



DOW UNIVERSITY OF HEALTH SCIENCES

ATTENDANCE SHEET

**Procurement of Data Centre Components and Wi-Fi Infrastructure
(Ref. No. DUHS/DP/2021/125)**

Invitation for Bid (NIT) No: DUHS/DP/2021/125 Dated 23rd February 2021

OPENING OF TECHNICAL BIDS / PROPOSALS ON 16 March, 2021 AT 11:30 A.M.

S#	BIDDER (Company / Firm / Contractor)	REPRESENTATIVE (Name)	DESIGNATION	CONTACT NUMBER	SIGNATURE
1-	Comptel	P. Qadir	Richter	03432517604	
2-	Silicon Technology	Wasim Azeem	In Account Manager	0321875527	

16/3/21
ENGR. ABDUL RAHIM KHAN
Works & Services Department
University of Health Sciences
Karachi

16/3/21
PROF. DR. FARIAK DEVIAM
Pro. Vice-Chancellor
Dow University of Health Sciences
Karachi

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi



DOW UNIVERSITY OF HEALTH SCIENCES

ATTENDANCE SHEET

**Procurement of Data Centre Components and Wi-Fi Infrastructure
(Ref. No. DUHS/DP/2021/125)**

Invitation for Bid (NIT) No: DUHS/DP/2021/125 Dated 23rd February 2021

OPENING OF FINANCIAL BIDS / PROPOSALS ON 26 March, 2021 AT 11:45 A.M.

S#	BIDDER (Company / Firm / Contractor)	REPRESENTATIVE (Name)	DESIGNATION	CONTACT NUMBER	SIGNATURE
1	Silicon Technologies	Rasheed Aris	Sr. Account Manager	0321 8755327	
2	ComunTel	Hanif Ghegzi	Sr. Account Mnggr	0343-2517616	

ENGR. ARBUI FAHIM KHAN
Academics Director
Department of Health Sciences
Dow University of Health Sciences
Karachi

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

PROF. DR. KARIYAR DAWANI
Pro-Vice Chancellor
Dow University of Health Sciences
Karachi



SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY
GOVERNMENT OF SINDH


HOME PROCUREMENT PLAN TENDER DOCUMENTS EVALUATION DOCUMENTS CONTRACTS REGISTER LOGIN

NOTICE INVITING TENDER

(1 OF 890) 1 2 3 4 5 6 7 8 9 10 > >> 10 v

NIT ID	Reference No.	Tender Title/Description	Procuring Agency	Posting Date	Correspondence	City	Status	Details
T00382-20-0012	DUHS/DP 20-	Director of Data Procurement Dow University of Health Sciences and W. F. Infrastructure and Board)	0 - 23-02-2021		Karachi	Active	NIT Contract	
T000645-20-0017	Procurement A	XEN DMC Main (27 Local Government Department)	0 - 23-02-2021		Karachi	Active	NIT Contract	

Office of


ENGR. HABIBULLAH KHAN
 Works & Services Department
 Dow University of Health Sciences
 Karachi


PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi



Search

TENDERS

Procurement Directorate

Introduction >

Objectives >

Tenders >

Evaluation >

Conflict of Interest Policy >

Contact Us >

PROCUREMENT PLAN FOR THE FINANCIAL YEAR 2018-19

Procurement of Medical Equipment / instruments under ADP Scheme # 470 "Establishment of Trauma Center, BSL-3 Lab and Provision of Support Services at OICD-DUHS" (Tender No. DUHS/DP/2021/126 Dated 26th February 2021)

(Click here to download the Bidding Documents)

SUPPLY & FIXING DIFFERENT FURNITURE & FIXTURES AT DOW COLLEGE OF PHARMACY (DCOP), OJHA CAMPUS, DUHS, KARACHI (REF NO: DUHS/W&S/2021/067). (MIT NO: DUHS/W&S/2021/331, Dated: 15-02-2021)

(Click here to download the Bidding Documents)

Procurement of Data Centre Components and Wi-Fi Infrastructure" (Tender No. DUHS/DP/2021/125 Dated 23rd February 2021).

(Click here to download the Bidding Documents)

ENGR. ABUL RAHIM KHAN
Works & Services Director
Dow University of Health Sciences
Karachi

PROF. DR. KARIAR DAWAM
Pro Vice Chancellor
Dow University of Health Sciences
Karachi



DOW UNIVERSITY OF HEALTH SCIENCES

IFB No: DUHS/DP/2021/125 Dated 23rd February 2021

INVITATION FOR BIDS (IFB)

Dow University of Health Sciences (DUHS), Karachi invites sealed bids for the "Procurement of Data Centre Components and Wi-Fi Infrastructure" for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi from the Manufacturers / authorized Sole Agents of Manufacturers, having registration with Federal Board of Revenue (FBR) for Income Tax and Sales Tax.

Bidding Procedure	Single Stage - Two Envelope Procedure as per rule 46 sub rule 2 of SPP Rules 2010 (Amended 2019)
Bid security	Two (2%) percent of the total bid value.
Tender purchasing date	From the date of publishing to 15 March 2021
Deadline for submission of bids	16 March 2021 up to 1100 Hrs.
Bid Opening Date & Time	16 March 2021 at 1130 Hrs.

Bidding Documents containing detailed terms & conditions can be obtained against non-refundable pay Order/ Demand Draft of Rs. 2,000/- being tender fee in favour of Dow University of Health Sciences during office hours. No tender shall be sold on the date of opening of bid. Tender Notice and bidding documents are also available on the websites of Dow University of Health Sciences (www.duhs.edu.pk) and Sindh Public Procurement Regulatory Authority (<http://ppms.pprasindh.gov.pk>), in this situation, bidder is required to enclose Pay Order / Demand Draft of tender fee (Rs. 2000/- Non-refundable) with their bid, which must be issued by a scheduled bank within the tender purchasing date. DUHS may issue the clarifications or amendments in respect of the bidding documents which will be uploaded on the above mentioned websites, DUHS will not be responsible for any confusion or misunderstanding in this regard.

In case of any unforeseen situation or government holiday resulting in closure of office on the date of opening, bids shall be submitted / opened on next working day at the given time and venue.

The Dow University of Health Sciences, Karachi (DUHS) reserves the right to reject any or all the bids subject to the relevant provisions of SPP Rules 2010 (Amended 2019).

Address for Purchasing of bidding documents, submission and opening of bids:

Dow University of Health Sciences (Ojha Campus), Procurement Directorate at Library Block, SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi. Phone No. + 92-21-99261497, Email: director.procurement@duhs.edu.pk

Director Procurement
Dow University of Health Sciences, Karachi

ENGR. ABUL RAHIM KHAN
Project Director
Works & Services Department
Dow University of Health Sciences
Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

DAWN

TODAY'S PAPER | FEBRUARY 23, 2021

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

روزانہ
Daily KAWISH
23 فیبروری 2021 ع
ہفت ٹی وقت کراچی، حیدرآباد و سکرمان شایع سینڈلز پھیرن سنڈی اخبار

ہفت ٹی وقت کراچی، حیدرآباد و سکرمان شایع سینڈلز پھیرن سنڈی اخبار
23 فیبروری 2021 ع
ہفت ٹی وقت کراچی، حیدرآباد و سکرمان شایع سینڈلز پھیرن سنڈی اخبار

DOW UNIVERSITY OF HEALTH SCIENCES
04115, DU 29291725 تاریخ: 23 فیبروری 2021

اچھون گھبریل اہل

دو یونیورسٹی آف ہیلتھ سائنسز (دو ایچ ایس ایس) کراچی کی سٹا لف کی طرف سے منعقد کی جانے والی 23 ویں سالانہ گھبریل اہل تقریب کا انعقاد 23 فیبروری 2021 کو دو یونیورسٹی آف ہیلتھ سائنسز، کراچی میں منعقد کیا گیا۔ تقریب میں دو یونیورسٹی آف ہیلتھ سائنسز کے اعلیٰ ترین عہدوں پر فائز افسران اور اسٹاف کے ساتھ ساتھ دیگر اہل علم و عمل نے شرکت کی۔ تقریب میں دو یونیورسٹی آف ہیلتھ سائنسز کے اعلیٰ ترین عہدوں پر فائز افسران اور اسٹاف کے ساتھ ساتھ دیگر اہل علم و عمل نے شرکت کی۔

1	ڈاکٹر (ایچ ایچ ایس)
2	ڈاکٹر (ایچ ایچ ایس)
3	ڈاکٹر (ایچ ایچ ایس)
4	ڈاکٹر (ایچ ایچ ایس)
5	ڈاکٹر (ایچ ایچ ایس)
6	ڈاکٹر (ایچ ایچ ایس)
7	ڈاکٹر (ایچ ایچ ایس)
8	ڈاکٹر (ایچ ایچ ایس)
9	ڈاکٹر (ایچ ایچ ایس)
10	ڈاکٹر (ایچ ایچ ایس)

YASMIN
PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

ENGR. ABID AHMIM KHAN
Works & Safety Department
Dow University of Health Sciences
Karachi

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

BID EVALUATION REPORT

- 1. Name of Procuring Agency:** Dow University of Health Sciences, Karachi.
- 2. Tender Reference No:** DUHS/DP/2021/125 Dated 23 February, 2021
- 3. Tender Description:** Procurement of Data Centre Components and Wi-Fi Infrastructure Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi.
- 4. Method of Procurement:** Single Stage – Two Envelope
Clause 46(2) of SPP Rule 2010 (Amended 2019)
- 5. Tender Published:** NIT Hoisted on DUHS & SPPRA PPMS NIT ID Sr.# T00582-20-0012;
NIT published on 23 February 2021
a. THE DAWN (English language newspaper);
b. DAILY JANG (Urdu language newspaper); and
c. DAILY KAWISH (Sindhi language newspaper).
(Annexure 1)
- 6. Total Bid documents Sold:** Four (04) Nos.
- 7. Total Bids Received:** Two (02) Nos.
- 8. Technical Bid Opening date:** 16th March, 2021 at 11:30 am. **(Annexure -2)**
- 09. No.of Bid technically qualified:** One (01)
- 10. Bid(s) Rejected/Disqualified:** One (01)
- 11. Financial bid opened on:** 26th March, 2021 at 11:45 am. **(Annexure -3)**
- 12. Bid Evaluation Report:** Attached as **Annexure 4, 5, 6, 7 and 8**

PROCUREMENT COMMITTEE MEMBERS

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Muhammad Khurram Khalid (Member)
Head of Internal Audit
Institute of Business Administration (IBA)
Karachi

Abdul Rahim Khan
Project Director, Works & Services,
Dow University of Health Sciences,
Karachi.

ENGR. ABDUL RAHIM KHAN
Project Director
Works & Services Department
Dow University of Health Sciences
Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani (Chairman)
Pro-Vice Chancellor
Dow University of Health Sciences, Karachi

PURCHASE PROPOSAL / RECOMMENDATION

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

Based on the detailed evaluation and findings, presented in bid evaluation report, the purchase recommendations / proposal for the Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi is worked out as under:

Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Make	Country of Origin	Unit Price C&F Basis in USD	Total Price CNF Basis in USD
1	FIREWALL	2	Nos.		Huawei	China	914.05	1,828.10
1.1	USG6510E AC Host(10*GE RJ45+2*GE SFP,1*Adapter)	2	Nos.	USG6510E-AC				
1.2	Micro SD 64GB(SDXC Class 10,MLC NAND Flash)	2	Nos.	ACC9112-N				
1.3	250mm*180mm*1Uequipment front mounting ear(1set)	2	Nos.	E5700MK00				
1.4	Threat Protection Subscription 36 Months (Applies to USG6510E)	2	Nos.	LIC-USG6510E-TP-3Y				
1.5	USG6510E AC Host(10*GE RJ45+2*GE SFP,1*Adapter)_Hi-Care Standard USG6510E_36Month(s) +12 Month additional	2	Nos.	02352PQH_88134UJL-3LE_36				
2	ACCESS POINT	120	Nos.		Huawei	China	342.03	41,043.60
2.1	AirEngine5760-51(11ax indoor,2+4 dual bands,smart antenna,USB,loT Slot,BLE,Optional RTU upgrade to 4+4/2+2+4/2+4+Scan)	120	Nos.	AirEngine5760-51				
2.2	AirEngine5760-51(11ax indoor,2+4 dual bands,smart antenna,USB,loT Slot,BLE,Optional RTU upgrade to 4+4/2+2+4/2+4+Scan)_Hi-Care Basic AirEngine5760_36Month(s) +12 Month additional	120	Nos.	02353GES_88134UFA-4TW_36				
3	AGGREGATION OR CORE SWITCH	2	Nos.		Huawei	China	2,841.85	5,683.70
3.1	S6730-S24X6Q (24*10GE SFP+ ports, 6*40GE QSFP ports, without power module)	2	Nos.	S6730-S24X6Q				
3.2	600W AC Power Module(Back to Front, Power panel side exhaust)	4	Nos.	PAC600S12-CB				
3.3	S67XX-S Series Basic SW,Per Device	2	Nos.	N1-S67S-M-Lic				
3.4	QSFP+,40G,High Speed Direct-attach Cables,3m,QSFP+38M,CC8P0.32B(S),QSFP+38M,Used indoor	2	Nos.	QSFP-40G-CU3M				
3.5	10GBase-USR Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.1km,LC)	2	Nos.	SFP-10G-USR				
3.6	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)	2	Nos.	OSX010000				
3.7	1U Boxlike equipment lengthening back mounting ear,IEC Expandable size(280-450mm)	2	Nos.	MOUTEARB01				
3.8	S6730-S24X6Q (24*10GE SFP+ ports, 6*40GE QSFP ports, without power module)_Hi-Care Standard S6730-S24X6Q_36Month(s) +12 Month additional	2	Nos.	02353AJW_88134UJL-42G_36				
4	UNIFIED NETWORK MANAGEMENT SYSTEM	1	No.		Huawei	China	11,536.97	11,536.97
4.1	eSight Platform	1	No.	NSHSPLATFM11				
4.2	eSight Platform, Subscription and Support(Annual fee validity period : 1 year from " PO signed plus 90 days ")	1	No.	NSHSPLATFMS1				
4.3	eSight Network Management License, 1 Device	25	No.	NSHSSNWMGR11				
4.4	eSight Network Management License, Subscription and Support, 1 Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")	25	No.	NSHSSNWMGRS1				

Abdul Raheem Khan
 Project Director, Works & Services
 Dow University of Health Sciences, Karachi.

