

**E-TENDER  
FOR  
NON-COMPREHENSIVE  
ANNUAL MAINTENANCE CONTRACT  
OF  
DIGITAL FIRE ALARM SYSTEM  
AT  
KURUKSHETRA PANORAMA &  
SCIENCE CENTRE,  
KURUKSHETRA**



**NATIONAL SCIENCE CENTRE  
(NATIONAL COUNCIL OF SCIENCE MUSEUMS)  
BHAIRON ROAD, NEAR GATE NO. 2, PRAGATI MAIDAN  
NEW DELHI – 110 001**

**NATIONAL SCIENCE CENTRE,  
NEAR GATE NO. 2, PRAGATI MAIDAN,  
BHAIRON MARG, NEW DELHI-110001**

TENDER No. NSCD/18011/E-Tender – 31/18-19

NOTICE INVITING E-TENDER

On-line Digitally signed E-Tenders are invited in two Bid System from reputed / Experienced / eligible agencies for **Non-Comprehensive Annual Maintenance Contract of Digital Fire Alarm System at Kurukshetra Panorama & Science Centre** (which is under the administrative control of National Science Centre, Delhi), **Pehowa Road, Kurukshetra. (Haryana)**. Agencies having proven experience in the field may download the tender documents from the Central Public Procurement Portal (CPPP): <http://eprocure.gov.in/eprocure/app>.

Bid Document Published Date	1 <sup>st</sup> October, 2018 (06:00 P.M)
Bid Document Download Start Date	1 <sup>st</sup> October, 2018 (06:00 P.M)
Bid Clarification Start Date	1 <sup>st</sup> October, 2018 (06:00 P.M)
Bid Submission Start Date	1 <sup>st</sup> October, 2018 (06:00 P.M)
Bid Clarification End Date	12 <sup>th</sup> October, 2018 (04:00 P.M)
Bid Submission End Date	15 <sup>th</sup> October, 2018 (02:00 P.M.)
Technical Bid Opening Date	16 <sup>th</sup> October, 2018 (03:00 P.M.)
Financial Bid Opening date	Shall be communicated later on
Earnest Money Deposit	<b>₹2,000/- (Rupees Two Thousand Only)</b>

The online bid both Technical Bid and Financial Bid, should be uploaded by the due date and time as per the above schedule. The responsibility to ensure the same lies with the bidders. Off-line tenders shall not be accepted and no request in this regard will be entertained whatsoever. **Online Technical Bid will be opened at 03:00 p.m. on 16<sup>th</sup> October, 2018 for technical evaluation as well as selection of technically acceptable offers.** In the second stage, the Financial Bids of only the selected and techno-commercially acceptable offers / system / equipment will be opened. Decision of the Centre, regarding selection of eligible and qualified vendors / firms for opening the Financial Bid shall be final and binding on the bidders. Bidders may be present during opening of tenders.

NSC, Delhi reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever. NSCD shall also not be bound to accept merely the lowest tender but the technical suitability, capability and superiority of the equipment / system as well as after sales service including infrastructure to render such service, etc. shall be of prime consideration for selection of the equipment /system.

## CHECK LIST

Check list of Tender No. **NSCD/18011/E-Tender - 31/18-19** for “Non-Comprehensive Annual Maintenance Contract of Digital Fire Alarm System at Kurukshetra Panorama & Science Centre, Kurukshetra”

Sl. No.	Description	Yes	No
01	Whether E-Tender uploaded on Central Public Procurement Portal of Govt. of India (i.e. Technical & Commercial) separately.		
02	Whether Tender documents carefully studied & understood.		
03	Whether Tender documents duly signed and stamped on all pages is scanned and uploaded as Part – I of the Tender in central public procurement portal.		
04	Whether Earnest Money of <b>₹2,000/-</b> submitted by online / vide Demand Draft No. .... dated..... and Scanned copy of DD uploaded as Part – I of the Tender. Please note that the original DD should be couriered /hand delivered to NSC Delhi / online payment details shall be sent to NSCD before the time of opening Technical Bid.		
05	Whether Declaration regarding Non-relation, duly signed and stamped, and scanned copy of the same uploaded as Part – I of the Tender in central public procurement portal. <b>Annexure-C</b>		
06	Whether Declaration certifying that there is no extra conditions quoted in the Offer Form duly signed and stamped, and scanned copy of the same uploaded as Part – I of the Tender in central public procurement portal. <b>Annexure-C</b>		
07	Did you visit the actual site for execution of the work before submitting the Tender		

