

**Prasar Bharati  
(India's Public Service Broadcaster)  
Doordarshan Kendra: Jaipur**

No. /DDK/JAI/1(41)/2013-14/

Dated: 18.12,2013

1. DESCRIPTION: \_\_\_\_\_

Sealed tenders are hereby invited for and on behalf of Prasar Bharati from reputed firms for the following: -

**SITC of Analog Addressable Early Fire Alarm System** for Doordarshan Kendra Jaipur (Under buy back scheme) & New installation at News Room/Duty Room etc, Earth station Jaipur and HPT Nahargarh Jaipur (Rajasthan) as per the attached technical specifications (Annexure-I)

The tender shall consist of three parts (bids) namely:

i) E.M.D.:- As per clause 7 of this tender document, E.M.D. should be enclosed in a separate sealed envelope. Technical bid of those tenderers only will be opened who have submitted the required E.M.D..

ii) TECHNICAL BID: Technical bid should contain the confirmation to the enclosed technical specifications. The envelopes should be super scribed as **“Technical Bid for Analog Addressable Early Fire Alarm System”**.

iii) COMMERCIAL BID: The commercial bid should contain the price bid and acceptance of the commercial terms and conditions of these tender documents. The commercial bid envelopes should be super scribed as **“Commercial Bid for Analog Addressable Early Fire Alarm System”**.

2. The technical bid (1 No.), commercial bid (1 No.) and EMD (1 No.) will be submitted in sealed envelopes separately with the names of the Material/Work, date of opening and the bid enclosed written on the envelopes.

The above mentioned **three envelopes** should be enclosed and submitted in another large size envelope duly sealed and super scribed with the name of work, date of opening. The tenders will be received at the office of the Deputy Director General (Engg), Doordarshan Kendra, Jhalanadoongri, Jaipur-302004 up to 1200 Hrs on **07.01. 2014**. The technical bid and E.M.D. will be opened on the same day at 15.00 hrs. The commercial bid of technically qualified tenders will be opened subsequently and after intimation to the technically qualified bidders.

3. VALIDITY \_\_\_\_\_

The tender shall be kept valid for **six months** from the date of opening of commercial bid.

4. PRICES, DUTIES AND TAXES: \_\_\_\_\_

A. **PRICES:** The prices quoted should be firm and for free delivery at DDK Jaipur inclusive of transit insurance, excise duty and entry tax if any. Tenderers should quote in figures as well as in words the amounts tendered by them. In the case of illiterates, the rates or the amounts tendered should be attested by a witness.

**B. DUTIES AND TAXES:**

**i) Excise Duty:**

The prices should contain an element of Excise Duty which should be indicated separately. Any statutory variation in the excise duty-taking place after acceptance of tender within the delivery date will be adjusted by the purchaser on production of documentary proof.

**ii) SALES TAX:**

The prevailing rate of ST/CST/VAT, etc should be clearly mentioned in the tender separately. The following certificates are to be submitted by the supplier along with the bills.

“Certified that the goods on which the sales tax has been charged have not been exempted under central sales tax act of the rules made there under. The amount charged on account of sales tax on these goods is not more than what is payable under provision of the relevant Act or the rules made there under.

Certified that we are registered as dealers in the State under registration No. for the purpose of Sales Tax. “Any statutory variation in ST/CST/VAT taking place after acceptance of tender within the delivery date will be adjusted by the purchaser”.

**iii) WORKS CONTRACT:**

If work contract tax is leviable by the concerned State Government on works contracts, the same shall be clearly mentioned in the tender.

**5. TERMS OF DELIVERY:**

F.O.R. Destination at DDK, Jaipur.

**6. DELIVERY PERIOD: -**

Tenderers may note that the entire supply/installation shall be completed within 30 days from the date of the order. The lay out wiring and other drawings wherever applicable shall be got approved within 10 days from the date of the work order.

**7. EARNEST MONEY DEPOSIT:**

Earnest Money @ 2% of tender amount, in the form of Demand Draft on a Nationalized bank drawn in favour of Drawing and Disbursing Officer, Doordarshan Kendra, Jaipur should accompany the tender in a separate envelope super scribed with the name of supply/work, opening date, etc., E.M.D. by means of Bank guarantee or any other mode of payment other than DD shall not be accepted. Tenders without EMD shall be summarily rejected and their technical cum commercial bid will not be opened at all.

