

NAME OF WORK: PROVIDING FIRE HYDRANT SYSTEM AND SPRINKLER SYSTEM IN THE RENOVATION OF EXISTING S WARD IN PMR BLOCK FIRST FLOOR AT CMC TOWN CAMPUS.

TENDER SCHEDULE						
Sl.No	Quantity		Description of the Work	Rate	Unit	Amount
			Sprinkler system			
1			Supply, laying, testing and commissioning of 'C' class M.S pipe - heavy IS1239 of following dia with necessary fittings, specials welded joints and flanged joints near valves and other important places including necessary support(as given in the technical specification) and painting with one coat of zinc chromate primer and 2 or more coats synthetic enamel paint to make good finish etc complete.			
a			25 mm dia			
i	110.00	Rmt	Supply		1 RM	
ii	110.00	Rmt	Laying, testing, commissioning		1 RM	
b			32 mm dia			
i	30.00	Rmt	Supply		1 RM	
ii	30.00	Rmt	Laying, testing, commissioning		1 RM	
c			40 mm dia			
i	15.00	Rmt	Supply		1 RM	
ii	15.00	Rmt	Laying, testing, commissioning		1 RM	
d			50 mm dia			
i	8.00	Rmt	Supply		1 RM	
ii	8.00	Rmt	Laying, testing, commissioning		1 RM	
e			65 mm dia			
i	12.00	Rmt	Supply		1 RM	
ii	12.00	Rmt	Laying, testing, commissioning		1 RM	
f			80 mm dia			
i	20.00	Rmt	Supply		1 RM	
ii	20.00	Rmt	Laying, testing, commissioning		1 RM	
g			100 mm dia			
i	35.00	Rmt	Supply		1 RM	
ii	35.00	Rmt	Laying, testing, commissioning		1 RM	
h			150 mm dia			
i	125.00	Rmt	Supply		1 RM	
ii	125.00	Rmt	Laying, testing, commissioning		1 RM	

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TENDER SCHEDULE						
Sl.No	Quantity		Description of the Work	Rate	Unit	Amount
2	1.00	No	Supply, installing and positioning of the 150mm dia SS butterfly valves gear type (Zoloto/Advance make) confirming to PN16 Standards with necessary fittings and specials etc complete		1 No	
3	1.00	No	Supply, installing and positioning of the 150 mm dia Non return valves (ball type) (Normex make) with necessary fittings and specials etc complete		1 No	
4			Supply, installing and positioning of the following dia SS butterfly valve (Zoloto/Advance make) confirming to PN 16 standards with necessary fittings and specials etc complete			
a	1.00	Nos	100 mm dia		1 No	
5	1.00	No	Supply and installation of 25mm ball valve with necessary accessories etc complete for drain		1 No	
6	1.00	No	Supply, installing and positioning of 25mm dia Spring loaded type Automatic Air Release Valve with ball valve including necessary fitting and specials etc., complete.		1 No	
7	1.00	No	Supply and installation of pressure gauge with ball valve including necessary fitting etc complete in riser		1 No	
8	15.00	Nos	Supplying, installing, testing and commissioning sprinkler heads 15mm nominal bore quatoizd bulb type sprinkler rated for a temperature of 68 deg centigrade conventional PENDENT type etc., complete.		1 No	
9	36.00	Nos	Supplying, installing, testing and commissioning sprinkler heads 15mm nominal bore quatoizd bulb type sprinkler rated for a temperature of 68 deg centigrade conventional Side wall sprinkler etc., complete		1 No	
II			Hydrant system			

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Sl.No	Quantity		Description of the Work	Rate	Unit	Amount
10			Supply, laying, testing and commissioning of 'C' class M.S pipe - heavy IS1239 of following dia with necessary fittings, specials welded joints and flanged joints near valves and other important places including necessary support(as given in the technical specification) and painting with one coat of zinc chromate primer and 2 or more coats synthetic enamel paint to make good finish etc complete			
a			25 mm dia			
i	8.00	Rmt	Supply		1 RM	
ii	8.00	Rmt	Laying, testing, commissioning		1 RM	
b			80 mm dia			
i	90.00	Rmt	Supply		1 RM	
ii	90.00	Rmt	Laying, testing, commissioning		1 RM	
c			100 mm dia			
i	15.00	Rmt	Supply		1 RM	
ii	15.00	Rmt	Laying, testing, commissioning		1 RM	
d			150 mm dia			
i	110.00	Rmt	Supply		1 RM	
ii	110.00	Rmt	Laying, testing, commissioning		1 RM	
11	1.00	No	Supply, installing and positioning of the 150mm dia SS butterfly valves gear type (Zoloto/Advance make) confirming to PN16 Standards with necessary fittings and specials etc complete		1 No	
12			Supply, installing and positioning of the following dia SS butterfly valve (Zoloto/Advance make) confirming to PN 16 standards with necessary fittings and specials etc complete			
a	1.00	No	100 mm dia		1 No	
b	1.00	No	80 mm dia		1 No	
13	1.00	No	Supply & installing and positioning of 150 mm dia CI non return valves (ball type - Normex make) including necessary fittings & specials etc., complete.		1 No	

