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Govt. of India
 O/o. Executive Engineer (E)
 DED-71, CPWD, IARI,
 Pusa Campus,
 New Delhi-110012
 Telephone 21520120
 Email- deleee-ded71@cpwd.gov.in

NOTICE INVITING e-TENDER

NIT No: [94/ 2026-27/ DED-71 /1](#)

Name of work :- A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)

Estimated cost: - **Rs. 22,26,246/-**

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Certified that this e - NIT contains 1 to 29 Pages only.

Assistant Engineer (E) (P)

Executive Engineer (E)
 DED-71, CPWD, Pusa,
 New Delhi.

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT

Executive Engineer (E), DED-71, CPWD, Pusa, New Delhi (Ph : 01125846515, email id: ded71.cpwd@gmail.com) invites on behalf of the President of India online percentage rate bids from from specialized agencies as well as CPWD and Non CPWD Contractos who possess the necessary eligibility criteria/ experience for executing the specialized works in two bid system for the following work:-

S. No.	NIT No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of completion	Last date & time of submission of Eligibility bid/ Price bid	Time & date of opening of bid
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	94/2026-27/DED-71/1	A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)	Rs. 22,26,246/-	Rs. 44,525/- (In favour of Executive Engineer (E), Electrical Division-XI, CPWD)	1 Month	10-09-2026 Up to 15:00 Hours	Eligibility bid shall be Opened on 10-09-2026 at 15:30 Hours Price Bid shall be Opened later (Shall be intimated to eligible bidders)

1. **Contractors who fulfil the following requirements shall be eligible to apply. Joint ventures are not accepted.**

(a) Should have satisfactorily completed the works as mentioned below during the last Seven years ending last date of the month previous to one in which tenders are invited.

- i) Three similar works each of value not less than Rs. 8,90,498/- i.e. 40% of the estimated cost of Rs. 22,26,246/-

OR

- ii) Two similar works each of value not less than Rs.13,35,748/- i.e. 60% of the estimated cost of Rs. 22,26,246/-

OR

- iii) One similar works each of value not less than Rs.17,80,997/- i.e. 80% of the estimated cost of Rs. 22,26,246/-

Similar work shall mean works of “SITC of Gas-based fire Suppression System”

Note:-

- A. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of the month previous to one in which tenders are invited
- B. Should have had average annual financial turnover of **Rs. 6,67,874/-** during the immediate last three consecutive financial years ending **31.03.2026**.
- C. Should not have incurred any loss in more than two years during the last five years ending **31.03.2026**.
- D. Should have a Bank Solvency Certificate of the amount equal to **Rs. 8,90,498/-**

Or

Networth Certificate minimum **Rs. 2,22,625/-** issued by certified Chartered Accountant.

2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.
3. This information and instructions for bidder posted on website shall form part of bid document.
4. The Bid document and the terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from the website **etender.cpwd.gov.in or www.cpwd.gov.in** free of cost.

Bidders are advised to keep visiting the above-mentioned web sites from time to time (till the deadline for bid submission or/and extended date of bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.

5. The original EMD should be deposited either in the office of Executive Engineer (E), DED-71, CPWD, New Delhi inviting bids or Division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.
6. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer (E), DED-71, CPWD, New Delhi inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned document such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD (drawn in favour of **Executive Engineer (E), ED-XI**, CPWD, New Delhi) receipt for deposition of original EMD to Division office of any Executive Engineer, CPWD and other document as specified.

7. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of <https://etender.cpwd.gov.in>.
8. The intending bidder must have valid class-III digital signature certificate with encryption key (Combo type) to perform any operations/transactions on the e-tendering portal/website and the bidders should download and install the eMsigner on their system as per instruction available on download section of <https://etender.cpwd.gov.in>
9. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
10. Contractor can upload documents in the form of JPG format and PDF format
11. The intending bidder must have valid class-III digital signature to submit the bid. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
12. Certificate of Financial Turn over : At the time of submission of bid contractor may upload Affidavit
13. Certificate from CA mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of eligibility bids. There is no need to upload entire voluminous balance sheet.
14. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below/ at par on the total amount of the tender or any section /sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
15. The eligibility bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the eligibility bid shall be communicated to them at a later date.
16. The department reserves the right to reject any bid during the technical evaluation and decision of rejection of technical bid along with reasons of rejections shall be uploaded on ERP portal. The aggrieved bidder can make appeal against the decision, on ERP portal within 48 hours of uploading of decision of rejection of technical bid.
17. When bids are invited in two stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
18. When bids are invited in two Stage system following steps are to be followed.
 - i) Entire bid document related to Eligibility Criteria and financial bid are to be uploaded.
 - ii) Stage-I :- Stage I deals with eligibility criteria.
 - iii) Stage II:- Original financial bids shall be opened later. The date and time of opening of financial bid shall be intimated to the eligible bidders.