EMD of the successful tenderer will be returned after receipt of security deposit as mentioned in the Clause 5 of General Terms and Conditions of the tender. EMD of the remaining two tenderers other than that of the successful tenderer will be returned after finalizing the contract. EMD of other tenderers will be returned back within 10 days of opening of tenders.

8. EXPERIENCE: \_\_\_\_\_

The tenderers should give documentary proof for having successfully designed, installed and commissioned similar type of work. The tenderers should enclose the user list clearly mentioning the name of the users / installations. The tenderers without the user list shall be rejected out rightly.

9. TECHNICAL SPECIFICATIONS AND GENERAL TERMS AND CONDITIONS : \_\_\_\_\_

For technical specifications and drawings see Annexure-I and for other general terms and conditions see Annexure-II

10. The tenderers may visit the kendra before submitting their bids to assess the requirement and arrive at the bill of materials. An indicative list is enclosed.

11. ACCEPTANCE / REJECTION OF TENDER: \_\_\_\_\_

The acceptance of a tender will rest with The Deputy Director General (Engg), Doordarshan Kendra, Jaipur, who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason.

12. A point by point compliance statement, in respect of all the points, sub-points in the specification is to be enclosed along with the offer. **Compliance statement in the format as mentioned in clause 5 of the Technical Specification only shall be accepted.**

13. GENERAL: \_\_\_\_\_

Canvassing in connection with tender is strictly prohibited and the tenders submitted by tenderers who resort to canvassing will be rejected.

For DEPUTY DIRECTOR GENERAL (ENGG)  
DOORDARSHAN KEDRA  
Jaipur

1. Technical specifications, Annexure-I.
2. General Terms and Conditions – Annexure-II

### Specifications for Analog Addressable Early Fire Alarm System

#### 1. SCOPE:

- a. The specification aims at the procurement of Analog Addressable Early Fire Alarm System (AAEFAS) for Doordarshan Kendra, Jaipur (Under by back scheme ),and new installation at Earth Station Jaipur and High Power Transmitters situated at Nahar Garh hill. The new installation for News Room, Duty Room etc to be combined with system installed for Studios.
- b. The offered system should be of reputed make, meeting the specification and field proven. The OEM/bidder should enclose the client list and the contact details where similar installation has been carried out. Local service support must be available for optimum upkeep of the system.
- c. The tentative quantity of each item required is mentioned in the Indicative BOM. **The bidder must quote the unit price for each item including the cable & laying charges per meter separately.** However, the exact quantities of each item required for the complete installation will be finalized after receiving the detailed recommendations from the successful bidder.
- d. All components and devices of Fire Alarm shall be either products of a single manufacturer or their compatibility is guaranteed by the bidder.
- e. In order to ensure a substantial useful life of the components and devices of AAEFAS, the supplied products shall have their manufacturing dates within six months prior to placement of purchase order. The original manufacturer's label containing the make, model no., serial number, batch number, date of manufacturing and certification mark shall be preserved carefully so that originality, genuineness, newness and certification could be verified.
- f. The bidder should Design, Supply, Install Test and Commission the Analog Addressable Early Fire Detection & Alarm System.

#### 1. Supply:

The supply of the item shall be as per the list of materials in the specification attached as BOM and list of spares. However, the spares list will also contain recommended spare parts from supplier. The supplying of AAEFAS includes the following accessories and associated materials/ items:

- i. Fire controller panel,
- ii. Thermal/Smoke detectors,
- iii. Manual Call points
- iv. Sounder Beacons and
- v. 1.5 sq mm 2-core, 16 strands, twisted pair, FRLS cables (All cables shall be supplied without any joints.)

## 2. **Installation:**

After placement of Purchase Order the supplier's representative shall visit the site immediately and give final recommendation on the installation of detectors to be placed in various locations and should supply a loop drawing indicating details of various devices in the loops and suggest layout of cables. The responsibility of connecting the devices in the loops with required connectors and cables lies with the supplier. The supplier shall take approval of the Indenting officer for the drawing and install the detectors, control panel, and other components connected to the system as per approved drawing. The Installation of the above mentioned items will be in the following areas of Doordarshan Kendra, Jaipur:

- i. Technical areas of Main building including Studio 1, Studio 2, ENG, Edit Suites, Technical Store, AHUs, Rehearsal Room, Video Tape Library, News Room, LM Section, Sub Station, AC Plant etc, in the Ground Floor as given in the enclosed Annexure „A“.
- ii. Technical areas like PCRs, MSR, Edit Suits, UPS Room, VTR, Maintenance Rooms, Dimmer Room etc in the First floor as given in the enclosed Annexure „A“
- iii., Separate addressable control Panel and detectors for first floor area of Earth Station including UPS room and Generator rooms & OB Van Garage etc in the Ground Floor as given in the enclosed Annexure „A“

## 3. **Testing & commissioning:**

Supplier shall prepare a commissioning procedure for approval by the purchaser, test and commission the system as per approved procedure for working .

