

Government eProcurement System Created By: Saubhik Pan Created Date/Time: 25-Apr-2025 05:39 PM Tender Title: Reconfiguration of Existing and Under-Construction Terminal Buildings- Phase-II. SH- Provision of Air Conditioning Tender ID: 2025_AAI_228823_1
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Tender Inviting Authority: Airports Authority of India, Dibrugarh Airport

Name of Work: RECONFIGURATION OF EXISTING AND UNDER-CONSTRUCTION TERMINAL BUILDINGS-PH-II SH: PROVISION OF AIR CONDITIONING

Contract No: 2025_AAI_228823_1

SCHEDULE OF WORK / ITEM(S)					SNOWMEX ENGINEERS LIMITED (GSTN-07AAMCS8717P1ZF) BID ID - 838203		Powermech Services Private Limited (GSTN-NA) BID ID -836254	
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Rate	Amount	Rate	Amount
1.00	Supply, Installation, Testing and commissioning of factory built floor mounted/Ceiling suspended chilled water double skin type air handling units made of panels consisting of pre plasticised G.I. casing of 0.60mm outside layer and 0.6 mm inside layer with polyurethane foam (PUF) insulation of 23+/-2 mm minimum thickness and 38 kg/cum density injected between them, complete with blower section with blower suitable for static pressure as detailed below, cooling coil section with aluminium finned copper tubes (tubes thickness not less than 0.41mm) cooling coil, filter section with 50mm thick washable synthetic type air pre-filters belt drive package with TEFC drive motor (IE-2) suitable for 415±10% volts , 50Hz, 3 Phase AC supply, drain connections, stainless steel (18G) drain pan PUF insulation necessary vibration isolation arrangement etc. complete as per specification and of following capacities. Note: AHU should have provision for placing the adequate UVGI lamps/system							
1.10	FLOOR MOUNTED 18000 Cfm (nominal) of Static Pressue 50 mm of WC	1.00	Job	803700.00	705000.00	705000.00	886060.00	886060.00
1.20	FLOOR MOUNTED 12000 Cfm (nominal) of Static Pressue 50 mm of WC	1.00	Job	515271.00	508000.00	508000.00	609166.00	609166.00
1.30	CEILING SUSPENDED 3500 Cfm (nominal) of Static Pressue 50 mm of WC	1.00	Job	202449.00	265000.00	265000.00	236898.00	236898.00
2.00	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building/masonry ducts (with necessary clamps, vibration isolators, bends, reducers, tees, supports, flow indicators etc. fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastomeric nitrile rubber of minimum 45 Kg / m3 density, thermal conductivity 0.037 W/MK or better at 20 deg. mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note:- The Pipes of sizes 150 mm & below shall be M.S. 'C' class as per IS : 1239. (Nominal Thickness of the nitrile insulation shall be 32 mm).							
2.10	80mm Dia.	100.00	Meter	4199.00	1900.00	190000.00	1135.00	113500.00
2.20	65mm Dia.	65.00	Meter	3305.00	1700.00	110500.00	982.00	63830.00
2.30	50mm Dia.	25.00	Meter	2492.00	900.00	22500.00	847.00	21175.00
3.00	Supply, installation, testing and commissioning of following normal sizes of insulated (insulation thickness 9mm class O fire rated) CPVC drain piping of 50mm (nominal) size with necessary claps, bends, supports, etc. as required and specified. 40 mm dia	75.00	Meter	614.00	480.00	36000.00	419.00	31425.00
4.00	SITC of Valves: Supply, fixing, testing and commissioning of following valves duly insulated with same specifications as that of connected piping complete with companion flanges, nuts, bolts, gaskets, adequate support etc. as specified. BUTTERFLY VALVE (MANUAL) with CI body SS Disc, Nitrile Rubber Seal & O- Ring for chilled water/hot water circulation as specified.							
4.10	80mm Dia.	4.00	Job	10122.00	3600.00	14400.00	11954.00	47816.00
4.20	65mm Dia.	8.00	Job	9283.00	3200.00	25600.00	10958.00	87664.00
4.30	50mm Dia.	2.00	Job	7547.00	1200.00	2400.00	9563.00	19126.00

