

**CURRENCY NOTE PRESS : NASHIK ROAD**  
**(A Unit of Security Printing and Minting Corporation of India Limited)**  
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**EOI NO: 02/ELE/2024-2025**

**Date: 22.05.2024**

1. Name of the organization: Currency Note Press, Nashik (A Unit of Security Printing and Minting Corporation of India Limited)
2. Type of the organization: Wholly owned by Government of India
3. Reference No: EOI NO: 02/ELE/2024-2025
4. EOI Title: “**DESIGN SUPPLY INSTALLATION TESTING AND COMMISSIONING OF INTELLIGENT ANALOG SOFT-ADDRESSABLE WIRED FIRE DETECTION AND ANNAUNCIATION SYSTEM ON TURN KEY BASIS IN CNP**”
5. Category: Non Security
6. Document Fee: Nil
7. Mode of Publication: National Competitive Bidding
8. Date of Announcement: 22.05.2024
9. Last Date of Submission: 21.06.2024
10. Brief Description:

SCOPE: To Design the system as per the Layout & considering the work environment of following sections:

1. The scope of work shall include Design, supply, installation, testing and commissioning of intelligent analogue addressable wired Fire alarm & detection system. It shall include all accessories, secondary power supplies as required for the equipment's installed for back up and fail safe operation during power failures, required hardware, software, supports, data cables, power cables etc. conduits, earthing to the equipment's etc, as required for the satisfactory operation of the system. Design supply , installation ,testing & commissioning of Wired Fire Alarm System shall consists of multi loop Fire Alarm Control Panel (with expandable loop features complete with required cards interfaces ready for installation) with intelligent addressable multi sensor fire detectors, addressable manual call points (MCP), remote response indicators, Heat & smoke detectors, SMF batteries, addressable hooter (sunder), auto dialers , repeater panel, interfacing devices, mounting accessories and detector test kit. The locations and quantity of the detectors, Manual Call Points, Hooters etc. However, installation of the detectors shall be carried out by the firm as per the final drawing approved by CNP.

**The system shall be with the following hardware & software**

- a) Multi loop Intelligent Analogue Addressable Fire Alarm Control Panel.
- b) Repeater Panel suitable for above control panel with all necessary control keys

complete with necessary installation hardware & accessories. The LCD shall Display all events / detectors, devices status of complete systems and provide for remote reset, acknowledge, drill and silence of the control panel from remote locations.

- c) Analogue Addressable Multi-criteria Heat & Smoke Detectors with In-built isolator in each device. Day/Night operation, 360° visible bi-color LED, Magnetic Test feature, Double dust trap complete with necessary installation hardware & accessories.
  - d) Addressable Manual Call Point with Reset Lock & Key arrangement with back box, In-built isolator microprocessor based complete with necessary installation hardware & accessories
  - e) Ceiling mounted Addressable Intelligent wall sounder and flasher with in- built isolator complete with necessary installation interface, mounting base hardware & accessories. The Sounder shall be made of ABS plastic material & shall have the Db Level of 90 dBs and multi tone facility.
  - f) Heat & Smoke Detection system suitable for area as specified. The system shall be integrated with Main Fire alarm Panel. It shall have 3 stage warning including Trouble/Pre-Alarm/Fire-Alarm complete with necessary installation interface hardware & accessories. Batteries included complete with necessary accessories to provide back up 24 hours in standby mode & 30 minute in alarm conditions.
  - g) Flame detection system : suitable for area as specified. The system shall be integrated with Main Fire alarm Panel. It shall have 3 stage warning including Trouble/Pre-Alarm/Fire-Alarm complete with necessary installation interface hardware & accessories. Batteries included complete with necessary accessories to provide back up 24 hours in standby mode & 30 minute in alarm conditions.
  - h) Auto dialer facility complete with all the accessories and peripherals, software etc. (The dedicated lease line will be supplied by CNP if required) All above items of system shall be designed & installed according NFPA/EN standards. It shall be UL/LPCB/EN/VDS approved.
  - i) Battery charger ,UPS and Battery Bank as required for the total secondary protection of all equipment's and devices for 24 hours backup as well as for regular supply for devices if required
  - j) Laser jet Printer : All in one printer along with power cord, USB cable, Printing speed :12 pages/minute for A4 size paper
  - k) Computer with programming: i7 or better core duo processor, LED 18 inch monitor, 1 TB or more SATA HDD , optical mouse, windows 11 software along with FA system software complete licensed copies.
    - i. Supply & laying of suitable size Multi Stranded Copper conductor Twisted Pair, Shielded, FRLS Armoured Cable 650 V as per IS 1554, with GI saddle spacers every 0.3 meter with Single compression Cable Glands, ABS Junction Boxes( wherever required ), terminals, Ferruling complete. Complete with GI Junction Box, lugs, cable compression glands, cable tags and Ferruling. (For interconnection between Fire Alarm Panel & Repeater Panel). Any miscellaneous material and devices as required for integration including modules, fabrication material, clamps, data cables, connectors ,CPVC pipes etc.
- The system shall have an overall sufficient spare capacity that includes but not limited to communication network, terminal strips, amplifier, batteries, etc., reserved for future expansion.
  - Supply and installation of all equipment cabinets, panels, and data