- g. The firm has to bring all necessary equipments, tools, tackles, ladders, suitable manpower for installation, testing and commissioning.
- h. The scope includes all minor civil works like opening the wall/chasing in the wall required to be made for the installation. These associated works shall be made excellently and finished in appropriate manner.
- i. The bidder should offer a synoptic panel and shall be installed at the security post. Necessary wiring shall be done from panel to the synoptic panel to provide fire indication with red LED, fault with yellow blinking LED and healthy condition with green LED. The size of the synoptic shall be A-1 size prominently displaying the status of the zoned fire alarm. There shall be powder coated MS sheet of 20 SWG with front cover of transparent acrylic sheet with proper support. There shall be duplicate LEDs for each set of indication, i.e., fire, fault and healthy indication.

## 2. **ESSENTIAL FEATURES:**

### 2.1 **Fire alarm control panel (FACP)**

- a) The bidder should offer a FACP supporting 4-loop system and required number of addressable devices suitable for our office. The number of loops should be suitably decided to connect all the addressable devices.
- b) The fire alarm control panel shall be password protected, analogue addressable type which works primarily on a built-in 230 volts AC power supply and also supported by standby SMF battery back up with in built battery charger.
- c) The control panel enclosure should be rugged.

- d) The control panel shall have backlit LCD/LED display to depict the Real Time Clock, date, month & year, system settings, temperature and location wise fault indications. In addition, the system should be equipped with audio visual indicator for faults within the panel.
- e) The control panel shall have front panel programmable user function keys and reset switch. The control panel shall have provision to configure using front panel keys without using PC.
- f) The control panel shall have internal event logging facility and also should be accessible by an external PC/Laptop and hence the system should be supplied with PC configuration software.
- g) The control panel shall have provision to scan, detect and give alert indication for contaminated detectors and missing devices.

## **2.2 Addressable optical smoke detector/heat detector**

- a) The offered optical smoke detector shall be of electronic analogue addressable type operating on light scatter principle. The entire components used in detector shall be protected from corrosion.
- b) The electronic analogue addressable heat detector shall have external mounted linear thermistor which provides accurate temperature measurement data to the control panel.
- c) The detectors shall have an integral microprocessor capable of making alarm decision based on alarm level set (sensitivity) and facilitate reading from the control panel for remotely checking health of the detector, alarm level setting. Latching the detector, isolating the detector from the control panel shall also be possible.
- d) Removal of a detector or faulty detectors should not affect the functioning of the rest of the system.
- e) The detector sensing chamber shall be easily removable for cleaning and maintenance purpose. The deposited dirt or similar contamination on the sensing chamber shall be continually monitored by control panel, when it exceeds predetermined level, the panel has to indicate that the detector is in need of servicing.
- f) The detector and base construction shall be made of polycarbonate plastic and all the contact components including fasteners shall be either SS or brass.

## **2.3 Addressable manual call point**

- a) The double action type manual call points shall be of press glass type. The enclosure shall be made of ABS or Polycarbonate. It shall be of aesthetically designed, suitable for flush/surface mount.
- b) The manual call point shall be provided with transparent protective flip cover. Protective flip cover shall be made of strong unbreakable polycarbonate.
- c) The manual call point shall be of re-settable type preferably directly from the panel, without the requirement for replacing the glass.

## **2.4 Addressable loop powered Sounder Beacon**

- a) The addressable loop powered Sounder Beacon made of polycarbonate plastic shall have integral beacon within horn which generates different tones for alert and evacuation purposes.
- b) The sounder beacon sound pressure level shall be 85 dB at 10ft.

## **2.5 Addressable short circuit isolator**

- a) The addressable short circuit isolator shall provide short circuit protection in the SLC loop and isolate the segment.
- b) The short circuit isolator can be part of detector bases or built in to the detector.
- c) In case of class A wiring, closest isolators to the left and right of the shorted section shall be disabled. Remaining devices shall function and in case of class B wiring, all the devices beyond the shorted section shall be disabled.
- d) The isolator shall restore automatically, immediately when the short circuit fault is rectified.

