

6. Technical specifications / BoQ (Single Job)

Specifications			QTY	Compliance (Yes/No)	Rate	Amount
Capacity	KVA	20	1	YES	990452/ 990452	
Brand	Vertiv / APC or equivalent			VERTIV		
Input	Voltage	380/400/415 (Line voltage)		YES		
	Voltage Range	380 -400 VAC		YES		
	Frequency	40/70 Hz ± 6%		YES		
Output	Voltage	380/400/415 (Line voltage)		YES		
	Frequency	50/60 Hz ± 1%		YES		
	Wave Form	Sine Wave		YES		
Battery	Type	Dry, Maintenance Free		YES		
	Battery Capacity	15 Minutes or higher		YES		
Protection	Full Protection	Under / Over Voltage		YES		
Protection Phase	Full Protection 3 Phase	Spike / Surge Suppression.		YES		
		Overload, Short Circuit		YES		
		Configurable for 400 or 415V 3 Phase nominal output voltage		YES		
Communications & Management	Interface Port	DB-9 RS-232, RJ-45 10/100 Base		YES		
		Multi-function LCD status and control console		YES		
		Auditable and visible alarms		YES		
		Emergency Power Off (EPO)	YES			
		SNMP Card for Monitoring	YES			
Warranty	3 Years Comprehensive onsite warranty		YES			

MEMBER (EXTERNAL)
 CENTRAL PURCHASE COMMITTEE
 INSTITUTE OF BUSINESS ADMINISTRATION
 KARACHI
 HES

MEMBER
 CENTRAL PURCHASE COMMITTEE
 INSTITUTE OF BUSINESS ADMINISTRATION
 KARACHI
 Finance
 JBA, Karachi

Provision & Commissioning of 20KVA UPS

CHAIRPERSON
 CENTRAL PURCHASE COMMITTEE
 INSTITUTE OF BUSINESS ADMINISTRATION
 KARACHI
 DR. S.M. Faisal Jindat
 Assistant Professor
 JBA, Karachi



	including batteries				
Installation and Commissioning	Complete installation of the UPS including all material				
Total					PKR. 990,452/-
SST for Job					H/A
17% GST for Supplies					PKR. 168,377/-
Grand Total Amount					PKR. 1,158,829/-

Grand Total Amount Rupees (in words) ELEVEN LAC FIFTY EIGHT THOUSAND
EIGHT HUNDRED & TWENTY NINE ONLY.

[Signature]
 MEMBER (EXTERNAL)
 CENTRAL PURCHASE COMMITTEE
 INSTITUTE OF BUSINESS ADMINISTRATION
 KARACHI
 Havis Cureshi
 PPRA Advisor
 HES

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 CENTRAL PURCHASE COMMITTEE
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 DR. S. M. Faisal Isradat
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[Signature]
 Stamp & Signature

