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| **FIRE ALARM SYSTEM FOR FY-2021-22** |  |
| **Sr.** | **Description**  | **Unit Rate** | **Description / Specification**  |
| 1 | FIRE ALARM CONTROL PANEL; 05 LOOP intelligent addressable; modular; extendable up to 32 loops & 4096 elements maximum; 32 node support; 127 or 254 elements / loop via lsn-300 / lsn-1500; multi color TFT LCD display, 11 status LEDs; multiple configuration levels; day / night modes; remotely programmable; networkable; GUI support; FREE OF COST PROGRAMMING SOFTWARE; VDS; DIBT; VKF; CE; CPD, PFB; BOSEC; CNBOP, DANAK; TZUS; TMT; MOE; PSB approved & certified;  |  |  |
| 2 | INTELLIGENT ADDRESSABLE OPTICAL SMOKE SENSOR; auto addressable; built in isolator; sensitivity programmable; CPR; VDS; CE certified; -20 °C to +65 °C; IP 40; 360° visible led indicator; mounting base MS-400B with removal local included; CE; VDS; CPR approved/certified;  |  |  |
| 3 | INTELLIGENT ADDRESSABLE MULTI DETECTOR; combination of optical smoke + thermal sensor 54°C; auto addressable; built in isolator; sensitivity programmable; CPR; VDS; CE certified; -20 °C to + 50 °C; IP 40; 360° visible LED indicator; mounting base MS-400B with removal lock included;  |  |  |
| 4 | INTELLIGENT ADDRSSABALE HEAT DETECTOR; 54°C; built in isolator; auto & manual addressable; rotary switch; CPR; VDS; CE certified; -20 °C to +50 °C; IP 40; 360° visible LED indicator; mounting base MS-400B with removal lock included; CE; VDS; CPR approved/certified;  |  |  |
| 5 | ADDRESSABLE MANUAL CALL POINT; re-settable type; indoor; surface mount; red; single action / direct trigger; 15 ~ 33 VDC; 0.4 mA; ; -20 °C to +70 °C;LED Indicator; IP 54; VDS; CE; CPD; MOE certified; re-set key included;  |  |  |
| 6 | SADDRESSABLE SOUNDER; indoor; red; loop powered; 32 select able tones; 101.3 db @ 1 meter; 15 ~ 33 VDC; 4.05 mA (alarm), IP-42; EN54-3 & EN54-17 compliant; VDS; CE; CPD; CNBOP; TMT; MOE certified; -25 °C to +70 °C;  |  |  |
| 7 | interfacing module / dry contact; 1 x relay out; loop powered; din rail mount; VDS, CE, CPD, MOE approved;  |  |  |
| 8 | WIRING OF FIRE ALARM SYSTEM WITH FIRE RATED CABLE; 1.5² mm 2x solid core; red; plain annealed copper; tinned annealed copper CPC (earth); aluminum foil screening; low smoke halogen free thermoplastic outer sheath; 30 minutes @ 830°C under fire conditions; 12.1Ω / 1-kM; -40°C ~ +90°C; LPCB approved; BS-5839-1: 2002; BS/EN 50200: 2006; BS/EN 50267-2-1: 1999; BS/EN 6103-2: 2005; make: UK, IMPORTED; in PVC pipe 1"ø with fixing accessories like saddles, bends, sockets, JBS etc; make: beta / adam jee; measurement in meters |  |  |
| 9 | Fire Adapter 1 ½” (Brass) |  |  |
| 10 | Fire Nozzle 1 ½” (Brass) |  |  |
| 11 | Fire House pipe 1 ½” (Nylon rubber) |  |  |
| 12 | House Cabinet 3’ x 3’ x9”  |  |  |
| 13 | Fire Extinguisher 6 Kg dry chemical powder  |  |  |
| 14 | Smash glass type manual call station general alarm triggering device |  |  |
|  | Fire Alarm Control Loop Panel EN 54 Expandable 2 Loop ( BOSCH/ MENVAIR/ KIDDI/ inim / ZITON or approved equal/ compatible) Complete in all respect  |  |  |
| 14 | Addressable Smoke Detector with base plate (BOSCH/ MENV AIR/ KIDDI/ inim/ ZITON or approved equal/ compatible) Complete in all respect  |  |  |
| 15 | Heat Detector with base plate (BOSCH/ MENV AIR/ KIDDI/ inim/ZITON or approved equal/ compatible) Complete in all respect  |  |  |
| 16 | Wall Mounted Sounder (BOSCH/ MENV AIR/ KIDDI/ inim/ZITON or approved equal/ compatible) Complete in all respect  |  |  |
| 17 | Manual call pint (BOSCH/ MENV AIR/ KIDDI/ inim/ZITON or approved equal/ compatible) Complete in all respect  |  |  |
| 18  | Wiring for fire alarm system with 2 core 1.5mmsq in concealed 1” PVC conduit fire resistant cable with LSZH outer sheet of complete in all respect |  |  |
| 19 | One time testing & commissioning  |  |  |
| 20 | Training charges |  |  |

**NOTE:**

1. Quotation will be not considered if the firm not mentions Specifications/ manufacture / Model of item/ brad name.
2. Without sample no item will be selected if lowest as well, on selection date.