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Sl.No	Quantity		Description of the Work	Rate	Unit	Amount
14	1.00	No	Supply, installing and positioning of 25mm dia Spring loaded type Automatic Air Release Valve with ball valve including necessary fitting and specials etc., complete.		1 No	
15	1.00	No	Supply and installation of pressure gauge with ball valve including necessary fitting etc complete in riser		1 No	
16	2.00	Sets	Supply, installing testing & commissioning of 2 length of 15m long, 63 mm dia RRL hose (type B synthetic hose) - with coupling (female & male) (SS Coupling to be wound with copper wire and end wire to be soldered with coupling) and hoses shall be rolled to suit MS structural support fixed inside the M.S Hose box with 63mm dia stainless steel branch pipe with nozzle etc., complete(MS hose box measured and paid separately)		1 Set	
17	2.00	Nos	Supply, installing, testing and commissioning of Fire hose box fabricated out of MS sheet of 16 guage with door, shall be 750mm x 600mm x 250mm fixed with 4mm thick glass, suitable rubber beading and locking arrangement including one coat of zinc chromate primer and 2 coats of approved 1st quality fire red synthetic enamel paint etc., complete		1 No	
18	2.00	Nos	supply, installing, testing & commissioning of single headed 63mm dia stainless steel hydrant valves with necessary specials etc complete for land hydrant		1 No	
19	2.00	sets	Supply, installing testing & commissioning of Hose reel drum of swinging type with 19mm dia rubber/pvc double braided hose of 36.0m long with 25mm dia Ball valve and chromium plated brass shutt off nozzle etc., complete		1 No	
20	0.40	M ³	Labour charges for demolition of plain cement concrete from the existing cast-in situ floor without affecting the adjacent structure if necessary incl. clearing the debris away from site		1 M ³	

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TENDER SCHEDULE						
Sl.No	Quantity		Description of the Work	Rate	Unit	Amount
21	5.60	M ³	Earth work excavation for foundation and trenches in all kind of soil upto a required depth including refilling the sides of foundation / basement with selected excavated earth, watering, ramming and consolidation etc. complete.		1 M ³	
22	0.48	M ³	Supplying and filling of quarry dust for foundatin in layers of thick including watering, ramming and consolidation etc complete		1 M ³	
23	0.40	M ³	Plain cement concrete 1:4:8 using 40mm size HBG machine broken jelly, coarse river sand including mixing in mixer machine, laying, consolidation and curing etc complete		1 M ³	
24	11.00	M ²	Supplying, fixing and removing of centering and shuttering to correct line and levels fully leak proof to avoid leakage of cement slurry including strutting etc. complete for all PCC works.		1 M ²	
25	112.00	Kgs	Supplying , fabricating, placing and tying in position of steel reinforcement including cost of 18 gauge MS binding wire etc complete for all RCC works		1 Kg	
26	11.00	Kgs	Supply of Base plate, foundation bolts, MS piece support for the over head pipes		1 Kg	
27	2.00	M ³	Reinforced cement concrete M20 of nominal volumetric mix of 1:2:4 using 20mm down graded HBG machine broken jelly free from flakes and fine aggregate of coarse well graded river sand free of silt and other impurities incl. mixing in mixer machine, laying, consolidation using vibrator, cost of all materials, curing etc complete		1 M ³	
28	1.00	load	Transporting the debris/excavated earth by lorry including loading and unloading charges etc., complete.(capacity-5.50M3 per load)		1 load	

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Sl.No	Quantity		Description of the Work	Rate	Unit	Amount
29	15.00	Nos	Bore Packing around the pipes in Brick walls /AAC blocks and Concrete members applying bonding agent of SBR Latex or approved equivalent around the internal partition of surface, Quick setting component of Rendroc plug/approved equivalent packed externally and the gaps around the pipe tightly packed with GP2 Chemical. Provide the backer rods if the gap around the pipe have more than 25mm including cost of all materials, labour charges, neat finishing, curing, etc., complete. Note : Water to be stagnated around the bore packing to a period of 48 hours and water leakage has to be ensured and clearance has to be obtained from Engineer in charge (Upto 110mm Dia pipe)		1 No	
30			Supply and fixing of following dia PVC pipe (sleeve Pipe Length 300mm approx)including breaking wall and making holes finishing (touch work) and cost of all material etc complete			
a	1.00	No	110mm dia 4Kgs/CM2(incl. specials)		1No	
b	1.00	No	160mm dia 4Kgs/CM2(incl. specials)		1No	
c	1.00	No	200mm dia 4Kgs/CM2(incl. specials)		1No	
31	2.00	Nos	Drilling with core cutting machine in RCC beams, slabs etc. for laying pipe and rendering the same in RCC incl. finishing etc,complete (100mm dia)		1 No	
32	2.00	Nos	Drilling with core cutting machine in RCC beams, slabs etc. for laying pipe and rendering the same in RCC incl. finishing etc,complete (125mm dia)		1 No	
33	2.00	Nos	Drilling with core cutting machine in RCC beams, slabs etc. for laying pipe and rendering the same in RCC incl. finishing etc,complete (200mm dia)		1 No	
			Sub Total			
			SGST 9%			
			CGST 9%			
			Total			