## **2.6 Addressable control module/monitor module**

- a) The addressable control module shall provide potential free changeover contacts for various applications like tripping of AHU, deactivating Access control, switching ON Smoke exhaust fan & Fire exit lights, etc.
- b) The control module can be used to drive conventional high decibel hooter, siren.
- c) The control module shall operate from SLC loop power. No external power/cable shall be used.
- d) The addressable monitor module shall monitor free changeover contacts from various applications.

## **2.7 Auto Dialer**

- a) An auto-dialer is an electronic device that can automatically dial telephone numbers to communicate between any two points in the telephone, mobile phone networks. Once the call has been established the autodialer will announce verbal messages to the called party. We need dial tone connection for the autodialer. It should not be with EPABX system.
- b) 16 x 2 LCD for easy programming, 16 keys multifunction soft touch key pad, 60 second message storage, and 10 telephone numbers storage facility. 15 digit length telephone number to store cell phone numbers and STD numbers.
- c) The Product: Auto Dialer is an Electronic Device which alerts through phone / cell by playing the pre – recorded message.
- d) Voice Message: 60 seconds recorded message in any language includes a common message to describe the location and short message to describe the alarm event.
- e) Non-volatile memory for message storage and telephone number storage.

- f) The Auto dialer unit shall function with 24 V DC volts operation

## **2.8 PC CONFIGURATION SOFTWARE**

- a) The Addressable fire panel shall be supplied with user friendly PC configuration software to enable easy configuration of the system.
- b) The minimum recommendation for the system control PC shall be clearly specified in the offer. The Control panel should have USB direct connectivity or suitable USB converter should be offered.
- c) The software should have program to scan, read & configure the variable parameters of the various addressable devices connected in the loops.
- d) The software shall have provision to download event logging history report to read/print.
- e) PC configuration software shall be provided to zone/device location text to enter/read/edit and upload /download to control panel

## **2.9 PC Graphics software**

- a) The graphics software should be integrated with fire alarm system to provide clear & precise real-time information of alarm on PC workstation with use of text, floor & map.
- b) The graphics software makes easy for the user to locate the affected area and enable them to make efficient response to emergency.
- c) The software shall constantly monitor incoming alarm/trouble data and in case of alarm/trouble the particular floor plan shall pop-up automatically and the respective triggered device shall flash with change of colour.
- d) The software shall have provision to add, edit and zoom in and out the floor plan. It shall permit the user to use floor plan/map in the format of bitmap (.bmp), TPEG, .gif.
- e) The software shall have password protection feature to allow only authorized personnel to login/logout/change password.
- f) The vendor shall clearly specify the minimum hardware requirements for the PC in the offer.
- g) The software shall record event-logs, history with time & date and shall have option to print real-time events for operation.

## **3. TECHNICAL SPECIFICATION**

- a) The design, supply, installation, testing & maintenance of entire analogue addressable fire detection and alarm system shall confirm to National Building Code of India – Part 4, **IS 2189, BS:5839** or **NFPA 71/72 / EN 54** and ensure optimum efficiency of smoke detection coverage commensurate with aesthetics and practical constraints. The cables used for the AAEFAS should meet the latest revisions of the Indian Standards like:

**IS: 694:** Specification for PVC insulated electric cables.



- IS: 5608:** Specification for Low frequency wires and cables with PVC insulation PVC and sheath.
- IS: 5831:** PVC insulation and sheathing for electrical cables.
- IS: 10810:** Method of test for cables.
- IS: 1554 Part –1 1988 and IS: 10810 and IS: 5831-1984** for insulation for testing

- b) The offered Early Fire Alarm system shall be compatible with LAN network.
- c) Primary power supply for the control panel shall be 230V AC, 50Hz and stand-by power supply shall be of SMF battery.
- d) Shall give a minimum back-up of 48 hours in normal condition & 30 minutes at alarm condition. Battery calculation sheet shall be provided with user manual. Suitable standard battery calculation formula sheet shall be given with user manual for future expansion.