L1 Amount	L1 Vendor
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705000.00	SNOWMEX ENGINEERS LIMITED
508000.00	SNOWMEX ENGINEERS LIMITED
236898.00	Powermech Services Private Limited

113500.00	Powermech Services Private Limited
63830.00	Powermech Services Private Limited
21175.00	Powermech Services Private Limited
31425.00	Powermech Services Private Limited

14400.00	SNOWMEX ENGINEERS LIMITED
25600.00	SNOWMEX ENGINEERS LIMITED
2400.00	SNOWMEX ENGINEERS LIMITED

5.00	Supplying, fixing, testing and commissioning of following valves, strainers, gauges in the chilled water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications. BALANCING VALVE with C I body flanged construction with EPDM coated disc long pitch with protected out pipe insulation for chilled / hot water circulation as specified.							
5.10	80 mm dia	1.00	Job	15302.00	10900.00	10900.00	14458.00	14458.00
5.20	65mm Dia.	2.00	Job	15302.00	8600.00	17200.00	12676.00	25352.00
6.00	Supply, Installation, Testing and Commissioning of following sizes electronic 2 way modulating control valve. The actuator shall be capable of accepting upto 10V DC and upto 20mA electric signal and shall provide similar transduced feedback output to control system. Maximum close off pressure shall not be less than 6 Bar for upto 50 mm valves and 7 Bar for 65 mm & above. Valves should have pressure rating of 25 Bar minimum.							
6.10	80 mm dia	1.00	Job	15302.00	33500.00	33500.00	132824.00	132824.00
6.20	65 mm dia	2.00	Job	15302.00	26200.00	52400.00	99618.00	199236.00
7.00	SITC of 65 mm (NB) Dial type Pressure Gauge as directed by EIC	6.00	Job	2576.00	850.00	5100.00	3652.00	21912.00
8.00	SITC of 65 mm (NB) Dial type Temperature Gauge as directed by EIC	6.00	Job	2576.00	850.00	5100.00	2989.00	17934.00
9.00	SITC of Automatic Air Vent with ball valve in brass connection complete with nipples, union etc. as required at all high points in the pipe lines, The valve shall be such as to have non-return valves as integral part of the valve.	12.00	Job	3560.00	850.00	10200.00	2989.00	35868.00
10.00	Ducting work Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.							
10.10	22 gauge	250.00	SqM	1817.00	1050.00	262500.00	1295.00	323750.00
10.20	24 gauge	500.00	SqM	1448.00	950.00	475000.00	1071.00	535500.00
11.00	Supplying and fixing of following thickness closed cell Nitrile rubber (Class 'O') insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with self-adhesive nitrile rubber tape insulation complete as per specifications and as required 25 mm thickness	600.00	SqM	1473.00	840.00	504000.00	498.00	298800.00
12.00	Acoustic Insulation Supply, installation, testing and commissioning of 10mm thick open cell Class O Nitrile Rubber acoustic insulation.	150.00	SqM	1677.00	550.00	82500.00	747.00	112050.00
13.00	Supply and fixing of Fresh / Exhaust air Aluminium extruded with bird screen, damper adjustable louvers as per specifications and drawings	2.00	SqM	12685.00	5200.00	10400.00	29885.00	59770.00
14.00	Supplying & fixing of powder coated extruded aluminium Supply Air Grills with aluminium volume control dampers as per specifications	10.00	SqM	22096.00	8600.00	86000.00	23244.00	232440.00
15.00	Supplying & fixing of powder coated extruded aluminium Return Air Grills with louvers but without volume control dampers complete as required.	20.00	SqM	18904.00	4850.00	97000.00	19924.00	398480.00
16.00	Supply, installation, testing and commissioning of louvers without VCD	3.00	SqM	18904.00	4200.00	12600.00	26565.00	79695.00
17.00	Supply, installation , testing and balancing of BMS compatible motorised fire damper	1.00	SqM	75345.00	11800.00	11800.00	99618.00	99618.00
18.00	Supply, installation, testing and commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc., as per specifications.	5.00	SqM	16737.00	4650.00	23250.00	29885.00	149425.00
19.00	SITC of UVGI system for AHUs comprising of all necessary accessories i.e. UV lamps , Aluminium Reflectors, Electronic Ballast, anodized Aluminium extruded stand for lamp housing, Control Panel, necessary cabling/wiring/MCBs/switches, timer and any other accessories to make the whole system fully operational as specified in the technical specification and as per site requirement as directed by the Engineer-in-charge, to be installed inside AHUs.	2.00	Job	35855.00	57500.00	115000.00	132824.00	265648.00
20.00	Electrical Work							
20.10	Supply, installation, testing and commissioning of 2 mm. CRGA sheeted powder coated Starter Panel for AHU, including SITC of suitable incomer switchgear, VFD, bypass starter complete with push button ON/OFF switch, indication lamp, voltmeter, ammeter and necessary protection devices etc. for operating above mentioned AHUs.							
20.11	18000 CFM	1.00	Job	73265.00	125000.00	125000.00	41507.00	41507.00