19. **List of Documents to be scanned and uploaded within the period of bid submission at “Request Bid Form” stage:-**

- (A) Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.
- (B) Copy of receipt for deposition of original EMD issued from Division office of any Executive Engineer, CPWD (In Enclosed Performa).
- (C) Copy of Certificates of Work Experience/Completion certificate certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent, clearly indicating.....Name of work, b) Scope of Work, c) Agreement No., d) Estimated Cost, e) Tendered Cost, f) Final Value of Work Done, g) Date of Start, h) Stipulated date of Completion, i) Actual date of completion, j) Nature of the Work etc. (In case some of above said details are not mentioned in the Completion certificate, the firm shall attach proof in support of above details) etc.
- (D) Copy of Certificate of financial turnover from CA.
- (E) Copy of Profit & loss account (Balance sheet)
- (F) Copy of **Bank Solvency Certificate** issued by bank as per **Form:- B or Networth Certificate** issued by certified Chartered Accountant as per **Form:- B-1**.
- (G) Copy of Affidavit [on stamp paper duly attested by notary](#) as per provisions of clause 1.2.3 of CPWD-6 for e-tendering.
- (H) GST Registration Certificate, if already obtained by the bidder. If the bidder has not obtained GST registration as applicable then he shall scan and upload following under taking along with other bid documents. “If work is awarded to me, I/We shall obtain GST registration Certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, Whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.
- (I) Copy of Valid Electrical Contractor License or undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate contractor having valid electrical license of appropriate class.
- (J) The firm shall submit an undertaking that if I will come lowest then I will submit following alongwith the performance guarantee after the acceptance of tender, an undertaking from the OEM regarding:
 - (a) Authorization certificate from OEM.
 - (b) The OEM is unconditionally support the lowest tenderer technically throughout the execution of contract as well as for guarantee/ warranty period Contract for the useful life of the system, and
 - (c) OEM provides for healthy functioning of the equipment for at least seven years from the date of execution of work.”
- (K) Copy of PAN Card.
- (L) Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence)
- (M) [Notarized Affidavit of 'Non-black listing' by CPWD/State/ Central Department/PSU/Autonomous bodies as per Affidavit-I on Rs 100/- Stamp paper](#)

[Note : All Affidavits /Undertakings should show the NIT No., and also be continuous and if it is coming in more than one page then, all the pages should have Affidavit / stamp certificate number, with signature and date on all pages](#)

RECEIPT OF DEPOSITION OF EMD

(Receipt No..... Date.....)

1. **Name of work** : A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi.
(SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)
2. NIT No : **94/2026-27/DED-71/1**
3. Estimated Cost : **Rs. 22,26,246/-**
4. Amount of Earnest Money Deposit : **Rs. 44,525/-**
5. Name of Payee : **Executive Engineer (E), Electrical Division-XI, CPWD**
6. Last date and time of submission of bids : **10-09-2026 upto 15:00 Hrs.**

(To be filled by the receiving officer)

1. Name of the Contractor :
2. Form of EMD :
3. Amount of EMD :
4. Date of Submission of EMD :
5. Name & Address of the EMD receiving office :

**Signature, Name & Designation of EMD Receiving officer
(EE/AE(P)/AE/AAO) along with office Stamp**

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 वरु-वरु-वरु] इ ल दई ल]
 उब फनयिह-110012
 वरुहकु 21520120
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 O/o. Executive Engineer (E)
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 Pusa Campus,
 New Delhi-110012
 Telephone 21520120
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No : 54 (NIT) / AB / DED-71/2026-27/

Date :-

CPWD-6 NOTICE

The Executive Engineer (E), DED-71, CPWD, IARI Pusa, New Delhi on behalf of the president of India invites online percentage rate bid from specialized agencies as well as CPWD and Non CPWD Contractors who possess the necessary eligibility criteria/ experience for executing the specialized works in two bid system . Last date and time of submission of eligibility bid/price bid **10.09.2026** at 15:00 Hrs. and date of opening of eligibility bid 10.09.2026 at 15:30 Hrs.