**3.1 Fire alarm control panel (FACP)**

- i. No. of Loops in Panel : Two Loops or better
- ii. Enclosure material : Powder coated CRCA sheet of 16 gauge
- iii. Primary Power Supply : 230V ±10% AC, 50Hz
- iv. Secondary Supply : 24V DC
- v. System Voltage : 24V DC
- vi. Operating Current : 95mA or better matching the rest of the system
- vii. Alarm Current : 250 mA or better matching the rest of the system
- viii. Software required : Configuration & Graphics software

**3.2 Addressable optical smoke detector compatible with FACP offered**

- i. Operating Voltage : 12V to 28V DC
- ii. Material : Polycarbonate plastic
- iii. Max. Standby Current : 80 µA or better matching the rest of the system
- iv. Alarm Current : 20 mA or better matching the rest of the system
- v. Operating Temperature : 0°C or below to +60°C or above
- vi. Humidity (non-condensing) : 5 to 95% Relative
- vii. Mounting : Ceiling with separate base

**3.3 Addressable heat detector compatible with FACP offered**

- i. Operating Voltage : 12V to 28V DC
- ii. Material : Polycarbonate plastic
- iii. Max. Standby Current : 80 µA or better matching the rest of the system
- iv. Alarm Current : 20 mA or better matching the rest of the system
- v. Operating Temperature : 0°C or below to +60°C or above
- vi. Humidity (non-condensing) : 5 to 95% Relative
- vii. Mounting : Ceiling with separate base

**3.4 Addressable manual call point compatible with FACP offered**

- i. Operating Voltage : 12V to 28V DC
- ii. Material : ABS or Polycarbonate
- iii. Max. Standby Current : 5 µA or better matching the rest of the system
- iv. Alarm Current : 20 mA or better matching the rest of the system
- v. Operating Temperature : 0°C or below to +60°C or above

- vi. Humidity (non-condensing) : 5 to 95% Relative

**3.5 Addressable loop powered Sounder Beacon compatible with FACP offered**

- i. Power Source : Loop Powered
- ii. Operating Voltage : 12V to 28V DC
- iii. Alarm Output : 85 dB or more
- iv. Max. Standby Current : 5 mA or better matching the rest of the system
- v. Alarm Current : 40 mA or better matching the rest of the system
- vi. Operating Temperature : 0°C or below to +60°C or above
- vii. Humidity (non-condensing) : 5 to 95% Relative

**4. GENERAL**

Following general conditions are applicable to all tenderers. These conditions have to be complied for consideration of their offer(s).

- 4.1 Other essential item(s), if any, which have not been mentioned in this specification, but are necessary to complete the system for its full exploitation, should also be quoted as optional item. The firm should provide the sufficient details of such item(s) to decide about its utility.
- 4.2 The tenderer/manufacturer should ensure the completeness of the system in their offer.
- 4.3 All the essential accessories and technical manual should be included in this offer.

**5. COMPLIANCE**

**A point by point compliance statement from the principal manufacturer in respect of all the points laid down in this specification is to be enclosed along with the offer in the format given below. Mere signature on the copy of our specification shall not be accepted as a compliance statement.**

Compliance statement in the format mentioned below shall only be accepted. The manufacture should also record the performance figures of their equipment offered in the quote for which the compliance statement is enclosed. The figures so mentioned should be supported by record of these in the technical literature enclosed with the tender. Offers without the compliance statement or incomplete compliance statement will be rejected with the sole responsibility of the tenderer. **Any deviation from the specification detailed in the compliance statement is to be highlighted separately.**

Sr.No of DD specs.	DD specs.	Compliance (Yes/No)	Performance Fig. of eqpt. Offered.	Deviations, in case of non-compliance	Optional items if any reqd. to make the sys. Compliant to DD specs.	Features in the sys. Offered Which exceed DD specs.

**6. PRICE**

The tenderer must quote separately item wise unit price for all the items that constitutes the system. Prices of all optional items essentially required for the completeness of the system should also be quoted separately. Payment conditions will be as per the General Terms & Conditions mentioned in Annexure – II.

## 7. SPARES

The tenderer should quote for all the essential spares that are required for the smooth functioning of the system for at least two years after the guarantee period is over.

## 8. DOCUMENTATION

One set of the technical literature/ leaflet for all the items quoted in the bill of quote should be enclosed along with the tender for technical evaluation. **Offers without the necessary literature/ leaflet for evaluation will be rejected with sole responsibility of the tenderer.** The successful tenderer has to supply two sets of printed user manual as erected drawing, along with the equipment. One set of soft copy in the form of CD or DVD. Separate user software CD for panel programming shall be provided. No extra payment shall be made for documentation. If required shall be quoted by the vendor at the time of tendering itself.

