

Tender Ref. No.: DTU/EnggCell/2635/19-20/Civil

Tender ID No.: 2020_DTU_187143_2

CORRIGENDUM - 02

Name of work: Annual Repair & Maintenance of Residential and Non-residential Buildings i.e. administrative block, Academic blocks, sports complex, Hostels, staff Qtrs. at DTU campus, Bawana road, Delhi during the year 2019-20 & 2020-21. SH: Civil, Electrical & Horticulture Works. (Composite Work).

The following modifications are approved in the NIT for the above mentioned work:-

Modification No. 01

Schedule of Quantity										
Existing provision in Schedule						Should be read as				
S. NO.	Item No.	Descriptions	Qty	Unit	Rate (Rs.)	Amount (Rs.)	Qty	Unit	Rate (Rs.)	Amount (Rs.)
Civil Work										
1	122	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 20 mm nominal outer diameter Pipes	650.00	Mtr	216.20	140530	780.935	Mtr	179.95	140529

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2	153	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	1250.00	kg	384.50	480625	1080.20	kg	444.90	480581
3	170	Providing and fixing IS marked Stainless Steel tower bolt, with necessary screws etc. complete (heavy type) as approved by the engineer-in-charge. :								
		300x10 mm(Wt. not less than 300 gm)	125.00	Each	195.00	24375.00	125	Each	195.00	24375.00
		250x10 mm(Wt. not less than 200 gm)	155.00	Each	195.00	30225.00	168	Each	180.00	30240.00
		200x10 mm(Wt. not less than 150 gm)	450.00	Each	195.00	87750.00	532	Each	165.00	87780.00

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Electrical Work

Existing provision in Schedule

Schedule of Work

Should be read as

S. No.	Description of work	QTY	Units	Rate Rs.	Amount Rs.	S. No.	Description of work	QTY	Units	Rate Rs.	Amount Rs.
101.00	AMC of Air conditioner of Comprehensive running maintenance of Air-conditioners of capacity different makes installed at various places at DTU campus i/c rewinding of blower motor replacement of defective parts, charging of refrigerant gas in case of leakage, rewinding/ replacement of compressor, and cleaning, washing the coil, oiling, greasing including testing and commissioning as required.	1,000	Each	587.00	3522000	101.01	Supply and fixing of PCB NEW O-G & LANCER MAKE WITH REMOTEtail complete as per direction of Engineer-In-Charge	1	each	3500	3500
							Window A.C. 1.5 tr	1	each	3500	3500
							Window AC 2 tr	1	each	5300	5300
							Split AC 1.5 tr	1	each	4800	4800
							Split AC 2tr	1	each	16000	16000
							Tower AC tr	1	each	18000	18000
							Cassette AC. 4 tr	1	each		
							Supply and fixing PCB Repair etc all complete as perdirections of Engineer-In-Charge				
							Window AC 1.5 tr	4	each	1850	7400
							Window AC 2 tr	5	each	1850	9250
							Split AC 1.5 tr	1	each	2130	2130
							Split AC 2tr	6	each	2130	12780
						101.02					
							Tower AC,2 tr	1			
							Cassette AC,4 tr	5	each	2700	2700
							Supply and fixing of FAN MOTOR (New) existing AC with necessary fittings and labour all complete as per direction of engineer in charge.			8000	40000

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101.04	Window AC 1.5 tr	1	each	3500	3500
	Window AC 2 tr	1	each	4500	4500
	Supply and fixing of FAN MOTOR INDOOR in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.				
	Window AC 1.5 tr	1	each	3500	3500
	Window AC 2 tr	1	each	4000	4000
	Split AC 1.5 tr	3	each	4000	12000
	Split AC, 2tr	3	each	4000	12000
	Tower AC, 2 tr	1	each	11000	11000
	Cassette AC, 4 tr	1	each	15500	15500
	Supply and fixing of FAN MOTOR OUT DOOR of approved make in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.				
101.05	Split AC 1.5 tr	3	each	4500	13500
	Split AC 2tr	2	each	5500	11000
	Tower AC, 2 tr	1	each	12200	12200
	Cassette AC, 4 tr	1	each	16000	16000
101.06	Supply and fixing of Motor Capacitor of approved make all complete as per direction of E-J-C.				
	Window AC 1.5 tr	6	each	950	5700
	Window AC, 2 tr	4	each	950	3800
	Split AC, 1.5 tr	2	each	1200	2400
	Split AC, 2tr	3	each	1200	3600
	Tower AC, 2 tr	1	each	2000	2000
101.07	Cassette AC, 4 tr	2	each	3000	6000
	Supply and fixing of SWING MOTOR in existing AC with necessary fittings and				