ENGR. ABDUL RAHEEM KHAN
 Project Director, Works & Services
 Dow University of Health Sciences
 Karachi

Muhammad Khurram Khalid
 Head of Internal Audit
 Institute of Business Administration
 Karachi.

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 Karachi.

Prof. Dr. Kartar Dawani
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 Dow University of Health Sciences,

PURCHASE PROPOSAL / RECOMMENDATION

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

Based on the detailed evaluation and findings, presented in bid evaluation report, the purchase recommendations / proposal for the Procurement of Data Centre Components and Wi-Fi Infrastructure for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi is worked out as under:

Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Make	Country of Origin	Unit Price C&F Basis in USD	Total Price CNF Basis in USD
4.5	eSight WLAN Management License, 1 AP	120	No.	NSHSWLAMGR11				
4.6	eSight WLAN Management License, Subscription and Support, 1 AP(Annual fee validity period : 1 year from " PO signed plus 90 days ")	120	No.	NSHSWLAMGRS1				
4.7	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU,2*32G Memory,2*1200GB SAS HDD,3508(2G cache)+SuperCap,2*4GE,2*900W AC)	1	No.	H22X-05-NSH3101				
4.8	eSight V300R010C00 install Disk(X86)	1	No.	NSHEULER2X86310				
4.9	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU,2*32G Memory,2*1200GB SAS HDD,3508(2G cache)+SuperCap,2*4GE,2*900W AC) _Hi-Care Premier 2288X V5 Server_36Month(s)+12 Month additional	1	No.	02313CKW_88134UFG-4A2_36				
5	WIRELESS CONTROLLER	1	No.		Huawei	China	6,619.91	6,619.91
5.1	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter)	1	No.	AC6508				
5.2	Access Controller AP Resource License(128 AP)	1	No.	L-ACSSAP-128AP				
5.3	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)	4	No.	OMXD30000				
5.4	250mm*180mm*1Uequipment front mounting ear(1set)	1	No.	E5700MK00				
5.5	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter) _Hi-Care Premier AC6508_36Month(s)+12 Month additional	1	No.	02352QVG_88134UFG-3BC_36				
5.6	Access Controller AP Resource License(128 AP) _Hi-Care Application Software Support Service Access Controller AP Resource License(128 AP)_36Month(s) +12 Month additional	1	No.	88034UWE_88134UHH-0C6_36				
6	SMART 42 U RACK	1	No.		Huawei	China	12,432.67	12,432.67
6.1	Assembly Cabinet,FusionModule500,ConvergedCabinet(42U Cabinet) ,with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor,Temperature and Humidity Module,Water detector	1	No.	ConvergedCabinet500-10U10S2S42I				
6.2	Rack Power Distribution Unit,Basic Type-PDU2000-32-1PH-20/4-B9-20*C13+4*C19-Full height vertical-NO Industrial connector-Free mounting plate	1	No.	PDU2000-32-1PH-20/4-B9				
6.3	Wireless Data Network Card,Non Latin American region,SMS Notification	1	No.	WDNC-WL				
6.4	UPS2000G,Battery Pack,685mm,430mm,130mm,ESS-240V12-7AhBPVBA01,7Ah	3	No.	ESS-240V12-7AhBPVBA01				
6.5	Wide Guide rail	6	No.	BRACKET01				
6.6	Assembly Cabinet,FusionModule500,ConvergedCabinet(42U Cabinet) ,with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor,Temperature and Humidity Module,Water detector _Hi-Care Standard FusionModule500-10k_36Month(s) +12 Month additional	1	No.	02115144_88134UJL-0B9_36				

ENGR. ABDUL RAHIM KHAN
 Project Director, Works & Services,
 Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 Karachi
 Muhammad Khurram Khalid
 Head of Internal Audit
 IBA – Karachi

DR. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 Dow University of Health Sciences,
 Karachi

PURCHASE PROPOSAL / RECOMMENDATION

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

Based on the detailed evaluation and findings, presented in bid evaluation report, the purchase recommendations / proposal for the Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi is worked out as under:

Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Make	Country of Origin	Unit Price C&F Basis in USD	Total Price CNF Basis in USD
7	RACK SERVER 2U – 2 SOCKET	2	Nos.		Huawei	China	8,388.06	16,776.12
7.1	2288H V5 (8*2.5inch HDD Chassis, With 2*GE and 2*10GE SFP+(Without Optical Transceiver)) H22H-05(For oversea)	2	Nos.	H22H-05-S8AFF				
7.2	550W platinum AC Power Module	4	Nos.	WEPW55000				
7.3	Intel Xeon Silver 4215(2.5GHz/8-Core/11MB/85W)Cascade lake Processor (with heatsink)	4	Nos.	BC5MH2CPU				
7.4	DDR4 RDIMM Memory,32GB,2933MT/s,2Rank(2G*4bit),1.2V,ECC	16	Nos.	M429R32				
7.5	HDD,600GB,SAS 12Gb/s,10K rpm,128MB or above,2.5inch(2.5inch Drive Bay)	4	Nos.	N600S1210W4				
7.6	SM211 Onboard NIC,2xGE Electrical Interface(I350),RJ45	2	Nos.	BC1M03FGEB				
7.7	3*x8 (x16 slot) Riser1 Module	2	Nos.	BC1M31RISE				
7.8	9440-8i,PCIe RAID Controller,no Cache,PCIe 3.1 x8,HH/HL	2	Nos.	CN2M94408I0G				
7.9	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)	4	Nos.	OMXD30000				
7.10	9.5MM DVD-RW-CD 24X/DVD 8X-SATA DVD-RW Moudle	2	Nos.	BC1M02DVD				
7.11	2U Ball Bearing Rail Kit(Direct delivery material)	2	Nos.	E2USRAIL01				
7.12	1U/2U Cable Management Arm(Direct delivery material)	2	Nos.	B1U2UCMA				
7.13	SuSE Linux Enterprise Server,English Edition,Enterprise Edition,12.*,2 sockets or 2 VMs,x86,64bit,Entity(Paper),No Doc,1Year7*24Service(OS Manufacturer Service),General OEM RACK Server resell	2	Nos.	GOSSLES10				
7.14	Assembly Cabinet,FusionModule500,ConvergedCabinet(42U Cabinet) ,with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor, Temperature and Humidity Module,Water detector_Hi-Care Standard FusionModule500-10k_36Month(s) +12 Month additional	2	Nos.	02115144_88134UJL-0B9_36				
8	ALL FLASH STORAGE (30TB RAW CAPACITY)	1	No.		Huawei	China	30,105.11	30,105.11
8.1	OceanStor Dorado 3000 V6(2U,Dual Ctrl,NVMe,AC1240V HVDC,192GB Cache,8*1Gb ETH,8*10Gb ETH(Including Multi-Mode SFP+),25*Palm,SPE62C0225)	1	No.	D3V6-192G-NVMe-DC				
8.2	3.84TB SSD NVMe Palm Disk Unit(7")	8	Nos.	D3V6-SSD-NVMe-3.84T				
8.3	Patch Cord,DLC/PC,DLC/PC,Multi-mode,3m,A1a,2,2mm,42mm DLC,OM3 bending insensitive	8	Nos.	SN2F01FCPC				
8.4	Basic Software Licenses (Including DeviceManager,SmartThin,SmartMigration,HyperSnap,HyperReplication,HyperClone,SmartQoS,SmartErase,eService)	1	No.	D3V6-LBS-Basic				

ENGR. ABDUL RAHIM KHAN
Project Director
IT & Services Department
Dow University of Health Sciences
Abdul Rahim Khan
Project Director, IT & Services,
Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

PROF. DR. KARTAR DAWAN
Pro Vice Chancellor
Dow University of Health Sciences
Karachi
Prof. Dr. Kartar Dawan
Pro-Vice Chancellor
Dow University of Health Sciences,

CERTIFICATE

This is to certify that the prices are comparable to the market rates and budget estimates in respect of single technically qualified bids received for the “**Procurement of Data Centre Components and Wi-Fi Infrastructure**” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi in response to IFB/NIT No. DUHS/DP/2021/125 dated 23 February 2021, for which Technical Bids opened on 16 March 2021 and Financial Bids opened on Marc 26, 2021.

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Muhammad Khurram Khalid (Member)
Head of Internal Audit
Institute of Business Administration (IBA)
Karachi

Abdul Rahim Khan
Project Director, Works & Services,
Dow University of Health Sciences,
Karachi.

ENGR. ABDUL RAHIM KHAN
Project Director,
Works & Services Department,
Dow University of Health Sciences,
Karachi

Kartar

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani (Chairman)
Pro-Vice Chancellor
Dow University of Health Sciences, Karachi

BIDDER'S QUALIFICATION REPORT (MANDATORY REQUIREMENTS)**[Ref. ITB CLAUSE 13.3 (d)]****Procurement of Data Centre Components and Wi-Fi Infrastructure****IFB No. DUHS/DP/2021/125 Dated 23 February, 2021****TECHNICAL BIDS / PROPOSALS OPENED ON 16th March, 2021**

S#	Qualification Criteria (Mandatory Requirements)	M/S. COMMTEL	M/S. SILICON TECHNOLOGIES
1	Compliance to the Technical Specifications.	Complied ¹	Complied ¹
2	Technical Proposal on Bidder's Letterhead	Complied	Complied
3	Catalogue / Brochures / technical data sheet (having complete technical specifications of the offered good)	Complied	Complied
4	Item-wise / Feature-wise product compliance / deviation sheet / statement.	Complied	Complied
5	Valid Manufacturer Authorization in accordance with ITB Clause 13.3(a)	Complied	Complied
6	Copy of CNIC of signatory of the Bid Forms	Complied	Complied
7	Complete Bidding Document, duly signed and stamped on its each/ every page as acceptance of all terms & conditions	Complied	Complied
8	Compliance to bid validity period	Conditional	Complied
9	Compliance to payment terms and conditions	Conditional	Complied
10	Compliance to the delivery schedule	Conditional	Complied
11	Valid General Sales Tax (GST-FBR) Registration with Active Tax Payer Status on FBR website.	Complied	Complied
12	Valid Income Tax (FBR) Registration with Active Tax Payer Status on FBR website	Complied	Complied
13	Professional Tax Certificate	Complied	Complied
14	Original Tender Purchase Receipt / Pay Order of Tender Fee	Complied	Complied
15	Affidavit on stamp paper of Rs. 100/- duly notarized	Complied	Complied
16	The Bid Form & Price Schedule(s) shall be inserted in the Financial Proposal. However, a copy of the same shall be inserted in the Technical Proposal after hiding the amount.	Complied	Complied
17	Bid Security shall be inserted in the Financial Proposal. However, a copy of the same shall be inserted in the Technical Proposal after hiding the amount.	Complied	Complied
18	Company Profile	Complied	Complied
19	OEM must be present in Pakistan and have a warehouse in Karachi for Spares.	Complied	Complied
20	Bidder must have completed Wi-Fi Project with minimum 100 Access Point and Controllers in single project.	Complied	Not Complied
21	Price of post warranty service contract with parts, labor & services, year-wise for 2 years (minimum) in term of %age against the quoted value of the equipment.	Complied	Complied
REMARKS / FINDINGS		Responsive / Qualified	Not Responsive / Not Qualified

¹ Refer Annexure 5

Abdul Raheem Khan
Project Director, Works & Services,
Dow University of Health Sciences, Karachi.

