

List of Fire hydrant equipment details in IISER, Thiruvananthapuram					
Sl No	Location	Item	Make	Capacity	Qty
	Academic area				
1	Water Treat ment plant	Main pump	Kirloskar	100 HP	1
		Jockey pump	Kirloskar	25HP	1
		Diesel engine driven stand by pump	Kirloskar	100 HP	1
		Pump panel		630A	1
2	Physical Science Block	Fire pump	Kirloskar	900 LPM/12.5 HP	2
		Fire pump panel		63 A	1
		Internal hydrant points			19
		Upright springler			46
		Pendant springler			60
3	Chemical Science Block	Fire pump	Kirloskar	900 LPM/12.5 HP	1
		Fire pump panel		Incomer 40 A	1
		Internal hydrant points			12
4	Biological Science Block	Fire pump	Kirloskar	900 LPM/12.5 HP	2
		Fire pump panel		Incomer 100 A	1
				Incomer 63 A	2
		Internal hydrant points			23
		Upright springler			109
5	CIF	Pendant springler			117
		Fire pump	Kirloskar	900 LPM/12.5 HP	1
		Fire pump panel		Incomer 63 A	1
		Internal hydrant points			5
		Upright springler			100
6	Lecture hall block	Pendant springler			100
		Fire pump	Kirloskar	900LPM/15HP	2
		Fire pump panel		Incomer 63 A	1
7	VFR	Internal hydrant points			7
		Fire pump	Kirloskar	15 HP	2
		Fire pump panel		Incomer 63 A	1
8	Health Centre	Internal hydrant points			16
		Fire pump		450lpm, 10 HP	2
		Fire pump panel		Incomer 63 A	1
				Incomer 63 A	2
9	Shopping Centre	Internal hydrant points			4
		Fire pump	Kirloskar	450lpm, 12.5 HP	1
		Fire pump panel		Incomer 63 A	1
		Internal hydrant points			6
10	Administrative block	springlers			208
		External yard hydrant points			6
		Internal hydrant points			19
		Fire pump panel		Incomer 400 A	1
		Jockey pump electric	Kirloskar	180lpm, 7.5 HP	1
		Disle engine driven Fire pu	Kirloskar	2280lpm, 72 HP	1
		Main electric Fire pump	Kirloskar	2280lpm, 60 HP	1
	Hostel Area				
10	Ponmudi	springlers			1933
		Internal hydrant points			8
		Fire pump panel		Incomer 63 A	1
		Fire pump spare		450 LPM/7.5 HP	1
		Fire pump	Kirloskar	450 LPM/12.5 HP	1
11	Agasthya	Internal hydrant points			8
		Fire pump panel		Incomer 63 A	1
		Fire pump spare		450 LPM/7.5 HP	1
		Fire pump	Kirloskar	450 LPM/7.5 HP	1
12	Pushpagiri	Internal hydrant points			8
		Fire pump panel		Incomer 63 A	1
		Fire pump	Kirloskar	450 LPM/7.5 HP	1
13	Mukurthy	Fire pump panel		Incomer 63 A	1
		Fire pump	Kirloskar	450 LPM/7.5 HP	1

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Sl No	Location	Item	Make	Capacity	Qty
		Internal hydrant points			7
14	Sispara	Fire pump	Kirloskar	450 LPM/7.5 HP	1
		Fire pump panel		Incomer 63 A	1
		Internal hydrant points			11
		springlers			111
15	Eravimala	Fire pump	Kirloskar	450 LPM/7.5 HP	1
		Fire pump panel			1
		Internal hydrant points			10
		springlers			89
16	Indoor Stadium	Fire pump	Kirloskar	450 LPM/12.5 HP	1
		Fire pump panel			1
		Internal hydrant points			7
		springlers			68
	Anamudi Hostel area				
17	Pump room	Electric driven main fire pump	Kirloskar	2850lpm, 100HP	1
		Diesel Engine driven fire pump	Kirloskar	2850lpm, 100HP	1
		Jockey pump	Kirloskar	180lpm,15HP	1
		Electrical panel		630Amps	1
18	A block	Internal hydrant points			14
19	B block	Internal hydrant points			14
20	C block	Internal hydrant points			10
21	D block	Internal hydrant points			33
22	E block	Internal hydrant points			18
	Residential Area				
23	Pump room	Electric driven main fire pump	Kirloskar	2280 LPM, 75HP	1
		Diesel Engine driven fire pump	Kirloskar	2280 LPM, 100HP	1
		Jockey pump	Kirloskar	180 LPM, 7.5HP	1
24	Residence B1	Fire pump	Kirloskar	450 LPM/7.5 HP	1
		Fire pump panel	L & T	Incomer 63 A	1
		Internal hydrant points			5
		springlers			
25	C1	Internal hydrant points			7
26	C2	Internal hydrant points			7
27	C3	Internal hydrant points			7
28	D1	Internal hydrant points			7
29	D2	Internal hydrant points			7
	Total pump summary				
	100HP Main Electrictic pump				2
	100HP Diesel pump				3
	75HP Main Electrictic pump				1
	25HP Electric jockey pump				1
	15HP Electric pump				5
	12.5HP Electric pump				9
	10HP Electric pump				2
	7.5HP Electric pump				9
	*Internal hydrant ppoint includes fire hydrant valve, hose box, RRL hose (2 nos), Branch pipe, hose reel drum set				
	The above details of equipments/components provided is not exhaustive. The contractor have to ensure the maintenance of the system in placed				

List of Fire Extinguishers available in IISER TVM Campus												
Sl No	Location	Powder Type					CO2			Water Type (9 Ltr)	Form Type	10KG Modular type
		ABC				BC						
		4 Kg	6 Kg	5 Kg	50 Kg	5/6 Kg	2 Kg	4.5 Kg	22.5 Kg			
1	Anamudi A block	3	1							20		
2	Anamudi B block	5	2	1						27		
3	Anamudi C block	22								29		
4	Anamudi D block	65								65		
5	Anamudi E block	43								43		
6	Mukurthy		4					1		6		
7	Eravimala		6							4		
8	Ponmudi	2								10		
9	Agasthya	8								3		
10	Pushpagiri		4							5		
11	Sispara		3							5		
12	CIF	11	1				2	9				
13	BSB	10	9		1	7			1	1		5
14	CSB	38	23		1	2	2		1			
15	PSB	19	13		1				v	20		6
16	Solvent store	4				13	2					
17	Animal House		6					1				
18	Lecture Hall Block	17								6		
19	VFR	18								19		
20	Shopping Centre	8							1	8		
21	Residence B1		8							8		
22	2nd Gate	1	5									
23	Indoor Stadium		6					2		6		
24	CDH 1	5										
25	CDH 2	2										
26	MRSS	9					2	11				
27	SS1			1							3	
28	SS2											
29	SS3											
30	SS4								1			
31	USS					5						
32	Residence C1	7								7		
33	Residence C2	7								7		
34	Residence C3	7								7		
35	Residence D1	7								7		
36	Residence D2	7								7		
37	Admin block	71						30				
	Total	415	110	2	3	35	10	80	4	320	15	11