	labour all complete as per direction of engineer in charge.					
	Split AC, 1.5 tr	1	each	1500	1500	
	Split AC, 2tr	1	each	1800	1800	
101.08	Supply and fixing of FAN BLADE OUTDOOR in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.					
	Window AC 2 tr	1	each	2400	2400	
	Split AC 1.5 tr	1	each	1800	1800	
	Split AC, 2tr	1	each	2200	2200	
	Tower AC, 2 tr	1	each	6000	6000	
	Cassette AC, 4 tr	1	each	3000	3000	
101.09	Supply and fixing of BLOWER FAN in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.					
	WAC 1.5 tr	1	each	1800	1800	
	WAC 2 tr	1	each	2000	2000	
101.10	Supply and fixing of COMPRESSOR RECIPROCATING (NEW) all complete as per direction of Engineer-In-Charge					
	WAC 1.5 tr	2	each	13000	26000	
	WAC 2tr	4	each	14000	56000	
	Split AC 1.5 tr	3	each	13700	41100	
	Split AC, 2tr	4	each	14000	56000	
	Tower AC 2 tr	1	each	15700	15700	
	Cassette AC 4 tr	2	each	48000	96000	
101.11	Supply and fixing of ROTARY COMPRESSOR New in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.					
	WAC 1.5 tr	1	each	12800	12800	
	WAC 2 tr	1	each	13800	13800	
	Split AC 1.5 tr	1	each	12800	12800	

	Split AC, 2tr	1	each	13800	13800
	Cassette AC,4 tr	1	each	48000	48000
101.12	Supply and fixing of RUNNING CAPACITOR in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.				
	WAC 1.5 tr	17	each	850	14450
	WAC 2 tr	15	each	850	12750
	Split AC 1.5 tr	15	each	850	12750
	Split AC 2tr	15	each	850	12750
	Tower AC2 tr	1	each	2100	2100
	Cassette AC 4 tr	1	each	3000	3000
101.13	Supply and fixing of COOLING COIL in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.				
	WAC 1.5 tr	1	each	4500	4500
	WAC 2 tr	1	each	5500	5500
	Split AC 1.5 tr	1	each	7000	7000
	Split AC 2tr	1	each	7500	7500
101.14	Supply and fixing of RELAY CONTRACTOR in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.				
	Split AC 1.5 tr	3	each	4000	12000
	Split AC2tr	5	each	4000	20000
	Tower AC,2 tr	1	each	6300	6300
	Cassette AC,4 tr	6	each	7200	43200
101.15	Supply and fixing of STARTING CAPACITOR in existing AC with necessary fittings and labour all complete as per direction of engineer in charge.				
	Window AC 1.5 tr	16	each	650	10400
	WAC 2 tr	15	each	650	9750
	Split AC 1.5 tr	14	each	950	13300
	Split AC, 2tr	15	each	950	14250

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	Tower AC,2tr	1	each	1200	1200
	Cassette AC,4 tr	1	each	3000	3000
101.16	Supply and fixing of POWER CORD 2.5/4 sq.mm in				
	WAC 1.5 tr	20	Mtr	148	2960
	WAC 2 tr	20	Mtr	148	2960
	Split AC,1.5 tr	123	Mtr	148	18204
	Split AC, 2tr	120	Mtr	148	17760
	Tower AC,2 tr	48	Mtr	148	7104
	Cassette AC,4 tr	45	Mtr	170	7650
101.17	Supply and testing of NITROGEN in ACs all complete as per direction of Engineer-In-Charge				
	WAC 1.5 tr	10	each	550	5500
	WAC 2 tr	12	each	550	6600
	Split AC 1.5 tr	14	each	550	7700
	Split AC,2tr	9	each	550	4950
	Tower AC, 2 tr	1	each	550	550
101.18	Cassette AC, 4 tr	7	each	650	4550
	Supply and refilling of GAS REFRIGERANT R-22 in ACs all complete in front of Engineer-In-Charge.				
	WAC 1.5 tr	58	each	2500	145000
	WAC 2 tr	55	each	2500	137500
	Split AC 1.5 tr	79	each	3000	237000
	Split AC, 2tr	90	each	3000	270000
101.19	Tower AC,2 tr	1	Per ton	2500	2500
	Cassette AC,4 tr	16	Per ton	3000	48000
	Supply and refilling of GAS REFRIGERANT R-410 in ACs all complete in front direction of Engineer-In-Charge.				

