



**TO SUPPLY, INSTALL AND CONFIGURE SUPPORT INFRASTRUCTURE FOR PRE-MIGRATION DATA CENTRE
TO INSTITUT PERUBATAN DAN PERGIGIAN TERMAJU
UNIVERSITI SAINS MALAYSIA, BERTAM, 13200 KEPALA BATAS, PULAU PINANG**

TECHNICAL SPECIFICATION SCHEDULE

QUOTATION NO : S/B/IPPT/17/09

TAX CODE : TX-RE

ITEM NO.	UNIVERSITY'S DESCRIPTION	QUANTITY	BIDDER'S SPECIFICATION (Please Write Your Specification In This Column)	TECHNICAL EVALUATION (FOR OFFICIAL USE ONLY)
<p>A. ITEM NAME</p> <p>Support Infrastructure for Pre-Migration Data Centre</p> <p>B. DESCRIPTIONS</p> <p>To supply, install and configure support infrastructure for pre-migration works with existing IPPT infrastructure to new Data Centre.</p> <p>Installation of internal network cabling and power cables inside proposed rack shall be fixed not more than 14 days after delivery within neat and organized. All network cables is recommended to be installed on the left side of the rack (back) while the power cables is recommended to be installed on the right side of the rack (back).</p> <p>List of existing critical infrastructure servers:</p> <ol style="list-style-type: none"> 1. HP Server VMESXI-N1 2. HP Server VMESXI-N2 3. HP Server VMESXI-N3 4. IBM Server HVC01-N1 5. IBM Server HVC01-N2 				

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C.	6. IBM Server HVC01-N3	2 Units		
	7. IBM Server HVC01-N4			
	8. IBM Server HVC01-N5			
	9. IBM Server HVC02-N1			
	10. IBM Server HVC02-N2			
	11. IBM Server HVC02-N3			
	ESSENTIAL COMPONENTS			
	1. 42U Server Rack			
	2. Server Rack Management Console			
	3. Power Distribution Unit (PDU)			
	4. Networking and hardware configuration			
D.	TECHNICAL SPECIFICATION	2 Units		
	1. 42U Server Rack			
	1.1. Shall supply and install 42U HPE BW903A 600x1075mm or better.			
	1.2. 1075mm Side Panel Kit (p/n: BW906A).			
	1.3. 40 units of 1U Black Universal Filler Panel.			
	1.4. Cable Management D-ring Kit.			
	1.5. HPE LCD 8500 1U Console or better.			
	1.6. HPE 0x1x8 G3 KVM Console Switch or better.			
	1.7. 8 unit HPE KVM USB Adapter or better			
	1.8. 8 unit HPE IP CAT5 6ft/2m Cable or better			
	2. Server Rack Management Console	1 Unit		
	2.1. HPE LCD 8500 1U Console or better.			

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E.	<p>2.2. HPE 0x1x8 G3 KVM Console Switch or better.</p> <p>2.3. 8 unit HPE KVM USB Adapter or better</p> <p>2.4. 8 unit HPE IP CAT5 6ft/2m Cable or better</p> <p>3. Power Distribution Unit (PDU)</p> <p>3.1. Shall supply and install Power Distribution Unit APC AP7822 or better.</p> <p>3.2. Shall configure all internal server rack wiring with existing servers listed above description with requirement as bellows:</p> <p>3.2.1. Metered, 2U, 32A, 230V</p> <p>3.2.2. Output Connector: C13 x 12, C19 x 4</p> <p>3.2.3. Input Connector: IEC 309 32A 2P+E</p> <p>4. Networking and hardware configuration</p> <p>4.1. Shall configure all servers networking and hardware with existing infrastructure.</p> <p>4.2. Shall label all network nodes in all server racks.</p> <p>4.3. Shall test and report for all connections and hardware.</p> <p>4.4. Shall refer Figure 1 for setting up Rack 1 and Figure 2 for setting up Rack 2.</p>	4 Units		
	<p>STANDARD REQUIREMENT AND INSTRUCTION</p> <p>1. Supplier shall furnish a clause-by-clause commentary (detail comments) on the above requirements. The supplier who commented with texts such as “Yes”, “Complied”, “Refer to catalogue” or any text of this nature shall be considered as NON-REPONSIVE.</p> <p>2. Supplier shall provide information regarding their servicing capabilities including response time and mechanism.</p> <p>3. Detail works and implementations of the physical and logical network configuration shall be discussed and agreed together with the IPPT’s ICT section before the actual</p>	1 Lot		

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	task run.			

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Images | Labels | Position

DCR-01A-03 DCR-01A-03 (Rear)

Pos	Device	Pos	Device
42		42	
41		41	
40		40	
39		39	
38		38	
37		37	
36		36	
35		35	
34		34	
33		33	
32		32	
31		31	
30		30	
29		29	
28		28	
27		27	
26		26	
25		25	
24		24	
23	IT LEAD PANEL CONSOLE	23	SECURITY CONSOLE SWITCH
22		22	
21		21	
20		20	
19		19	
18		18	
17		17	
16		16	
15		15	
14		14	
13	HYDRA	13	HYDRA
12	HYDRA	12	HYDRA
11	HYDRA	11	HYDRA
10	HYDRA	10	HYDRA
9	HYDRA	9	HYDRA
8		8	
7		7	
6		6	
5		5	CDU 10103-02
4		4	
3		3	CDU 10103-01
2		2	
1		1	

Markup Key

Reservation

IT Infrastructure

Power Distribution

CDU 10103-01

(0.00 kW) / (12.68 kW Max)

0%

CDU 10103-02

(0.00 kW) / (12.68 kW Max)

0%

Add CDU

Last Audit: Never

Model: IBM

Data Center: DCX-PP-KB

Install Date: 2017-07-10

Zone: POD01

Row: ROW-A

Tags:

Certify Audit

Add Device

Audit Report

Map Coordinates

Edit Cabinet

Delete Cabinet

Cabinet Metrics

Spice 21%

Weight (3000) 6%

Computed Watts 1 kW / 0 kW

Measured Watts 0 kW / 0 kW

Approximate Center of Gravity: 10U

Environmental Sensors

Add Sensor

WVWVWVW

WVWVWVW