Date:

Signature of the Tenderer

Place:

Official Seal

## General Information and Instructions

1. The instruction given herein will be strictly binding on the tenderers and deviation, if any will make the tender or tenders liable to be considered invalid. Tenders incorporating additional conditions by the tenderer are liable for rejection.
2. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app> Manual bids shall not be accepted.
3. The instruction given in “Annexure-A” for “Instruction for Online Bid Submission” should be strictly followed during submission of the Bid.
4. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
5. Bid should be submitted along with the **Earnest Money Deposit of ₹2,000/- (Rupees Two Thousand Only)** through NEFT/RTGS in the account of National Science Centre as per Annexure F or by way of crossed Demand Draft / Pay Order on any nationalized bank of India payable in favour of “**NATIONAL SCIENCE CENTRE, Payable at DELHI**”. Earnest Money deposit in the form of Bank Guarantee /Bond or any other instrument shall not be accepted and shall be rejected straightway. Earnest Money deposits in respect of such offers which are not accepted will be returned to the bidders within 30 working days from the date on which the final decision is taken about the source from which the items under tender are to be procured or within 2 (two) months from the date of the opening of the tenders, whichever is earlier. No interest will be paid on the Earnest Money deposited with the Council. Earnest Money deposit in respect of the successful bidders will be retained with the NSCD until entire execution of the order as per terms of the tender. If the successful bidder fails to execute the order strictly as per the NSCD’s specification in full or part within the stipulated delivery period of the purchase order, the Earnest Money deposit retained with the NSCD shall be forfeited forthwith after cancellation of the concerned order. In case of non-receipt of EMD, the Tenders are liable to be rejected.
6. **Validity of Bids:** The Bids should remain valid for 90 days from the date of bid opening.
7. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection. Conditional tenders will be rejected. Non-compliance of applicable General Information and Instruction will disqualify the Bid.
8. The tenderers should have Digital Signature Certificate (DSC) for filling up the Bids. The Person signing the tender documents should be authorized for submitting the on line e-tender.
9. The Financial Bid (BOQ) shall be filled in and signed by the authorized signatory online as per Proforma “Annexure-G” available at Central Public Procurement Portal e-tender system website <http://eprocure.gov.in/eprocure/app>. Off line Financial Bid shall not be accepted.
10. **Tender must be uploaded on-line in two separate sets - namely Set – 1 (Technical on Central Public Procurement Portal. The contents of Cover shall be as follows:-**

## **Set – 1**

- i) Technical (Techno-Commercial) BID duly filled-in and signed with official stamp. (as per Annexure-D)**
- ii) General Terms & Conditions (as detailed in Annexure-B) duly signed with official stamp as a token of acceptance**
- iii) Scanned Copy of the current and valid Trade License and Dealership Certificate as applicable.**
- iv) Scanned Copy of the current and valid Tax Clearance Certificate.**
- v) The ‘Declaration’ duly signed with official stamp (as detailed in Annexure-C ).**
- vi) The ‘Technical Specification’ as detailed in Annexure-E duly signed with official stamp**
- vii) Scanned copy of Demand Draft for ₹2,000/- as Earnest Money Deposit. (Original Demand Draft must be sent to the NSC, Delhi before opening of the Technical Bids)**

## **Set - 2**

- i) The Financial Bid ( as per Annexure-G) i.e. Schedule of Price Bid in the form of attached BOQ Proforma shall be duly filled in, digitally signed and uploaded online by the bidder.**

N.B. : The bidders shall consider the prevailing tax rates while quoting the rates. However, in the event of any changes in the statutory taxes and duties, the rates applicable at the time of payment shall be made by the competent authority of the NSC, Delhi against submission of supporting documentary evidence.

11. Order shall be placed in favour of the bidder whose technical bid is acceptable and offered lowest rate for overall work as per BOQ in Annexure – G.
12. The authority of National Science Centre, Delhi who does not bind themselves to accept the lowest tender and reserves the right to reject or accept any or all tenders wholly or partially without assigning and reason whatsoever.

