

Tender Inviting Authority: Indian Institute of Management, Udaipur

Name of Work: Supply, installation, testing and commissioning of Hydropneumatic Systems, Pumps, Valves and Flow Meters Works

Tender Ref no. IIMU/WS EQUIPMENT/2017-18/12/3

Bidder Name:

S.NO	Description Of Item	Unit	Qty	Rate in figures to be entered by the Bidder		Amount
1	<b>Transfer Pump System from Main Domestic Water Tanks to Elevated Sump Reservoirs / Under ground tanks</b>			<b>Figures</b>	<b>Words</b>	<b>INR</b>
1.1	<p>Supply, installation, testing &amp; commissioning of Hydro-pneumatic system with vertical inline Multistage booster centrifugal SS - 316L pump-motor sets, suitable for operation on 415 volts, 50 Hz, 3 phase AC supply, with 500 Ltrs pneumatic balancing tank, mounting skid, foot valves, G.I. suction &amp; discharge pipes, fittings, cast brass / virgin brass valves, C.I. Strainers at suction head, etc. Each pump shall have TEFC 1450 / 2900 RPM three phase electric motor. The scope includes pressure switches, VFD based control panel with starters, protections, relays, cables, interlocking with level &amp; pressure switches. Suction / Delivery Piping all connections, etc complete for domestic supply only. Panel to be compatible to MODBUS IP, with the adequate I/O.</p> <p>Common Pump set includes following 3 pumps for delivering water to three locations as per below mentioned details:</p> <p>A) Flow rate : 50 M<sup>3</sup> / Hr; Head : 105 Mts; Required for : Transferring water from Treated Water Tank to Elevated Sump Reservoir ESR 01 (at Hostel side of Academic Block)</p> <p>B) Flow rate : 50 M<sup>3</sup> / Hr; Head : 80 Mts; Required for : Transferring water from Treated Water Tank to Elevated Sump Reservoir ESR 02 (at Staff Housing Cluster)</p> <p><b>Approved Makes: Grundfos/ CRI</b></p>	Nos	1.00			-
2	<p><b>Water Treatment Plant at Centralized Pump Room</b></p> <p><b>Hydraulic Self cleaning Filter</b></p> <p>Supply, Installation, Testing and Commissioning of Self Cleansing Hydraulic Filter having powder coated S.S. / Carbon Steel / C. I. Body with the following details:</p> <p>Maximum flow (m<sup>3</sup>/h): 50; Inlet/Outlet diameter: 150mm (6"); Maximum/minimum working pressure: 10 Bar / 3 Bar; Fluid maximum temperature: 50° C; Filtration degrees: 50 microns; Maximum Inlet water TSS: up to 200 ppm</p> <p>ELECTRICAL DATA</p> <p>Rated operation voltage: 415 Volts AC 50 Hz three phase; Control voltage: 24V DC;</p> <p>The vendor should provide technical details related to Back-washing, Filters, and materials of construction</p> <p><b>Approved makes : Gopani / Ion Exchange / Ionex</b></p>	Nos	2.00			-

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1	<b>Transfer Pump System from Main Domestic Water Tanks to Elevated Sump Reservoirs / Under ground tanks</b>			Figures	Words	INR
3	<b>Electronic Flow Meters</b> Providing & fixing on line turbine type flow meter with preamplifier & microprocessor based electronic flow meter mounted in plumbing plant room electrical control panel with the following features. Monitoring the total flow, Flow rate, high low arm batching and blending etc. Including electrical wiring from preamplifier to microprocessor based flow meter. Complete with all type of Plumbing & Electrical connections, accessories, wiring, conduits & supports complete with all respect. The signal from read out shall be 4-20 m.amps to be received on BAS. Electronic Flow Meter – Media Clear Liquids; Pipe dia Size - as mentioned below; Display - 8 Digit for Flow Rate & 8 Digit for Flow Totalized – 16 x 2 Backlit Alphanumeric LCD; MOC: Body – SS 316; Flange: SS 316; Rotor: SS 410 (Teflon Coated) <b>Approved makes:- Omega / Honeywell / Sigma / Rockwin / Flowstar / Aquamet</b>	Nos	6.00			-
3a	100 mm dia	Nos	5.00			-
3b	80 MM dia	Nos	10.00			-
3c	65 mm dia	Nos	15.00			-
3d	50 mm dia	Nos	25.00			-
3e	40 mm dia	Nos	25.00			-
3f	32 mm dia	Nos	25.00			-
4	<b>Pressure Release Valves</b> Providing, installation, testing and commissioning of Pressure Release Valves of following sizes complete in all respect as per technical specification and as per direction of Engineer. Pressure Range: 0 to 10.0 kg/cm <sup>2</sup> ; Accuracy: 0.1 - 0.5%; MOC : Cast Iron for dia from 65mm to 100m MOC: Brass for dia less than 65mm dia <b>Approved makes: Varie / Lehry / Watts/ AIP Valves</b>					#VALUE!
4a	100 mm dia	Nos	7			-
4b	80 MM dia	Nos	10			-
4c	65 mm dia	Nos	55			-
4d	50 mm dia	Nos	65			-
4e	40 mm dia	Nos	65			-
4f	32 mm dia	Nos	10			-
4g	25 mm dia	Nos	55			-

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5	<b>Hydraulic Self cleaning Filter with UV Filter</b> Supply, Installation, Testing and Commissioning of Self Cleansing Hydraulic Filter with electrical actuation and disinfection treatment by means of ultraviolet lamps having S.S.316 LBody with the following details GENERAL DATA Maximum flow (m3/h): 15; Inlet/Outlet diameter: 80 mm (3"); Maximum/minimum working pressure: 10 Bar / 3 Bar; Fluid maximum temperature: 40° C; Filtration degrees: 25 microns; Maximum Inlet water TSS: up to 50 ppm ELECTRICAL DATA Rated operation voltage: 415 Volts AC 50 Hz three phase; Control voltage: 24V DC; <b>Approved Makes: Gopani / Ion Exchange / Ionex</b>	Nos	1.00			-