

**ASSAM PROJECT
ON
FOREST AND BIO-DIVERSITY CONSERVATION
CONSTRUCTION OF NEW RESIDENTIAL COMPLEX
AT REHABARI, GUWAHATI - 781 008.**

BILL OF QUANTITIES FOR FIRE-FIGHTING WORKS

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
1	HYDRANT SYSTEM Providing,Fixing, testing &Commissioning of Single Headed Gun Metal ISI Marked 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:5290-19833 (Type 'A') and specifications complete as reequired (MAKE:ESSEL/WINCO/NEWAGE/GET ECH/MINIMAX)	Each	36			
2	Providing RRL Hose with ISI Marked (IS:636) 63 mm dia X15 M long complete with instantaneous type Gun Metal 3 mm dia ISI Marked male & female couplings (IS:903) bound & riveted to hose pipes with copper rivets and copper wire complete as reqd.(MAKE: NIRMAL RUBBER/NEWAGE/GETECH/MINIMAX)	Each	72			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
3	<p>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 one landing valve (Yard Hydrant), 2nos.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)</p> <p>a) 900X600X450</p>	Each	36			
4	<p>Providing & Fixing of Gun Metal 63 mm dia Short Branch Pipe with 20 mm dia nozzle, ISI marked (IS:903) complete as required. (Make: ESSEL/WINCO/NEWAGE /GETECH/MINIMAX).</p>	Each	36			
5	<p>Providing & Fixing of Gun Metal fire Brigade Connection (inlet collection head) consisting of 63mm instantaneous type male coupling with built in check valves and 150 mm dia flanged outlet complete with bolts, nuts and rubber insertions as per IS:904-1983 complete as reqd. MAKE: ESSEL/WINCO/NEWAGE/GETECH/KARTAR/MINIMAX</p> <p>a) 02 way</p>	Each	2			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
6	Providing & fixing of Gun Metal fire Brigade connection (withdrawl connecting head) consisting of 63mm instantaneous type male coupling with built in check valves and 150mm dia flanged outlet complete with bolts, nuts and rubber insertions as per IS:904-1983 complete as reqd. MAKE: ESSEL/WINCO/NEWAGE/GETECH/MINIMAX a) 2 way	Each	1			
7	Providing & Fixing of Weather Proof M.S. Cabinet (to enclose above Inlet Collection Head Connection) fabricated from 16 S.W.G. M.S. sheet centre opening with 3 mm thick full front glass door and locking arrangement duly painted with one coat of primer and two or more coasts of synthetic enamel paint of appreoved make and shade and suitably mounted. Exact size and shape shall be subject to site conditions and prior approval. (Make:Self Fabricated)	Each	1			

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8	Providing & fixing of Gun Metal fire Brigade suction hose coupling (draw out connection) with nut for female coupling as per IS:902-1974 complete with 150 mm dia GI suction pipe and foot valve (to be connected to static Tank) complete as reqd.(Make: Self Fabricated)	Each	1			
9	Providing & fixing of Weather Proof M.S. cabinet (to enclose above draw out connection) fabricated from 16SWG M.S. sheet centre opening with 3mm thick full front glass door and locking arrangement duly painted with one coat of primer and two or more coats of synthetic enamel paint of approved make and shade and suitable mounted . Exact size and shape shall be subject to site conditions and prior approval) (Make: Self Fabricated)	Each	1			
	Providing ,Fixing ,Testing & Commissioning of air Release Valve a) 25 mm dia	Each	5			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
10	Providing, Fixing, Testing & Commissioning of Mild Steel Black Pipe (IS:1239 part-I) Medium class including cutting, screwing, welding etc. and providing all fittings viz forged steel screwed fitting upto 50mm dia and bolt welded above 50mm dia flanges, bends, tees, reducers, elbow, clamps, hangers etc including cutting holes and chases in brick or RCC walls/ slabs and making good the same to the approval of Engineer-in-charge/ consultant complete including painting with one coat of primer and two or more coats of synthetic enamel paint of approved make and shade including steel work complete as required. (Make: TATA/JINDAL/NEZONE)					
	a) 200 mm dia	R.M.	6.00			
	b) 150 mm dia	R.M.	54.00			
	c) 100 mm dia	R.M.	114.00			
	d) 80 mm dia	R.M.	12.00			

