported) joint with welding and pasting with bonding adhesive made by Germany.	275	Sft		
16	Isolation Transformer 5-KVA (as per Instruction)	03	Each		
17	HUAWEI ATS PANEL Auto and Manual ATS panel with the capacity of 63amp on both sides k electric and Genset. 02x 63amp TP, 02x 4pole magnetic contractors 63amp. Auto and manual selector switch, surge protector, single and three phase output supply, networking and IP ports, Tower body wall mounted latest technology system, protection relay uvt and air flow heat. Complete and well protected panel.	03	Each		
18	Complete Earth pit in all respect with competent Engineers Hand, Depth 35-40 feet width 3-4 inch with Proper UPVC Pipe and UPVC cover for future refilling earth pits, Copper rod 6-10 feet 01 inch, copper rope 70mm to 120mm, proper copper strip with lugs. Testing work earth to Neutral less than 2-V.	05	Each		
<b>TOTAL</b>					