

PAKISTAN AIRPORTS AUTHORITY
(ES E&M MULTAN DIVISION)

(BOQ)

Name of Work: REHABILITATION / IMPROVEMENT OF ELECTRICAL & HVAC INFRASTRUCTURE AT PAA OFFICER / STAFF MESS AT SZIAP RAHIM YAR KHAN

SH: E&M WORKS

Sr.#	Description	Qty	Unit	Rate(Rs.)		Amount (Rs.)
				(In Figures)	(In Words)	
1	Dismantling of light and fan or call bell point all system of wiring except wiring in recessed conduit including finishing and making good the wall as required.	25	Jobs			
2	Providing, installation, testing and commissioning of 16 to 18 Watts recessed / surface mounted ceiling lights / down lights including driver, having warm / neutral white / cool white color, 80-90 lm/watts efficiency, 0.9 or above power factor, 20000 – 25000 hours life cycle, including connection, complete in all respect as approved by the engineer Incharge. (Philips/signify,osram,GE,Thorn)	42	Jobs.			
3	Providing, installation, testing and commissioning of recessed / surface mounted LED Panel Light including driver, having warm / neutral white / cool white color, 80-100 lm/watts efficiency, 0.9 or above power factor, 20000 – 25000 hours life cycle, including connection, complete in all respect as approved by the engineer incharge. 34-36 watts(2X2) (Philips/signify,osram,GE,Thorn)	42	Jobs.			
4	Providing & installing 140 CM (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Pak, GFC, Younas	34	Jobs.			
5	Providing & fixing 13 Amps Polycarbonate flame retardant 3-pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required. (Schneider/Philips)	32	Jobs.			
6	Providing & fixing 15 Amps Polycarbonate flame retardant 3-pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required. (Schneider/Philips)	18	Jobs.			
7	Providing & fixing 10 Amps Polycarbonate flame retardant sp switch with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required. (Schneider/Philips)	40	Jobs.			
8	Providing & Installing 20 cm (8") sweep, Double action plastic body exhaust fan complete with blades, motor and pulling cord switch etc fixed in existing hole including connection with 14.0076" flexible wire complete as required Pak,royal,GFC,younas,millat.	15	Jobs.			

9	Providing, installation, testing and commissioning of 1.5 Ton (18000 BTU) split type wall mounted air conditioner DC Inverter in the specified place. The job includes connection of copper piping of outdoor unit fitted on roof or angle iron frame, making interconnection of the unit with suitable sizes of wire also piping for condensed water etc as required approved make.(Imported).	16	Jobs		P/Job	
10	Providing, installation, testing and commissioning of 02 Ton (22800 BTU-24000 BTU) split type wall mounted air conditioner DC Inverter in the specified place. The job includes connection of copper piping of outdoor unit fitted on roof or angle iron frame, making interconnection of the unit with suitable sizes of wire also piping for condensed water etc as required approved make.(Imported).	2	Jobs		P/Job	
11	Providing, Installing, Testing & Commissioning of 50 / 55 Gallons capacity Dual Supply (Gas & Electric) Geysers, with fully automatic thermostat, complete in all respect, as approved by the Engineer Incharge.	6	Jobs.		P/Job	
12	Wiring for sub-main with 2X 4mm ² , PVC Insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20mm (3/4") dia uPVC conduit fitted on surface as required.	450	Meter		P/Meter	
13	Providing & Fixing 6 to 32 Amps, S.P MCCB fixed on existing board, l/c inter-connection as required.	10	Jobs.		P/Job	
14	Providing, installation, Testing & Commissioning of Flood Light (IP66) including driver, having neutral white / cool white color, 90 - 110 lm/watts efficiency, 0.9 or above power factor, 20000-25000-hour life cycle 90-100 watts, including connection, complete in all respect as approved by the Engineer Incharge.(90-100 Watts) (PHILIPS/SIGNIFY, OSRAM, GE, Thorn)	16	Jobs.		P/Job	
15	Providing & Fixing Earthing set with 2"x2'x1/4" copper plate buried in the ground at the depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical powder) etc making the pit 12 feet deep by excavation of all type of soil (Except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2" G.I conduit complete in all respect as required.	2	Jobs		P/Job	
Total						

Divisional Engineer ES (E&M)
Multan Division, Multan

Contractor Representative