S.N o	NIT No/ Name of work	Estimate Cost	Earnest Money Deposit	Period of Completi on
1.	94/2026-27/DED-71/1 A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)	Rs.22,26,246 /-	Rs.44,525 /-	1 Month

The details of bid are available on "<https://etender.cpwd.gov.in>."

दक; इयद वरु; रक ०-०
 फनयिह ० | र एमय&71] द-य-कु-फो-
 इ ल उब फनयिह&12

इरुयि इरु

- 1- वरु/वरु/वरु वरु; रक] फनयिह इजेमय&7]वरु01ह0कु] उब फनयिह दक लपुका
- 2- दक; इयद वरु; रक] फुए.क एमय&4] द-य-कु-फो] इ ल उ० फन०&12A
- 3- The Executive Engineer, PVMD, CPWD, Pushpa Bhawan New Delhi for information.
- 4- इग; द वरु; रक ०-०&1/11/111 & 14] फनयिह ० | र एमय& 71] द-य-कु-फो] उब फनयिह
- 5- ; कतुक 'क[-क] फनयिह ० | र एमय&71] द-य-कु-फो] इ ल उ० फन०&12A
- 6- उरुवु चक
- 7- जदम; क] फनयिह ० | र एमय&71] द-य-कु-फो] इ ल उ० फन०&12A

दक; इयद वरु; रक ०-०

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING e-BID

(For e-tendering)

1. ~~Item rate/percentage rate bids are invited on behalf of President of India in two bid system (Eligibility bid & price bid) from specialized agencies and those of appropriate list of M.E.S, BSNL, Railways and State P.W.D. (B&R) or State Govt.'s Department (Strike out as the case may be) dealing with building and roads, if there is no state PWD (B&R) for the work of A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)~~

~~In case only the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.~~

- 1-1 The work is estimated to cost Rs. **22,26,246/-** This estimate, however, is given merely as a rough guide.

- 1-1-1 ~~The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.~~

~~For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicates the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.~~

- 1-2 Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude & nature and other requirement specified at Sl. No. 1(a) in "Information and Instructions for Bidders for E-Tendering Forming Part of Bid Document."

Criteria of eligibility for issue of bid documents:

- 1-2-1 ~~Conditions for Non-CPWD contractors only, if bids are also open to non-CPWD contractors. For works estimated to cost upto tendering limit of class I composite category Contractor (However, for Horticulture and Furniture etc discipline, it may be modified as per bidding limit of CPWD class I contractors of respective discipline as the case may be)~~

~~Three similar works each of value not less than ` Rs. .... or two similar work each of value not less than `Rs. or one similar work of value not less than ` (all figures rounded to nearest convenient figure) in last 7 years ending last previous day of last date of submission of bids.~~

Note :-

~~For works costing above tendering limit of class II Composite Category contractors but upto tendering limit of Class I composite category Contractor (However, for Horticulture and Furniture discipline, it may be modified as per bidding limit of CPWD class II and CPWD class I contractors respectively of respective discipline as the case may be) when bids are open to non-CPWD contractors also, then class II contractors of CPWD registered shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.~~

1-2-2 Criteria of eligibility for CPWD as well as non-CPWD contractors.

~~For works estimated to cost above the tendering limit of class-I composite category Contractor (However for Horticulture and Furniture discipline, it may be modified as per bidding limit of CPWD class-I contractors of respective discipline as the case may be.)~~

Three similar works each of value not less than Rs 8,90,498/- or two similar work each of value not less than Rs 13,35,748/- or one similar work of value not less than Rs 17,80,997/- in last Seven years ending last date of the month previous to one in which tenders are invited.

Similar work shall mean works of “SITC of Gas based Fire Suppression System”

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of the month previous to one in which tenders are invited. This is applicable for 1.2.1 as well 1.2.2. ~~(This is not applicable for CPWD enlisted contractor of appropriate class in Composite Category)~~

To become eligible for submission of bids, the bidders shall have to furnish an affidavit as under:-

“I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

- 1-2-3 To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-**“I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee”.** (Scanned copy to be uploaded at the time of submission of bid)”.
 2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be 1 **Month** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.

