

## BOQ OF LOCAL ITEM FOR HVAC SYSTEM

Project : Head Office **Modhumoti Bank, Gulshan.**

Supply & Installation of **Local Item**

SI.	Items	Unit	Qty	Rate Taka	Amount Taka
<b>1.0</b>	<b>Refrigerant piping.</b>				
	For Liquid & Suction line pipe connection with Indoor & Outdoor unit.				
1.1	Ø 6.35mm	Rft	750		-
1.2	Ø 9.5mm	Rft	650		-
1.3	Ø 12.7mm	Rft	950		-
1.4	Ø 15.9mm	Rft	800		-
1.5	Ø 19.05mm	Rft	500		-
1.6	Ø 22.2mm	Rft	450		-
1.7	Ø 25.4mm	Rft	300		-
1.8	Ø 28.6mm	Rft	200		-
1.9	Ø 34.93mm	Rft	150		-
1.10	Ø 41.3mm	Rft	200		-
<b>2.0</b>	<b>Copper pipe Insulation.</b>				
	<b>Brand : Superlon, Malaysia.</b>				
2.1	Ø 6.35mm	Rft	750		-
2.2	Ø 9.5mm	Rft	650		-
2.3	Ø 12.7mm	Rft	950		-
2.4	Ø 15.9mm	Rft	800		-
2.5	Ø 19.05mm	Rft	500		-
2.6	Ø 22.2mm	Rft	450		-
2.7	Ø 25.4mm	Rft	300		-
2.8	Ø 28.6mm	Rft	200		-
2.9	Ø 34.93mm	Rft	150		-
2.10	Ø 41.3mm	Rft	200		-
<b>3.0</b>	<b>Consumable materials.</b>	Lot	1		-
	Wrapping tape, black tape, thread tape, Package tape, Royal bolt, Join nut with washer etc. materials				
<b>4.0</b>	<b>Indoor unit Installation Charge with Material.</b>	Nos	80		-
<b>5.0</b>	<b>Outdoor unit Installation Charge with Material.</b>	Nos	10		-
<b>6.0</b>	<b>410a Gas charge</b>	kg	120		-
<b>7.0</b>	<b>Nitrogen Flash</b>	Lot	1		-
<b>8.0</b>	<b>Control Cable etc.</b>	Rft	3000		-

Sl.	Items	Unit	Qty	Rate Taka	Amount Taka
<b>9.0</b>	<b>uPVC Drain Line</b>				
	Condensate drain line with Nitrile rubber insulation				
9.1	Size: Ø 25 mm	Rft	1500		-
9.2	Size: Ø 19.05 mm	Rft	1500		-
<b>10.0</b>	<b>Sheet Metal Ducting</b>				
	Duct works include Tees, bends, elbows, reducers, offsets, etc. with prime quality sheet. The ducts shall be complete with necessary angle, flange bracing. Stiffeners etc. made of M.S. Angle / Flat bar. Approved sealant shall have to be used to make duct leak proof. Before installation duct inside shall be cleaned. All hangers shall have to be painted with red oxide paint. SMACNA standards shall have to be				
	Duct made of GP Sheet, 24 SWG	Sft	800		-
<b>11.0</b>	<b>Duct Insulation (Closed Cell)</b>				
	<b>Brand: Superlon, Malaysia.</b>				
	For Supply air & Return air duct				
	Duct shall be insulated with Poly Elastomeric (PE) Foam insulation with one side aluminum foil pasted of minimum density 18 kg/m <sup>3</sup> , thermal conductivity 0.035 kcal/h.m.C. Self adhesive aluminum tape shall be used in the joining places of insulation.				
	For Supply and Return air duct : 13 mm thick	Sft	800		-
<b>12.0</b>	<b>Air Terminals</b>				
12.1	Supply Air Diffuser / Grille c/w neck damper.				
	Neck Size : As require	Sft	20		-
<b>13.0</b>	<b>ACDB 01 (6th Floor+7th Floor)</b>	lot	1		-
	Incoming				
	100A,400V,50HZ Copper Busbar of adequate rating with Earthing strip,				
	Outgoing:				
	63A TP MCCB - 10 sets,				
	10A SP MCB - 79 set				
	Spare MCB: 10 A SP				
	Voltmeter (Digital)				
	A Meter (Analogue)				

Sl.	Items	Unit	Qty	Rate Taka	Amount Taka
<b>14.0</b>	<b>Electrical Cabling Works (BRB)/ (Paradise)</b>	Lot	1		0
	NYY insulated & PVC sheathed cable				
	1C-4 x 16 sq.mm (NYY) cable with 10 sq.mm (BYA) ECC				
	1C-2 x 1.5 sq.mm (BYA) cable with 1.5 sq.mm (BYA) ECC wire				
<b>15.0</b>	<b>Testing, Commissioning &amp; Balancing</b>	Job	1		-
	After proper installation the system will be tested, commissioned and balanced as per recommendations.				
<b>Total Taka-</b>					<b>-</b>