

Company Name: MODI GV Ventures LLP

Project: Vivopolis

Work Description: Estimation for material and labour for fire Fighting fabrication works as per Madison drawing

Contractor :

Prepared By : V Ramesh Reddy

Date: 20.12.2024

S No	Item	Item Description	Units	A Quantity as per Madison drawing	B Material Rate	C=(A*B) Amount	D Total Amount	Installation rate in percentage (E)	Installation Amount (F=D*E)
A	Down Comers, Wet Risers, Fire pump room and Terrace Ring main								
1		150 dia 'C' Class MS Pipe for yard hydrant in ground floor	Rmt	180	1736	3,12,480			
2		150 dia 'C' Class MS Pipe from pump room to wet raisers	Rmt	60	1736	1,04,160			
3		150 dia 'C' Class MS Pipe for wet raisers in FS	Rmt	80	1736	1,38,880			
4		150 dia 'C' Class MS Pipe for Terrace ring main	Rmt	60	1736	1,04,160			
5		100 dia 'C' Class MS Pipe for booster pump suction line	Rmt	10	1160	11,600			
6		50 dia 'C' Class MS Pipe for sprinkler drain in FS upto fire sumps	Rmt	100	495	49,520			
7		150 dia 'C' Class MS Pipe from fire tank to suction header line	Rmt	25	1736	43,400			
8		250 dia Suction header line in fire pump room	Rmt	11	3112	34,232			
9		250dia discharge header line in fire pump room	Rmt	10	3112	31,120			
10		150 dia 'C' Class MS Pipe suction and discharge line for DG and electrical pumps	Rmt	10	1736	17,360			
11		100 dia 'C' Class MS Pipe suction and discharge line for jockey pumps	Rmt	6	1160	6,960			
12		150 dia MS Dummy	Nos	8	600	4,800			
13		50 dia MS Dummy	Nos	4	225	900			
14		100 dia MS flange for SL and DL of booster pump and jockey pump	Nos	20	600	12,000			
15		150 dia MS flange	Nos	42	160	6,720			
16		50 dia MS flange	Nos	24	120	2,880			
17		Bends/ Elbow	Nos	37	660	24,420			
18		Painting Red Oxide & PO Red enamel Paint	sft	2,548	30	76,436			
19		16mm x 100 mm GI Nut & bolts with bouble washer	Kgs	50	100	5,000			
20		19mm x 100 mm GI Nut & bolts with bouble washer	Kgs	60	100	6,000			
		Total					9,93,028	40.00%	3,97,211
B	Sprinkler lines								
1		100 dia Pipe	Rmt	50	1,160	58,000			
2		80 dia MS Pipe	Rmt	120	792	95,040			
3		65 dia MS Pipe	Rmt	110	634	69,784			
4		50 dia MS Pipe	Rmt	120	495	59,424			
5		40 dia MS Pipe	Rmt	65	350	22,724			
6		32 dia MS Pipe	Rmt	115	303	34,868			
7		25 dia MS Pipe	Rmt	510	234	1,19,544			
8		80 dia flanges	Nos	12	500	6,000			
9		100 dia flanges	Nos	12	600	7,200			
10		Painting Red Oxide & PO Red enamel Paint	sft	2000	30	60,000			
11		GI Nut & bouble washer (8mm)	Kgs	25	70	1,750			
12		Threaded rods 8mm of 2000m length	Nos	250	80	20,000			
13		sprinkler hangers 32mm, 40mm, 50mm, 65mm, 80mm, 100mm	Nos	360	60	21,600			
14		MS Socket, 15mm	Nos	107	30	3,210			
15		MS Socket, 25mm	Nos	315	50	15,750			

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16	MS Reducers 32x25	Nos	120	50	6,000			
17	MS Reducers 40x32	Nos	60	50	3,000			
18	25mm dia Flexible sprinkler hose 1m length	Nos	222	630	1,39,860			
19	Pendent/Upright Sprinklers/Wall mounted sprinklers	Nos	422	350	1,47,700			
	Total					8,91,454		
							50.00%	4,45,727
C	Mechanical Accessories							
1	Y Strainer 100 dia	Nos	3	7,500	22,500			
2	Y Strainer 150 dia	Nos	3	12,000	36,000			
3	150 dia BF Valve/OS Y valve	Nos	12	7,850	94,200			
4	100 dia BF Valve	Nos	5	4,350	21,750			
5	150 dia NRV	Nos	4	7,850	31,400			
6	100 dia NRV	Nos	2	6,000	12,000			
7	50 dia BF Valve	Nos	7	3,250	22,750			
8	Pressure switches	Nos	6	1,250	7,500			
9	Pressure gauges-Glycerine	Nos	6	1,500	9,000			
10	Ball valves 25mm	Nos	18	1,000	18,000			
11	Air release valve	Nos	5	625	3,125			
12	Gong alarm valves 50 dia	Nos	2	35,000	70,000			
13	Rubber bellows 150 dia	Nos	6	3,000	18,000			
	Total					3,66,225	20%	73,245
D	Fire Pumps and Panels							
	Installation, Testing & Commissioning							
1	Booster pump	Nos	1	50,000	50,000			
2	Main Electrical pump	Nos	2	2,50,000	5,00,000			
3	Jockey pump	Nos	2	55,000	1,10,000			
4	Standby Diesel Engine pump	Nos	1	4,85,000	4,85,000			
	Total					11,45,000	8%	91,600
E	Structural Supports							
1	ISM 75	Kgs	1,040	70	72,800			
2	L angle 50x50x6	Kgs	500	70	35,000			
3	Gazette plates (200x200x8)	Kgs	100	90	9,000			
			1,640			1,16,800	50	82,000
G	End fittings							
F	Single Hydrant Valves	Nos	21	5,133	1,07,793			-
2	Hose Reel Drum with branch pipe	Nos	12	5,900	70,800			-
3	Hose boxes (Double door)	Nos	9	3,540	31,860			-
4	Hose pipes 15m L	Nos	18	4,720	84,960			-
5	SS branch pipe	Nos	9	1,380	12,420			
6	4 way fire brigade	Nos	1	6,500	6,500			
						3,14,333	8%	25,147
	Total					38,26,840		11,14,930
	GST 18%					6,88,831		2,00,687
	Total					45,15,671		13,15,617

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