

Government eProcurement System
Created By: Pushkar Pagnis
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Tender Title: Replacement of Cooling Towers (02 Nos.) at Devi Ahilya Bai Holkar Airport, Indore
Tender ID: 2025_AAI_245400_1

Tender Inviting Authority: <AGM (Engg.-E), AAI, Indore>

Name of Work: <Replacement of Cooling Towers (02 nos.) at DABH Airport, Indore.>

Contract No: <2025_AAI_245400_1>

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Mvac Engineers (GSTN-NA) BID ID -902703		Juhi and jai contractors pvt ltd (GSTN-NA) BID ID - 902265		mighty steel (GSTN-NA) BID ID -900272		Virtus Techno (GSTN-NA) BID ID -902606	
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					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	SITC of FRP Induced draft Cooling Towers (CTI certified) complete with FRP basin suitable for 350 TR Screw Chiller, casing, distribution system, fills, louvers, ladder, fan, motor, supports for fan & motor, brass strainers, , control cabling / wiring, all accessories as per specifications and any other item required to make the system complete. Water Inlet / Outlet Temp: 99 / 89 Deg. F Design ambient wet bulb temperature: 82 Deg. F Water Flow Rate: 1050 USGPM Type: INDUCED DRAUGHT COUNTER FLOW Tower Structure: Casing : FRP,Basin : FRP LOUVERS : FRP Fan motor : Energy efficient (IE3) FAN ENCLOSER : IP 55 Power Supply : 415V, 3 Phase, 50 Hz Fill support/Bird screen/distribution support :Hot dipped Galvanized frame Drift eliminators : PVC Hardware : Stainless Steel Ladder: HDG STEEL	2.00	Job	100.00	1036750.00	2073500.00	926123.00	1852246.00	1300000.00	2600000.00	1359560.40	2719120.80
2.00	Dismantling of existing Cooling Towers and shifting of dismantled cooling towers items to electrical store at NITB, DABH Airport, Indore.	2.00	Job	100.00	35750.00	71500.00	19500.00	39000.00	25000.00	50000.00	31250.00	62500.00
3.00	Supply of 250mm, Manual Gear Operated Heavy Duty Butterfly Valve of cooling tower outline , Body - Cast Iron - IS 210, FG 220, PN -16, Type - Wafer Type, Disc - S.G. Iron, Shaft - AISI 410, Body Liner - Integrally moulded nitrile, with epoxy powder coated, compatible with the existing HVAC system, complete as required.	2.00	Each	10.00	19060.00	38120.00	20576.00	41152.00	47500.00	95000.00	18315.00	36630.00
4.00	Supply of 250mm Dia, Motorised Heavy Duty Butterfly Valve of Cooling Towers inline, Body - Cast Iron - IS 210, FG 220, PN -16, Type - Wafer Type, Disc - C.F 8 / SS 304, Shaft - AISI 410, Body Liner - Integrally moulded nitrile, with epoxy powder coated, BMS Compatible with intelligent Control, Quarter Turn Actuators complete as required.	2.00	Each	10.00	67640.00	135280.00	54569.00	109138.00	128500.00	257000.00	25515.00	51030.00

L1 Amount	L1 Vendor
1852246.00	Juhi and jai contractors pvt ltd
39000.00	Juhi and jai contractors pvt ltd
36630.00	Virtus Techno
51030.00	Virtus Techno

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					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
12.00	Supply of following size 1.1 KV grade multicore aluminium conductor XLPE insulated and PVC sheathed armoured cable as per IS : 7098:1988 (Part 1) with upto date amendment complete as required. 4 X 16 sq. mm	180.00	Metre	10.00	220.00	39600.00	229.00	41220.00	179.00	32220.00	163.75	29475.00
13.00	Laying of one number XLPE insulated PVC sheathed power cable of 1.1kV grade of following size on existing Cable Tray as required. Upto 35 sqmm	180.00	Metre	10.00	70.00	12600.00	46.00	8280.00	299.00	53820.00	100.00	18000.00
14.00	Replacement of existing VFD with new, including SITC of Variable Frequency Drive (VFD) suitable for 3-phase, 415 V, 50 Hz, 15kW, lcc 100 kA, , IP20 protection class, air-cooled, suitable for frequency output range of 0–500 Hz, including programming as per load requirement, mounting arrangement, all necessary control wiring, termination, hardware, accessories, and integration with existing system, complete as required at site and as directed by the Engineer-in-Charge.	2.00	Job	10.00	59710.00	119420.00	47645.00	95290.00	120000.00	240000.00	68750.00	137500.00
15.00	SITC of following size EU-4 type air filters suitable for existing Air Handling Units (AHUs) and shall be of high efficiency, 10-15 micron, constructed with Synthetic media and Aluminium frame, conforming to relevant IS/ASHRAE standards, shall be of following sizes suitable for mounting in the existing filter housing arrangement, including dismantling and removal of existing filters, cleaning of filter section, fixing of new filters with proper alignment and sealing, checking of air leakage, testing of pressure drop across the filter bank,complete as required and as directed by the Engineer-in-Charge.											
16.00	610 mm X 610 mm X 50 mm	24.00	Each	10.00	820.00	19680.00	702.00	16848.00	2000.00	48000.00	1562.50	37500.00
17.00	610 mm X 305 mm X 50 mm	20.00	Each	10.00	720.00	14400.00	559.00	11180.00	1500.00	30000.00	1437.50	28750.00
18.00	305 mm X 305 mm X 50 mm	4.00	Each	10.00	490.00	1960.00	416.00	1664.00	1000.00	4000.00	1187.50	4750.00
19.00	Replacement of existing UV lamp with new including SITC of following type low-pressure mercury vapor discharge type ultraviolet germicidal lamps (UV-C), linear tubular format, designed to emit radiation suitable for use in AHUs, ducts or surface disinfection systems,the lamps shall be of T5 configuration, complete with necessary holders, electronic ballast/driver (if required), mounting hardware, wiring connections and supports as per site conditions and shall comply with relevant safety and environmental norms.											
20.00	145 W, 4pin, Single Ended, Approx length: 1600mm(Philips TUV 64T5 HO 4P SE or equivalent)	60.00	Each	10.00	5720.00	343200.00	4550.00	273000.00	3000.00	180000.00	3437.50	206250.00

L1 Amount	L1 Vendor
29475.00	Virtus Techno
8280.00	Juhi and jai contractors pvt ltd
95290.00	Juhi and jai contractors pvt ltd

16848.00	Juhi and jai contractors
11180.00	Juhi and jai contractors
1664.00	Juhi and jai contractors

180000.00	mighty steel
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