10900.00	SNOWMEX ENGINEERS LIMITED
17200.00	SNOWMEX ENGINEERS LIMITED

33500.00	SNOWMEX ENGINEERS LIMITED
52400.00	SNOWMEX ENGINEERS LIMITED
5100.00	SNOWMEX ENGINEERS LIMITED
5100.00	SNOWMEX ENGINEERS LIMITED
10200.00	SNOWMEX ENGINEERS LIMITED

262500.00	SNOWMEX ENGINEERS LIMITED
475000.00	SNOWMEX ENGINEERS LIMITED
298800.00	Powermech Services Private Limited
82500.00	SNOWMEX ENGINEERS LIMITED
10400.00	SNOWMEX ENGINEERS LIMITED
86000.00	SNOWMEX ENGINEERS LIMITED
97000.00	SNOWMEX ENGINEERS LIMITED
12600.00	SNOWMEX ENGINEERS LIMITED
11800.00	SNOWMEX ENGINEERS LIMITED
23250.00	SNOWMEX ENGINEERS LIMITED
115000.00	SNOWMEX ENGINEERS LIMITED

41507.00	Powermech Services Private Limited
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20.12	12000 CFM	1.00	Job	73265.00	112000.00	112000.00	38187.00	38187.00
20.13	3500 CFM	1.00	Job	73265.00	55200.00	55200.00	31546.00	31546.00
20.20	Supply, laying and termination of 3C x 1.5 Sqmm Copper Flexible cable as per IS 694.	150.00	Meter	229.00	135.00	20250.00	85.00	12750.00
20.30	Supply, installation, testing and commissioning of 4C x 10 Sqmm Aluminium Armoured cable for Incoming Power Supply for AHU Starter panel as per IS 7098.	300.00	Meter	317.00	172.00	51600.00	181.00	54300.00
20.40	Supply, installation, testing and commissioning of 3C x 10 Sqmm Aluminium Armoured cable for AHU power from Starter panel IS 7098.	120.00	Meter	300.00	169.00	20280.00	142.00	17040.00
20.50	Supply, installation, testing and commissioning of 8SWG GI Earthing Wire	600.00	Meter	49.00	25.00	15000.00	100.00	60000.00
20.60	Supply, installation, testing and commissioning of GI Perforated type Cable Tray of minimum size 150 mm x 50 mm x 1.6 mm.	100.00	Meter	869.00	590.00	59000.00	626.00	62600.00
20.70	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.							
20.71	3 C x 10 Sq.mm	8.00	Job	869.00	650.00	5200.00	698.00	5584.00
20.72	4 C x 10 Sq.mm	8.00	Job	869.00	650.00	5200.00	830.00	6640.00
21.00	Fabrication work Steel work in M.S. Tubular section /M.S. Square section /M.S. Plates i/c cutting to required length welding	500.00	KG	270.00	50.00	25000.00	158.00	79000.00
22.00	Dismantling of Duct as per site requirement by necessary Scaffolding and safety arrangement.(Measurement shall be done meters)	500.00	Meter	159.00	150.00	75000.00	830.00	415000.00
23.00	Supply and fixing of under deck insulation using Expanded Polystyrene EPS Thermocol) Sheet having density 8 kg/m3 to 32 Kg/m3 with minimum thickness of 25 mm.	100.00	SqM	722.00	250.00	25000.00	1494.00	149400.00
24.00	Supply, Installation, Testing and Commissioning of Inline Exhaust Fan for Toilet area of nominal capacity 500 CFM, Static 20 mmHg	2.00	Job	73653.00	12200.00	24400.00	19924.00	39848.00
