

6. Bill of Quantity (Technical Requirements)

BASIC/ GENERAL REQUIREMENTS:

- The bids will be evaluated on the basis of lowest items rate keeping in view our required configuration and also fulfill mandatory criteria only.

Technical Requirements

Item #	Material Description	Unit	QTY	Rate	Amount
1	Addressable fire alarm panel with batteries UL and FM Approved	Each	1	275,605	275,605
For Data center 24 x 10.5 x 14					
2	Photo Electric smoke detectors with Base, UL and FM Approved	Each	12	10,221	122,652
3	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
4	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
5	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
6	Supervise control module UL and FM Approved	Each	1	28,080	28,080
7	Mini Monitor Module (EM-1MM) UL and FM Approved	Each	3	10,038	30,114

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8	Relay Module UL and FM Approved	Each	1	13,689	13,689
9	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160
10	Piping network, & paint for Fire Suppression system, MS Sch 40.	Job	1	42,120	42,120
11	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060
For UPS & Electrical Room					
12	Photo Electric smoke detectors with Base, UL and FM Approved	Each	4	10,221	40,884
13	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
14	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
15	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
16	Supervise control module UL and FM Approved	Each	1	28,086	28,086
17	Mini Monitor Module (EM-1MM) UL and FM Approved	Each	2	10,038	20,076
18	Relay Module UL and FM Approved	Each	1	13,689	13,689
19	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160

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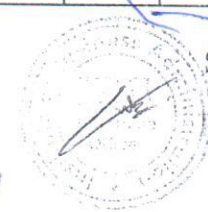
20	Piping network, & paint for Fire Suppression system, MS Sch 40. As per flow calculation. (which will be submitted by Vendor)	Job	1	42,120	42,120
21	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060
For UPS Room					
22	Photo Electric smoke detectors with Base, UL and FM Approved	Each	4	10,221	40,884
23	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
24	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
25	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
26	Supervise control module UL and FM Approved	Each	1	28,086	28,080
27	Mini Monitor Module (EM-1MM) UL and FM Approved	Each	2	10,038	20,076
28	Relay Module UL and FM Approved	Each	1	13,689	13,689
29	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160
30	Piping network, & paint for Fire Suppression system, MS Sch 40. As per flow calculation. (which will be submitted by Vendor)	Job	1	42,120	42,120
31	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060

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For Testing & Staging Room					
32	Photo Electric smoke detectors with Base, UL and FM Approved	Each	4	10,221	40,884
33	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
34	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
35	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
36	Supervise control module UL and FM Approved	Each	1	28,080	28,080
37	Mini Monitor Module (EM-1MM) UL and FM Approved	Each	1	10,038	10,038
38	Relay Module UL and FM Approved	Each	1	13,689	13,689
39	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160
40	Piping network, & paint for Fire Suppression system, MS Sch 40. As per flow calculation. (which will be submitted by Vendor)	Job	1	42,120	42,120
41	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060
For MDA Room					
42	Photo Electric smoke detectors with Base UL and FM Approved	Each	4	10,221	40,884

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43	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
44	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
45	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
46	Supervise control module UL and FM Approved	Each	1	28,080	28,080
47	Relay Module UL and FM Approved	Each	1	13,689	13,689
48	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160
49	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060
For Receiving area					
50	Photo Electric smoke detectors with Base UL and FM Approved	Each	2	10,221	20,442
51	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
52	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
53	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
54	Supervise control module UL and FM Approved	Each	1	28,080	28,080

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55	Relay Module	Each	1	13,689	13,689
56	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160
57	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060
For Electrical Room					
58	Photo Electric smoke detectors with Base UL and FM Approved	Each	2	10,221	40,884
59	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
60	Sounder with flasher UL and FM Approved	Each	1	15,514	15,514
61	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
62	Supervise control module UL and FM Approved	Each	1	28,080	28,080
63	Mini Monitor Module (EM-1MM) UL and FM Approved	Each	1	10,038	10,038
64	Relay Module UL and FM Approved	Each	1	13,689	13,689
65	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Job	1	56,160	56,160
66	Testing & Commissioning of Fire alarm system	Job	1	21,060	21,060
For DOC Storage Facility					
67	Photo Electric smoke detectors with Base UL and FM Approved	Each	2	10,221	40,884

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68	Manual Pull Station for Fire Suppression release UL and FM Approved	Each	1	16,791	16,791
69	Sounder with flasher USA Product, UL Listed FM Approved	Each	1	15,514	15,514
70	Fire Alarm Bell UL and FM Approved	Each	1	8,213	8,213
71	Supervise control module UL and FM Approved	Each	1	28,080	28,080
72	Relay Module UL and FM Approved	Each	1	13,689	13,689
73	Electrical wiring 1.5mm 2C & Piping, back boxes etc.	Each	1	56,160	56,160
74	Testing & Commissioning of Fire alarm system	Each	1	21,060	21,060
Grand Total with G.S.T					2,157,997



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