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**TENDER No. : NSCD/18011/E-Tender - 31/18-19**

**Instructions for Online Bid Submission**

1. The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.
2. More information useful for submitting online bids on the CPP Portal may be obtained at <https://eprocure.gov.in/eprocure/app>

**REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app> ) by clicking on the link  
“**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

**SEARCHING FOR TENDER DOCUMENTS**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS /e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidders should submit the EMD as per the instructions specified in the tender document. The original instrument should be posted/couriered/given in person to the Tender processing Section at the above address, latest by the last date of bid submission. The detail of the Demand Draft / any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 4) A standard Price Schedule format (BOQ) has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the Light Blue colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 5) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### ASSISTANCE TO BIDDERS

1. Any enquiries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal helpdesk. The contact number for the helpdesk is 1800 233 7315.

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**TENDER No. : NSCD/18011/E-Tender - 31/18-19**

**GENERAL TERMS & CONDITIONS (GTC) FOR SUBMISSION OF TENDER FOR NON-COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT OF DIGITAL FIRE ALARM SYSTEM AT KURUKSHETRA PANORAMA & SCIENCE CENTRE, KURUKSHETRA**

1. Bidders should have necessary infrastructure and facilities so as to take up the above work strictly as per enclosed specifications with required financial capability.
2. Tenders which do not fulfill all or any of these conditions or are incomplete in any respect, are liable to summary rejection without assigning any reason.
3. Tenders incorporating additional conditions are liable to be rejected.
4. Before quoting the AMC charges the agency must assess the quantum of work involved after going through the work and physical inspection of the equipment / site.
5. While submitting tenders the agencies must note that there will be no revision/ increase in the tendered rate on any ground whatsoever during the entire tenure of the contract. Therefore, they should include all eventual increases in statutory liabilities while quoting their offers.
6. During the period of this contract, the Agency shall provide proper and adequate service and perform their duties diligently, honestly and to the entire satisfaction of the Centre, The Agency shall constantly keep in touch with the Center for effective performance of the contract and abide by all instruction and directives issued by the Centre in this regard.
7. The Annual Maintenance Contract should be non-comprehensive type. Parts used for replacement of defective ones will be reimbursed separately as per the rates quoted by the party. The rates of the spares once quoted by the party shall be valid for at least one year and shall not be changed under any circumstances.
8. Party shall provide monthly regular preventive maintenance service before 10<sup>th</sup> of every month and will attend breakdown calls immediately. Failure to attend a call within 3 hours of receipt of complaint and to set right the fault within 24 hours will be treated as default of the contract.
9. The Centre shall pay to the Agency nothing more than the amount as may be due under the contract terms.
10. **PRICE:**  
The rates indicated/quoted shall be inclusive of cost of materials, supply and all incidental charges to execute the work at **KURUKSHETRA PANORAMA AND SCIENCE CENTRE, PEHOWA ROAD, KURUKSHETRA - 136118**. GST and any other taxes/levies to be imposed on the rate shall be clearly mentioned. Price and rate quoted shall be firm and fixed for the entire period of execution of the order and no escalation of rate on any ground whatsoever shall be applicable.
11. The successful bidder shall submit the following documents within 3 (Three) days from the date of Placement of the order:-
  - i) Duplicate copy of the order duly signed and stamped as a token of acceptance of the order.
  - ii) Non-Judicial Stamp Paper of appropriate value for preparing the agreement governing the terms and conditions of the Contract.
  - iii) Security Deposit @ 10% of the gross value of the work order.

## 12. **PENALTY CLAUSE:-**

Delay without satisfactory justification will be calculated from the date and time of reporting the fault to the contractor. In case of delay in rectification of the fault beyond 48 hours, a penalty of Rs.100/- per day per fault on Digital Fire Alarm System will be levied.

**In case of delay in rectification of the fault beyond 7 days, the penalty of Rs.200/- per day per fault will be levied. In such an event, NSCD may get the faults rectified by third party and such cost of repairs shall have to be borne by the contractor, in addition to the penalty. In case contractor fails to pay the penalty and/or cost of the repairs (by third party) it shall be deducted from the security deposit/bill. The total penalty during the period of AMC, in each order, under this contract, shall not be more than 10% of the concerned order value. More than one half of a day shall be treated as a day.**

## 13. **PAYMENT TERMS:-**

No advance payment shall be made by the Centre on any circumstances. Payment for the AMC shall be made on quarterly basis through RTGS/NEFT/TT/etc. within **30 (Thirty)** working days from the date of receipt of pre-receipted Tax-Invoice in duplicate and on satisfactory completion of service. Invoice should be submitted indicating the Name of the Banker, IFSC Code, Account number, RTGS and Swift number of the banker, etc. for releasing e-payment to the agency.