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11	Providing, Fixing, Testing & Commissioning of Mild Steel Black Pipe (IS:1239 part-I) MEDIUM class including cutting, screwing, welding etc. complete with all fittings (butt welded) viz flanges, bends, tees, elbows, reducers etc including excavation (upto 1.5 m Deep), back filling and removal of surplus soil & providing anti corrosive treatment (coating and wrapping) as per IS:10221 with 4 mm thick tape complete as reqd (Road Crossing area). And rest of the Pipe will be above ground for easy maintenance. (MAKE: TATA/JINDAL/NEZONE)					
	a) 150 mm dia	R.M.	550.00			
	b) 100 mm dia	R.M.	12.00			
	c) 80 mm dia	R.M.	18.00			
	e) 65 mm dia	R.M.	12.00			

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				(In Figures)	(In Words)	
	f) 50 mm dia	R.M.	12.00			
	g) 40 mm dia	R.M.	12.00			
	h) 32 mm dia	R.M.	12.00			
	i) 25 mm dia	R.M.	308.00			
12	Supplying, Installation, Testing & Commissioning of 15 mm dia quartzoid Bulb Type G.M. Sprinkler Head suitable to operate at 68* C complete as reqd.(UL/FM/LPC listed/ISI Approved) (Make : HD Fire / TYCO/GETECH)	Each	320			
13	Supplying & Fixing Cast iron body Non Return valves complete with matching flanges, rubber insertion, nuts, bolts and washer etc. (IS:5312) of following sizes complete as reqd. (Make:Koley/Kalpana/Audco/GETECH) (a) 150 mm dia	Each	4			

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	(b) 100 mm dia	Each	4			
	(c) 80 mm dia	Each	1			
14	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:KOLEY/KALPANA/AUDCO/GET ECH) (a) 200 mm dia	Each	1			
	(b) 150 mm dia	Each	3			

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				(In Figures)	(In Words)	
15	Providing ,Fixing,Testing & Commissioning of G.M. Stop Valve ISI Marked screwed type tested to 30Kg/cm2 pressure as per IS:778-1984 of following sizes complete as reqd. a) 25 mm dia	Each	21			
16	Providing, Erection, Testing & Commissioning of Cast Iron Sluice Valve/ Gate Valve confirming to IS:14846/2000 complete with matching flanges, rubber insertion, nuts, bolts and washer etc of following size complete as required (MAKE:KOLEY/KALPANA/AUDCO/GET ECH/KARTAR) (a) 150 mm dia	Each	12			
	(b) 100 mm dia	Each	8			
	(c) 80 mm dia	Each	2			
17	Providing, erection testing, Commissioning of Cast Iron Foot Valve/Stainer confirming to IS:4038/1538 complete with flanges, nuts, bolts and washer etc as required (b) 150 mm dia	Each	1			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
18	Supplying, Installation, Testing & Commissioning of First Aid Hose reel drawn with 30 Mtrs. Long rubber hose and G.M shut off nozzle, 25mm dia Gate valve, Union pipe complete set confirming to IS: 884. MAKE: ESSEL/WINCO/NEWAGE/GETECH/MINIMAX	Each	21			
19	FIRE EXTINGUISHER Supply, Installation, Fixing of CARBON DIOXIDE Fire Extinguisher confirming to IS: 2878 with ISI Mark.(4.5 LITERS) BRAND: FIRESTOP / FIREND / GETECH/MINIMAX	Each	42			

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				(In Figures)	(In Words)	
20	Supply, Installation, Fixing of ABC Stored Pressure Fire Extinguisher with built – In pressure Gauge to know the Ready ness of the Extinguisher Squeeze Grip Handle As per IS:13849 with ISI mark (05 kg capacity) BRAND : FIRESTOP / FIREEND / GETECH/MINIMAX	Each	42			
21	Supplying and laying of following size NP2 class RCC Hume pipe i/c collars jointed with stiff mixture of cement mortar 1:2 (1 cement:2 fine sand) across the road including cutting the road (if reqd) digging the trench, refilling the same after laying pipe, ramming the soil etc as reqd. (a) 300 mm dia	Each	16.00			
						=Rs.

Signature of the Contractor :

Date & Seal :