

HLL INFRA TECH SERVICES LIMITED (HITES)

(Subsidiary of HLL Lifecare Limited
A Government of India Enterprise)

TENDER

FOR

**SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF
ADDRESSABLE FIRE ALARM SYSTEM AT PHARMACY BLOCK , JIPMER,
PUDUCHERRY, INDIA.**

Volume- III

TECHNICAL SPECIFICATION

Tender Notice No. : HITES/FM/PROJECT - FIRE/2020-21/001 Dated: 03.07.2020



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TECHNICAL SPECIFICATIONS

A BRIEF OF REQUIREMENT OF THE WORK:

1. General Scope of Work :

Supply, Installation, Testing And Commissioning of Addressable Fire Alarm System at Pharmacy Block, JIPMER, Puducherry.

2. The following are the salient features of the Works:

- a) Supply, Installation, Testing and Commissioning of Addressable Fire Alarm System.
 - b) Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base.
 - c) Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base
 - d) Supplying, installation, testing & commissioning of addressable horn cum strobe complete
 - e) Supplying, installation, testing & commissioning of addressable manual call point complete
 - f) Supplying, installation, testing & commissioning of addressable Auto dialler / phone control module complete
 - g) Supplying, installation, testing & commissioning of addressable fire control module complete
 - h) Supplying, installation, testing & commissioning of fault isolator module complete with base
 - i) Supply laying and termination of 2 Core x 1.5 Sq.mm cable, Armoured, Screened, FRLS, PVC Insulated copper cable along with all accessories
 - j) Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate
3. The work shall, in general, conform to the Latest CPWD Specifications for Electrical and Mechanical works with up to date correction slips for all sub heads of work as applicable, and, Technical Specifications included in the tender documents, wherever applicable. Wherever any aspect of design / construction / material standards is not covered under the above mentioned specification, relevant standards shall be referred to in the order of precedence which shall be as follows. In the case of discrepancy between the Schedule of Quantities, the Specifications and /or the Drawings, the following order of preference shall be observed -
- a. Description of Schedule of Quantities.
 - b. Particular specification and Specific Condition, if any.
 - c. CPWD Specifications.
 - d. Indian Standard Specifications of BIS/ NBC/ IRC/ BS/ ASTM/ DIN/
4. Should submit detailed drawing before execution and enclose as built drawing along with bill.

List of Approved Makes of Materials

S.No	Details of equipment/ material	Make / Manufacturer
1.	System integrator	Authorized OEM vendor from Bosch /Tyco/ Schneider/ Edwards/ Honeywell/ Siemens/Morley
2.	Addressable type fire alarm control panel	Bosch /Tyco/ Schneider/ Edwards/ Honeywell/ Siemens/Morley
3.	Addressable type smoke/heat detector	Bosch /Tyco/ Schneider/ Edwards/ Honeywell/ Siemens/Morley
4.	Addressable type manual call point	Bosch /Tyco/ Schneider/ Edwards/ Honeywell/ Siemens/Morley
5.	Addressable type sounder with strobe	Bosch /Tyco/ Schneider/ Edwards/ Honeywell/ Siemens/Morley
6.	Application software - fire alarm system	Bosch /Tyco/ Schneider/ Edwards/ Honeywell/ Siemens/Morley
7.	Auto dialer GSM SIM	ISI make
8.	Armoured FRLS copper cable for fire alarm system	Polycab/RR kable/ Havells/ Finolex
9.	Medium Class PVC Conduit pipe	Avon plast /Finolex/ Any ISI approved
10.	Switch and socket	Legrand, Crab tree, Anchor