~~The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work.~~

5. The bid document consisting of terms and conditions of the contract to be complied with and other necessary documents can be seen on website **etender.cpwd.gov.in or www.cpwd.gov.in** free of cost. The Notice is also available on **www.etender.cpwd.gov.in**.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Copy of Enlistment Order and other documents as specified in the ~~press notice~~/ NIT shall be scanned and uploaded to the e-tendering website within the period of bid submission.
Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any Division of CPWD and other documents scanned and uploaded are found in order.
9. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of **Executive Engineer (E), ED-XI**, CPWD, Pusa, New Delhi.) shall be scanned and uploaded to the e-tendering website within the period of bid submission.
The original EMD should be deposited either in the office of Executive Engineer (E), DED-71, CPWD, Pusa, New Delhi inviting bids or Division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.
A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled Bank having validity for 6 months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.
10. The original EMD receiving Executive Engineer shall release the EMD to unsuccessful bidders after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier after verification from the e-tendering portal website (<https://etender.cpwd.gov.in>>closed Tender>all) that the Particular contractor is not L-1 tender and work is awarded. The tender inviting Executive Engineer will call for original EMD of the L-1 tender from EMD receiving Executive Engineer immediately.

The Bid submitted shall be opened at 15:30 Hrs. on 10-09-2026.

11. **The bid submitted shall become invalid if:**
 - (i) The bidder is found ineligible.
 - (ii) If the bidder does not deposited original EMD with Division office of **any Executive Engineer, CPWD** as stipulated in the bid document **including the copy of receipt for deposition of original EMD.**
 - (iii) If the bidder does not upload certificates of Work Experience/Completion issued by client department
 - (iv) If the bidder does not upload Certificate of financial turnover from CA
 - (v) If the bidder does not upload Profit & loss account (Balance sheet)
 - (vi) If the bidder does not upload Bank Solvency certificate as per Form:-B or Networth Certificate issued by certified Chartered Accountant as per Form:- B-1.
 - (vii) If the bidder does not upload Affidavit **on stamp paper duly attested by notary** as per provisions of clause 1.2.3 of CPWD-6 for e-tendering.
 - (viii) If the bidder does not upload Copy of GST Registration Certificate, if already obtained by the bidder. If the bidder has not obtained GST registration as applicable then he shall scan and upload following under taking along with other bid documents. "If work is awarded to me, I/We shall obtain GST registration Certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, Whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.

- (ix) If the bidder does not upload Copy of Valid Electrical Contractor License or undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate contractor having valid electrical license of appropriate class.
 - (x) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
12. The contractor whose bid is accepted will be required to furnish performance guarantee @ **5% of the Estimated Cost put to tender (ECPT) or Contract Amount whichever is higher and additional PG as per DG/Manual/2024/20, Dated:-27/02/2026** as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form.. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.
13. The description of work is as following:
 Name of work:- A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device). Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
14. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bid in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
15. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bid submitted by the contractors who resort to canvassing will be liable to rejection.
16. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
17. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer to Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near

relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

18. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
19. The bids for the work shall remain open for acceptance for a period of 75 (Seventy Five) days from the date of opening of bids in case of single bid system. Further
 - i) If any tenderer withdraws his tender or makes any modification in the terms & condition of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
20. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

20. For Composite Bids

~~20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.~~

~~20.1.2 The bid document will include following three components:~~

~~**Part A:** CPWD-6, **CPWD-7/8** including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2014 as amended/modified upto.....~~

~~**Part B:** General / specific conditions, specifications and quantities applicable to major component of the work.~~

~~**Part C:** Schedule A to F for minor component of the work. (competent authority under clause 2 and clause 5 shall be same authority as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.~~

~~20.1.3 The bidders must associate himself, with agencies as per NIT conditions.~~

~~20.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.~~

~~20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to~~

~~sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s). EE of major component will operate part A and part B of the agreement. EE/DDH in charge of minor component(s) shall operate Part C along with Part A of the agreement.~~

~~20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.~~

~~20.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.~~

~~20.1.8 The main contractor has to associate agency(s) for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer in charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer in charge of relevant component(s).~~

~~20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer in charge of relevant specialized component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer in charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.~~

~~20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into MoU/agreement with the new contractor associated by him.~~

~~20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer in charge of the discipline of minor component directly to the main contractor.~~

~~20.1.12 A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer in charge of major component after record of completion certificate of all other components.~~

~~20.1.12 B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.~~

FORM-A

AFFIDAVIT

Name of work :- A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)

NIT No: 94/DED-71/2026-27/1

I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state/Central Departments/PSUs/Autonomous bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the department then I/we shall be debarred for bidding in CPWD in future forever. Also, if such information comes to the notice of department on any day before date of start of work, the Engineer-in-charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit to be furnished on a 'Non-Judicial' stamp paper worth Rs.100/-