## 14. **SECURITY DEPOSIT:**

The Security Deposit shall be 10% of the gross value of the order which is to be paid in the form Bank Draft/Banker's cheque by the tenderer drawn in favour of National Science Centre, Payable at Delhi. The Security Deposit of the successful tenderer shall be released after expiry of the Contract satisfactorily. In case the total value of order exceeds the assessed value of the work order, security deposit for the excess amount will also be deducted. No interest shall be paid on the security deposit retained with this Centre.

15. Before quoting the AMC charges the agency must assess the quantum of work involved after going through the work and physical inspection of the equipment / site.
16. The equipment to be supplied by the bidder shall conform to the technical specifications given by the Centre.
17. If it is noticed that the goods supplied do not conform to the technical specification of the order, the Centre shall have the right to reject the materials in part or full. The supplier shall be liable to replace the rejected materials within the stipulated time. Till the replacement is done, the rejected materials shall be lying at the risk, cost and responsibility of the supplier.
18. In case the bidder refuse to accept the offer after finalization or does not comply with the Clause No.11 within 03 (Three) days from the date of placement of the order as per the finalized and accepted terms & conditions and the order shall be cancelled forthwith.
19. The authorities of the National Science Centre, Delhi have the right to amend, alter or modify the terms & condition mentioned above, if necessary, from time to time.
20. The authorities of National Science Centre, who does not bind themselves to accept the lowest tender, reserves the right to reject or accept any or all tenders wholly or partially without assigning and reason whatsoever.
21. The quantities specified in the tender may be decreased or increased at the sole discretion of NSCD authorities.
22. The agencies participating in the tenders & bidding may obtain on specific request, details about the outcome of the Tender and other related details, if any.

23. All disputes and differences between the successful bidder and the Centre of any kind except quality of workmanship and materials whatever arising out of or in connection with the order on carrying out the supply (whether during the progress of the work or after their completion and whether before or after the determination, abandonment or breach of the Terms & conditions of the order) shall be referred to the sole arbitration of a person nominated by the Director General, National Council of Science Museums, whose decision in this regard will be final and binding on both the successful bidder and the Centre.

The provisions of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof and of the rules made there under for the time being in force shall apply to arbitration's proceedings under this Clause.

24. The Centre shall pay to the Agency nothing more than the amount as may be due under the contract terms.

**25. ELIGIBILITY CRITERIA:**

- a) The Agency should be in existence for over 3 years in the field of Maintenance of Fire Alarm System. The service should be of more than Rs.3.00 lakh per annum during last 3 years. Documentary proof like balance sheet & Income Tax return, etc. should be attached.
- b) The firm should have previous experience in maintenance and repair of Fire Alarm System in Govt. Organization / PSUs. / Autonomous Bodies. Provide details of AMC performed during the last three years.
- c) While quoting AMC rates, base rate for individual items per year supported with taxes (GST) etc. shall be specifically mentioned in Financial Bid.

**VALIDITY:**

26. The contract may be renewed at the discretion of the Centre on year to year basis for a maximum period of three years. However, in the event of such renewal of the contract each year, if there is any revisions in the unit price of the spares then prior approval for the revised rates of the spares have to be taken from the higher authorities of the Centre.
27. The contract can be terminated by the Centre at any time without notice in the event of gross damage to Centre's property due to agency's failure or resistant failures of the Agency in providing satisfactory service to the Centre and the decision of the Centre in this regard shall be final and binding on the Agency.
28. For reasons other than mentioned in the clause above, the contract can be terminated by either party by providing clear three months' notice in writing.

**29. DELAYS IN CONTRACTOR'S PERFORMANCE**

Delay by the Contractor in the performance of its contractual obligations regarding performance of services shall render the Contractor liable to any or all of the following sanctions:

- a) Penalty/cost of repairs as per Clause mentioned above.
- b) Forfeiture of its Security Deposit
- c) Termination of the contract for default. The termination of the contract for default shall be at risk and responsibility of the contractor.

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**DECLARATION-I**

We do hereby accept the “General Terms & Conditions” as provided by the National Science Centre along with the Tender documents for Non-Comprehensive Annual Maintenance Contract of Digital Fire Alarm System at Kurukshetra Panorama & Science Centre, Kurukshetra strictly as per the technical specifications of National Science Centre as provided along with the tender documents, in the event of placement of any order on us. The Centre shall be at liberty to cancel the order in full or in part the event of failure of any of the above declaration made by us.

