

GVDC FireFabwork Estimate Sheet



Company Name:	GVDC							
Project:	Genopolis							
Work Description:	Fire Fighting fabrication works							
Contractor :								
Prepared By	V Ramesh Reddy							
Checked By	Md Anwar							
Date:	23.06.2023							
S No	Item Head	Description	Units	Quantity	Material Rate	Amount	Installation rate in percentage	Installation Amount
				A	B	C=(A*B)	D	E=(C*D)
MS Fabrication works								
1	Down Comers, Wet Risers and Terrace Ring main							
	a	150 dia MS Pipe	Rmt	320	1,917	6,13,440		
	b	100 dia MS Pipe	Rmt	-	-	-		
	c	80 dia MS Pipe	Rmt	62	898	55,676		
	d	50 dia MS Pipe	Rmt	50	572	28,600		
	e	25 dia MS Pipe	Rmt	-	270	-		
	f	Ball Valve-25 mm	Nos	3	625	1,875		
	h	150 dia MS Dummy	Nos	6	600	3,600		
	i	100 dia MS Dummy	Nos	-	425	-		
	j	80 dia MS Dummy	Nos	-	350	-		
	k	50 dia MS Dummy	Nos	2	225	450		
	l	Socket 25mm	Nos	23	30	690		
	m	150 dia MS flange	Nos	6	600	3,600		
	n	80 dia MS flange	Nos	20	160	3,200		
	o	50 dia MS flange	Nos	40	120	4,800		
	p	Reducer	Nos	-	300	-		
	q	Bends/ Elbow	Nos	12	660	7,920		
	r	Air Release Valve	Nos	6	625	3,750		
	s	Painting Red Oxide & Red Paint	Rmt	415	30	12,450		
	Total					7,40,051	35.00%	2,59,018
2	Fire Fighting - Yard Hydrant Line:							
	a	250 dia MS Pipe	Rmt	-	4,620	-		
	b	200 dia MS Pipe	Rmt	-	3,700	-		
	c	150 dia MS Pipe	Rmt	380	1,917	7,28,460		
	d	80 dia MS Pipe	Rmt	30	898	26,940		
	e	65 dia Pipe	RMT	-	713	-		
	f	50 dia MS Pipe	Rmt	-	572	-		
	g	40 dia Pipe	RMT	-	393	-		
	h	25 dia MS Pipe	Rmt	-	270	-		
	i	150 dia GI Pipe	Rmt	-	2,320	-		
	k	150 dia MS Dummy	Nos	2	600	1,200		
	l	100 dia MS Dummy	Nos	-	425	-		
	m	150 dia MS flange	Nos	6	390	2,340		
	n	80 dia MS flange	Nos	10	160	1,600		
	o	Reducer	Nos	3	300	900		
	p	Bends/ Elbow	Nos	6	660	3,960		
	q	Air Release Valve	Nos	12	625	7,500		
	r	Painting Red Oxide & Red Paint	Rmt	72	30	2,160		
	s	MS Socket,	Nos	3	30	90		
	t	Cold stick primier	Rmt	85	50	4,250		
	u	4mm wrapping material	Rmt	85	400	34,000		
	Total					8,13,400	35%	2,84,690
3	Sprinkler lines with sprinklers:							
	a	Pendent/Upright Sprinklers	Nos	1200.00		24,00,000	850 per unit	
	Total					24,00,000		10,20,000
4	Mechanical Accessories							
	a	Y Strainer/Foot Valve 150 dia	Nos	3.00	13150.00	39450.00		
	b	Y Strainer/Foot Valve 100 dia	Nos	1.00	7500.00	7500.00		
	c	250 dia OS&Y type valve	Nos	0.00	45000.00	0.00		
	d	200 dia OS&Y type valve	Nos	3.00	32500.00	97500.00		
	e	150 dia Gear Type Butterfly valve	Nos	5.00	8800.00	44000.00		
	f	100 dia Gear Type Butterfly valve	Nos	2.00	5500.00	11000.00		
	g	200 dia NRV / BFValve	Nos	2.00	12350.00	24700.00		
	h	150 dia NRV / BFValve	Nos	12.00	7850.00	94200.00		
	i	100 dia NRV / BFValve	Nos	2.00	4350.00	8700.00		
	j	80 dia NRV / BFValve	Nos	1.00	3250.00	3250.00		
	k	25 mm ball valve	Nos	8.00	625.00	5000.00		
	l	50 mm ball valve	Nos	4.00	1750.00	7000.00		
	m	Pressure switches	Nos	5.00	1250.00	6250.00		
	n	Pressure guages-Glycerine	Nos	5.00	1500.00	7500.00		
	o	Gong Bell Assy Valves	Nos	2.00	35000.00	70000.00		
	Total					426050.00	15%	63,908
5	Fire Pumps and Panels							
	Installation, Testing & Commissioning of							
	a	Booster pump	Nos	1.00	50000.00	50000.00		
	b	Main Electrical pump	Nos	2.00	350000.00	700000.00		
	c	Jockey pump	Nos	2.00	95000.00	190000.00		
	d	Standby Diesel Engine pump	Nos	1.00	685000.00	685000.00		
	e	Price of FM Diesel engine pump	Nos	0.00	0.00	0.00		
	Total					1625000.00	12%	1,95,000

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6	Structural Supports	Kgs	1500.00	80.00	120000.00	40 per kg	60,000
7	End fittings						
	a Single Hydrant Valves	Nos	28.00	5133.00	143724.00	400.00	11,200.00
	b Hose Reel Drum with branch pipe	Nos	16.00	5900.00	94400.00	800.00	12,800.00
	c Shutters for fire shaft	Nos	6.00	7080.00	42480.00	1500.00	9,000.00
	d Hose boxes (Double door)	Nos	20.00	3540.00	70800.00	500.00	10,000.00
	e Hose pipes 15m L	Nos	56.00	4720.00	264320.00	100.00	5,600.00
	f Four way fire brigade	No	1.00	6490.00	6490.00	1200.00	1,200.00
	g Two way tank inlet	No	1.00	3540.00	3540.00	800.00	800.00
	Total						50,600.00
	Total						19,33,215
	GST 18%						3,47,979
	Total						22,81,194


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