Signature of Bidder(s) or an authorized Officer of the firm with stamp

Signature of Notary with seal and date

FORM "B"**BANKERS' CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information that M/s./
Sh..... having marginally noted address, as a
Customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of
Rs..... (Rupees.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE

1. Bankers Certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM "B-1"

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT

It is to certify that as per the audited balance sheet and profit & loss account during the year,the Net Worth of M/s (Name & Reistered Address of individual/firm/company), as on..... (the relevant date) is Rsafter considereding all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 30% in the last three years ending on (the relevant date)

Signature of Chartered Accountant

.....

Name of Chartered Accountant

.....

Membership No. of ICAI

.....

Date and Seal

CPWD-7	CPWD
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**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

**STATE : DELHI
BRANCH: E&M**

**DIVISION :DED-71
CIRCLE : DC-7**

Percentage Rate Tender & Contract for Work

Tender for the work of:- A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)

- (i) To be uploaded at www.etender.gov.in by **15:00 Hrs. on 10-09-2026.**
- (ii) To be opened in presence of tenderers who may be present at **15:30 Hrs on 10-09-2026 in the office of The Executive Engineer (E), DED-71, CPWD, Pusa, New Delhi.**

TENDER

I/We have read and examined the notice inviting tender, schedule, A,B,C,D,E & F Specifications applicable, Drawings & Designs, General rules and Directions, Conditions of Contract of 2023 (Maintenance work) with amendments up to the last date of submission of tenders, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule “F”, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for Seventy Five (75) days from the due date of opening of bid and not to make any modifications in its term & conditions.

A sum of Rs. 44,525/- is hereby forwarded in cash/receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money.

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit

the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer in-Charge shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: #.....

Witness: #

Address: #

Occupation:#

Signature of Contractor #

Postal Address #

To be filled in by the contractor

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the President of India for a sum of Rs.....*
(Rupees.....)*

The letters referred to below shall form part of this contract agreement:-

(a)

(b)

(c)

For & on behalf of President of India

Signature

Dated:

Designation

.....

PROFORMA OF SCHEDULES**SCHEDULE 'A'**

Schedule of quantities

Attached**SCHEDULE 'D'**

Extra schedule for specific requirements /document for the work, if any - As per sheets Attached.

SCHEDULE 'E'

Reference to General Conditions of contract:- General Conditions of Contract 2023 (Maintenance works) for CPWD as amended/modified upto dt. of submission of bid

Name of Work	A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)
Estimated cost of work	Rs. 22,26,246/-
i) Earnest Money (To be returned after receiving Performance Guarantee)	Rs. 44,525/-
ii) Performance Guarantee	5% of the Estimated Cost put to tender (ECPT) or Contract Amount whichever is higher and additional PG as per DG/Manual/2024/20, Dated:-27/02/2026
iii) Security Deposit	2.5% of tendered value

SCHEDULE 'F'

(GENERAL RULES & DIRECTIONS) : Officer inviting tender: Executive Engineer (E), DED-71, CPWD, IARI, Pusa, New Delhi

Maximum percentage for quantity of items of work to be executed beyond which rates are to determined in accordance with Clauses 12.2 & 12.3:

See below**Definitions:**

2(v)	Engineer-in-Charge	Executive Engineer (E), DED-71, CPWD, IARI, Pusa, New Delhi
2(viii)	Accepting Authority	Executive Engineer (E), DED-71, CPWD, IARI, Pusa, New Delhi
2(x)	Percentage on cost of materials and Labour coverall to overheads and profits	15%

2(xi)	Standard Schedule of Rates	DSR E&M 2025 with amendments and up to date corrections, Market rate, Minimum wages as per Govt. of Delhi or Central Government.
2(xii)	Department	Central Public works Department (CPWD)
9(ii)	Standard CPWD Contract Form	GCC 2023 (Maintenance Work) for CPWD works as amended/ modified up to submission of the tender.