25.00	Supply, installation, testing and commissioning of 8 ft Aircurtain made of stainless steel with minimum air speed of 21 m/s, including provision of supports for installation as per site conditions, interconnections etc complete as required.	4.00	Job	56863.00	27500.00	110000.00	99618.00	398472.00
26.00	Providing complete HVAC design for the reconfiguring area of the terminal building Dibrugarh Airport, including providing HVAC duct design for the new areas(approximate area 1750 sq.m), providing AHU design for the new areas(approximate area 1750 sq.m), providing pipe line design, providing IAir distribution system design for the new areas, providing exhaust design for the smoking room and toilets in the new area by providing 3 sets of shop drawings for approval. Basic AutoCad drawing of the building shall be provided by AAI. Design shall be done for the climatic conditions of Dibrugarh Airport and set indoor temperature shall be 23+/-1 degree celcius. The design shall be as per ASHARE standards.	1.00	Job	202000.00	55000.00	55000.00	332060.00	332060.00
27.00	Dismantling of Floor Mounted AHU of approximate size 8000 cfm with pipelines and accessories at First Floor including provision of blank plates at the end of incoming and outgoing chilled pipeline, provision of blank plates for closing the supply and return air ducts, dismantling the pipeline and duct associated with AHU with shifting of the dismantled materials from the installed location to dismantled store(300 meters)	1.00	Job	40400.00	22000.00	22000.00	73200.00	73200.00

38187.00	Powermech Services Private Limited
31546.00	Powermech Services Private Limited
12750.00	Powermech Services Private Limited
51600.00	SNOWMEX ENGINEERS LIMITED
17040.00	Powermech Services Private Limited
15000.00	SNOWMEX ENGINEERS LIMITED
59000.00	SNOWMEX ENGINEERS LIMITED

5200.00	SNOWMEX ENGINEERS LIMITED
5200.00	SNOWMEX ENGINEERS LIMITED
25000.00	SNOWMEX ENGINEERS LIMITED
75000.00	SNOWMEX ENGINEERS LIMITED
25000.00	SNOWMEX ENGINEERS LIMITED
24400.00	SNOWMEX ENGINEERS LIMITED
110000.00	SNOWMEX ENGINEERS LIMITED
55000.00	SNOWMEX ENGINEERS LIMITED
22000.00	SNOWMEX ENGINEERS LIMITED

Total in Figures

4498980.00

6936554.00

Lowest Amount Quoted BY: SNOWMEX ENGINEERS LIMITED(4498980.00)

BOQ Summary Details Tender Title: Reconfiguration of Existing and Under-Construction Terminal Buildings- Phase-II. SH- Provision of Air Conditioning Tender ID: 2025_AAI_228823_1
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Sheet Name	SI.No	Bidder Name	Amount	Bid Rank
BoQ1	1	SNOWMEX ENGINEERS LIMITED (BID ID -838203)	4498980.00	L1
	2	Powermech Services Private Limited (BID ID -836254)	6936554.00	L2