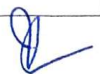


SCHEDULE OF QUANTITY

Name of Work: Construction of Academic cum Administrative Building (G+6), Residential Buildings Type-II&III, 2 Blocks, 72 Nos, (S+9), Type-IV&IV(s), 1 block, 28 nos, (S+7), Type-V, 4 Blocks, 80 Nos, (S+10) with Monolithic Concrete Construction technology, Type-VI, 1 Block, 14 Nos, (S+7), Director's Residence (G+1), 3 nos 656 bedded Hostel Buildings (S+8) with Monolithic Concrete Construction technology, Kitchen cum Dining (G+2), Guest House (G+2), 500 seated Auditorium (GF), Health Centre (G+1), Community Centre (G), Commercial facility Centre (S+1), Sports Complex (GF) including all internal & external services of Civil, Electrical, Mechanical including STP, WTP, Roads, Footpaths, Landscaping & Horticulture etc Fire, GRIHA & IGBC compliant building for a Functional Permanent Campus of IISER, at Berhampur, Odisha. (SH: One time commissioning/defect rectification of low side units of HVAC like AHUs, CSUs, TFAs, Cassette units, Fan coil units, Hi-wall units, ducts, dampers etc. installed in Academic building at IISER, Berhampur, Odisha i/c one year of DLP.)

S.N.	DESCRIPTION	Qty	Unit	Rate	Amount
1	One time commissioning/defect rectification of factory-built floor mounted chilled water double skin type horizontal/vertical air handling units made of 25mm thick panels consisting of pre plasticized G.I. casing of thickness 0.8mm outside layer and 0.8 mm inside layer with polyurethane foam (PUF) insulation factory injected between them by injection moulding machine, complete with blower section with blower suitable for static pressure as required, minimum 2 bend GSS/PVC eliminators, cooling coil section with aluminium finned copper tubes (tubes thickness not less than 0.5mm) cooling coil of 6 row deep, filter section with 50mm thick metal viscous/washable synthetic type air prefilters & Fine filter (Bag filters), belt drive package with TEFC drive motor of efficiency class IE3 suitable for $415 \pm 10\%$ volts, 50Hz, 3 Phase AC supply suitably designed for variable frequency drive applications, drain connections, stainless steel (18G) drain pan with PUF insulation, 150 mm dia. dial type pressure gauges (2 nos.) and industrial type thermometers (2 nos.) at the inlet and outlet of coil, auto purge valve wherever required, necessary vibration isolation arrangement etc.				

	complete as per specification and of following capacities i/c one-year DLP and excluding the BMS integration work.				
a	16000 CFM FM AHU	2	Nos.	16,927.00	33,854.00
b	15000 CFM FM AHU	2	Nos.	16,927.00	33,854.00
c	14000 CFM FM AHU	7	Nos.	16,927.00	1,18,489.00
d	10000 CFM FM AHU	9	Nos.	16,927.00	1,52,343.00
e	9000 CFM FM AHU	11	Nos.	13,363.00	1,46,993.00
f	8000 CFM FM AHU	14	Nos.	9,800.00	1,37,200.00
g	6000 CFM FM AHU	7	Nos.	9,800.00	68,600.00
h	5000 CFM FM AHU	11	Nos.	9,800.00	1,07,800.00
i	4000 CFM FM AHU	1	Nos.	9,800.00	9,800.00
j	2000 CFM FM AHU	1	Nos.	9,800.00	9,800.00
2	One time commissioning/defect rectification of factory-built Ceiling Suspended chilled water double skin type horizontal/vertical air handling units made of 25mm thick panels consisting of pre plasticized G.I. casing of thickness 0.8mm outside layer and 0.8 mm inside layer with polyurethane foam (PUF) insulation factory injected between them by injection moulding machine, complete with blower section with blower suitable for static pressure as required, minimum 2 bend GSS/PVC eliminators, cooling coil section with aluminium finned copper tubes (tubes thickness not less than 0.5mm) cooling coil of 6 row deep, filter section with 50mm thick metal viscous/ washable synthetic type air prefilters & Fine filter (Bag filters) , belt drive package with TEFC drive motor of efficiency class IE3 suitable for 415 $\pm$ 10% volts, 50Hz, 3 Phase AC supply suitably designed for variable frequency drive applications, drain connections, stainless steel (18G) drain pan with PUF insulation, 150 mm dia. dial type pressure gauges (2 nos.)and industrial type thermometers (2 nos.) at the inlet and outlet of coil				



	i/c one-year DLP and excluding the BMS integration work.				
a	2500 CFM CS AHU	5	Nos.	9,800.00	49,000.00
b	2000 CFM CS AHU	14	Nos.	9,800.00	1,37,200.00
3	One time commissioning/defect rectification of Ceiling Suspended TFA Units made of 25mm thick panels consisting of pre plasticized G. I. Casing of thickness 0.8mm outside layer and 0.8mm inside layer with polyurethane foam, Thermal Break Profile, Intake Section with Damper, Pre Filter - MERV 8, Bag Type Fine Filter - MERV 13, CHW Cooling Coil, 2 Bend PVC Eliminator, IE3 Motor, with Fan & Isolator) i/c one year DLP and excluding the BMS integration work.				
a	635 CFM to 1100 CFM TFA	24	Nos.	9,800.00	2,35,200.00
4	One time commissioning/defect rectification of Factory built Energy Recovery Ventilator (ERV) unit made of 22gauge pre coated cabinet and casing shall insulated with 13mm closed cell high density insulation to prevent condensation of moisture on exteriors or interiors of the unit. ERV shall consist of inlet fresh air fan motor set and room air exhaust fan motor set. A 3Å molecular sieve coated aluminium heat recovery wheel along with drive motor for exchange of heat between fresh air and room exhaust air. The rotor/wheel matrix has equal sensible and latent recovery. Large panel opening for easy access to filter, filter section with washable synthetic type air prefilters, Feather touch brush seals minimize cross contamination. Belt drive package with TEFC drive motor suitable for 230±10% volts, 50Hz, 1 Phase AC supply having a remote control to start /stop. Item shall include MCB and Electrical cabling for proper connection i/c one-year DLP and excluding the BMS integration work.				

a	ERV- 1765 CFM	3	Nos.	9,800.00	29,400.00
b	ERV- 1176 CFM	4	Nos.	9,800.00	39,200.00
5	One time commissioning/defect rectification of fan coil units (400 CFM, 600 CFM & 800 CFM), Cassette units (3.8 TR, 3.1 TR, 2TR, 1.65 TR, 1 TR), Hi-wall units (1.27 TR) of following capacities, ceiling/ wall mounted complete with electrical wiring etc as required i/c one-year DLP and excluding the BMS integration work.	367	Nos.	6,236.00	22,88,612.00
				TOTAL	35,97,345.00
				SAY	35,97,345.00

Assistant Engineer (E)-I
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Executive Engineer & SM (E)
IPED, CPWD, Berhampur