Clause 1

(iv)	Time allowed for submission of Performance Guarantee, programme chart (Time and progress) and applicable labour license, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof from the date of issue of letter of acceptance	7 Days
(v)	Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above.....	3 Days

Clause 2

(i)	Authority for fixing compensation under clause 2	SE,DC-7, CPWD,IARI Pusa, New Delhi.
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Clause 2A

(i)	Whether clause 2A shall be applicable	No
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Clause 5

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s) as per table given below :-	10 Days
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Sl. No.	Description of Mile Stone (Physical)	Time Allowed in days (From date of Start)	Amount to be with-held in case of non achievement of milestone
Not Applicable			

Time allowed for execution of work:

1 Month**Authority to decide:**

(i)	Authority to convey the decision of shifting of milestone and extension of time (Engineer-In-charge or Engineer-In-charge of Major component in case of composite contracts, as the case may	EE(E), DED-71, CPWD, Pusa, New Delhi.
-----	--	---------------------------------------

	be)	
(ii)	Authority to decide rescheduling of milestone and extension of time (SE/SE&PD/CE/CE&ED)	SE,DC-VII, CPWD, IARI Pusa, New Delhi.
(iii)	Shifting of date of start in case of delay in handing over of site (SE/SE&PD/CE/CE&ED)	SE,DC-VII, CPWD, IARI Pusa, New Delhi.

Proforma of Schedule Clause 5 Schedule of handing over of site.

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	100% site available	Not Applicable
Part B	Portion with encumbrances	100% site available	Not Applicable
Part C	Portion dependent on work of other agencies	100% site available	Not Applicable

Clause 6

Applicable clause 6/ Clause 6A : Clause 6

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	Rs. 10 Lakhs or decided by Engineer-In-charge
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Clause 7A

Whether clause 7A shall be applicable. Yes

Clause10A

List of testing equipment to be provided by the contractor at site lab:

--As per direction of Engineer-In-charge --

Clause 10B (ii):

Whether Clause 10 B(ii) shall be applicable No

Clause10C : Yes

(i)	Component of labour expressed as percent of value of work	15%
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Clause 10CC:

Not Applicable

Schedule of component of other materials, Labour etc. for price escalation

Component of civil (Except materials covered under Clause 10 CA) / Electrical construction

Xm.....%

value of work :-

Component of Labour-

Expressed as percent of total value of work.

Y.....%

Note:- Xm.....% should be equal to (100)- (material covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA+ Component of Labour)

Clause 11	
Specifications to be followed for execution of work	
1. Electrical works:	a) CPWD General Specifications for Electrical work Part I Internal - 2023, amended up to date.
	b) CPWD General Specifications for Electrical work Part II External -2023, amended up to date.
	c) CPWD General Specifications for Heating, Ventilation & Air-Conditioning (HVAC) - 2024, as amended up to date.
	d) CPWD General Specifications for Electrical Works Part VII D.G. Sets / Part IV Substation – 2013, amended up to date.
	e) General Specifications for Electrical Works (Part-III-LIFTS & Escalators) - 2003, amended up to date.
	f) CPWD General Specifications for Electrical Works Part VI Fire Detection and Alarm System – 2018
	g) CPWD General Specifications for Electrical Works Part V Wet Riser & Sprinkler Systems – 2023

Clause 12

Type of work:	Maintenance works including works of up-gradation, aesthetic improvement, special repair, addition / alteration etc.
The completion cost of any maintenance work shall not exceed 1.5 times of contract amount and 10% of the sanctioned cost for budgeted works. The Engineer-in-Charge shall record reasons for such deviation beyond the contract amount. Prior approval from SE/CE is required when completion cost of work is likely to go beyond 1.25 times of contract amount with recorded reasons. The powers to sanction the extra items and deviation are given in Financial Powers delegated to CPWD officers.	
Clause 12.2 & 12.3 Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work.	No Limit (as per vide no. DG/SOP/16 dated 15.02.2023)

Clause 16:

Competent Authority for deciding reduce rates

SE, DC-VII, CPWD, New Delhi.**Clause 18:**

List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As per direction of Engineer-In-charge
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Clause 19C: Authority to decide penalty for each default :

Engineer-in-charge

Clause 19D: Authority to decide penalty for each default :

Engineer-in-charge

Clause 19G: Authority to decide penalty for each default :

Engineer-in-charge

Clause 19K: Authority to decide penalty for each default :

Engineer-in-charge

Clause 25

Constitution of Dispute Redressal Committee (DRC)	
(a) Conciliator: -	ADG(RD), CPWD, New Delhi
(b) Arbitrator :-Appointing Authority	SE, Delhi Circle-7, CPWD, New Delhi
(c) Place of Arbitration: -	New Delhi

Clause 32**Requirement of Technical Representative(s) and recovery Rate:**

Cost of work(Rs. In Crores)	Requirement of Technical		Minimum Experience(Years)	Designation Technical Staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number (of Major + Minor component)			
More than 15 lac to 1.5 Crore	Graduate Engineer or Diploma Engineer	1 of major Component	2 or 5 respectively	Project Manager cum Planning/quality/site/billing Engineer	Rs. 15,000/- per month per person

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder Engineer with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holder Engineers should not exceed 50% of requirement of degree engineers.

