

Company Name: Dr NRK Biotech Pvt Ltd

Project: Nextopolis

Work Description: Estimation for material and labour for fire Fighting fabrication works of fire pump room and booster pump

Contractor :

Prepared By : V Ramesh Reddy

Date: 16.09.2025

S No	Item	Item Description	Units	A Quantity as per Madison drawing	B Material Rate	C=(A*B) Amount	D Total Amount	Installatio n rate in percentag e (E)	Installation Amount (F=D*E)
A	Fire pump room								
1		STEL9318-Steel-MS Round Pipe-C Class-150Dx6000Lmm-Kgs	Kgs	538	70	37660			
2		STEL8930-Steel-MS Round Pipe-C Class-200Dx6000Lmm-Kgs	Kgs	372	70	26,040			
3		STEL3182-Steel-MS Round Pipe-C Class-50Dx6000Lmm-Kgs	Kgs	37	70	2,600			
4		STEL4613-Steel-MS Round Pipe-C Class-250DX6000Lmm-Kgs	Kgs	470	70	32,900			
5		STEL8290-Steel-MS Round Pipe-C Class-80Dx6000Lmm-Kgs	Kgs	60	70	4,200			
6		STEL5068-Steel-MS Dummy Flange-Table E-250DX8Tmm with 12Holes-Nos.	Nos	2	600	1,199			
7		STEL3424-Steel-MS Flange-Table E-250DX16Tmm with 12Holes-Nos.	Nos	2	1951	3,902			
8		STEL4609-Steel-MS Dummy Flange-Table E-200DX15Tmm with 8Holes-Nos.	Nos	2	2340	4,680			
9		STEL8639-Steel-MS Flange-Table E-200DmmX8Holes-Nos.	Nos	14	664	9,289			
10		STEL2596-Steel-MS Flange-Table E-150DX16Tmm with 8Holes-Nos.	Nos	35	915	32,032			
11		STEL1478-Steel-MS Flange-Table E-80DX10Tmm with 4Holes-Nos.	Nos	2	333	666			
12		STEL3676-Steel-MS Flange-Table E-50DX10Tmm with 4Holes-Nos.	Nos	14	166	2,330			
13		FIRE8108-Fire & Safety-MS Flange-Table E-100DX10Tmm with 8Holes-Nos.	Nos	3	541	1,622			
14		FIRE1207-Fire & Safety-MS Flange--100mm PCD 190mm-Nos.	Nos	4	562	2,248			
15		FIRE8697-Fire & Safety-MS Flange-Table E-80DX12Tmm with 4Holes-Nos.	Nos	2	1,092	2,184			
16		FIRE2906-Fire & Safety-MS Flange-Table E-65DX10Tmm with 4holes-Nos.	Nos	1	291	291			
17		STEL5210-Steel-MS Flange---Nos.40D with 110 PCD	Nos	4	224	898			
18		HARD2087-Hardware-MS Bolt+Nut+Double washer--15.8X150mm-Kgs	Kgs	20	126	2,520			
19		HARD8123-Hardware-MS Bolt+Nut+Double washer--16X75mm-Kgs	Kgs	20	128	2,560			
20		HARD5677-Hardware-MS Bolt+Nut+Double washer--19.1X150mm-Kgs	Kgs	40	133	5,320			
21		Hardware-MS Bolt+Nut+Double washer--19.1X75mm-Kgs	Kgs	30	135	4,050			
22		FIRE2378-Fire & Safety-MS Reducer--200x100mm-Nos.(eccentric)	Nos	3	1,534	4,602			
23		STEL3618-Steel-MS Reducer-C Class--100Dx80Dmm-Nos(150x80 mm)	Nos	2	817	1,635			
24		STEL2975-Steel-MS Reducer-C Class--100Dx65Dmm-Nos (150x65mm)	Nos	1	192	192			
25		PAIN8548-Paints-Red Oxide Primer-- Asian-1Ltr-Can	lts	20	220	4,400			
26		PAIN5030-Paints-Enamel-Post Office Red--4Ltrs-Can	lts	10	1,020	10,200			
27		PAIN3425-Paints-Thinner--1Ltr-Nos.	lts	50	159	7,930			
28		TOOL7927-Tools-paint brush --75mm-Nos.	no	10	51	508			
29		STEL1389-Steel-MS 90 Bend-C Class-150Dmm-nos	Nos	6	806	4,836			
30		HARD4066-Hardware-Wedge Anchor bolt--12X100Lmm-Nos.	Nos	50	21	1,050			
31		HARD6681-Hardware-GI Nut--8mm-Kgs	Kgs	1	112	112			
32		HARD9103-Hardware-GI Washer-Form C-M8-100-gms	gms	10	11	110			
33		STEL8266-Steel-MS Nipple-C Class-Both end threaded-300Lx25Dmm-Nos	Nos	20	100	2000			