- communication network cables and all associated hardware.
- Supply and installation of all interconnecting cables between Fire Alarm control panel, Repeater panel, Detectors and input/output devices.
- Supply installation testing and commissioning of Auto Dialer facility using CNP's leased line.
- Supply installation Testing and commissioning of Earthing system for the whole system. CNP will provide the source to tap the earthing point from where the firm will carry out its sub branch using copper strip of for the main panel and repeater panels.
- For smoke & heat detectors, the number of units shall be decided on the basis of the design requirement. The firm will have to provide complete manufacturer's specifications for all items that are to be supplied. Including vendor name of every item to be supplied, part number, model number etc. in detail. Provide operational documentation such as technical manuals, Original copies of the software etc. on approved media, the sum total of which accurately represents the final system.
- Provide all the software on CD's and HDD for future use by CNP. The supplied software shall not have any validity period and shall be operational for indefinite period for use of CNP.
- No used components shall be used as any part or piece of installed system.
- Vendor should ensure warranty of the System for 1 year from the date of FAT (Final Acceptance Test) by CNP and shall give service back up for 7 x 24 hrs of a week against any failure, software / hardware problem etc.
- The Warranty period will start only after FAT of the system is performed to the full satisfaction of CNP for at least 30 working days .
- Necessary training for the successful operation & trouble shooting to the CNP's four each responsible staff (Including fire fighting and Engineering) is also included in the scope.
- Vendor should consider all required Liasoning work related to Fire alarm & detection system with State / Municipal authorities for getting Fire NOC.
- The firm will have to follow all the safety and security regulations of CNP throughout the completion of works.
- All necessary civil works including but not limited to excavations, making or breaking of walls, partitions, removing and refitting of false ceilings for laying cables or for installation of detectors/ piping, providing fabrication items for hanging the detectors where the area being irregular does not support to fix it on ceiling or partition or height if required, making, closing of cutouts in the wall, necessary supports and grouting, drilling etc. are included in the scope.
- All Civil works like chasing & making good the chases making pockets for grouting if necessary, grouting of panels etc. is Included in scope.
- Fabrication and fixing of supports, frames etc. are included in the scope.
- If any damage occurs to the civil structure, false ceiling etc. during the execution of work, the firm will have to repair the same at their cost.

**New areas to be added along with our existing areas mentioned below:**

1. All five substations 11KV /415volt and 33/11KV Main Receiving station (MRS)
2. WSRT Plant + it's proposed extension area and considering the work environment of the plant i.e. Chemical being used (NaOH + Sulfonated castor oil+ soft water) in the WSRT process & heaters /steam generator installed in the plant
3. Briquetting machine section.
4. Incinerator plant.
5. Administrative bldg.
6. Main canteen with cafeteria.