Clause 38

- (i) (a) Schedule / statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates..... Printed by CPWD.
- (ii) (ii) Variations permissible on theoretical quantities :
- | | | |
|-----|--|---------------------------------------|
| (a) | Cement | |
| | For works with estimated cost put | |
| | To tender not more than Rs.25 lakh. | 3% plus/ minus |
| | For works with estimated cost put to | |
| | Tender more than Rs. 25 lakh.. | 2% plus/minus. |
| (b) | Bitumen All Works | 2.5% plus & only & nil on minus side. |
| (c) | Steel Reinforcement and structural steel | |
| | Sections for each diameter, section and category | 2% plus/minus |
| (d) | All other materials. | Nil |

TERMS AND CONDITIONS

1. The work shall be carried out in accordance with CPWD specification for electrical work part –I 2023 (internal), and part –II External, Part-V- Wet Riser & Sprinkler Systems – 2023, Part VI- Fire Detection and Alarm System – 2018 (as amended up to date). All installation shall comply with the requirement of Indian Electricity Rules -1956 as amended up to date and as per instruction of Engineer-in-charge.
2. All the materials to be used on the work by the contractor shall be got approved from the Engineer-in-charge or his authorized representative before use on the work. The rejected materials shall have to be replaced by the contractor at his own cost and the same should be removed from the site immediately.
3. All T&P and special T&P shall be arranged by the contractor & nothing extra shall be paid on account of this.
4. Works with bad workmanship are liable to be rejected and the same shall be rectified by the contractor for which nothing extra shall be paid.
5. The contractor is advised to visit the site before quoting this tender to apprise himself about the site environments and other conditions.
6. The contractor is bound to sign the site order book as and when required by the Engineer-in-charge and shall carry out the instructions recorded therein.
7. Any damage done to the existing building while executing the electric work should be made good to the satisfaction of the department within scope of the work for which nothing extra shall be paid. The chases, holes etc. cut in the walls and roofs should be filled within two days. All malba should be removed on the same day by using gunny bag/mats for collection of malba. All the above shall be done under the scope of work and nothing extra shall be paid on a/c of this. In case of failure to do so it will be got done by the Engineer-in-charge or his authorized representative at contractor's risk and cost.
8. All the hidden works shall be carried out in the presence of Engineer-in-charge or his authorized representative with giving sufficient prior information.
9. The contractor shall make his own arrangements for storing the materials and watch & ward at his own cost, even for the installation till the completion of the work and handing over of the building/quarters.
10. The contractor shall make his own arrangement for all general and special tools and plants required for the work at his own cost and nothing extra shall be paid on this account.
11. The work will be executed in NBPGR Pusa Campus in a manner so that no inconvenience will be to the occupant. No claim for idle labour on account of this shall be entertained under this agreement.
12. Fireman executing the work should have knowledge of executing the Gas based Aerosol work . The manpower to be deployed for special work should be other than staffs deputed for routine/running maintenance.

