

## Notice for Quotation call

**Subject:- Regarding the quotation of following electrical items for housing project for PCNTDA**

PCNTDA has decided to under take the work of housing project and PCNTDA is preparing the estimate for the same. Interested manufacturers Contractors/suppliers are requested to submit sealed Quotation for following item on or before 3.00 PM. on 01/02/2018.

Sr.No	Description of Item	Unit	Qty.
1	Supplying installing, testing, commissioning of Electrical Control Panel for Fire Pumps Comprising of automatic switch unit isolators, pressure switches to set operating pressure, switches rated 500 Volt AC 50 Hz supply for continuous maximum load and Supply Company's regulations, contacts of suitable size, internal isolating baffles, terminal boxes for cables suitably screwed, standard 250 Volts, 15 Watt bayonet cap, indicator lamps for the respective pumps behind ruby domes suitably protected against damage, interlocking arrangements as per Fire Brigade stipulations, auxiliary switch/switches to provide warning by lighting of a lamp and hooters for audible alarm both at pump room and main fire console, tripping a circuit breaker connecting the electric supply to leave ample power for Fire Pump, if so required. Auxiliary switch to be rated at 5 Amps. 250 Volts AC complete with C.T connected ammeters, volt meters and selector are to be provided on the panels for each starter and incoming switch fuse unit including necessary power & control cabling from panel to respective pumps complete as specified. Note:- Contractor should submit necessary shop drawing for approval of electrical consultants before fabricating the panel.	Each	1
2	Supplying and installing double flange NRV of size 50 mm dia as per specification No. FF-VL/NRV	Each	1
3	Supplying & Installing cast iron double flange butterfly valve of size 65 mm dia. as per specification No. FF-VL/BFV	Each	1
4	Supplying & Installing cast iron double flange butterfly valve of size 50 mm dia. as per specification No. FF-VL/BFV	Each	1
5	Hooter Cum Manual Call Point: Communication Device which is having break glass arrangement to give alarm in case of emergency with Microphone and Speaker for Talk Back Facility on each landing in common lobby.	Each	1
6	Fire Alarm Panel: 8 Zone Talk Back Fire Alarm Panel	Each	1

	Microprocessor Based Conventional Type working on Single Phase 12 Volts.		
7	Supply of Siren complete with accessories	Each	1
8	Providing 2 x 1 sq. mm. PVC insulated Shielded armored PVC copper conductor cable with erection accessories such as spacers, junction boxes etc. from panel to detectors and hooters through wall, clamped to wall,. On trays. And termination of above cable with accessories.	Each	1
9	Installation Testing & Commission of Entire System	Each	1
10	<p>Plumbing Pumps</p> <p>Hydro Pneumatic Pumping System (HPS)</p> <p>Supply, Installation, Testing And Commissioning of OHT Tank filling System. Bore-well, submersible, multistage, vertical pumps. The pump shall be selected for performance at best efficiency point. However, the pump selection shall be suitable for performance with set point @ + 20% of the rated head. Complete up to the satisfaction of the Engineer-in-Charge</p> <p>Skid mounted with pressure sensor transmitter minimum two lined LCD display, diodes to indicate pump ready, pump running and fault and capable to communicate with other controllers following MODBUS-RTU or BACNET Class-2 protocol through RS485 port. System should be capable to compensate for frictional losses at lower flows. All alarms should be displayed in the controller. System should be equipped with dry running protection</p> <p>Complete electrical control panel comprising of all accessories such as PLCs, pressure transmitters, pressure transducers, dry-run protection, level sensors, control wiring and any other necessary imports etc. (list to be provided by the vendor)</p> <p>Pre-charged diaphragm pressure vessel with food grade membrane, charging connection, connected to outlet header with necessary flanges, gaskets, isolating valves, nuts/bolts etc complete.</p> <p>Set of accessories such as pressure transmitter, pressure transducers, inter connecting power and control cabling etc. complete</p> <p>Accessories like NRVs, isolating valves, SS-304 (non-Magnetic) suction and delivery header, pressure gauge, MS base frame (Synthetic enamel painted over a coat of primer)</p> <p>Vendor to submit performance curves and technical catalogue of the proposed model for review &amp; approval by electrical &amp; PHE consultants.</p> <p>For distributing Domestic water to Domestic Over Head Tank from Underground Tank (1)</p> <p>Pump = Horizontal / Vertical Multistage</p> <p>System Discharge ( Q ) =500 LPM</p> <p>Individual Pump Discharge = 170 LPM</p> <p>Approximate Head in m ( H ) = 50 m</p> <p>Pump Qty - 2 working + 1 standby</p> <p>Maximum starts &amp; Stops per Hrs. - 30 nos</p>	Each	1

Approx. System Electrical Requirement = 5.6 HP Approx. Individual Pump Electrical Requirement = 2.8 HP Diaphragm type pressure tank Capacity in lit : -100 ltr.		
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**Sd /xxx**  
**Executive Engineer (Elect)**

**Note:-**

- 1) Quotation is for estimate purpose only.
- 2) GST as applicable shall be mentioned separately.
- 3) Rate is inclusive of transportation cost.

No. DA/Elec/28

Date : 30/01/2018