

AVIATION COMPLEX BLUE AREA, ISLAMABAD

BILL NO. 3.B: ELECTRICAL WORKS (ENERGY MONITORING SYSTEM)

BILL OF QUANTITIES

Item No.	Item Description	Unit	Qty	Unit Rate (Rs.)	Total Amount (Rs.)
(i)	(ii)	(iii)	(iv)	(v)	(vi)
GENERAL NOTE. SCOPE : (Applicable to all sections) Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per specifications and as approved by the Engineer.					
<u>ENERGY MONITORING SYSTEM</u> (Ref. Specs: 8001, 8400)					
Supply Installation Testing and commissioning of Energy Monitoring Systems as per latest IEC Standards standards.					
EM-B-01	Supply Installation Testing and commissioning of IEC , UL & MID CERTIFIED Dual Triff 3 phase Energy Meter, built in RS 485 Communication port including CT's complete in all Respect.	Job	800		
EM-B-02	Supply Installation Testing and commissioning of Master data logging device with memory , transient recording , with Bacnet connectivity, ethernet , minimum class accuracy 0.2 s , harmonis up to 63 , transcient , sag , swell complete in all respect.	Job	40		
EM-B-03	Supply Installation Testing and commissioning of RS485 Cable in appropriate size conduits Slave Devices with master data logging devices	Mtr	8,100		
EM-B-04	Supply Installation Testing and commissioning of CAT-6a Cable in appropriate size conduits	MTR	3,000		
EM-B-05	Supply Installation Testing and commissioning of Energy Management Software Along with Computer(core i7 latest generation 32 GB ram & 1 T SSD	Job	1		
EM-B-06	Supply Installation Testing and commissioning of NETWORKING SWITCH 8 PORT Complete In All Respect	Job	10		
EM-B-07	Supply Installation Testing and commissioning of NETWORKING SWITCH 24 PORT Complete In All Respect	Job	2		
EM-B-08	Installation, Testing, Training & Commissioning Of Complete Energy System Complete In All Respect	Job	1		
				Total Amount (Rs.) =	