13. If any accident occurs during the execution of work, the firm/contractor will be responsible for all and no compensation will be paid by the Deptt.
14. Workers engaged by the contractor for execution of work shall be liability of the contractor and they will not be considered for type of regular employment in the Department, in any case.
15. The firm shall submit the Manufacturer test certificate of the equipments at the time of supply of material before installation at site.
16. The contractor is required to submit documentary evidence such as delivery challan/test report of material/bill/invoice/ for purchase of material used in work from Authorized dealer/Manufacture of the make of material mentioned in NIT, if required by the department for genuineness of material.
17. The firm shall submit the operating instruction manual of the Gas-based aerosol system.
18. All equipment shall guarantee suitable safety provisions to ensure safety operating personal at all time.
19. The contractor shall guarantee the complete system provides the specified flow and pressure under all conditions and outlets. The firm shall submit the standard certification AS 4487-2013 Condensed aerosol fire extinguishing system.
20. The system shall comply with international standard ISO 15779 : 2011, NFPA Standard NFPA 2010-2006 Condensed aerosol fire extinguishing system and all certifications shall be furnished by the tenderer.
21. The aerosol fixed fire suppression system is a pre-engineered compact, non-stored pressure, electrically actuated fixed fire protection system which extinguishes fire by using an extremely fine low settling rate chemical dry-powder plus inert gases. The powder particles are induced into the fire and quickly cause complete chemical inhibition of the fire's radical forming chain reactions.
22. The inert gases emitted by the generator are predominantly nitrogen, carbon dioxide and water vapour. At a specified minimum clearance from a nozzle opening the aerosol temperature shall not exceed 200⁰C (CEN, ISO) when in contact with combustible materials and 400⁰C (CEN, ISO) when in contract with non-combustible materials.
23. The supplied equipment of pyrotechnically generated, aerosol fixed fire suppression system includes, mounting brackets and all necessary fasteners to attach these to the generator. A weather and vibration resistant electrical connector with a plug or a junction box with electrical terminals is furnished with all generators.
24. The agency shall give minimum one year Guarantee/ Warranty or Guarantee/ Warranty as per manufacturer's norms, which ever higher, to the equipments like Gas based Fire suppression Device etc., w.e.f. the date of actual completion of the work against unsatisfactory performance and/or break down for which the agency shall submit an undertaking to the Department just after completion of work. The equipments or components, or any part thereof, so found defective during guarantee/ warranty period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done/ rectified by the Department at the risk and cost of the contractor and the amount shall be deducted from his security deposit/ any due from the Department. The decision of the Engineer-in- charge in this regard shall be final & binding on the contractor.

25. PAYMENT TERMS:

The following percentage of contract rates shall be payable against the stages of work shown herein:

Sl. No.	Stage of Work	Fire Alarm System Equipments and related items
I	After initial inspection (wherever specified) & delivery at site in good condition on pro-rata basis	70%
II	On completion of installation	20%
III	On commissioning	5%
IV	On testing and handing over	5%

26. Following preferred material to be used in work.**List of Preferred Make of Materials**

Sl.No.	Description of Item	Makes
1	Gas based fire suppression system	Pyrogen / Lehavot / FirePro / DSPA
2	All other items not covered above	As per samples approved by Engineer In-charge.

Executive Engineer(E),
DED-71, CPWD,
New Delhi.

SCHEDULE OF QUANTITY

Name of Work:- A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)

S.No	Description of Item	Qty	Unit	Rate	Amount	Remarks
1	Supply, Installation, Testing & Commissioning (SITC) of Electrical Enclosure aerosol gas based fire suppression device suitable for protection of small electrical enclosures such as Distribution Boards (DB), Electrical Control Panels and similar installed electrical equipment. • Aerosol agent: Condensed gas based fire suppression technology formerly NBC 2016 now updated to NBCS 2026/ SP 7 : 2026 Part F (NBCs-2026). • Aerosol charge: Approx. 8 g. • Module dimensions: Approx. 138 mm length × 51 mm diameter. • Weight: Approx. 18 g. • Discharge time: Approx. 15 seconds. • Protected enclosure volume: Up to 0.3 m ³ under enclosed conditions. • Expected service life: Minimum 2 years under normal indoor conditions. • Suitable for electrical fires in enclosed equipment without causing significant collateral damage when installed as recommended by manufacturer. • Housing shall be corrosion resistant metallic construction with factory sealed aerosol compound. • Activation shall be automatic through integrated thermal activation/fuse element as per manufacturer's design. • Module shall be installed securely inside the protected enclosure maintaining required clearance from live electrical parts and ventilation openings. • Installation shall include all clamps, fasteners, accessories and consumables as required for complete installation. • Testing shall include visual inspection, installation verification and submission of manufacturer's test certificate, product catalogue and installation report	66	Job	33731	2226246	AR Attached
	Total Rs.				2226246	

Assistant Engineer (E)-P

Executive Engineer (E)
DED-71, CPWD, Pusa,
New Delhi

Central Public Works Department					
NIT No: 94/2026-27/DED-71/1					
Name of work:- A/R & M/O of Elec. Services at ICAR-NBPGR, New Delhi. (SH: SITC of Gas based (Aerosol) Electrical Enclosure fire suppression device)					
SCHEDULE OF QUANTITIES					
Name of the Contractor / Company Name					
Sl.No.	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	Works as per SOQ	2226246	Select	0.00	-
	Grand Total				-