

**STATE BANK OF INDIA
LOCAL HEAD OFFICE
GUWAHATI**

**BOQ FOR INSTALLATION OF FIRE HYDRANT SYSTEM
AT SBI, MOKOKCHUNG (1193) BRANCH**

Sl. No.	Item Description	Unit	Qty	Rate (Rs.) (Excl GST)	Amount (Rs.) (Excl GST)
1	SITC Electric motor driven horizontally mounted Terrace Buster fire pump with complete base frame and having C.I. body, capable for delivery of 450 LPM water at 24 Mtrs Head 3.5 kg/cm ² pressure, MAKE- KIRLOSKAR / LUBI/GRUNDFOS OR EQUIVALENT.				
a)	3.0 HP	Nos	1		
2	SITC of Starter Panel, fabricated for capable of operation of 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 controlling push button etc. The panel shall be duly painted with protective anticorrosive and shall be foot mounted/wall mounted type including all accessories.	Nos	1		
3	Supplying, laying, testing and commissioning of FRLS, PVC outer sheathe, aluminium/copper conductor, 1100 V grade power cables with glands etc. The minimum size of the cables shall be mentioned as below				
a)	3C x 16sq mm, copper PVC Shielded Cable (Fire Panel to Terrace PUMP)	Mtrs	60		

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	MAKE – POLYCAB/HAVELLS/NORDEN				
b)	3C x 1.5sq mm copper PVC Shielded Cable installation of Pressure switch. MAKE – POLYCAB/HAVELLS/NORDEN	Mtrs	60		
4	Supplying, Fixing and placing cylindrical vertical closed top three layers (PVC) of capacity 5000 Ltrs. Tank at the terrace over the staging with manhole cover with locking and cleaning arrangements of overflow, water filling from existing arrangements etc. and also providing CI Base Plate of suitable size as required to hold the weight of tank on the terrace, and other connection etc. if required. (Make: Sintax / Polycon/Supreme Industries or equivalent.				
a)	5000 Ltr.	Nos.	2		
5	Providing, erection testing & commissioning of Pressure Gauge 100 mm dia (0-10kg/cm ²) (Make: H.Guru / Feibing or equivalent ISI Mark).	Nos.	1		
6	Providing, erection testing & commissioning of Pressure switch (Make: MAKE :Danfoss/WIKA/HONEYWELL/Baumer or equivalent)	Nos.	1		
7	Providing, Fixing, Testing & Commissioning of MS Black Pipe (IS: 1239 Part –I) Medium class including cutting, screwing, welding, etc complete with all fittings (but welded) viz flanges, bends, tees, elbows, reducers etc including one coat red oxide primer and two coats fire red synthetic enamel paint complete as				

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	reqd. Make – TATA/ JINDAL/ NEZONE or equivalent				
a)	100 mm dia	Mtrs.	60		
b)	80 mm dia	Mtrs.	6		
c)	MS Angle	Mtrs.	6		
8	Supplying & fixing 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/ karter/ Audco/KSB or equivalent)				
a)	100 mm dia	Nos.	2		
9	Supplying & Fixing Cast iron body Butterfly Valves with matching flanges rubber insertion, nuts, bolts and washer etc. (IS: 13095) of following size complete as reqd. (Make: Sant/ karter/ Audco/KSB or equivalent)				
a)	100 mm dia	Nos.	2		
b)	80 mm dia	Nos.	4		
10	Providing Fixing, Testing, & Commissioning of G.M Stop / Ball Valve of 25mm dia ISI Marked screwed type tested to 30kg/cm2 pressure as per IS:778-1984 of following sizes complete as reqd. Zoloto/kartar/kitz/AUDCO or equivalent	Nos.	4		
11	Providing & Fixing gunmetal of single acting air release valve with screwed inlet 25mm dia. (Make: Zoloto/kartar/kitz/AUDCO or equivalent)	No	1		
12	Providing. Fixing, Testing, & Commissioning of single headed Gun Meta	Nos.	3		

Sl. No.	Item Description	Unit	Qty	Rate (Rs.) (Excl GST)	Amount (Rs.) (Excl GST)
	/ Stainless steel ISI Marker Oblique pattern hydrant landing valve with 80mm dia, flange inlet & 63mm dia instantaneous type female outlet complete with cape 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/ZOLOTO or equivalent)				
13	Supplying, Installation, Testing & Commissioning of Fire Aid Hose Reel drum with 30mtrs ong rubber hose and GM shut of nozzle 25mm dia Gate Valve, Union pipe complete set confirming to IS: 884(NEW AGE/ SAFEGUARD/SWATI/ LIFEGUARD or equivalent)	No.	2		
14	Providing RRL Hose with ISI Mark (IS:636) 63mm 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 IS Mark)	Nos.	6		
15	Providing & Fixing Gun Metal/ Stainless steel 63 mm dia short Branch Pipe 20 mm dia nozzle, ISI Marked (IS:903) complete as required . (MAKE- NEW AGE/ SWATI/ LIFEGUARD/TULSI or equivalent ISI Mark)	Nos.	3		
16	Providing & Fixing of weather proof hose cabinets fabricated form 16 S.W.G M.S Sheet with centre opening full front glass door and locking arrangement suitable to accommodate 2 nos 15m long hoses and 1	Nos.	3		

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	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 FEBRICATED) 750X450X300MM)				
17	Providing & Fixing of Gun Metal / Stainless 02-way Fire brigade connection consisting of 63mm instantaneous type male coupling with built in check valves and 100mm dia flanged outlet complete with bolts, nuts and rubber insertions as per IS:904-1983 complete as required. (MAKE_NEWAGE/ SWATI/ Lifeguard or equivalent ISI Mark)	Nos.	1		
18	Providing & Fixing of M.S. Flange, 100 mm dia	Nos.	10		
19	Providing & Fixing of M.S. Flange, 80 mm dia	Nos.	8		
20	Construction of suitable canopy of MS Sheet of 16 SWG to provide shed to the pump.	Nos	1		
21	Arrangements for water filling from existing arrangements etc. including CPVC Items	Nos	1		
22	M.S. Fitting like Nipple, Tank Nipple, MS Angle, R-Socket, Bend, Tees, Primer, Fust Nut, Nut-Bolt Paint Hole Tide, Gaskets, Welding Road etc.	Nos	1		
23	Design, engineering, supply, fabrication, transportation, erection, testing & commissioning of MS structural steel staging (approx. 12 ft height) for 10,000 L water storage tank, designed to withstand minimum load of 12 MT with adequate	Job	1		

Sl. No.	Item Description	Unit	Qty	Rate (Rs.) (Excl GST)	Amount (Rs.) (Excl GST)
	<p>factor of safety against overturning, wind load and vibration, using suitable heavy structural sections (minimum ISMC/ISMB 150 or equivalent), including columns, beams, full height cross (X-type) bracings on all sides, base plates, grouted anchor bolts, ladder, platform with minimum 6 mm thick chequered plate and MS handrails, including RCC isolated foundations of size approx. 1.2 m × 1.2 m and depth 1.5–1.8 m below ground level, RCC pedestal above ground, welding, surface preparation, one coat zinc-rich primer and two coats synthetic enamel paint, complete in all respects.</p> <p>Makes: Structural Steel: SAIL / Tata Steel / JSW Steel or equivalent Paint: Asian Paints / Berger Paints / Nerolac or equivalent Complete in all respects</p>				
24	Installation & Commissioning Charge	Job	1		
Total Amount (in Rs.) (Excluding GST)					

GST ON THE WORK CONTRACT WILL BE EXTRA AS APPLICABLE