Signature of the Bidder / Constituted Attorney

**DECLARATION-II**

This is to certify that I/We have no close relative as an employee of the National Council of Science Museums (close relatives means: Father, Mother, Brother, Sister, Son, Daughter and Spouse) nor any such close relatives are associated with us as proprietor/partner/share holder/ director and like.

Signature of the tenderer

Address:

Official seal with date

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**TECHNICAL (Techno-Commercial) BID**

Notes: **ALL PARTICULARS / INFORMATIONS SHOULD BE GIVEN IN THE FOLLOWING FORMAT WITH COMPLETE DETAILS.**

01. Name & Address of the Firm/Bidder :
02. Telephone Number :
- Office :
- Office at Delhi/NCR :
03. i) Background details of the firm :  
(State whether original manufacturer/direct Dealer of the manufacturer).
- ii) In case of direct dealers, submit copy of valid dealership license issued by the manufacturer.
04. State the Name of the Banker including IFSC Code :  
and Account Number of the Tenderer for releasing digital mode of payment.
05. i) Whether capable to execute the tendered item strictly as per enclosed technical specification. (Please mention 'YES' or 'NO')
- ii) If it is mentioned 'NO' above, submit detailed deviation to be made from the enclosed technical specification. :  
(Extra sheet may be attached, if required)
- iii) If it is mentioned 'YES' above submit copies :  
of product brochure (for product categories) as a proof of their statement.

06. State the Name & Address of the Manufacturer :  
whose product has been offered /quoted by the tenderer.
07. Proof of financial status of the company/audited Balance :  
Sheet for last 3 years indicating total turnover as well  
(submit documentary evidence.)
08. Whether agreed to accept 30 days credit Payment Terms. :  
(Please mention 'Yes' or 'NO')
09. Minimum time required to complete the tendered item at :  
NSC, Delhi.
10. Mention GST Registration Number and attach :  
Current valid Tax Clearance Certificate.
11. Whether agreed to execute the work as per enclosed :  
Specification (Annexure-E) failing which ready to  
absorb heavy penalty, if any order is placed on the  
bidder after observing tender procedure.  
(Please mention 'YES' or 'NO')

I/We hereby declare that the above statements are true. I/We also declare that the decision of National Science Centre, Delhi regarding selection of eligible firms for opening of Financial Bid (Part-II) shall be final and binding on me/us.

**Dated**

**Official Seal**

**Signature of the Tenderer/Constituted Attorney**

**TECHNICAL SPECIFICATIONS**

The Digital Fire Alarm System with latest technology (as per the specifications given below) consisting of the following:-

Sl.No.	Description	Qty.
A	Fire alarm main control panel 4 zone	1 No.
B	Optical smoke detector with Base/junction box	40 Nos.
C	Electronics Hooter	2 Nos.
D	1.5 sq.mm 2 core Copper armoured Cable	600 mtr.
E	2 core 1.5 sq.mm workshop flexible wire	200 mtr.
F	Battery (SMF, 12 Volt, 7 Ah)	2 Nos.

**A. DIGITAL FIRE ALARM MAIN CONTROL PANEL**

Power	220 VAC
Operating Voltage	24 Volt
Housing	MS Sheet, Powder Coating
No. of Zone	As per field requirement
Zone Monitor	Dual LED Indicators (Fire/Fault)

**Features**

1. Audio & visual indications for zone wise fire & fault
2. Zone wise sounders Signal
3. Access of keypad through manual key switch
4. Battery backup with built in charging. (Min. 30minutes backup)
5. Facility to connect auto dialer.

**System panel have the following features.**

1. Integrals-Voltmeter (DC Voltage) indication in the LCD display
2. Fully programmable via Integral Keypad.
3. Auto reset supervisory Operation.
4. Single person walk test key/self-test key.
5. Alarm verification key.
6. Real-Time Clock.
7. Minimum of 256-Event History with time & date stamp.
8. Zone Enable/Disable feature via software and switch.
9. Device technology Surface mount Technology.
10. Operation: Temperature relative humidity. As per the installation site condition.
11. LCD Display – 2X40 Character Display.
12. Possibility of on-site programming of Zone location.
13. Feature of programming security through manual key.
14. Integrated battery charger.
15. Inside battery (2X12V, 7AH) Space.
16. Fast RS 485 communication protocol.
17. Micro controller based firm alarm control panel.