## 9. GUARANTEE

The equipment should be guaranteed for **two** years of trouble free operation from the date of commissioning. Any failure within two years after the delivery of equipment should be replenished free of cost.

## 10. INSPECTION

The equipment shall be subjected to inspection before & after installation by officials of DDK, Jaipur.

## 11. ENCLOSURES

The firm must submit the following enclosures along with the tender to facilitate technical evaluation.

- a) Point to point compliance statement duly signed by the OEM.
- b) Technical manuals/Detailed technical literature/catalogues for all the offered items of the product, for substantiating the technical specification.
- c) Major Client list of the offered product/system in India.
- d) Any other document mentioned elsewhere in the tender document.

The tender is liable to be rejected in the absence of the above enclosures with the sole responsibility of the tenderer.

**Indicative Bill of Materials (BOM)**

(Exact quantities will be decided after the Commercial comparison made on the Unit price quoted)

Sr.No	Description of item	Quantity	Rate in Rs	Taxes	Amount in Rs
1	2 loop,100% intelligent addressable modular hot redundant fire alarm control panel based on 32 Bit dual microprocessors and colour graphics software to be installed at Studios DDK Jaipur.	01			
2	Single loop,100% intelligent addressable modular hot redundant fire alarm control panel based on 32 Bit dual microprocessors and colour graphics software to be installed at Earth Station DDK Jaipur (New installation with wiring)	01			
3	Single loop,100% intelligent addressable modular hot redundant fire alarm control panel based on 32 Bit dual microprocessors and colour graphics software to be installed at HPT Nahargarh.(New installation with wiring)	01			
4	Intelligent addressable Optical smoke detectors as per specifications along with detector base to be installed in Studios	100 (Approx)			
5	Intelligent addressable Optical smoke detectors as per specifications along with detector base to be installed in News Room, Duty Room, EPABX Room and O/O of Director News(New installation with wiring)	20 (Approx)			
6	Intelligent addressable Optical smoke detectors as per specifications along with detector base to be installed at HPT Nahargarh.(New installation with wiring)	50 (Approx)			
7	Addressable manual Call Points at Studios A Repair and testing of existing call points  B Provision of new manual call points with wiring at following locations Duty room front wall in Lobby Earth Station galary	As per actual 02			
8	Addressable loop powered Sounders with wiring as per specifications one each at Studios, Earth Station and HPT Nahargarh.	03			
9	Addressable control cum Monitor Module with wiring as per specifications for Studios,earth Station and HPT Nahargarh.	03			

10	Synoptic Panel as per specification with wiring, to be installed at Main Gate for Studios,Earth Station and HPT Nahargarh.	As required			
11	Detector Test and Removal Kit as per specification	03			
12	Auto dialer Unit	03			
13	Battery charger with SMF Batteries as required for above 3 systems	03 set			
14	Cable and laying charges for new system 1.5 sq mm,2core,16 strand or better, twisted pair, shielded, Fire resistant, copper cable of with conduit required length as per detailed specifications.	Per running meter as required			
15	Operation and Maintenance Manual for each set up	03			
16	Any other item essentially required to make the system fully functional at all the three locations.	01 Lot			
17	Total Cost				
18	Less cost of old Early Fire Alarm Control Panel, Detectors and associated cabling/wiring.	01 lot			
19	Net amount				

Note:-The tenderer may visit Doordarshan Studios to access the condition/cost of installed Early Fire Alarm System and inspection of new proposed sites for preparation of Drawings before submitting the tender between 1100 hours to 1600 hours on all working days.

#### ANNEXURE-II

#### GENERAL TERMS AND CONDITIONS FOR SITC /WORK ORDER

1. NAME OF PURCHASER : Deputy Director General (E), Doordarshan  
Kendra,Jaipur
2. PAYING AUTHORITY : Deputy Director General (E), Doordarshan  
Kendra,Jaipur
3. PAYMENT TERMS :  
The tenderer should submit the bills in Triplicate after satisfactory completion of work in all respect under the supervision of Engineer In Charge, for payment.
4. SECURITY DEPOSIT.

The contractor shall furnish the security deposit within 2 weeks of placement of order at the rate of 10% of the contract value. The security deposit shall be furnished in favour of Drawing and Disbursing Officer,Doordarshan Kendra,Jaipur in any one of the forms mentioned below.

- a) DD payable at Jaipur
- b) Bank Guarantee from any nationalized bank valid up to the end of guaranty / warranty period as per contract.