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			Total					2,16,766	35%	75,868
B	Mechanical Accessories									
1	HVAC9452-HVAC-Y Strainer--150Dmm-Nos.	Nos	2	14500	29000					
2	FIRE6075-Fire & Safety-Y Strainer--100mm-Nos.	Nos	1	10,920	10,920					
3	FIRE6757-Fire & Safety-Butterfly valve-Gear type-150mm-Nos.	Nos	8	9,490	75,920					
4	FIRE8261-Fire & Safety-Butterfly valve-Gear type-100mm-Nos.	Nos	1	6,300	6,300					
5	PLUM9959-Plumbing-Non return valve--150Dmm-Nos.	Nos	4	5,763	23,052					
6	PLUM9400-Plumbing-Non return valve--50mm-Nos.	Nos	2	2,912	5,824					
7	FIRE9710-Fire & Safety-Butterfly valve--50mm-Nos.	Nos	5	1,846	9,230					
8	FIRE1160-Fire & Safety-Butterfly valve-Gear Type-200mm-Nos.	Nos	3	20,280	60,840					
9	FIRE6830-Fire & Safety-Rubber Bellow--200mm-Nos.	Nos	3	8,840	26,520					
10	HVAC2361-HVAC-Rubber Bellow--150mm-Nos.	Nos	3	8,109	24,327					
11	FIRE6238-Fire & Safety-Pressure Switch---Nos.	Nos	6	835	5,010					
12	FIRE6575-Fire & Safety-Pressure Guage-Glycerin filled-0 to 6Kgs-12mm-Nos.	Nos	10	2,095	20,950					
13	FIRE3382-Fire & Safety-Forged Brass Ball valve--25mm-Nos.	Nos	22	1,150	25,295					
14	HVAC9052-HVAC-Air Release Valve--25mm-Nos.	Nos	5	1,632	8,160					
15	Forged Brass valve -15mm - Nos	Nos	8	950	7,600					
			Total					3,38,948	15%	50,842
C	Fire Pumps and Panels									
	Installation,Testing & Commissioning									
1	FIRE3899-Fire & Safety-Fire pumps-Booster-450lpm at 35M head-Nos.	Nos	1	49,150	49,150					
2	FIRE7831-Fire & Safety-Fire pumps-Electric--Nos.	Nos	2	1,74,285	3,48,570					
3	FIRE3388-Fire & Safety-Fire pumps-Jockey--Nos.	Nos	2	62,185	1,24,370					
4	FIRE4749-Fire & Safety-Fire pumps-Diesel--Nos.	Nos	1	4,44,285	4,44,285					
			Total					9,66,375	8%	77,310
D	Structural Supports									
1	STEL5337-Steel-MS ISMC--75X40X6000Lmm-Kgs	Kgs	400	63	25,168					
2	STEL6449-Steel-MS L Angle-6000Lmm-50x5Tmm-Kgs	Kgs	100	61	6,084					
3	STEL9791-Steel-MS Gazette plate--200X200X8mm-Kgs	Kgs	80	92	7,322					
			580					38,574	50	29,000
E	End fittings									
1	Single Hydrant Valves	Nos	31	5,133	1,59,123					-
2	FIRE5726-Fire & Safety-Hose Reel Drum--30mtrs-Nos.	Nos	16	5,900	94,400					-
3	FIRE1291-Fire & Safety-Hose Box-Double Door--Nos.	Nos	15	3,900	58,500					-
4	FIRE9208-Fire & Safety- Hose pipe-63mm - 15m with SS coupling-pair-Nos.	Nos	62	6,500	4,03,000					-
5	FIRE7441-Fire & Safety-SS Branch pipe--63Dmm-Nos.	Nos	31	1,863	57,753					
6	FIRE3271-Fire & Safety-Fire Brigade Inlet-4 way-150MM-Nos.	Nos	1	7,679	7,679					
								7,80,455	8%	62,436
	Total							23,41,117		2,95,457
	GST 18%							4,21,401		53,182
	Total							27,62,518		3,48,639


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