ENGR. ABDUL RAHEEM KHAN
Works & Services Department
Dow University of Health Sciences
Karachi

Muhammad Khurram Khalid
Head of Internal Audit
IBA - Karachi

Prof. Dr. Kartar Dawani
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
Dow University of Health Sciences,

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)
Procurement of Data Centre Components and Wi-Fi Infrastructure
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

ITEM NO. 01	FIREWALL	QTY. 02 NOS.	
S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	Basic Firewall		
1.1	The appliance based security platform should be a stateful NGFW, Next-Generation IPS, malware protection, URL protection, providing firewall, application visibility, and IPS functionality in a single appliance.	C	C
2.	Hardware		
2.1	2 x 10GE (SFP+) and 7 GE Combo or more	C	C
2.2	minimum 128 GB or more external memory for log for logs and reports	C	C
3.	Performance requirements		
3.1	Firewall UDP 1518 Byte throughput = 1.15 Gbps or more;	C	C
3.2	concurrent connections per second \geq 250,000; new connections per second \geq 18,000;	C	C
3.3	IPSec VPN throughput (AES-256,1420 byte) \geq 1Gbps	C	C
3.4	Application controlling and IPS throughput \geq 0.6 Gbps;	C	C
3.5	SSL Inspection throughput \geq 190Mbps	C	C
4.	Routing		
4.1	Supports static routes, policy-based routing, and routing protocols such as RIP, OSPF, BGP, and IS-IS;	C	C
4.2	Policy-based routing supports the following matching conditions: source IP address, destination IP address, service type, application type, user/user group/security group, inbound interface, and DSCP priority.	C	C
5.	Intelligent uplink selection		
5.1	Supports service-specific PBR and intelligent uplink selection based on multiple load balancing algorithms (for example, based on bandwidth ratio and link health status) in multi-egress scenarios.	C	C
6	NAT		
6.1	Supports Source NAT automatic detection and exclusion of invalid addresses in NAT address pools.	C	C
7.	VPN		
7.1	Supports IPSec VPN intelligent uplink selection to select the best link based on link quality detection.	C	C
7.2	Support L2TP/GRE VPN, SSL VPN, MPLS VPN, Providing 50 SSL VPN User License & Client software;	C	C
8.	Traffic control		
8.1	Supports application-layer protocol-based traffic control policies, including setting the maximum bandwidth, guaranteed bandwidth, and protocol traffic priority.	C	C

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 Karachi

Muhammad Khurram Khalid
 Head of Internal Audit, IBA
 Karachi

Abdul Rahim Khan
 Project Director, Works & Services
 DUHS, Karachi

Prof. Dr. Kartar Dawani
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
8.2	Supports bandwidth guarantee based on users and IP addresses. Supports maximum number of connections per IP address or user.	C	C
9.	Intrusion prevention and antivirus		
9.1	Supports attack detection and prevention based on over 7000 local signatures.	C	C
9.2	Supports the customization of intrusion prevention policy templates based on scenarios.	C	C
9.3	Supports brute-force cracking prevention for common application services (HTTP, FTP, SSH, SMTP, and IMAP) and database software (MySQL, Oracle, and MSSQL).	C	C
9.4	Supports malicious domain name-based filtering to block C&C.	C	C
9.5	Supports antivirus for protocols such as HTTP, FTP, SMTP, POP3, IMAP, and NFS.	C	C
10.	URL filtering		
10.1	Provides a URL category database with over 110 million URLs and accelerates access to specific categories of websites, improving access experience of high-priority websites.	C	C
10.2	Supports DNS filtering, in which accessed web pages are filtered based on domain names.	C	C
10.3	Supports the Safe Search function to filter resources of search engines, such as Google, to guarantee access to only healthy network resources.	C	C
11.	DDoS defense		
11.1	Supports application-layer flood attacks such as HTTP, HTTPS, DNS, and SIP, supports traffic auto-learning, the setting of the auto-learning time, and automatic generation of anti-DDoS policies.	C	C
11.2	Supports IP reputation.	C	C
12.	Intelligent threat prevention		
12.1	Supports interworking with the local sandbox for APT defense.	C	C
12.2	Supports interworking with the Big Data intelligent security analysis system to implement posture awareness, display network-wide threats, and generate policies to block threats.	C	C
13.	Policy & Management		
13.1	Allows users to configure security policies based on time, user/user group/security group, application-layer protocol, geographical location, IP address, port, domain name group, URL category, access type, vlanID and content security.	C	C
13.2	Provides northbound interfaces such as RESTCONF and NETCONF APIs to connect to third-party management platforms.	C	C
13.3	Supports the analysis of policy risks and redundancy, and provides security policy tuning suggestions.	C	C

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

Muhammad Khurram Khalid
Head of Internal Audit, IBA
Karachi

ENR. ABDUL RAHIM KHAN
Project Director
Works & Services Department
Dow University of Health Sciences
Karachi

Abdul Rahim Khan
Project Director, Works & Services
DUHS, Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)
Procurement of Data Centre Components and Wi-Fi Infrastructure
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
14.	Network access user authentication		
14.1	Supports multiple user authentication methods, including local, RADIUS, HWTACACS, AD, and LDAP.	C	C
14.2	The firewall supports built-in Portal and Portal redirection functions.	C	C
14.3	Supports AD SSO, RADIUS SSO, NTLM authentication	C	C
14.4	Supports dynamic security groups to dynamically authorize horizontal organizations.	C	C
15.	Product certification		
15.1	Has been listed as Leader or Challenger in Gartner Magic Quadrant;	C	C
16.	Warranty		
16.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm next business day (NBD)	C	C
FINDINGS / REMARKS		R	R

ITEM NO. 02	ACCESS POINTS	QTY. 120 NOS.
--------------------	----------------------	----------------------

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	Interface		
1.1	1 x 10/100/1000M self-adaptive Ethernet interface (RJ45x 2) ,1 x USB interface.	C	C
2.	Power Input		
2.1	PoE power supply: in compliance with IEEE 802.3bt	C	C
3.	Maximum Number of Users		
3.1	600 or more	C	C
4.	Antenna Type		
4.1	Built-in smart antennas	C	C
5.	MIMO: Spatial Streams		
5.1	2.4G: 2 x 2, 5G: 4 x 4	C	C
6.	Radio Protocols		
6.1	802.11a/b/g/n/ac/ac Wave 2/11ax	C	C
7.	Maximum Rate		
7.1	Basic capability: 4.98 Gbps	C	C
7.2	Access point must be indoor and supports WIFI-6	C	C
8.	Warranty		
8.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C
FINDINGS / REMARKS		R	R

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 Karachi.

Muhammad Khurram Khalid
 Head of Internal Audit, IBA
 Karachi

ABDUL RAHIM KHAN
 Resident Director
 Information Systems Department
 DUHS, Karachi

Abdul Rahim Khan
 Project Director, IT Works & Services
 DUHS, Karachi

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

ITEM NO. 03	AGGREGATION OR CORE SWITCH	QTY. 02 NOS.	
S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	Interface		
1.1	24 x 10 Gig SFP+, 6 x 40 Gig QSFP+	C	C
2.	Switching Capacity		
2.1	945Gbps and more	C	C
3.	Layer 2		
3.1	4K VLAN	C	C
3.2	Up to 64K MAC address entries	C	C
3.3	LACP	C	C
3.4	STP, RSTP, MSTP	C	C
3.5	ERPS	C	C
3.6	LLDP	C	C
4.	Layer 3		
4.1	Static routes, RIP v1/2, RIPng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, ECMP, routing policy	C	C
4.2	IPv4 FIB >= 64K or more , IPv6 FIB >= 32K or more	C	C
5.	VXLAN		
5.1	VXLAN L2 and L3 gateways.	C	C
6.	Multicast		
6.1	IGMP v1/v2/v3, PIM-SM, PIM-DM, PIM-SSM and MSDP	C	C
7.	Stacking		
7.1	Stacking support	C	C
8.	Security		
8.1	Hierarchical user management and password protection DoS attack defense, ARP attack defense, and ICMP attack defense Binding of the IP address, MAC address, port number, and VLAN ID Port isolation, port security, and sticky MAC MAC Forced Forwarding (MFF) Blackhole MAC address entries Limit on the number of learned MAC addresses IEEE 802.1X authentication and limit on the number of users on a port AAA authentication, RADIUS authentication, and TACACS+ authentication NAC SSH V2.0 HTTPS CPU protection Blacklist and whitelist Attack source tracing and punishment for IPv6 packets such as ND, DHCPv6, and MLD packets IPsec for management packet encryption ECA Deception	C	C
9.	Warranty		
9.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Muhammad Khurram Khalid
Head of Internal Audit, IBA
Karachi

ENGR. ABDUL RAHIM KHAN
Project Director
Services Department
Dow University of Health Sciences
Karachi

Abdul Rahim Khan
Project Director, Works & Services
DUHS, Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)**Procurement of Data Centre Components and Wi-Fi Infrastructure****IFB No. DUHS/DP/2021/125 Dated 23 February, 2021****TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021**

ITEM NO. 04	UNIFIED NETWORK MANAGEMENT SYSTEM	QTY. 01 NO.	
S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	Provide appropriate hardware with Software .	C	C
2.	Provides unified management and display pages and allows users to customize management views. In the views, users can clearly view the status, performance, and alarm information about managed resources.	C	C
3.	Provides user-friendly, visual, fast, and easy-to-operate graphical user interfaces (GUIs) that supports the Hypertext Transfer Protocol Secure (HTTPS) protocol. Users can access the GUI using multiple web browsers and use all management functions without installing any plug-ins.	C	C
4.	Allows users to customize the content and style of the home page for the portal. After logging in to the portal, the administrator can adjust the modules on the home page according to monitoring focuses. Some key modules are displayed on the home page by default.	C	C
5.	Automatically discovers network devices based on communication parameters, such as IP address segment and SNMP, and adds the network devices to the network management system.	C	C
6.	Uses the dashboard to show network-wide resource information, such as total number of resources of each type, resource usage, and key indicators. The key indicators include CPU usage, memory usage, and device response time, access rate, interface bandwidth, and voice resource usage.	C	C
7.	Categorizes multiple devices into a group to perform bulk operations on them.	C	C
8.	Supports real-time monitoring and unified browsing of network-wide alarms, provides various alarm severities (for example, critical, major, minor, and warning) that can be distinguished by color or text, and takes specific measures for alarms of different severities.	C	C
9.	Notifies users of alarms in several ways, such as real-time alarm notification (alarm panel), alarm sound and email.	C	C
10.	Monitors performance indicators and centrally displays the monitored statistics on the dashboard. The indicators include CPU usage, memory usage, device connectivity, device response time, interface traffic, and network connection/disconnection rate, and network resource usage.	C	C
11.	Automatically discovers the layer-2 and layer-3 links and virtual local area network (VLAN) topology and supports the topology linkage functions, including real-time performance, resource management, and alarm linkage to device information.	C	C

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Muhammad Khurram Khalid
Head of Internal Audit, IBA
Karachi

ENGR. ABDUL RAHIM KHAN
Project Director, Works & Services
DUHS, Karachi

Prof. Dr. Kartar Dawani
Pro Vice Chancellor
DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)**Procurement of Data Centre Components and Wi-Fi Infrastructure****IFB No. DUHS/DP/2021/125 Dated 23 February, 2021****TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021**

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
12.	Displays the wireless network status by collecting statistics on the device status, network resources, interference, area, and service type, such as AP channel usage, numbers of APs and users counted by area, number of client radio frequency (RF) types, number of access users counted by SSID, and user access records.	C	C
13.	Displays links between Controllers/APs and uplink POE switches and device status in topologies.	C	C
14.	Supports management and monitoring of existing DCN install base along with desired WLAN solution.	C	C
15.	Should be able to manage 30 existing network devices (DC Switches, WAN Routers) and 100 Access Points.	C	C
16.	Warranty		
16.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C
FINDINGS / REMARKS		R	R

ITEM NO. 05	WIRELESS CONTROLLER	QTY. 01 NO.
-------------	---------------------	-------------

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	Appliance base WLC with 2 or more 10G SFP+ interfaces. Support of CAPWAP/LWAPP/SSH Protocol and 802.11 ac and ax support. Support of at least 150 or higher Access Point with 4000 or higher concurrent user connections, packet forwarding capacity: 3.89Gbps or higher. Support of all standard authentication protocols. Support of load balancing feature. Web Based GUI for centralized configuration and management of both WLC and APs. Access Points Should Support VLAN Tagging on individual VLANs. Support of portal server/AAA server (Either Built-in or External), Supports Layer 4 to Layer 7 application identification and support application-based policy control, traffic blocking traffic limit, Rouge device scan, identification, defense, and countermeasures, which includes dynamic blacklist configuration and detection of rogue APs, STAs, and network attacks.	C	C
2.	Warranty		
2.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C
FINDINGS / REMARKS		R	R

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Muhammad Khurram Khalid
Head of Internal Audit, IBA
Karachi

ENGR. ABDUL RAHIM KHAN
Project Director
Works & Services Department
DUHS, Karachi

Abdul Rahim Khan
Project Director, Works & Services
DUHS, Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)
Procurement of Data Centre Components and Wi-Fi Infrastructure
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

ITEM NO. 06	SMART 42 U RACK	QTY. 01 NO.	
S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1	Size		
1.1	Standard 600mm width, 1100mm depth, 2000mm high	C	C
2.	Color		
2.1	Black	C	C
3.	Load capacity		
3.1	1500 KG stationary/ 1000 Kg rolling load capacity	C	C
4.	EMS		
4.1	Door magnetic switch, temperature and humidity module, smoke sensor, water detector with sms notification of alarms.	C	C
5.	Power Distribution		
5.1	Build in power distribution module.	C	C
6.	Rack PDUs		
6.1	32-1PH-20*C13+4*C19-Full height vertical-	C	C
7.	10KVA UPS		
7.1	Input voltage 220/230/240 V	C	C
7.2	Input Voltage Range L-N: 80-280V AC	C	C
7.3	Input Frequency Range 40-70Hz	C	C
7.4	Input Power Factor 0.99	C	C
7.5	Bypass rated voltage L-N: 220/230/240V AC	C	C
7.6	Bypass Frequency 50/60 ± 6Hz	C	C
7.7	Battery rated voltage 192-240V DC	C	C
7.8	Battery installation Rack mounted battery pack	C	C
7.9	Output Rated Voltage 220/230/240V AC ±1%	C	C
7.10	Tracking the bypass input (Normal mode)	C	C
7.11	50/60 Hz±0.05% (Battery mode)	C	C
7.12	Output Power Factor 0.9	C	C
7.13	Waveform Sine wave, THDv<2%	C	C
7.14	Efficiency 94.5%	C	C
8.	Operating Temperature 0-40°C		
8.1	Audible Noise <55dB	C	C
8.2	Dimension 86 × 430 × 615 H × W × D (mm)	C	C
9.	Form Factor Rack mounted		
9.1	Certifications EN/IEC 62040-3;CE	C	C
10.	Warranty		
10.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C
FINDINGS / REMARKS		R	R

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Inst. of Business Administration
 Karachi.