The Earnest Money Deposit received will be returned after receipt of Security Deposit. The security Deposit shall be refunded in full on completion of successful guarantee/warranty period.

#### 6. DESPATCH INSTRUCTIONS:

The packing and marking of goods shall be as laid down in clause-12 of general conditions of contract DGS & D69 (revised).

- a) The contractor shall arrange to despatch the goods duly insured direct to the consignee after prior intimation for delivery at site by whichever mode of transport he may choose, to ensure safe delivery of goods at site. Unloading shall be done at site at the contractor's expense. The consignee will provide only storage space. The contractor will provide his own security like locking etc and store the materials at his own risk.

b) The contractor must submit his challans in triplicate to the consignee sufficiently in advance of the actual arrival of the stores at the destination failing which he will be held responsible for any subsequent discrepancies between the actual receipt and the material detailed in the challan received later. The challans must also contain the following information:

1. Brief description of stores.
2. Railway / Lorry receipt No. & Date.
3. A/T No.& Date.
4. Inspection note No & date.

c) The consignment received at site shall be opened and checked for shortages / damages by the contractor himself. He shall show all the materials received at site to the consignee to enable him to certify receipt of stores in good condition. However, in exceptional circumstances, the contractor may request the consignee to check the consignment on his behalf. In such cases the consignee shall notify the contractor of the shortage/ damages immediately on receipt of consignment at site. Expenses incurred, if any, in checking the consignments shall be debitible to the contractor's account.

#### 7. INSPECTION.

i) Final Inspection: Fire Alarm System along with its accessories to be supplied against the supply order of this office will be offered for inspection at site also. The necessary drawings, wiring/connection diagram, etc., which are required for installation of Fire Alarm System has to be submitted by the firm at the time of inspection. All the measuring equipments, tools, etc., required for satisfactory testing of the Fire Alarm System has to be arranged by the firm at site.

ii) Inspecting Officer: Authorized representative of the Deputy director General (E), Doordarshan Kendra, Jaipur.

#### 8. INSURANCE:

The contractor shall arrange for the insurance covering the risk during transit, storage and installation till commissioning. All the charges for such insurance shall be borne by the contractor.

#### 9. ADDITIONAL QUANTITIES:

The purchaser reserves the right to place order for additional quantity up to 50% of the ordered quantity at the same rates and terms and condition during the currency of the contract.

#### 10. PENALTY FOR DELAY:

If the contractor is unable to complete the supply, installation, testing and commissioning within the stipulated time limit the purchaser may at his option allow such additional time as may be considered justified with/without penalty and without altering terms and conditions of the order. In the event of failure of the contractor to complete the supply, installation testing and commissioning within the stipulated time or the extended time, the purchaser has the right to impose penalty of Rs.350/- per week or part thereof for every Rs.1,00,000/- of the contract price. The Contractor's liability for delay, however, shall not exceed 5% of the total contract price.

11. GUARANTEE/ WARRANTY:\_\_\_\_\_

The Fire Alarm System and all other accessories to be supplied against this office order shall be guaranteed against any manufacturing defects, unsatisfactory performance of the Fire Alarm System & accessories for a period of 24 months from the date of handing over of the Fire Alarm System. Any parts failing during the guarantee period shall be repaired free of cost by the contractor at site.

12. CONDITIONS OF CONTRACT:\_\_\_\_\_

DGS & D-68 (Revised) and DGS & D-71 as amended up to date. However, such of these conditions stipulated on this tender shall supercede corresponding conditions in DGS & D-71. The contractor shall sign a contract agreement form in triplicate in the prescribed proforma and submit the same along with Security Deposit within 15 days. The complete form with the purchaser's signature shall be sent back to the contractor. No supplies will be made and no work shall start unless the agreement is signed by the contractor and the purchaser.

13. SPECIAL CONDITIONS:\_\_\_\_\_

In addition to the terms and conditions contained in the general conditions of contract DGS & D-68 (Revised and DGS & D-71, the contract would also be governed by the following special conditions