18. System is compatible with the conventional type of detectors.
  19. Easy installation and operation.
  20. False alarm prevention capability.
- Following of equivalent user control keys for ease of operation:

1. Reset
2. Silence
- 3 Lamp Test

## **B. OPTICAL SMOKE DETECTOR**

### Features

1. Microcontroller based highly reliable and false alarms free
2. Technology: Photoelectric type
3. Sensitivity Adjustment Facility
4. Dual LED's for 360 Visibility
5. Large operating voltage range
6. Blinks Green in normal condition and steady Red in case of fire

### Technical Specification:-

- |   |   |
|---|---|
| 1. Operating voltage                      | 10-31De   |
| 2. Quiescent Current                      | ≤ 90 μA   |
| 3. Current Consumption at Alarm Condition | 30mA  |
| 4. Operational Temperature Range          | -0 C to +80 C operating                           |
| 5. Operational Humidity                   | =90% RH   |
| 6. Make                                   | Daksh, Siemens, Cease fire, System sensor, Apollo |

## **C. ELECTRONIC HOOTER**

- |                      |                                 |
|----------------------|---------------------------------|
| 1. Operating Voltage | 24VDC                           |
| 2. Audio             | Speaker                         |
| 3. Make              | Daksh, Agni, Apollo, Cease fire |

## **D. 2 CORE ARMoured CABLE:**

1. 2x1.5Smm
2. FRLS
3. Armoured
4. Copper cable
5. Duly ISI marker
6. Havells, polycab make

## **E. 2 CORE WORKSHOP FLEXIBLE WIRE:**

1. 2x1.5Smm
2. FRLS
3. Copper Cable
4. Duty ISI marked
5. Havells, Polycab, Plaza make

## **F. BATTERY:**

- |                     |  |
|---------------------|--|
| 1. Type             | Sealed Maintenance Free Rechargeable battery |
| 2. Rating           | 12 Volts, 7Ah                                |
| 3. Charge Parameter | constant voltage Charge                      |
| 4. Make             | Exide, Panasonic, Quante                     |



## **SCOPE OF WORK**

Non-Comprehensive Annual Maintenance contract for the maintenance of the sensors, control panels and wiring system of fire detection and alarm system.

### **Details of Equipment Detection & Alarm system installed:**

1. Zonal fire detection panels
2. Main Control panel
3. Smoke Detectors, Apollo make
4. 24 hrs. on call service at KPSC, Kurukshetra
5. Checking of relays/contacts etc. in electrical panels, control panels and battery charger.
6. Monthly equipment functionality test and fault rectification if any, sub control panels and fire detectors placed on different floors of KPSC, Kurukshetra.
7. A specified number of Security guards employed by the Centre shall have to be trained by the Agency engaged in handling the fire detection and fire alarm equipment etc. as and when require.
8. Checking and regular testing of external siren.
9. Fire safety mock drill half yearly

#### Note:

- Parts used for replacement of defective ones will be reimbursed separately as per the rates quoted by the party.
- The rates of the spares once quoted by the party shall be valid for at least one year and shall not be changed under any circumstance.
- If AMC is renewed and it there is any revision in the unit price of the quarter period of the contract.
- Quarterly payment shall be made to the party after successful completion of the quarter period of the contract.
- The amount of the buyback items would be deducted from them payment of the final quarter of AMC.
- Initially the contract would be for a period of one year. The contract may be renewed at the discretion of the Centre on year to year basis for a maximum period of further two years, if the services and performance of the agency are found to the satisfactory.

#### Special Note

- Tenderers are requested to visit the work site before quoting their rate
- It is entirely the responsibility of the Agency engaged to keep all the sensors, panels, external alarms, etc. of fire detection and alarm system in working condition and shall entirely responsible for any fire hazards.
- Cost of major spares like installation of new detectors, control panels etc. is excluded from the scope of the contract. Agencies may, however, mention the cost of major spares on per unit basis in BOQ. These costs would be valid for the period of contract for which payment may be done separately.

**ANNEXURE-F****BANK DETAILS OF NATIONAL SCIENCE CENTRE, DELHI**

Name of the Account Holder	NATIONAL SCIENCE CENTRE, DELHI
Account No.	2417101004100
Bank Name	CANARA BANK
Bank Address	6, Bhagwan Das Road, New Delhi
IFSC Code	CNRB0002417
MICR Code	110015045
Type of Account	Saving Account
Branch Code	2417
GST No.	07AAAAN2541C1Z5