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	WAC 1.5 tr	1	each	4000	4000
	WAC 2 tr	1	each	4000	4000
	Split AC, 2tr	5	each	4000	20000
	Supply and refilling of GAS REFRIGERANT R-32 in ACs all complete as per direction of Engineer-In-Charge.				
101.20	WAC 1.5 tr	4	each	3800	15200
	WAC 2 tr	1	each	3800	3800
	Split AC 1.5 tr	5	each	4400	22000
	Split AC, 2tr	5	each	4500	22500
	Supply and fixing of FRONT GRILL in with necessary fittings and labour all complete as per direction of engineer in charge.				
101.21	Window AC 1.5 tr	1	each	1800	1800
	Window AC 2 tr	1	each	1800	1800
	Dismantling				
101.22	Window AC 1.5 tr	20	each	550	11000
	Window AC 2 tr	16	each	550	8800
	Split AC 1.5 tr	6	each	740	4440
	Split AC 2tr	9	each	730	6570
	Ductable AC, 2 tr	1	each	730	730
	Cassette AC, 4 tr	1	each	1900	1900
	Installation and fixing of AC including loading AC from store and unloading the AC at site all complete as per direction of Engineer-In-Charge.				
101.23	Window AC 1.5 tr	25	each	730	18250
	Window AC 2 tr	44	each	730	32120
	Split AC, 1.5 tr	18	each	1400	25200
	Split AC, 2tr	30	each	1400	42000

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	Tower 2 tr	1	each	3000	3000
101.24	Wet service of AC including taking out the AC and cleaning with chemical/washing power and re-fixing the AC all complete as per direction of Engineer-In-Charge.				
	Window AC 1.5 tr	100	each	450	45000
	Window AC 2 tr	130	each	450	58500
	Split 1.5 tr	89	each	450	40050
	Split 2tr	91	each	450	40950
	Tower 2 tr	6	each	2000	12000
101.25	Cassette 4 tr	74	each	2000	148000
	Dry service of AC including taking out the AC and cleaning with chemical/washing power and re-fixing the AC all complete as per direction of Engineer-In-Charge.				
	Window AC 1.5 tr	166	each	200	33200
	Window AC 2 tr	150	each	200	30000
	Split 1.5 tr	112	each	220	24640
	Split 2tr	140	each	220	30800
101.26	Tower 2 tr	2	each	750	1500
	Cassette 4 tr	74	each	750	55500
	Supply and fixing of VALVE size of 5/8 inch the AC with fitting and labour all complete as per direction of engineer in charge				
	Split 1.5 tr	1	each	850	850
	Split 2tr	1	each	850	850
	Cassette 4 tr	1	each	850	850
101.27	Supply and fixing of VALVE size of 3/8 inch the AC with fitting and labour all complete as per direction of engineer in charge				

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	Split 1.5 tr	1	each	750	750
	Split 2tr	1	each	750	750
	Tower 2 tr	1	each	750	750
	Cassette 4 tr	1	each	750	750
101.28	Supply and fixing of VALVE size of 1/2 inch in the AC with fitting and labour all complete as per direction of engineer in charge				
	Split 2tr/1.5tr	1	each	550	550
	Cassette 4 tr	1	each	550	550
	Supply and fixing of VALVE size of 1/4 inch in the AC with fitting and labour all complete as per direction of engineer in charge				
101.29	Split 2tr/1.5tr	1	each	450	450
	Cassette 4 tr	1	each	450	450
	Supply and fixing of compressorsroll in ACs including labour and fittings all complete in presence of Engineer-In-Charge				
	Cassette 4 tr	1	each	40000	40000
101.31	Supply and fixing of drain motor pump including necessary fittings and labour all complete as per direction of Engineer-in-charge.				
	Split 2tr	2	each	4800	9600
	Cassette 4 tr	3	each	6500	19500
	Supply and fixing of VALVE size of 3/4 inch in the AC with fitting and labour all complete as per direction of engineer in charge				

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	Split 1.5 tr	1	each	900	900
	Split 2tr	1	each	900	900
	Cassette 4 tr	1	each	900	900
101.33	Supply and fixing of High Pressure switch with necessary fittings and labour all complete as per direction of Engineer-in-charge.				
	Cassette 4 tr	6	each	4400	26400
101.34	Supply and fixing Low Pressure switch with necessary fittings and labour all complete as per direction of Engineer-in-charge.				
	Cassette 4 tr	6	each	4500	27000
	Supply and fixing of sensor for condenser or cooling coil with necessary fittings and labour all complete as per direction of Engineer-in-charge.				
101.35	WAC 1.5 tr	1	each	250	250
	WAC 2 tr	1	each	250	250
	Split 1.5 tr	1	each	450	450
	Split 2tr	1	each	450	450
	Tower 2 tr	1	each	1450	1450
	Cassette 4 tr	1	each	2450	2450
	Supply and fixing of copper piping with necessary fittings and labour all complete as per direction and in presence of Engineer-in-charge.				
101.36	Split 1.5 tr	84	Mtr	950	79800
	Split 2tr	221	Mtr	950	209950
	Tower 2 tr	107	Mtr	1250	133750
	Cassette 4 tr	77	Mtr	1250	96250
101.37	Supply and fixing of Insulation with necessary fittings and labour all complete as per direction of Engineer-in-charge				

