



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD
FOR
FIRE ALARM INSTRUMENTS

NPCS-MS-IN-28

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GENERAL

1. 1 SCOPE

1. 1 1 This **standard covers** the minimum requirements for the design, fabrication, mounting and testing of fire alarm system and associated panels, detection devices and alarm annunciators .

1. 1 2 Vendor shall enclose catalogues giving detailed technical specifications and other information for each type of equipment **covered** in the bid.

1. 1 3 Vendor's quotation, catalogues, drawings, etc., shall be in English.

1. 1 4 Vendor shall quote for two years operational spares for each equipment and its accessories.

1. 1 5 Vendor shall attach a list of equipment itemwise summing up all the deviations from the purchaser's data sheets, if there are any. Also, vendor should provide reasons for these deviations wherever possible

1 2 CODES AND REGULATIONS

1 2. 1 Design, fabrication, supervision of assembly- and mounting and testing of all the equipment covered by this standard shall conform with all provisions of the latest edition of the National Fire Protection Association, "NFPA" Standards. In particular the following standards **shall be considered**:

- **NFC 12A** Standard on Halon-1301
Extinguishing **Systems**.

NFC 70 National Electrical Code, 1987.

- **NFC 72-A** Standard for the Installation,
Maintenance and Use of Local
Protected Signaling Systems for
Guard, Tours, Fire Alarm and
Supervisory Service.

NFC 72-B Standard for the Installation,
Maintenance and Use of Auxiliary
Protective Signaling Systems for
Fire Alarm Service.

- **NFC 72-C** Standard for the Installation,
Maintenance and Use of Remote
Station Protective **Signaling**
Systems.

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- NFC 72-D Standard for the Installation, Maintenance and Use of Proprietary Protective Signaling Systems.
- NFC 12-E Standard on Automatic Fire Detectors.
- NFC 101 Code for Safety to life in Buildings and Structures.

1.2.2 Detector enclosure and accessories shall be designed and manufactured in accordance with the latest edition of the applicable standards of the American National Standard Institute (ANSI), the National Electrical Manufacturers Association (NEMA), and the Institute of Electrical and Electronic Engineers (IEEE).

1.3 DRAWINGS AND DOCUMENTS

1.3.1 Drawings showing general layout, elevation and other details of the buildings to be protected, shall be attached and considered as a integral part of the requisition.

1.3.2 General conditions and instructions which will be attached to requisition, shall also be considered as an integral part of the requisition.

1.4 DEFINITION OF TERMS

1.4.1 Company

Company shall mean National Petrochemical Company (NPC), the owner and operator of the facilities to be constructed in accordance with this standard.

1.4.2 Fire Alarm System Vendor

The Fire Alarm System Vendor (herein called vendor) shall mean the party who shall be responsible for material supply, detailed design, fabrication, supervision of assembly and mounting, testing and certification of the facilities and equipment which comprise the work set forth in this standard or any portion thereof as set forth in the purchase order.