Muhammad Khurram Khalid
 Head of Internal Audit, IBA
 Karachi

ABDUL RAHIM KHAN
 Project Director
 Department
 Dow University of Health Sciences
 Karachi

Abdul Rahim Khan
 Project Director, Works & Services
 DUHS, Karachi

PROF. DR. KARTAR DAWANI
 Pro Vice Chace For
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)**Procurement of Data Centre Components and Wi-Fi Infrastructure****IFB No. DUHS/DP/2021/125 Dated 23 February, 2021****TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021**

ITEM NO. 07	RACK SERVER 2U – 2 SOCKET	QTY. 02 NOS.	
S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	Device		
1.1	2 Socket Rack Mounted Server	C	C
2.	Processor		
2.1	2x Intel Xeon Sliver 4215 Processors – Equivalent or Higher	C	C
3.	Memory		
3.1	256 RDIMM 2933MHz - Equivalent or Higher	C	C
4.	Disk		
4.1	2x600GB 10K RPM 12Gb/s 2.5" Equivalent or Higher	C	C
4.2	MAX support 25 Disk Bays, Minimum 8, SAS 10K,15K RPM, 12Gbps, equivalent or higher, Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME.	C	C
5.	RAID Controller		
5.1	Support RAID 0, 1,10 or more,	C	C
6.	Network Adapter		
6.1	2 x GE port and 2 x 10GE LOM Optical port with optical transceivers- or Higher	C	C
7.	Optical Drive		
7.1	1 x DVD-RW Should support both Internal /External	C	C
8.	Power Supply		
8.1	Redundant hot-swappable high efficiency AC power supply or higher in full configuration	C	C
9.	Stability		
9.1	Support long-term operating temperature under specific conditions	C	C
10.	Manageability and maintainability:		
10.1	Supports integrated system management:	C	C
10.2	Automatically restarts servers	C	C
10.3	Monitors and controls fan modules, power supplies, and temperature	C	C
10.4	Starts and shuts down servers	C	C
10.5	Restarts servers in sequence	C	C
10.6	Updates local firmware	C	C
10.7	Records error logs	C	C
10.8	Provides a visualization tool	C	C
10.9	Provides GUIs for management and other advanced management functions.	C	C
10.10	Provides independent remote management and control ports and GUIs for remote monitoring to implement remote full control over servers, independently of OSs. Remote full control includes remote start-up, shutdown, and reset, & virtual floppy & DVD-ROM drives.	C	C

MUHAMMAD KHURRAM KHALID

Head of Internal Audit
 Institute of Business Administration
 Karachi

Muhammad Khurram Khalid
 Head of Internal Audit, IBA
 Karachi

Abdul Raheem Khan
 Project Director, Works & Services
 DUHS, Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 DUHS, Karachi

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)**Procurement of Data Centre Components and Wi-Fi Infrastructure**

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
10.11	Support the function for logging in to the board management system through certification based on both client certificates and certificate passwords. A white paper and official website proof materials are required.	C	C
10.12	The bidding product supports out-of-band fault detection, does not rely on the OS, and can analyze and locate faults such as CPU, I2C and IPMB bus, memory, PCIe device, and hard drive faults; system crash, black screen, blue screen, and abnormal reboot. A white paper and official website proof materials are required.	C	C
10.13	The bidding product can collect out-of-band hardware fault information; analyze faults, generate alarms, and export logs by using the out-of-band management module; automatically locate the fault source and provide solutions by using the fault database. A white paper and official website proof materials are required.	C	C
10.14	Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, VMware and Citrix XenServer	C	C
11	Reliability		
11.1	Long-term operating temperature: 5°C to 45°C (41°F to 113°F)	C	C
12.	Warranty		
12.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C
FINDINGS / REMARKS		R	R

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Muhammad Khurram Khalid
Head of Internal Audit, IBA
Karachi

ENGR. ABDUL RAHIM KHAN
Project Director
Works & Services Department
University of Health Sciences
Karachi

Abdul Rahim Khan
Project Director, Works & Services
DUHS, Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)
Procurement of Data Centre Components and Wi-Fi Infrastructure
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

ITEM NO. 08	ALL FLASH STORAGE (30TB RAW CAPACITY)	QTY. 01 NO.	
S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
1.	The proposed array should be Native all flash storage with 2 Active-Active Controllers scale-up and scale-out architecture, LUNs should not belong to any controller. Service loads should be balanced among all controllers. The proposed solution should be able to support 99.9999% availability.	C	C
2.	NVMe		
2.1	The proposed array should provide end-to-end NVMe multi-controller architecture, scalable to four or more controllers.	C	C
3.	NO SINGLE POINT OF FAILURE		
3.1	The proposed array should be with No Single Point of Failure (SPOF). All the components should be redundant and hot swappable including Redundancy is available for controllers, cache, interface modules, disks, power modules, fans, and other components to avoid single point of failure. All assembly unit can be replaced online without any business interruption.	C	C
4.	DRAM CACHE		
4.1	The total system level-1 cache capacity must be ≥ 192 GB, and the level-1 cache capacity of any single controller must be ≥ 96 GB (excluding any performance acceleration module, FlashCache, PAM card, SSD cache, and SCM).	C	C
5.	DISK		
5.1	8 x 3.84TB enterprise-level NVMe SSDs (non-SATA/SAS ports)	C	C
6.	CAPACITY DENSITY		
6.1	The proposed array also must be scalable up to 500TB capacity. All NVMe Disks.	C	C
7.	VAULTING		
7.1	The storage system should offer protection measures against component and power failures and uses advanced technologies to minimize risks of disk failures and data loss. Built-in backup battery units (BBUs) supply power to controller enclosures in the event of unexpected power failures. The storage system should write cache data to disks to prevent data loss.	C	C
8.	MULTIPROTOCOL SUPPORT		
8.1	The proposed array should support NVMe Over Fabric, 16G/32G FC, 10GE/25GE/40GE iSCSI connectivity.	C	C
9.	FRONT END PORTS		
9.1	The proposed array should provide at least 2 x 4 x 10G Optical iSCSI port, should be able to scale to at least 36 front end ports to provide scalable and dedicated connectivity to hosts and for remote replication.	C	C

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 Karachi

Muhammad Khurram Khalid
 Head of Internal Audit, IBA
 Karachi

Abdul Rahim Khan
 Project Director, Works & Services
 DUHS, Karachi

ENGR. ABDUL RAHIM KHAN
 Project Director
 Works & Services Department
 Dow University of Health Sciences
 Karachi

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
10.	NVMe FLASH DISK		
10.1	The proposed array must be dual ported native NVMe disks. All Flash disks should support two independent I/O channels with automatic failover and fault isolation.	C	C
11.	RAID LEVEL & DISK FAILURE PROTECTION		
11.1	The system must support Raid 5, RAID 6 or better.	C	C
12.	PLATFORM SUPPORT		
12.1	The proposed system should support popular operating system platforms such as Windows, HP-UX, Linux, Solaris, IBM AIX etc.	C	C
13.	VIRTUALIZED ENVIRONMENT		
13.1	The proposed array must support system supports Hypervisor like VMware vSphere, Windows Hyper-V and KVM.	C	C
14.	NON-DISRUPTIVE MIGRATION		
14.1	The proposed array should provide the capability to seamless migrate data from other vendor's array without service interruption.	C	C
15.	GARTNER MAGIC QUADRANT		
15.1	A leader in the latest report for Gartner Magic Quadrant for General-Purpose Disk Arrays.	C	C
16.	SOFTWARE FEATURES		
16.1	Support A-A for two core storage systems preferably Gateway free. Third-party quorum devices are used in an A-A architecture. Failure of either storage system will not affect upper-layer services. Provides at least one quorum server to make sure that real-time data consistency between the A-A volumes can be kept.	C	C
17	REMOTE TWO-SITE SYNCHRONOUS REPLICATION		
17.1	The proposed array remote replication solution must include zero RPO with synchronous mode of operation. Preferably feature-based license, and if capacity-based license is proposed, minimum 512TB capacity license must be configured.	C	C
18	REMOTE TWO-SITE ASYNCHRONOUS REPLICATION		
18.1	The proposed array remote replication solution must provide minimal RPO from seconds to minutes with asynchronous mode of operation. Preferably feature-based license, and if capacity-based license is proposed, minimum 512TB capacity license must be configured.	C	C
19.	SNAPSHOTS & THIN PROVISIONING		
19.1	The proposed array must include licenses to provide snapshots, must include instant activation of point-in-time copies for read/write access of LUNs and also is able to thin provision the LUNs.	C	C
20.	CLONE		
20.1	Provide the clone function, which creates a physical copy for the snapshot or source LUN.	C	C

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration

Muhammad Khurram Khalid
Head of Internal Audit, IBA
Karachi

Abdul Raheem Khan
Project Director, Works & Services
DUHS, Karachi


PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
DUHS, Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)
Procurement of Data Centre Components and Wi-Fi Infrastructure
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS OPENED ON 16-03-2021 – FINANCIAL BIDS OPENED ON 26/03/2021

S#	Name of Goods, Technical Description, Specifications and Standards	M/s. CommTel	M/s. Silicon Technologies
20.2	Provides immediate availability of clone, clone consistency group, cascaded clone, and forward and reverse synchronization	C	C
21.	QUALITY OF SERVICE		
21.1	The proposed array should include licenses to support QoS feature to limit the amount of IO (IOPS) or bandwidth (MB/s) a particular application can drive on the array. This feature should allow the administrator to limit front-end(FE) port performance by either IOPS, Host MB per host, or combination of both on an application Storage Group level(single LUN or Multiple LUNs)	C	C
22	STORAGE MANAGEMENT SOFTWARE		
22.1	The proposed array should be supplied with Storage management software capable of generating customized reports, real time monitoring, historical performance data for analysis and trending, capacity utilization monitoring and SSD service life monitoring (monitors the lifespan and displays the wear level and estimated remaining service life of each SSD).	C	C
23.	WARRANTY		
23.1	3 Year Comprehensive Warranty & Support with Parts & Labour backed by principal. Response time 9am to 5pm NBD	C	C
FINDINGS / REMARKS		R	R

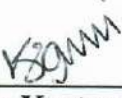
C = Complied
R = Responsive


MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 Karachi.

Muhammad Khurram Khalid (Member)
 Head of Internal Audit
 Institute of Business Administration (IBA)
 Karachi


ABDUL RAHIM KHAN
 Project Director
 Project Director, Works & Services,
 Dow University of Health Sciences,
 Karachi.

Abdul Rahim Khan (Member)
 Project Director, Works & Services,
 Dow University of Health Sciences,
 Karachi.


PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani (Chairman)
 Pro-Vice Chancellor
 Dow University of Health Sciences, Karachi

COMPARATIVE STATEMENT AND PURCHASE RECOMMENDATION / PROPOSAL
Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi
TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

Item No.	Name of Equipment	Quantity of Stores	Unit	Name of Bidder	Model / Cat No.	Make	Country of Origin	Curr-ency	Unit Price C&F Basis	Total Price CNF Basis	Unit Price C&F Basis Equal to PKR	Total Price CNF Basis Equal to PKR	Unit Price DDP Basis In PKR	Total Price DDP Basis In PKR	Grading
1	FIREWALL	2	Nos.	M/s. CommTel		Huawei	China	USD	914.05	1,828.10	144,054.56	288,109.13	200,512.00	401,024.00	Single
1.1	USG6510E AC Host(10*GE RJ45+2*GE SFP, 1*Adapter)	2	Nos.		USG6510E-AC										
1.2	Micro SD 64GB(SDXC Class 10,MLC NAND Flash)	2	Nos.		ACC9112-N										
1.3	250mm*180mm*1Uequipment front mounting ear(1set)	2	Nos.		E5700MK00										
1.4	Threat Protection Subscription 36 Months (Applies to USG6510E)	2	Nos.		LIC-USG6510E-TP-3Y										
1.5	SFP 10*GE AC Host(10*GE RJ45+2*GE SFP 1*Adapter)_Hi-Care Standard	2	Nos.		02352PQH_88134UJL-3LE_36										
2	ACCESS POINT	120	Nos.	M/s. CommTel		Huawei	China	USD	342.03	41,043.60	53,903.93	6,488,471.36	71,844.00	8,621,280.00	Single
2.1	AirEngine5760-51(11ax indoor, 2*4 dual bands, smart antenna,USB,lot Slot,BLE,Optional RTU upgrade to 4+4/2+2-4/2+4+Scan)	120	Nos.		AirEngine5760-51										
2.2	AirEngine5760-51(11ax indoor, 2*4 dual bands, smart antenna,USB,lot Slot,BLE,Optional RTU upgrade to 4+4/2+2-4/2+4+Scan)_Hi-Care Basic	120	Nos.		02353GES_88134UFA-4TW_36										
3	AGGREGATION OR CORE SWITCH	2	Nos.	M/s. CommTel		Huawei	China	USD	2,841.85	5,683.70	447,875.56	895,751.12	581,934.00	1,163,868.00	Single
3.1	S6730-S24X6Q (24*10GE SFP+ ports, 8*40GE QSFP ports, without power module)	2	Nos.		S6730-S24X6Q										
3.2	600W AC Power Module(Back to Front, Power panel side exhaust)	4	Nos.		PAC600S12-CB										
3.3	S67XX-S-Series Basic SW/Per Device QSFP+ 40G,High Speed Direct-attach Cables,3m,QSFP+38M,CC8P0,32B(S),QSFP+38M,Used indoor	2	Nos.		N1-S67S-M-Lic										
3.4	10GBase-USR Optical Transceiver,SFP+, 10G, Multi-mode Module(850nm,0.1km,LC)	2	Nos.		SFP-10G-USR										
3.5	Optical Transceiver,SFP+, 10G, Single-mode Module(1310nm,10km,LC)	2	Nos.		OSX010000										
3.6	1U Boxlike equipment lengthening back mounting ear,IEC Expandable size(280,450mm)	2	Nos.		MOUTEARB01										
3.7	S6730-S24X6Q (24*10GE SFP+ ports, 8*40GE QSFP ports, without power module)_Hi-Care Standard S6730-S24X6Q_36M(months) +12 Month additional	2	Nos.		02353AJW_88134UJL-42G_36										

ENGR. ABDUL RAHIM KHAN
 Project Director,
 Works & Services Department,
 Dow University of Health Sciences,
 Karachi

Abdul Rahim Khan
 Project Director, Works & Services,
 Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration

Muhammad Khurram Khalid
 Head of Internal Audit
 IBA - Karachi

PROF. DR. KARTAR DAWANI
 Pro-Vice Chancellor,
 Dow University of Health Sciences,
 Karachi

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 Dow University of Health Sciences,

COMPARATIVE STATEMENT AND PURCHASE RECOMMENDATION / PROPOSAL
Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi
TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

Item No.	Name of Equipment	Quantity of Stores	Unit	Name of Bidder	Model / Cat No.	Make	Country of Origin	Currency	Unit Price C&F Basis	Total Price CNF Basis	Unit Price C&F Basis Equal to PKR	Total Price CNF Basis Equal to PKR	Unit Price DDP Basis In PKR	Total Price DDP Basis In PKR	Grading
4	UNIFIED NETWORK MANAGEMENT SYSTEM	1	No.			Huawei	China	USD	11,536.97	6,619.91	1,818,226.47	1,043,297.82	1,664,331.00	1,664,331.00	Single
4.1	eSight Platform	1	No.		NSHSPLATFMS1										
4.2	eSight Platform, Subscription and Support(Annual fee validity period : 1 year from " PO signed plus 90 days ")	1	No.		NSHSPLATFMS1										
4.3	eSight Network Management License, 1 Device	25	No.		NSHSSNWMGR11										
4.4	eSight Network Management License, Subscription and Support, 1 Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")	25	No.		NSHSSNWMGRS1										
4.5	eSight WLAN Management License, 1 AP	120	No.		NSHSWLAMGR11										
4.6	eSight WLAN Management License, Subscription and Support, 1 AP(Annual fee validity period : 1 year from " PO signed plus 90 days ")	120	No.		NSHSWLAMGRS1										
4.7	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU 2*32G Memory 2*1200GB SAS HDD 3508(2G cache)+SuperCap,2*4GE 2*900W AC)	1	No.		H22X-05-NSH3101										
4.8	eSight V300R010C00 (Install Disk)(X86)	1	No.		NSHEUL_ER2X86310										
4.9	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU 2*32G Memory 2*1200GB SAS HDD 3508(2G cache)+SuperCap,2*4GE 2*900W AC) Hi-Care Premier	1	No.		02313GKXW_88134UFG-4A2_36										
5	WIRELESS CONTROLLER	1	No.			Huawei	China	USD	6,619.91	6,619.91	1,043,297.82	1,043,297.82	1,664,331.00	1,664,331.00	Single
5.1	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter)	1	No.		AC6508										
5.2	Access Controller AP Resource License(128 AP)	1	No.		L-ACSSAP-128AP										
5.3	Optical Transceiver,SFP+,10G Multi-mode Module(850nm 0.3km LC)	4	No.		OMXD30000										
5.4	250mm*180mm*1(Uequipment front mounting ear(1set)	1	No.		E5700MK00										
5.5	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter) Hi-Care Premier	1	No.		02352QVG_88134UFG-3BC_36										
5.6	AC6508_36Month(s),+12 Month additional Access Controller AP Resource License(128 AP) Hi-Care Application Software Support Service Access Controller AP Resource License(128 AP)_36Month(s)+12 Month additional	1	No.		88034UWE_88134UHH-0C6_36										

ABDUL RAHIM KHAN
 Director
 Information Services Department
 Dow University of Health Sciences

Abdul Rabih Khan
 Project Director, Works & Services,
 Dow University of Health Sciences, Karachi.

Muhammad Khurram Khalid
 Head of Internal Audit

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 Dow University of Health Sciences,

COMPARATIVE STATEMENT AND PURCHASE RECOMMENDATION / PROPOSAL
Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi
TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021
IFB No. DUHS/IDP/2021/125 Dated 23 February, 2021

Item No.	Name of Equipment	Quantity of Stores	Unit	Name of Bidder	Model / Cat No.	Make	Country of Origin	Currency	Unit Price C&F Basis	Total Price CNF Basis	Unit Price C&F Basis Equal to PKR	Total Price CNF Basis Equal to PKR	Unit Price DDP Basis In PKR	Total Price DDP Basis In PKR	Grading
6	SMART 42 U RACK Assembly Cabinet,FusionModule500, ConvergedCabinet(42U Cabinet) with PDU,10K UPS,ECC800e, Door Magnetic Switch,Smoke Sensor, Temperature and Humidity Module,Water detector	1	No.			Huawei	China	USD	12,432.67	12,432.67	1,959,388.79	1,959,388.79	3,185,088.00	3,185,088.00	Single
6.1	Cabinet,FusionModule500, ConvergedCabinet(42U Cabinet) with PDU,10K UPS,ECC800e, Door Magnetic Switch,Smoke Sensor, Temperature and Humidity Module,Water detector	1	No.		ConvergedCabinet500 10U10S2S421										
6.2	Rack Power Distribution Unit, Basic Type-PDU2000-32-1PH-20/4-B9-20-C13+4-C19-Full height Vertical-NO Industrial connector-Free mounting plate	1	No.		PDU2000-32-1PH-20/4-B9										
6.3	Wireless Data Network Card,Non Latin American region, SMS Notification	1	No.		WDNC-WL										
6.4	UPS2000G Battery Pack 685mm,430mm,130mm ESS-240V12-7AHBPVBA01,7Ah	3	No.		ESS-240V12-7AHBPVBA01 BRACKET01										
6.5	Wide Guide rail Assembly Cabinet,FusionModule500, ConvergedCabinet(42U Cabinet) with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor, Temperature and Humidity Module,Water detector, Hi-Care Standard FusionModule500-10K-36Month(s) +2 Month additional	6	No.												
6.6	Cabinet,FusionModule500, ConvergedCabinet(42U Cabinet) with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor, Temperature and Humidity Module,Water detector, Hi-Care Standard FusionModule500-10K-36Month(s) +2 Month additional	1	No.		02115144_88134UUL-089_36										
7	RACK SERVER 2U - 2 SOCKET 2288H V5 (8*2.5inch HDD Chassis, With 2*GE and 2*10GE SFP+(Without Optical Transceiver)) H22H-09(For oversea)	2	Nos.			Huawei	China	USD	8,388.06	16,776.12	1,321,958.26	2,643,916.51	1,853,048.00	3,706,096.00	Single
7.1	2*10GE SFP+(Without Optical Transceiver)) H22H-09(For oversea)	2	Nos.		H22H-05-S8AFF										
7.2	550W platinum AC Power Module	4	Nos.		WEPW55000										
7.3	Intel Xeon Silver 4219(2.5GHz/28-Core/11MB/85W)/Cascade Lake Processor (with heatsink)	4	Nos.		BC5MH2CPU										
7.4	DDR4 RDIMM Memory, 32GB, 2933MT/s, 2Rank(2G*4bit), 1.2V,ECC	16	Nos.		M429R32										
7.5	HDD,600GB,SAS 12Gb/s, 10K rpm, 128MB or above, 2.5inch(2.5inch Drive Bay)	4	Nos.		N600S1210W4										
7.6	SM2111 Onboard NIC, 2xGE Electrical	2	Nos.		BC1M03GEB										
7.7	Interface(350),RJ45 3*x8 (x16 slot) Riser1 Module	2	Nos.		BC1M31RISE										
7.8	9440-8i,PCIe RAID Controller, no Cache, PCIe 3.1 x8,HH/HL	2	Nos.		CN2M9440810G										
7.9	Optical Transceiver,SFP+, 10G, Multi-mode x8,HH/HL	4	Nos.		OMXD30000										
7.10	Module(890mm,0.3km,LC) 9.5MM DVD/RW-CD 24XDVD 8X-SATA DVD-RW Module	2	Nos.		BC1M02DVD										

ENGR. ABDUL RAHIM KHAN
 Project Director
 Health Services Department
 Dow University of Health Sciences, Karachi

MUHAMMAD KHURRAM KHALID
 Head of Procurement
 Health Services Administration
 Dow University of Health Sciences, Karachi

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Dow University of Health Sciences, Karachi

COMPARATIVE STATEMENT AND PURCHASE RECOMMENDATION / PROPOSAL
Procurement of Data Centre Components and Wi-Fi Infrastructure” for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi
IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

Item No.	Name of Equipment	Quantity of Stores	Unit	Name of Bidder	Model / Cat No.	Make	Country of Origin	Currency	Unit Price C&F Basis	Total Price CNF Basis	Unit Price C&F Basis Equal to PKR	Total Price CNF Basis Equal to PKR	Unit Price DDP Basis In PKR	Total Price DDP Basis In PKR	Grading
7.11	2U Ball Bearing Rail Kit(Direct delivery material)	2	Nos.		EZUSRALL01										
7.12	1U/2U Cable Management Arm(Direct delivery material)	2	Nos.		B1U2UCMA										
7.13	SUSE Linux Enterprise Server,English Edition,Enterprise Edition, 12.1, 2 sockets or 2 VMs x86_64bit,Entity/(Paper), No Doc, 1Year7*24Service(OS Manufacturer Service),General OEM RACK Server resell	2	Nos.		GOSSLES10										
7.14	Assembly Cabinet, FusionModule500, ConvergedCabinet(42U Cabinet) with PDU 10K UPS, ECC8000, Door Magnetic Switch, Smoke Sensor, Temperature and Humidity Module, Water detector Hi-Care Standard	2	Nos.		02115144_88134UJL-0B9_36										
8	FusionModule500-10K_36Month(s) +12 Month additional	1	No.	Ms. CommTel		Huawei	China	USD	30,105.11	30,105.11	4,744,565.34	4,744,565.34	7,898,921.00	7,898,921.00	Single
8.1	ALL FLASH STORAGE (30TB RAW CAPACITY) OceanStor Dorado 3000 V6(2U Dual Controller, NVMe, ACQ240V HVDC, 192GB Cache, 8*1Gb ETH, 8*10GbE ETH)(Including Multi-Mode SFP+), 25*Palm, SPE82C0225)	1	No.		D3V6-192G-NVMe-DC										
8.2	3.84TB SSD NVMe Palm Disk Unit(7")	8	Nos.		D3V6-SSD-NVMe-3.84T										
8.3	Patch Cord, D/C/P/C, D/C/P/C, Multi-mode, 3m, A1a 2, 2mm, 42mm D/C, OM3 bending	8	Nos.		SNZF01F CPC										
8.4	Basic Software Licenses (Including DeviceManager, SmartThin, SmartMigration, HyperSnap, HyperReplication, HyperClone, SmartQoS, SmartErase, eSe V/ice)	1	No.		D3V6-LBS-Basic										
8.5	SmartDedupe & SmartCompression Software License General Edition	1	No.		D3V6-DDCM-C-SUP-RES2										
8.6	Basic Software Licenses (Including DeviceManager, SmartThin, SmartMigration, HyperSnap, HyperReplication, HyperClone, SmartQoS, SmartErase, eSe V/ice), Hi-Care Application Software Upgrade Support Service OceanStor Dorado 3000 V6 Basic Software Licenses_36Month(s) +12 Month additional	1	No.		89035XDB_88134UHK-1A6_36										
A	Implementation Charges and support for 3 years +12 Month additional	1	No.	Ms. CommTel	Local	CommTel	local	USD	20,000.00	20,000.00	3,152,000.00	3,152,000.00	3,240,000.00	3,240,000.00	Single
TOTAL PACKAGE VALUE										146,026.18	146,026.18	23,013,726.54	23,013,726.54	32,933,386.00	

Findings / Remarks / Recommendations:

The Bid submitted by Ms. CommTel, Karachi is approved and recommended to purchase being the best evaluated responsive bid @ USD 146,026.18 on C&F/CNF/CFR basis.