- i. The Fire Alarm System installed should comply with the local electrical rules and corrections should be carried out as per the demand and instructions of Electrical Inspector.
- ii. In case where only a portion of the stores ordered is tendered for inspection at the fag end of the delivery period the purchaser reserves the right to cancel the balance quantity not found acceptable after carrying out the inspection at the risk and expense of the contractor. If however, the stores tendered for inspection are found acceptable the purchaser may grant an extension of the delivery period subject to the following conditions: -
  - a) That no increase in price on account of any statutory increase in or fresh imposition of customs duty, excise duty, sales tax or on account of any other tax or duty leviable in respect of the stores specified in the acceptance of tender shall be admissible on such of the stores as are delivered after the expiry of the delivery period stipulated in the A/T.
  - b) That notwithstanding any stipulation in the contract for increase in price or any other grounds no such increase which takes place after the date of delivery stipulated in the A /T shall be admissible on such of the stores as are ordered after the expiry of the delivery period stipulated in the A/T.
  - c) But, nevertheless the purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax on account of any other ground stipulated in the price variation clause which takes place after the expiry of the date of delivery stipulated in the A/T.
  - d) The contractor shall not dispatch the stores till such time extension in delivery period is granted by the purchaser and accepted by the supplier before and extension letter as aforesaid is issued by the purchaser, the same are deemed to be subject to the conditions set out in proceeding paragraph.
- iii) In case where the entire quantity has not been tendered for inspection within the delivery period stipulated in the A/T and the purchaser chooses to grant and extension of delivery period, the same would be subject to conditions mentioned in (i) above.

- iv) The contractor shall refund any advance/part payment issued to him in respect of the rejected stores within 14 days of the receipt of intimation from the consignee about the rejection of such prices. This is strictly without prejudice and in addition to the rights provided in the clause-17(8) of form DGS & D-67.
- v) The contractor is required to replace the rejected stores forthwith but in any event not later than a period of 14 days from the date of rejection and the contractor shall bear all the costs of such replacement including freight, if any, but without being entitled to any extra payment or any other account.
- vi) Where under the contract, price payable is fixed F.O.R. dispatching station, the contractor shall, if the stores are rejected at destination by the consignee, be able to, in addition to his other liabilities (including refund of price recoverable in respect of the stores rejected) to reimburse to the purchaser the freight and all other expenses incurred by the purchaser in this regard.

14. ENFORCEMENT OF LABOUR LAWS: \_\_\_\_\_

While engaging labour for carrying out obligations under the contract the contractor shall satisfy the conditions laid down under contract labour (Regulation and Audition) Act 1970 and (Central) Rules 1971 as amended from time to time and observe all formalities required as per the said Act/ Rules. The supplier shall also observe the provision under minimum wages act 1948(Central) Rules 1950 amended from time to time while engaging labour.

15. FORCE MAJUERE: \_\_\_\_\_

If any time during the continuance of the contract the performance in whole or in part by the contractor shall be prevented or delayed by reason of any war, hostility acts of the public enemy. Civil commotion, sabotage, fires, floods, explosions, epidemics, guarantee restrictions, strikes, lock-outs or acts of God (therein after restrictions refer to as events and provided notice of happenings of any such eventuality is given by the contractor within 21 days from the date of occurrence thereof, the purchaser shall by reason of such event, neither be entitled to cancel this order nor shall have any claim for damages against the contractor in respect of such non-performance or delay in performance and delivery shall be resumed as soon as practicable after such events have come to an end or ceased to exist.

Provided further that if the performance in whole or part or any obligation under this order is prevented or delayed by reasons of any such event for a period exceeding 180 days, the purchaser and the contractor shall meet to find a natural agreement to any effect resulting the reform or the purchaser may at his option cancel order provided also that if the order is cancelled the order provided also that if the order is cancelled under this clause, the purchaser shall be at liberty to take over from the contractor at order prices all unused, un-damaged and acceptable material bought out components and stores in course of manufacture in the possession of the supplier at the time of such cancellation or such portion thereof as the purchaser may deem fit accepting such material, bought out components and stores as the supplier may with the concurrence of the purchaser elect to retain.

16. TECHNICAL MANUALS & DRAWINGS \_\_\_\_\_

Contractor shall furnish two copies of comprehensive technical manuals for use by the operation staff at DDK, Jaipur.

Such manuals shall contain instructions from the preventive as well as routine maintenance of the FIRE ALARM SYSTEM and accessories. The contractor shall also furnish copies of approved wiring diagrams, schematics, etc., for various items of equipment.



17.CANCELLATION:\_\_\_\_\_

The purchaser reserves the right to cancel the order in the event of non-performance / delay in performance or unsatisfactory performance by the contractor and recover payment already made if any, along with losses/ damages incurred. In such case, the security deposit / EMD will be encashed by the Department.

For Deputy Director General (Engg)  
Doordarshan Kendra  
Jaipur