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	Split 1.5 tr	131	Mtr	60	7860
	Split 2tr	150	Mtr	60	9000
	Tower 2 tr	15	Mtr	120	1800
	Cassette 4 tr	47	Mtr	20	940
	Supply and fixing of Flexible pipe with required size and necessary fittings and labour all complete as per direction of Engineer-in-charge				
101.38	Split 1.5 tr	1	Mtr	70	70
	Split 2tr	1	Mtr	60	60
	Tower 2 tr	1	Mtr	60	60
	Cassette 4 tr	1	Mtr	60	60
	Supply and fixing of drain pipe with required size and necessary fittings and labour all complete as per direction of Engineer-in-charge				
101.39	Split 1.5 tr	81	Mtr	30	2430
	Split 2 tr	136	Mtr	30	4080
	Tower 2 tr	15	Mtr	50	750
	Cassette 4 tr	39.24	Mtr	50	1962
	Cutting round hole by core drill machine 2.5" with necessary fittings and labour as per direction of engineer-in-charge.				
101.40	Split 1.5 tr	2	each	850	1700
	Split 2tr	1	each	850	850
	Tower 2 tr	1	each	850	850
	Cassette 4 tr	1	each	850	850
	Cutting and chases the wall all complete i/c labour and equipment as per direction of engineer-in-charge. (Including scaffolding for all height up to 15.00 mtr.)				
101.41	Split 1.5 tr	1	each	75	75
	Split 2tr	1	each	75	75
	Tower 2 tr	1	each	120	120
	Cassette 4 tr	1	each	120	120

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101.42	Supply and fixing of tray of size for window ac 15x27 inch as per direction of engineer in charge. (Including scaffolding for all height up to 15.00 mtr.)	1	each	420	420
	WAC 1.5 tr				
101.43	WAC 2 tr	1	each	420	420
	Supply and fixing of iron stand including fastener, screw etc. all complete as per direction of engineer-in-charge. (Including scaffolding for all height up to 15.00 mtr.)				
101.44	Split 1.5 tr	12	each	600	7200
	Split 2tr	32	each	600	19200
101.45	Supply and fixing of re-winding of fan motor (indoor) all complete as per direction of engineer in charge.				
	Split 1.5 tr	1	each	3400	3400
101.46	Split 2tr	1	each	3400	3400
	Tower 2 tr	1	each	6500	6500
101.47	Cassette 4 tr	1	each	7500	7500
	Supply and fixing of re-winding of fan motor (outdoor) all complete as per direction of engineer in charge.				
101.48	WAC 1.5 tr	1	each	1800	1800
	WAC 2 tr	1	each	1800	1800
101.49	Split 1.5 tr	1	each	3000	3000
	Split 2tr	1	each	3200	3200
101.50	Tower 2 tr	1	each	5950	5950
	Cassette 4 tr	1	each	7000	7000
101.51	Cutting of window grill in required places for all height upto 15.00 mtr. including scaffolding as direction of Engineer-In-Charge				
	Window AC 1.5 tr	1	each	500	500
101.52	Window AC 2 tr	1	each	500	500

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101.47	Inspection/checking of the existing non-working AC by qualified technician and detect the problem and submit the estimate for repairing the spare parts all complete as per direction of engineer in charge. (Cost of spare parts shall be paid extra)				
	Window AC 1.5 tr	120	each	350	42000
	Window AC 2 tr	120	each	350	42000
	Split 1.5 tr	101	each	350	35350
	Split 2tr	100	each	350	35000
	Tower 2 tr	6	each	350	2100
	Cassette 4 tr	25	each	350	8750
					3522000

Modification No. 2. Unit of Item nos. from 299 to 313 should be read as Each in place of Pcs. in Civil Work (Schedule of Quantity)

Modification No. 3. Unit of Item nos. from 45.19 to 45.21 should be read as Each in place of Roll in Electrical Work (Schedule of Quantity)

The other terms and conditions of NIT are unchanged. This corrigendum shall form part of NIT & agreement.

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