ABDUL RAHIM KHAN
 Project Director - Works & Services,
 Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit

PROF. DR. FARHAR DAWAN
 Pro-Vice Chancellor

ABDUL RAHIM KHAN
 Project Director - Works & Services,
 Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit

PROF. DR. FARHAR DAWAN
 Pro-Vice Chancellor

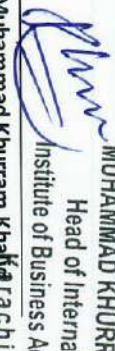
SUMMARY OF BID PRICES
(Arithmetic Corrections and Corrected Bid Prices)

**Procurement of Data Centre Components and Wi-Fi Infrastructure” for
Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi**

**IFB No. DUHS/DP/2021/125 Dated 23 February, 2021
TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021**

Name of Bidder	Total Bid Price at Opening		Correction		Corrected Bid Price		Ranking
	Foreign Currency in USD (C&F Basis)	Local Currency PKR (DDP Basis)	Foreign Currency in USD (C&F Basis)	Local Currency PKR (DDP Basis)	Foreign Currency in USD (C&F Basis)	Local Currency PKR (DDP Basis)	
M/S. COMMTEL, KARACHI	146,025.84	32,933,356.00	0.34	30.00	146,026.18	32,933,386.00	Single Bid


Abdul Rahim Khan
Project Director, Works & Services
Dow University of Health Sciences, Karachi.
Works & Services Department
Dow University of Health Sciences
Karachi


MUHAMMAD KHURAM KHALID
Head of Internal Audit
Institute of Business Administration
Muhammad Khuram Khalid Karachi
Head of Internal Audit
IBA – Karachi


PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi
Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
Dow University of Health Sciences,



FX RATES SHEET
Treasury & Capital Markets Group

14/2/2021

DATE: Monday, 8 March 2021

Ready Transaction Rates

Currency	Symbol	TT Selling	TT Buying
US DOLLAR	USD	157.60	157.10
EURO	EUR	188.35	187.76
JAPANESE YEN	JPY	1.4536	1.4490
BRITISH POUND	GBP	217.72	217.03
SWISS FRANC	CHF	169.21	168.67
CANADIAN DOLLAR	CAD	124.49	124.10
AUSTRALIAN DOLLAR	AUD	121.20	120.82
SWEDISH KRONA	SEK	18.56	18.50
NORWEGIAN KRONA	NOK	18.44	18.39
DANISH KRONA	DKK	25.22	25.14
NEWZEALAND DOLLAR*	NZD	112.79	112.43
SINGAPORE DOLLAR	SGD	117.17	116.80
HONGKONG DOLLAR	HKD	20.37	20.30
KOREAN WON*	KRW	0.1392	0.1388
CHINESE YUAN	CNY	24.29	24.21
MALAYSIAN RINGGIT*	MYR	38.56	38.44
THAI BAHT*	THB	5.14	5.13
U.A.E DIRHAM	AED	42.92	42.78
SAUDI RIVAL	SAR	42.01	41.88
QATAR RIVAL*	QAR	43.30	43.16
KUWAITI DINAR*	KWD	520.87	519.22

Indicative FBP Rates

Currency	SIGHT/ 15 Days	Indicative FBP Rates				
		1M	2M	3M	4M	5M
USD	157.07	157.07	157.03	157.01	156.86	156.69
EUR	186.98	187.06	187.13	187.23	187.19	187.21
GBP	216.97	216.99	216.96	216.94	216.77	216.54

Conversion Rates for Frozen FCY Deposits

Settlement Date	USD	GBP	EUR	JPY
Wednesday, 10 March 2021	157.0994	217.3627	187.341	1.4483

Rates for cash/Currency Notes

Currency	Selling	Buying
USD	159.18	155.53
GBP	219.90	214.83
EUR	189.44	185.87
JPY	1.4682	1.4344
SAR	42.43	41.45
AED	43.35	42.33

LIBOR

Term	Rate
1 Month	0.10325
3 Month	0.18538
6 Month	0.19588

> Please call Treasury Sales Desk (9922 0337, 9922 0438 & 9922 0747) for transactions above USD 5,000 or equivalent amount in other currencies (cumulative basis)
 > Above rates are not valid for transactions above USD 5,000 or equivalent amount in other currencies (cumulative basis)
 > Unless otherwise specifically stated, the given rates are market indicative and subject to change without prior notice
 > NBFC captures above foreign exchange rates from sources believed to be reliable. NBFC does not accept any liability for consequences that may arise from the usage of these rates
 > All FX designated branches must ensure reporting of all export bills falling over due today
 > All FX designated branches must ensure retention of export proceeds into FC accounts as per SBP guidelines
 > For all Chinese Yuan transactions please contact Treasury Sales Desk
 * Currencies listed are NOT available to NBFC's customers, please contact treasury sales for more details

THIS IS A COMPUTER GENERATED RATE SHEET AND DOES NOT REQUIRE ANY SIGNATURE

Treasury Sales Desk - Head Office: L1, Chundrigar Road, Karachi
 Direct Lines: 99220337, 99220438, 99220747. Email: fxsales@nbp.com.pk / fmg.fet@nbp.com.pk / fmg.fet@nbp.com.pk PABX 99220100 - 50, Exts: 3211, 3212, 3213 & 3214

PROF. DR. KARRAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

EMRAT
 Director
 Director Department
 Dow University of Health Sciences
 Karachi

MINUTES OF TECHNICAL BIDS / PROPOSALS OPENING MEETING
HELD AT PROCUREMENT DIRECTORATE
DOW UNIVERSITY OF HEALTH SCIENCES (OJHA CAMPUS), KARACHI
ON 16th MARCH 2021 AT 11:30 A.M

A meeting was held under the chairmanship of Pro-Vice Chancellor, DUHS / Chairman Procurement Committee on 16 March 2021 at 11:30 A.M. to open the technical bids for the **“Procurement of Data Centre Components and Wi-Fi Infrastructure”** for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi received in response to IFB / NIT No. DUHS/DP/2021/125 dated 23-02-2021.

Meeting was attended by the following members of the Procurement Committee and representative of the bidders.

PROCUREMENT COMMITTEE

1. Prof. Dr. Kartar Dawani,
Pro- Vice Chancellor,
Dow University of Health Sciences, Karachi.
2. Mr. Muhammad Khurram Khalid
Head of Internal Audit
IBA – Karachi
3. Mr. Abdul Rahim Khan
Director, Works & Services
Dow University of Health Sciences, Karachi

(Chairman)


DR. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

(Member)

(Member)


ENGR. ABDUL RAHIM KHAN
Project Director
Works & Services Department
Dow University of Health Sciences
Karachi

BIDDER WITH NAME OF REPRESENTATIVE

1. Mr. A. Qadir M/s. CommTel, Karachi
2. Mr. Kashif Anis M/s. Silicon Technologies, Karachi

Meeting started with recitation from the Holy QUR'AN. Chair welcomed the participants and then commenced the proceedings. Forum was apprised that the Invitation for Bid (IFB) IFB / NIT No. DUHS/DP/2021/125 dated 23-02-2021 was hoisted on the DUHS and SPPRA websites at PPMS NIT ID No. T00582-20-0012 and the same was published in 3 widely circulated leading dailies of English, Urdu and Sindhi languages viz. “Daily The Dawn”, “Daily The Jang” and “Daily The Kawish” on 23rd February 2021.






MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

The participants were further informed that following four (04) bids were sold and two (02) vendors viz. M/s. Commtel and M/s. Silicon Technologies submitted their bids upto the bid closing date and time i.e. 11:00 Hrs. on 16-03-2021.

1. M/s. Commtel, Karachi
2. M/s. Popular International, Karachi
3. M/s. Wateen Solutions, Karachi
4. M/s. Mega Plus, Karachi

As per the agenda technical bids received upto the bid submission deadline were announced and it was briefed to the participants that initially, only Technical Bids / Proposals will be opened and evaluated in a manner prescribed in bidding documents and its clarification / addendum / corrigendum, without reference to the price and reject any proposal which does not conform to the specified requirements. Financial Bids / Proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance. Financial Bids / Proposals found technically disqualified / non-responsive shall be returned un-opened to the respective bidder(s).

Meeting ended with the vote of thanks to and from the chair.

1.	Prof. Dr. Kartar Dawani (Chairman) Pro-Vice Chancellor Dow University of Health Sciences, Karachi	 PROF. DR. KARTAR DAWANI Pro Vice Chancellor Dow University of Health Sciences Karachi
2.	Muhammad Khurram Khalid (Member) Head of Internal Audit IBA – Karachi	 MUHAMMAD KHURRAM KHALID Head of Internal Audit Institute of Business Administration Karachi
3.	Abdul Rahim Khan (Member) Project Director, Works & Services, Dow University of Health Sciences, Karachi	 ENGR. ABDUL RAHIM KHAN Project Director Works & Services Department Dow University of Health Sciences Karachi

MINUTES OF FINANCIAL BIDS / PROPOSALS OPENING MEETING

**HELD AT PROCUREMENT DIRECTORATE
DOW UNIVERSITY OF HEALTH SCIENCES (OJHA CAMPUS), KARACHI
ON 26th MARCH 2021 AT 11:45 A.M**

Meeting of the Procurement Committee (PC) was held for the opening of **Financial BIDS / Proposals on March 26, 2021 at 11:45 A.M.** to open and evaluate the financial bids / proposals for the **“Procurement of Data Centre Components and Wi-Fi Infrastructure”** for Sindh Infectious Diseases Hospital & Research Centre at NIPA, Karachi received in response to IFB/NIT No. DUHS/ DP/2021/125 dated 23 February 2021.

The participants include:

PROCUREMENT COMMITTEE

1. Prof. Dr. Kartar Dawani,
Pro- Vice Chancellor,
Dow University of Health Sciences, Karachi.
2. Mr. Muhammad Khurram Khalid
Head of Internal Audit
IBA – Karachi
3. Mr. Abdul Rahim Khan
Director, Works & Services
Dow University of Health Sciences, Karachi

(Chairman)

KD

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

(Member)

(Member)

AK
ENGR. ABDUL RAHIM KHAN
Director
Works & Services Department
Dow University of Health Sciences
Karachi

BIDDER WITH NAME OF REPRESENTATIVE

1. Mr. Hanif Ghazi M/s. Commtel, Karachi.
2. Mr. Kashif Anis M/s. Silicon Technologies, Karachi.

Meeting started with recitation from the Holy QUR'AN. Chair welcomed the participants and then commenced the proceedings. It was informed to the forum that Technical Bids / Proposals were opened on 16 March 2021 and two (02) bidders submitted their bids up to the prescribed bid closing date and time.

After the detailed scrutiny, the technical proposals / bids submitted by M/s. Silicon Technologies was found not responsive to the mandatory requirements / bid evaluation criteria of the bidding documents, hence, technically disqualified. The reasons of the rejection are recorded in the bid evaluation report.

MKK

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Subsequently, the financial offers of the responsive / technically qualified bidder M/s. Commmtel was taken into consideration by the procurement committee and the rates quoted by the bidder were read aloud along with amount of bid security attached by the bidder and each rate in the comparative statement was confirmed from the original bid by the procurement committee and recommendations were made, which were documented in the Bid Evaluation Report (BER).



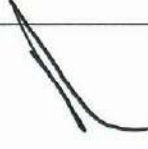
Details of the Bid Security submitted by qualified / responsive bidder is as under:

S#	Name of Bidder	Total Bid Amount	Amount of Bid Security	Bank Guarantee No. & Date	Particulars of Bank
1.	M/s. Commmtel	USD: 146,026.18 PKR 32,933,386.00	Rs. 800,000/-	001/21/176/LG/TC Dated 11-03-2021	Silk Bank Limited TPC, Main Br. Karachi

DECISION / RECOMMENDATION

The bid submitted by M/s. Commmtel, Karachi was approved and recommended to purchase being the lowest evaluated responsive bid for complete package at a total cost of USD 146,026.18.

The meeting ended with the vote of thanks.