The existing Fire Alarm system Details mentioned below:

SL No	Description	Total Devices
1.	Smoke Detectors	1517
2.	Heat Detectors	435
3.	Flame Detectors	446
4.	UV IR Detectors	28
5.	Manual Call Points (TCP)	195
6.	Response Indicators (RI)	286
7.	Junction (Zone)	274
8.	Local Control Panel (LCP)	27
9.	Hooters	72

**Warranty :**

The fire alarm system is very sensitive from the safety point of view of the unit so it will be better to include provision for 02 years CAMC after completion of 01 year manufacturer / supplier warranty period so that we can get un interrupted services of the system for at least coming 03 years.

The interested firm may visit the site and do the survey to understand the requirement of these areas and provide the design related to above areas with complete technical specifications & tentative layout with budgetary offer submitted against this EOI.

**11. Important Instructions to Bidders for submission of the documents:**

- i. The participating firms shall be required to submit all related technical details, capabilities of the firm, product catalogues, and specifications of the proposed system, technical write up and presentation( if necessary) on the proposed equipment/system and experience on Wired Fire alarm system.
- ii. The interested parties can visit CNP to see area to be covered & assess the requirement before submission of bids.
- iii. The interested & experienced firms should also be required to submit along with Expression of Interest, a list of customers to whom they have supplied such equipment/ systems with details and performance report from their clients.
- iv. The participating firm shall have carried out the similar project in last 3 years .The firm shall provide Purchase Order copies of the customers to whom such equipment/ system have been supplied in the past 03 years with details of the equipment/ system and their addresses along with phone, fax and email addresses and performance report from them.
- v. The Participating firms should give a declaration that they have not been blacklisted or debarred for dealing by Government of India or any Government in the past.
- vi. The documents in support of Expression of Interest need to be submitted duly signed by the authorized representative of the applicant with name and designation of the signatory.
- vii. The documents in support of Expression of Interest (viz. Supply order details/ Installation Certificates/ Addresses of customers and their contact numbers) need to be submitted duly signed by authorized representative of the applicant.
- viii. Please fill and submit the format provided at Annexure – “A” along with this document.

- ix. The principal firm will have to directly participate in this EOI. Participation of any authorized firm by any principal bidder will not be considered.
  - x. Bidders are requested to submit Budgetary Quotations for the products thus purpose.
12. Procurement Process:  
Following are the details of this procurement process:
- i. At first, the Expression of Interest is being floated for above mentioned instrument.
  - ii. The firms intending to participate in the EOI have to present a detailed presentation at CNP, Nashik regarding their offers of services/goods and the cost for such visits shall be borne by firms only.
  - iii. After evaluation of the responses received, a Tender will be floated in cooperating all the terms and conditions, specification as per buyer's requirement. An Open tender will be floated for active participation of bidders.
13. The Bid shall be submitted in English Language only. The Authenticated copies of the documents in support or applicant's claim may be submitted in English Language.
14. The bidders will be required to give a presentation of the offered item by them on mutually agreed date after submission of the offer.
15. The bidders shall provide copies of balance sheet, Profit & Loss statement, of last Five years ending March-2023. If Financial Year maintaining calendar year wise then up to December-2022. All the Financial data to be certified by Charter Accountant in India and certified by Public Accountant in foreign as the case may be.
16. The bidders shall enclose details of quality accreditations received by them.
17. The dully filled details along with supporting documents should be sent in a sealed envelope super scribing "Expression of Interest for **DESIGN SUPPLY INSTALLATION TESTING AND COMMISSIONING OF INTELLIGENT ANALOG SOFT-ADDRESSABLE WIRED FIRE DETECTION AND ANNAUNCIATION SYSTEM ON TURN KEY BASIS IN CNP**" The same may be submitted in person or through courier/ registered post/ speed post so as to reach the following address on or before the prescribed date and time:

