

## Estimate for Revamping of Fire Hydrant System at LHO

S.No	Item Description	Unit	Quantity	Rate per unit (Rs.)	Total Amount
1	SITC of Cast iron body <b>Non-Return valves (NRV)</b> 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	150 mm dia	Nos	6		
2	Dismantling & Supply, fixing, testing commissioning of <b>butterfly valve</b> 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	150 mm dia	Nos	7		
b	100 mm dia	Nos	2		
c	80 mm dia	Nos	6		
3	Providing, fixing, testing and commissioning of Above Ground <b>M.S. ERW Black C Class Heavy duty pipes as per IS: 1239</b> 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	90		
b	80 mm dia	RMT	5		
4	Dismantling & SITC of <b>Fire Aid Hose Reel Drum</b> with 30mtrs ong rubber hose and GM shut off nozzle 25 mm dia Gate Valve, Union pipe complete set confirming to IS: 884 (MAKE – NEW AGE/ SWATI /Lifeguard / other equivalent ISI Mark)	Nos	3		
5	Providing, fixing, testing & Commissioning of Single headed Stainless Steel ISI Marker Oblique pattern <b>Hydrant Landing valve</b> 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	2		
6	Supply & fixing of 100mm dia bourden type, Stainless steel dial type <b>pressure gauge</b> (0 - 16 Kg ) range, 3 / 8 " BSP bottom entry on Pump Delivery Line complete with Ball valve (Wikai/ Waree/ baumar /Guru)	Nos	5		
7	Supply & fixing of <b>Ball Valve</b> (25 mm), Stainless steel with necessary fittings (MAKE – NEW AGE/kartar/ Lifeguard or other equivalent ISI Mark)	Nos	4		
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 <b>CI Base Plate/ RCC BASE</b> 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	4		
9	Supplying, fixing and placing of PVC pipe (2 inch) for the inlet or filling of the tarrace tank with necessary connection and accessories & fittings. (Supreme/ Astral/ Polycon or equivalent ISI mark.)	Mtr.	80		

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10	Painting of the vertical Riser main (up to 30 mtr height) with fire red color.(Including all the necessary arrangement for painting at height upt 30 mtr like rope / scaffolding etc.)	Mtr.	120		
11	Providing, fixing, testing & Commissioning of <b>Water Monitor</b> Stainless Steel Straight stream nozzel ( 80 mm inlet & 63 mm outlet) having 180 Deg vertical and 360 Deg Horizontal movement with <b>30 mtr range at 7 Kg/Sq. cm</b> with all accessories as per IS : 8442-2008 and specifications complete as required. (MAKE – NEW AGE/SWATI/ Lifeguard or other ISI Mark)	Nos	1		
<b>Total</b>					