### Tender Specification

#### Special Application Detectors

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| 01     | IH226    | ![Flame Detector](image1) | **fladet series..** UV-IR Flame Detector with Air Purging Provision Flickering LED, 24v DC, 4 Wire System with IHMB01XY base LPCB APPROVED & CE MARKED | 1. FIRE PUMP HOUSE  
2. DIESEL GENERATOR ROOM  
3. DIESEL DAY TANK  
4. SEMI OPEN/ BASEMENT CAR PARK  
5. HIGH ROOF AREAS  
6. HIGH SPEED CUTTING MACHINERIES | LPCB APPROVED UV-IR FLAME DETECTOR, 4 WIRE DETECTOR WITH IP66 PROTECTION, AND MOUNTING BRACKETS. THE FLAME DETECTORS SHOULD HAVE RELAY OUTPUT TO INTERCONNECT WITH ADDRESSABLE FAS / PLC / ANNUNCIATOR. |
| 02     | IH8227   | ![Flame Detector](image2) | **fladet series..** Triple Sensor Flame Detector with Ex. Proof Enclosure. Flickering LED, 24v DC, 4 Wire System with IHMB08XY base | 1. FLAMABLE / HAZARDOUS MATERIAL STORAGE / TRANSFER ROOMS  
2. CNG COMPRESSORS  
3. PAINT BOOTH  
4. PAINT MIX ROOMS | TRIPLE SENSOR FLAME DETECTOR, 4 WIRE DETECTOR WITH EXPLOSION PROOF ENCLOSURE AND MOUNTING BRACKETS. THE FLAME DETECTORS SHOULD HAVE RELAY OUTPUT TO INTERCONNECT WITH ADDRESSABLE FAS / PLC / ANNUNCIATOR. |
| 03     | IH153ES  | ![Flame Detector](image3) | **fladet series..** Infra Red Ember Detector with Sensitivity Selection and Air Purging Provision Flickering LED, 24v DC, 4 Wire System with IHMB01XY base | 1. COAL CONVEYOR  
2. MATERIAL CONVEYORS | Infra Red EMBER DETECTOR, 4 WIRE DETECTOR WITH IP67 PROTECTION, SENSITIVITY SELECTION AND MOUNTING BRACKETS. THE EMBER DETECTORS SHOULD HAVE RELAY OUTPUT TO INTERCONNECT WITH ADDRESSABLE FAS / PLC / ANNUNCIATOR. EMBER DETECTOR SHOULD BE CE APPROVED AND TESTED IN ETDC/ GOVT. OF INDIA LABORATORY |
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| 04    | IH225R           |        | fladet series.. Triple Sensor Flame Detector with Sensitivity Selection and  | 1. FIRE PUMP HOUSE  
|       | (NON EX.PROOF)   |        | Air Purging Provision Flickering LED, 24v DC, 4 Wire System with IHMB01XY base | 2. DIESEL GENERATOR ROOM  
|       |                  |        |                                                                             | 3. DIESEL DAY TANK  
|       |                  |        |                                                                             | 4. SEMI OPEN/BASEMENT CAR PARK  
|       |                  |        |                                                                             | 5. HIGH ROOF AREAS  
|       |                  |        |                                                                             | 6. HIGH SPEED CUTTING MACHINERIES                  | TRIPLE SENSOR FLAME DETECTOR, 4 WIRE DETECTOR WITH IP66 PROTECTION, SENSITIVITY SELECTION AND MOUNTING BRACKETS. THE FLAME DETECTORS SHOULD HAVE RELAY OUTPUT TO INTERCONNECT WITH ADDRESSABLE FAS / PLC / ANNUNICIATOR. |
| 05    | IH042E-AX        |        | fladet series.. Probe Type Heat Detector with ATEX Approved Junction Box.    | 1. MACHINERY PROTECTION  
|       | (60 TO 400 DEG C)|        |                                                                             | 2. DIESEL GENERATOR ROOM  
|       | (EX.PROOF Probe Type Heat Detectors) |        |                                                                             | 3. DIESEL DAY TANK  
|       |                  |        |                                                                             | 4. PAINT BOOTH / PAINT MIX  
|       |                  |        |                                                                             | 5. TRANSFORMER                  | PROBE TYPE HEAT DETECTOR, WITH ATEX APPROVED JUNCTION BOX WITH ALL REQUIRED GLANDS. |
| 06    | IH163/6          |        | fladet series.. 4 IR Spark Detector module. Flickering LED Indication for   | 1. PNEUMATIC MATERIAL DUCT  
|       | SPARK DETECTOR  |        | normal operation. 24 V DC, 4 wire system                                   | 2. PNEUMATIC WASTELINE DUCT  
|       | MODULE           |        |                                                                             | 3. CLOSED PIPELINES            | 4 IR SPARK DETECTOR MODULE, 4 WIRE DETECTOR. THE SPARK DETECTOR SHOULD HAVE RELAY OUTPUT TO INTERCONNECT WITH ADDRESSABLE FAS / PLC / ANNUNICIATOR. |