The Chief General Manager,  
Currency Note Press,  
Jail Road, Nashik Road-422 101  
Maharashtra, India  
Phone No. +91 253 2454493, Fax No: +91 253 2464100  
Email: purchase.cnpnashik@spmcil.com

Last date and time for receipt of Expression of Interest: 21.06.2024 - 14:30 pm

Date and time of opening of Expression of Interest on: 21.06.2024 - 15:00 pm

Place of opening of Expression of Interest: Currency Note Press, Jail Road,  
Nashik Road 422 101, Maharashtra, India

**(RAJKUMAR R)**  
**MANAGER (MATERIAL)**  
**FOR CHIEF GENERAL MANAGER**

# Annexure: A

## Application for EOI

(The applicant should study carefully the Rules of EOI and the list of documents to be annexed with application form.

1. Name of applicant : Shri/Smt ...
2. Nationality: .....
3. Office Address :

Home Office

Regd. Office

4. Telephone Number .....

5. Fax No. ....Email ID :

.....

6. Constitution – (Tick the appropriate)

Individual ( ) Sole Proprietorship Concern ( ) Partnership Firm ( )

Public Ltd .Company ( ) Private Ltd. Company ( )

7. Names of Partners /Directors:

Sl. No.	If Company -Names of Directors	If Partnership Firm –Name Partners
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1

2

3

8. Is the individual /sole proprietor /any partner /director of company:

Particulars

Yes/No

Sl.No

(a) Dismissed Govt. Servant

(b) Removed from approved list of contractors.

(c) Demoted to a lower class of contractors.

(d) Having business banned /suspended by any govt. in the past.

(e) Convicted by a court of law.

(f) Retired engineer /official from engineering Dept. of Govt. of India within last two years.

(g) Director or partner of any other company /firm enlisted with CPWD or any other department.

(h) Member of Parliament or any State Legislative Assembly.

If answer to any of the above is, "Yes ", furnish details on a separate sheet

9. (a) Name of person holding power of attorney: .....  
(b) Nationality Indian / Other: .....  
(c) Liabilities: .....

10. Name of Bankers with full address and Account details .....

11. Place of business:

12. Full time technical staff the applicant employs:

<b>Categories:</b>	<b>Number</b>
Graduate engineers with minimum 5 years of experience: .....	
Graduate engineers with minimum 3 years of experience: .....	
Diploma engineers with minimum 3 years of experience: .....	

13. Does the applicant have sufficient T & P, Machinery, and Equipment's arrangements for quality control and workshop as per requirements?  
(Attach details on separate sheet)(In case of authorized dealers, provide these details pertaining to OEM)

14. Does the applicant possess valid Electrical License (For Electrical): Yes / No

15. Whether registered with GST authority.  
(Give details of registration and enclose copies thereof).

16. Financial Reports: Provide copies of last 5year's audited Annual report / Balance Sheet /Profit and loss statement including for the year 2022-2023.

17. (a) Whether already enlisted with any other organization: Yes / No  
(b) If yes, give details:  
(i) Name of department .....  
(ii) Class of category .....  
(iii)Empanelment authority & address .....  
(iv)Employment No. & date .....  
(v)Date of validity .....  
(vi)Tendering limit .....

18. Is any person working with the applicant a near relative of the officer / official  
of SPMCIL: Yes / No

If yes, give details

19. Details of Work completed and in progress during the last 5 years if any.

20. Certificates:

(i) I/We (including all partners) certify that I/We have read the Rules of Enlistment of Contractors in SPMCIL as amended upto date and shall abide by them.

(ii) I/We certify that the information given above is true to the best of our knowledge. I/We also understand that if any of the information is found wrong. I am liable to be debarred.

(iii) I/We certify that I/We will not get myself/ourselves registered as contractor(s) in SPMCIL under more than one name.

Signature(s) of applicant(s):

Sl. No.	Names	Signatures	Address
1.			

Date: .....  
firms  
Place: .....

Seal and Signature of the  
authorized representative.

No. of documents attached: