

BOQ for Revamping of Fire Hydrant System at SBILD Varanasi (Hostel & Admin Block)

S.No	Item Description	Unit	Quantity	Rate per unit (Rs.)	Total Amount
1	SITC of Cast iron body Non-Return valves (NRV) dual plate with matching flanges, rubber insertion, nuts, bolts and washer etc. (IS:5312) of following sizes complete as reqd. (Make:Sant /Kartar/New Age/Audco)				
a	100 mm dia	Nos	2		
2	Supply, fixing, testing commissioning of butterfly valve PN 1.6, with Bronze/ Gunmetal seat duly ISI marked complete with Nuts, Bolts, washers, gaskets, conforming to IS 13095, of following sizes as required. (MAKE – NEW AGE/ SWATI /Lifeguard /other equivalent ISI Mark)				
a	100 mm dia	Nos	4		
b	80 mm dia	Nos	2		
3	Providing RRL Hose with ISI Marked (IS:636) 63 mm dia X15 M long complete with instantaneous type Stainless Steel 63 mm dia ISI Marked male & female couplings (IS: 903) bound & riveted to hose pipes with SS rivets and SS wire complete as required. (MAKE: NIRMAL RUBBER/ NEW AGE/Lifeguard/BRG or equivalent ISI Mark)	Nos	5		
4	Providing & Fixing of Stainless Steel 63 mm dia Short Branch Pipe 20 mm dia nozzle , ISI marked (IS: 903) complete as required.(MAKE– NEW AGE/Lifegaurd/ SWATI/ TULSI/ or other equivalent ISI Mark)	Nos	6		
5	Providing, fixing, testing and commissioning of Above Ground M.S. ERW Black C Class Heavy duty pipes as per IS: 1239 including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification (MAKE TATA/ JINDAL/ Nezone)				
a	100 mm dia	RMT	110		
b	80 mm dia	RMT	20		
6	Supply & fixing of Pressure switches for automatic operation of pumps, including necessary accessories. (Make Potter/Indfos or other equivalent ISI Mark)	Nos	2		
7	Supply & fixing of Ball Valve (25 mm), Stainless steel with necessary fittings (MAKE – NEW AGE/kartar/ Lifeguard or other equivalent ISI Mark)	Nos	6		
8	Supplying, fixing and placing plastic cylindrical vertical closed top three layers (PVC) tank at the terrace over the staging with manhole cover with locking and cleaning arrangement including arrangements of overflow (Flot valve e.t.c), water filling from existing arrangements available at branch and also providing CI Base Plate/ RCC BASE of suitable size as required to hold the weight of tank on the terrace, and others connection etc. if required. (Make: Sintex / Polycon or equivalent ISI mark.				
a	5000 ltr	Nos	3		
9	Providing and fixing gunmetal of single acting Air Release Valve with screwed inlet 25 mm dia. (Make: Zoloto/ Karter/ Kitz/ other equivalent ISI Mark)	Nos	2		
10	Repairing & servicing of Terrace pump 950 LPM suitable for 35 Mtr Head	Nos.	2		

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11	SITC of Starter Panel, Fabricated for capable of Operation of 950 LPM Terrace Pump or capable of start up to 10 HP pump and having provision for automatic starting by pressure switches, control mounting shall include necessary lamps indications, ammeters for motor full load circuit with CTs and selector switch, auto/manual selector switch voltmeter with selector switch controlling push button etc. The panel shall be duly painted with protective anticorrosive and shall be foot mounted/wall mounted type including all accessories. (Make- L&T/ ABB/ Siemens)	Nos.	2		
12	Repairing of Hose Boxes including glass with rubber bidding & painting PO red paint with necessary accessories	Nos	4		
13	Painting of existing M.S Pipe with PO Red Enamel Paint	RMT	50		
14	Digging of earth, Cutting, Welding & Blocking of M.S pipe with Dummy Plate	Nos.	1		
15	SITC of 2 core Copper Cable suitable for pressure switch (Fire Panel to Pressure switch) (Make- Polycab/ Finolex/ RR Kable/ KEI)	RMT	50		
16	Supply & fixing of 100mm dia bourden type, Stainless steel dial type pressure gauge (0 - 16 Kg) range, 3 / 8 " BSP bottom entry on Pump Delivery Line complete with Ball valve (Wikai/ Waree/ baumar /Guru)	Nos	2		
17	Providing, fixing, testing & Commissioning of Single headed Stainless Steel ISI Marker Oblique pattern Hydrant Landing valve with 80 mm dia, flanged inlet & 63 mm dia instantaneous type female outlet complete with cap and chain twist release lug and all accessories as per IS : 5290-1983 (Type 'A') and specifications complete as required. (MAKE – NEW AGE/SWATI/ Lifeguard or other ISI Mark)	Nos.	4		
18	SITC of Two way fire Brigade inlet with complete accessories	Nos.	2		
19	Providing & Fixing of weather proof hose cabinets fabricated from 16 S.W.G M.S Sheet with Centre opening full front glass door and locking arrangement suitable to accommodate 1nos 15M Long hoses and 1 no. Branch Pipe with nozzle. The cabinet shall be painted with one coat of primer and 2 or more coats of synthetic enamel paint of approved make & shade and shall be suitably mounted on a raised masonry platform complete as reqd.(Make - Self Fabricated) 750 X 600X 250 MM	Nos.	4		
Total					