1.	Prof. Dr. Kartar Dawani (Chairman) Pro-Vice Chancellor Dow University of Health Sciences, Karachi	 PROF. DR. KARTAR DAWANI Pro Vice Chancellor Dow University of Health Sciences Karachi
2.	Muhammad Khurram Khalid (Member) Head of Internal Audit IBA – Karachi	 MUHAMMAD KHURRAM KHALID Head of Internal Audit Institute of Business Administration Karachi
3.	Abdul Rahim Khan (Member) Project Director, Works & Services, Dow University of Health Sciences, Karachi	 ENGR. ABDUL RAHIM KHAN Project Director Works & Services Department Dow University of Health Sciences Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI				M/S. SILICON TECHNOLOGIES			
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit
1	FIREWALL Make: Huawei, China	2	Nos.		FIREWALL Make: Huawei, China	2	Nos.
1.1	USG6510E AC Host(10*GE RJ45+2*GE SFP,1*Adapter)	2	Nos.	USG6510E-AC	USG6510E AC Host(10*GE RJ45+2*GE SFP,1*Adapter)	2	Nos.
1.2	Micro SD 64GB(SDXC Class 10,MLC NAND Flash)	2	Nos.	ACC9112-N	Micro SD 64GB(SDXC Class 10,MLC NAND Flash)	2	Nos.
1.3	250mm*180mm*1U Equipment front mounting ear(1set)	2	Nos.	E5700MK00	250mm*180mm*1U Equipment front mounting ear(1set)	2	Nos.
1.4	Threat Protection Subscription 36 Months (Applies to USG6510E)	2	Nos.	LIC-USG6510E-TP-3Y	Threat Protection Subscription 36 Months (Applies to USG6510E)	2	Nos.
1.5	USG6510E AC Host(10*GE RJ45+2*GE SFP,1*Adapter) Hi-Care Standard USG6510E_36Month(s) +12 Month additional	2	Nos.	02352PQH_88134UJL-3LE_36	USG6510E AC Host(10*GE RJ45+2*GE SFP,1*Adapter) Hi-Care Standard USG6510E_36Month(s) +12 Month additional	2	Nos.
REMARKS / FINDINGS:-----> RESPONSIVE				REMARKS / FINDINGS:-----> RESPONSIVE			
2	ACCESS POINT Make: Huawei, China	120	Nos.		ACCESS POINT Make: Huawei, China	120	Nos.
2.1	AirEngine5760-51(11ax indoor,2+4 dual bands,smart antenna,USB,IoT Slot,BLE,Optional RTU upgrade to 4+4/2+2+4/2+4+Scan)	120	Nos.	AirEngine5760-51	AirEngine5760-51(11ax indoor,2+4 dual bands,smart antenna,USB,IoT Slot,BLE,Optional RTU upgrade to 4+4/2+2+4/2+4+Scan)	120	Nos.
2.2	AirEngine5760-51(11ax indoor,2+4 dual bands,smart antenna,USB,IoT Slot,BLE,Optional RTU upgrade to 4+4/2+2+4/2+4+Scan) Hi-Care Basic AirEngine5760_36Month(s) +12 Month additional	120	Nos.	02353GES_88134UFA-4TW_36	AirEngine5760-51(11ax indoor,2+4 dual bands,smart antenna,USB,IoT Slot,BLE,Optional RTU upgrade to 4+4/2+2+4/2+4+Scan) Hi-Care Basic AirEngine5760_36Month(s) +12 Month additional	120	Nos.
REMARKS / FINDINGS:-----> RESPONSIVE				REMARKS / FINDINGS:-----> RESPONSIVE			

ENGR. ABUL RAHIM KHAN
 Senior Director
 Project Director - Works & Services,
 Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHAN
 Head of Internal Audit
 Head of Business Administration
 Karachi.

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi.

Prof. Dr. Kartar Dawani
 Pro-Vice Chancellor
 Dow University of Health Sciences,

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI				M/S. SILICON TECHNOLOGIES			
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit
3	AGGREGATION OR CORE SWITCH Make: Huawei, China	2	Nos.		AGGREGATION OR CORE SWITCH Make: Huawei, China	2	Nos.
3.1	S6730-S24X6Q (24*10GE SFP+ ports, 6*40GE QSFP ports, without power module)	2	Nos.	S6730-S24X6Q	S6730-S24X6Q (24*10GE SFP+ ports, 6*40GE QSFP ports, without power module)	2	Nos.
3.2	600W AC Power Module(Back to Front, Power panel side exhaust)	4	Nos.	PAC600S12-CB	600W AC Power Module(Back to Front, Power panel side exhaust)	4	Nos.
3.3	S67XX-S Series Basic SW,Per Device QSFP+,40G,High Speed Direct-attach	2	Nos.	N1-S67S-M-Lic	S67XX-S Series Basic SW,Per Device QSFP+,40G,High Speed Direct-attach	2	Nos.
3.4	Cables,3m,QSFP+38M,CC8P0.32B(S),QSFP+38M,Used indoor	2	Nos.	QSFP-40G-CU3M	Cables,3m,QSFP+38M,CC8P0.32B(S),QSFP+38M,Used indoor	2	Nos.
3.5	10GBase-USR Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.1km,LC)	2	Nos.	SFP-10G-USR	10GBase-USR Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.1km,LC)	2	Nos.
3.6	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)	2	Nos.	OSX010000	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)	2	Nos.
3.7	1U Boxlike equipment lengthening back mounting ear,IEC Expandable size(280-450mm)	2	Nos.	MOUTEARB01	1U Boxlike equipment lengthening back mounting ear,IEC Expandable size(280-450mm)	2	Nos.
3.8	S6730-S24X6Q (24*10GE SFP+ ports, 6*40GE QSFP ports, without power module)_Hi-Care Standard S6730-S24X6Q_36Month(s) +12 Month additional	2	Nos.	02353AJW_88134UJL-42G_36	S6730-S24X6Q (24*10GE SFP+ ports, 6*40GE QSFP ports, without power module)_Hi-Care Standard S6730-S24X6Q_36Month(s) +12 Month additional	2	Nos.
REMARKS / FINDINGS:.....-> RESPONSIVE				REMARKS / FINDINGS:.....-> RESPONSIVE			

MRS. ABUL RAHIM KHAN
Project Director & Services Department
Faculty of Health Sciences
Dow University of Health Sciences
Karachi

Muhammad Khurram Khalid
Head of Internal Audit
Business Administration
Head of Internal Audit - Karachi
IBA - Karachi

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Business Administration
Head of Internal Audit - Karachi
IBA - Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
Dow University of Health Sciences,
Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI				M/S. SILICON TECHNOLOGIES			
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit
4	UNIFIED NETWORK MANAGEMENT SYSTEM	1	No.		UNIFIED NETWORK MANAGEMENT SYSTEM	1	No.
4.1	Make: Huawei, China eSight Platform	1	No.	NHSPPLATFM11	Make: Huawei, China eSight Platform	1	No.
4.2	eSight Platform, Subscription and Support(Annual fee validity period : 1 year from " PO signed plus 90 days ")	1	No.	NHSPPLATFMS1	eSight Platform, Subscription and Support(Annual fee validity period : 1 year from " PO signed plus 90 days ")	1	No.
4.3	eSight Network Management License, 1 Device	25	No.	NHSSSNWMGR11	eSight Network Management License, 1 Device	25	No.
4.4	eSight Network Management License, Subscription and Support, 1 Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")	25	No.	NHSSSNWMGRS1	eSight Network Management License, Subscription and Support, 1 Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")	25	No.
4.5	eSight WLAN Management License, 1 AP	120	No.	NHSHWLANMGR11	eSight WLAN Management License, 1 AP	120	No.
4.6	eSight WLAN Management License, Subscription and Support, 1 AP(Annual fee validity period : 1 year from " PO signed plus 90 days ")	120	No.	NHSHWLANMGRS1	eSight WLAN Management License, Subscription and Support, 1 AP(Annual fee validity period : 1 year from " PO signed plus 90 days ")	120	No.
4.7	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU,2*32G Memory,2*1200GB SAS HDD,3508(2G cache)+SuperCap,2*4GE,2*900W AC)	1	No.	H22X-05-NSH3101	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU,2*32G Memory,2*1200GB SAS HDD,3508(2G cache)+SuperCap,2*4GE,2*900W AC)	1	No.
4.8	eSight V300R010C00 Install Disk(X86)	1	No.	NSHEULER2X86310	eSight V300R010C00 Install Disk(X86)	1	No.
4.9	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU,2*32G Memory,2*1200GB SAS HDD,3508(2G cache)+SuperCap,2*4GE,2*900W AC)_Hi-Care Premier 2288X V5 Server. 36Month(s)+12 Month additional	1	No.	02313CKW_88134UFG-4A2_36	2288X V5(2*Xeon Silver 4210-10Core/2.2GHz CPU,2*32G Memory,2*1200GB SAS HDD,3508(2G cache)+SuperCap,2*4GE,2*900W AC)_Hi-Care Premier 2288X V5 Server. 36Month(s)+12 Month additional	1	No.
REMARKS / FINDINGS:-----> RESPONSIVE				REMARKS / FINDINGS:-----> RESPONSIVE			

ENGR. ABDUL RAHIM KHAN
Project Director
Department
Works & Services Health Sciences
Dow University of Health Sciences
Karachi

Abdul Rahim Khan

Project Director, Works & Services,

Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Business Administration
IBA - Karachi

Muhammad Khurram Khalid

Head of Internal Audit

IBA - Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani

Pro-Vice Chancellor

Dow University of Health Sciences,

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI						M/S. SILICON TECHNOLOGIES					
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	REMARKS / FINDINGS:-----> RESPONSIVE		
5	WIRELESS CONTROLLER Make: Huawei, China	1	No.		WIRELESS CONTROLLER Make: Huawei, China	1	No.		-----> RESPONSIVE		
5.1	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter)	1	No.	AC6508	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter)	1	No.	AC6508	-----> RESPONSIVE		
5.2	Access Controller AP Resource License(128 AP)	1	No.	L-ACSSAP-128AP	Access Controller AP Resource License(128 AP)	1	No.	L-ACSSAP-128AP	-----> RESPONSIVE		
5.3	Optical Transceiver,SFP+,10G Multi-mode Module(850nm,0.3km,LC)	4	No.	OMXD30000	Optical Transceiver,SFP+,10G Multi-mode Module(850nm,0.3km,LC)	4	No.	OMXD30000	-----> RESPONSIVE		
5.4	250mm*180mm*1U equipment front mounting ear(1set)	1	No.	E5700MK00	250mm*180mm*1U equipment front mounting ear(1set)	1	No.	E5700MK00	-----> RESPONSIVE		
5.5	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter)_Hi-Care Premier AC6508_36Month(s)_±12.Month.additional	1	No.	02352QVG_88134UFG-3BC_36	AC6508 mainframe (10*GE ports, 2*10GE SFP+ ports, with the AC/DC adapter)_Hi-Care Premier AC6508_36Month(s)_±12.Month.additional	1	No.	02352QVG_88134UFG-3BC_36	-----> RESPONSIVE		
5.6	Access Controller AP Resource License(128 AP)_Hi-Care Application Software Support Service Access Controller AP Resource License(128 AP)_36Month(s) +12 Month additional	1	No.	88034UWE_88134UHH-0C6_36	Access Controller AP Resource License(128 AP)_Hi-Care Application Software Support Service Access Controller AP Resource License(128 AP)_36Month(s) +12 Month additional	1	No.	88034UWE_88134UHH-0C6_36	-----> RESPONSIVE		
6	SMART 42 U RACK Make: Huawei, China	1	No.		SMART 42 U RACK Make: Huawei, China	1	No.		-----> RESPONSIVE		
6.1	Assembly Cabinet,FusionModule500, ConvergedCabinet(42U Cabinet), with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor, Temperature and Humidity	1	No.	ConvergedCabinet500-10U10S2S42I	Assembly Cabinet,FusionModule500, ConvergedCabinet(42U Cabinet), with PDU,10K UPS,ECC800e,Door Magnetic Switch,Smoke Sensor, Temperature and Humidity	1	No.	ConvergedCabinet500-10U10S2S42I	-----> RESPONSIVE		
6.2	Rack Power Distribution Unit,Basic Type-PDU2000-32-1PH-20/4-B9-20*C13+4*C19-Full height vertical-NO Industrial connector-Free mounting plate	1	No.	PDU2000-32-1PH-20/4-B9	Rack Power Distribution Unit,Basic Type-PDU2000-32-1PH-20/4-B9-20*C13+4*C19-Full height vertical-NO Industrial connector-Free mounting plate	1	No.	PDU2000-32-1PH-20/4-B9	-----> RESPONSIVE		
6.3	Wireless Data Network Card,Non Latin American region,SMS Notification	1	No.	WDNC-WL	Wireless Data Network Card,Non Latin American region,SMS Notification	1	No.	WDNC-WL	-----> RESPONSIVE		

ABDUL RAHIM KHAN
Project Director, Works & Services,
Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
Dow University of Health Sciences,
Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI						M/S. SILICON TECHNOLOGIES					
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.			
6.4	UPS2000G, Battery Pack, 685mm, 430mm, 130mm, ESS-240V12-7AhBPVBA01, 7Ah	3	No.	ESS-240V12-7AhBPVBA01	UPS2000G, Battery Pack, 685mm, 430mm, 130mm, ESS-240V12-7AhBPVBA01, 7Ah	3	No.	ESS-240V12-7AhBPVBA01			
6.5	Wide Guide rail Assembly	6	No.	BRACKET01	Wide Guide rail Assembly	6	No.	BRACKET01			
6.6	FusionModule500, Converged Cabinet(42U Cabinet), with PDU, 10K UPS, ECC800e, Door Magnetic Switch, Smoke Sensor, Temperature and Humidity Module, Water detector, Hi-Care Standard	1	No.	02115144_88134UJL-0B9_36	FusionModule500, Converged Cabinet(42U Cabinet), with PDU, 10K UPS, ECC800e, Door Magnetic Switch, Smoke Sensor, Temperature and Humidity Module, Water detector, Hi-Care Standard	1	No.	02115144_88134UJL-0B9_36			
REMARKS / FINDINGS:-----> RESPONSIVE						REMARKS / FINDINGS:-----> RESPONSIVE					
7	RACK SERVER 2U - 2 SOCKET	2	Nos.		RACK SERVER 2U - 2 SOCKET	2	Nos.				
7.1	Make: Huawei, China 2288H V5 (8*2.5inch HDD Chassis, With 2*GE and 2*10GE SFP+(Without Optical Transceiver)) H22H-05(For	2	Nos.	H22H-05-S8AFF	Make: Huawei, China 2288H V5 (8*2.5inch HDD Chassis, With 2*GE and 2*10GE SFP+(Without Optical Transceiver)) H22H-05(For	2	Nos.	H22H-05-S8AFF			
7.2	550W platinum AC Power Module	4	Nos.	WEPW55000	550W platinum AC Power Module	4	Nos.	WEPW55000			
7.3	Intel Xeon Silver 4215(2.5GHz/8-Core/11MB/85W) Cascade lake Processor (with heatsink)	4	Nos.	BC5MH2CPU	Intel Xeon Silver 4215(2.5GHz/8-Core/11MB/85W) Cascade lake Processor (with heatsink)	4	Nos.	BC5MH2CPU			
7.4	DDR4 RDIMM	16	Nos.	M429R32	DDR4 RDIMM	16	Nos.	M429R32			
7.5	Memory, 32GB, 2933MT/s, 2Rank(2G*4bit), 1.2V, ECC	4	Nos.	N600S1210W4	Memory, 32GB, 2933MT/s, 2Rank(2G*4bit), 1.2V, ECC	4	Nos.	N600S1210W4			
7.6	HDD, 600GB, SAS 12Gb/s, 10K rpm, 128MB or above, 2.5inch(2.5inch Drive Bay)	2	Nos.	BC1M03FGEB	HDD, 600GB, SAS 12Gb/s, 10K rpm, 128MB or above, 2.5inch(2.5inch Drive Bay)	2	Nos.	BC1M03FGEB			
7.7	SM211 Onboard NIC, 2xGE Electrical Interface(1350), RJ45	2	Nos.	BC1M31RISE	SM211 Onboard NIC, 2xGE Electrical Interface(1350), RJ45	2	Nos.	BC1M31RISE			
7.8	3*x8 (x16 slot) Riser1 Module	2	Nos.	CN2M94408I0G	3*x8 (x16 slot) Riser1 Module	2	Nos.	CN2M94408I0G			
	9440-8i, PCIe RAID Controller, no Cache, PCIe 3.1 x8_HH/HI	2	Nos.		9440-8i, PCIe RAID Controller, no Cache, PCIe 3.1 x8_HH/HI	2	Nos.				

ABDUL RAHIM KHAN
Project Director, IT Services,
Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi

PROF. DR. KARTAR DAWANI
Pro Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawani
Pro-Vice Chancellor
Dow University of Health Sciences,

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI						M/S. SILICON TECHNOLOGIES					
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.			
7.9	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)	4	Nos.	OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)	4	Nos.	OMXD30000			
7.10	9.5MM DVD-RW-CD 24X/DVD 8X-SATA DVD-RW Mouldle	2	Nos.	BC1M02DVD	9.5MM DVD-RW-CD 24X/DVD 8X-SATA DVD-RW Mouldle	2	Nos.	BC1M02DVD			
7.11	2U Ball Bearing Rail Kit (Direct delivery material)	2	Nos.	E2USRAL01	2U Ball Bearing Rail Kit (Direct delivery material)	2	Nos.	E2USRAL01			
7.12	1U/2U Cable Management Arm (Direct delivery material)	2	Nos.	B1U2UCMA	1U/2U Cable Management Arm (Direct delivery material)	2	Nos.	B1U2UCMA			
7.13	SuSE Linux Enterprise Server, English Edition, Enterprise Edition, 12.*.2 sockets or 2 VMs, x86, 64bit, Entity (Paper), No Doc, 1 Year 7*24 Service (OS Manufacturer Service), General OEM RACK Server resell	2	Nos.	GOSSLES10	SuSE Linux Enterprise Server, English Edition, Enterprise Edition, 12.*.2 sockets or 2 VMs, x86, 64bit, Entity (Paper), No Doc, 1 Year 7*24 Service (OS Manufacturer Service), General OEM RACK Server resell	2	Nos.	GOSSLES10			
7.14	Assembly Cabinet, FusionModule500, Converged Cabinet (42U Cabinet), with PDU, 10K UPS, ECC800e, Door Magnetic Switch, Smoke Sensor, Temperature and Humidity Module, Water detector, Hi-Care Standard FusionModule500-10k_36Month(s) +12 Month additional	2	Nos.	02115144_88134UJL-0B9_36	Assembly Cabinet, FusionModule500, Converged Cabinet (42U Cabinet), with PDU, 10K UPS, ECC800e, Door Magnetic Switch, Smoke Sensor, Temperature and Humidity Module, Water detector, Hi-Care Standard FusionModule500-10k_36Month(s) +12 Month additional	2	Nos.	02115144_88134UJL-0B9_36			
REMARKS / FINDINGS:-----> RESPONSIVE						REMARKS / FINDINGS:-----> RESPONSIVE					
8	ALL FLASH STORAGE (30TB RAW CAPACITY)	1	No.		ALL FLASH STORAGE (30TB RAW CAPACITY)	1	No.				
	Make: Huawei, China				Make: Huawei, China						
8.1	OceanStor Dorado 3000 V6(2U, Dual Ctrl, NVMe, AC) 240V HVDC, 192GB Cache, 8*1Gb ETH, 8*10Gb ETH (including Multi-Mode, SPF+), 25*Palm, SPE62C0225)	1	No.	D3V6-192G-NVMe-DC	OceanStor Dorado 3000 V6(2U, Dual Ctrl, NVMe, AC) 240V HVDC, 192GB Cache, 8*1Gb ETH, 8*10Gb ETH (including Multi-Mode, SPF+), 25*Palm, SPE62C0225)	1	No.	D3V6-192G-NVMe-DC			
8.2	3.84TB SSD NVMe Palm Disk Unit(7")	8	Nos.	D3V6-SSD-NVMe-3.84T	3.84TB SSD NVMe Palm Disk Unit(7")	8	Nos.	D3V6-SSD-NVMe-3.84T			
8.3	Patch Cord, DLC/PC, DLC/PC, Multi-mode, 3m, A1a.2, 2mm, 42mm, OM3 bending insensitive	8	Nos.	SN2F01FCPC	Patch Cord, DLC/PC, DLC/PC, Multi-mode, 3m, A1a.2, 2mm, 42mm, OM3 bending insensitive	8	Nos.	SN2F01FCPC			

ENGR. ABDUL RAHIM KHAN
 Works & Services Department
 Dow University of Health Sciences
 Karachi

Abdul Rahim Khan

Project Director, Works & Services,
 Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
 Head of Internal Audit
 Institute of Business Administration
 IBA - Karachi
 Karachi

Muhammad Khurram Khalid

Head of Internal Audit
 Institute of Business Administration
 IBA - Karachi
 Karachi

PROF. DR. KARTAR DAWANI
 Pro Vice Chancellor
 Dow University of Health Sciences
 Karachi

Prof. Dr. Kartar Dawani

Pro-Vice Chancellor
 Dow University of Health Sciences,
 Karachi

RESPONSIVENESS TO MAJOR TECHNICAL SPECIFICATIONS OF BIDS (SECTION - V)

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16 MARCH 2021 --- FINANCIAL BIDS OPENED ON 26 MARCH 2021

M/S. COMMTEL, KARACHI			M/S. SILICON TECHNOLOGIES					
Item No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.	Name of Equipment	Quantity of Stores	Unit	Model / Cat No.
8.4	Basic Software Licenses (Including DeviceManager, SmartThin, SmartMigration, HyperSnap, HyperReplication, HyperClone, SmartQoS, SmartErase, eService)	1	No.	D3V6-LBS-Basic	Basic Software Licenses (Including DeviceManager, SmartThin, SmartMigration, HyperSnap, HyperReplication, HyperClone, SmartQoS, SmartErase, eService)	1	No.	D3V6-LBS-Basic
8.5	SmartDedupe & SmartCompression Software License General Edition	1	No.	D3V6-DDCM-C-SUP-RES2	SmartDedupe & SmartCompression Software License General Edition	1	No.	D3V6-DDCM-C-SUP-RES2
8.6	Basic Software Licenses (Including DeviceManager, SmartThin, SmartMigration, HyperSnap, HyperReplication, HyperClone, SmartQoS, SmartErase, eService), Hi-Care Application Software Upgrade Support Service OceanStor Dorado 3000 V6 Basic Software Licenses. 36Month(s) +12 Month additional	1	No.	88035XDB_88134UHK-1A6_36	Basic Software Licenses (Including DeviceManager, SmartThin, SmartMigration, HyperSnap, HyperReplication, HyperClone, SmartQoS, SmartErase, eService), Hi-Care Application Software Upgrade Support Service OceanStor Dorado 3000 V6 Basic Software Licenses. 36Month(s) +12 Month additional	1	No.	88035XDB_88134UHK-1A6_36
			REMARKS / FINDINGS:.....-> RESPONSIVE					
			REMARKS / FINDINGS:.....-> RESPONSIVE					

ENGR ABUL RAHIM KHAN
Project Director
Information Sciences Department
Dow University of Health Sciences
Karachi

Project Director, Works & Services,
Dow University of Health Sciences, Karachi.

MUHAMMAD KHURRAM KHALID
Head of Internal Audit
Institute of Business Administration
Karachi.

Head of Internal Audit
IBA - Karachi

PROF. DR. KARTAR DAWAHI
Pro-Vice Chancellor
Dow University of Health Sciences
Karachi

Prof. Dr. Kartar Dawahi
Pro-Vice Chancellor
Dow University of Health Sciences,

TECHNICAL EVALUATION REPORT

Procurement of Data Centre Components and Wi-Fi Infrastructure

IFB No. DUHS/DP/2021/125 Dated 23 February, 2021

TECHNICAL BIDS / PROPOSALS OPENED ON 16th March, 2021

NAME OF BIDDER		M/s. CommTel	
NAME OF ITEM		Data Centre Components and Wi-Fi Infrastructure Complete Package	
MODEL / CAT #		Various (Refer Annexure 4)	
MAKE		Huawei	
COUNTRY OF ORIGIN		China	
S#	CRITERIA / PARAMETERS / SUB-PARAMETERS	Total Marks	
1	Year Establishment (Credible documentary evidence must be provided)	5	
1.1	Established during 2010 or early	5	5
1.2	Established during 2011-2015	3	0
1.3	Established during 2015-2020	2	0
2	Solution Composition/Simplicity (Credible documentary evidence must be provided)	20	
2.1	Complete solution with One Brand	20	20
2.2	Complete solution with Two Brands	10	0
2.3	Complete Solution with Three Brand	5	0
3	Technical Staff (Credible documentary evidence must be provided)	20	
3.1	OEM Certified Resource (02 Marks for each Resource)	10	8
3.2	Certified Project Management Professional (PMP) (05 Marks for each Professional)	10	10
4	Bidder's Networking Setup across the Pakistan (Credible documentary evidence must be provided)	10	
4.1	Head Office with 4 or more regional offices	10	10
4.2	Head Office with 3 regional offices	8	0
4.3	Head Office with 2 regional offices	4	0
4.4	Head Office with 1 regional office	2	0
5	Past Experience / Performance in Public or Private Sector Organizations. (Documentary evidence in the shape of Contract Award / Purchase Order AND Satisfactory performance certificate / Delivery Challan / Goods Receiving Note / LC or any other relevant Document)	25	
5.1	Bidder's experience for deployment of Wi-Fi Project with minimum 100 Access Point and Controllers in Single Project. (3 Marks for each Project)	15	6
5.2	Bidder's experience for deployment of Firewall related project having the value of Rs. 5 million or more (2 Marks for each Project)	6	6
5.3	Bidder's experience for deployment of Medium Scale I.T. Project having the value of Rs. 10 million or more (This should be other than experience claimed against evaluation criteria mentioned at Sr. No. 5.1 & 5.2) (1 Mark for each Project)	4	4
6	Average Annual Turnover (Total Income) during last three (03) financial years (Audited Statements of Accounts and Income Tax Return Forms must be attached as supporting documents)	10	
6.1	Above PKR 300 million	10	10
6.2	Above PKR 200 million	5	0
6.3	Above PKR 100 million	3	0
6.4	Below PKR 100 million	0	0
7	Bonus points	10	
7.1	Free of Cost Comprehensive Extended Warranty from the manufacturer (in addition to the standard or warranty period required in these bidding documents) at least for one year including parts & services / labor. (Bidder offering greater extended warranty period will get the full marks only)	10	0
TOTAL MARKS / POINT SCORE		100	79
REMARKS / FINDINGS			Qualified

Abdul Rahim Khan
Project Director, Works & Services
Dow University of Health Sciences, Karachi.

Muhammad Khuram Khalid
Head of Internal Audit
Institute of Business Administration
Karachi

Prof. Dr. Kartar Dawan
Pro-Vice Chancellor
Dow University of Health Sciences,
Karachi