

विषय सूची (INDEX)

कार्य का नाम :- Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.

NIT No.:- **65/EE(E)/DED-301/2026-27**

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प्रमाणित किया जाता है कि इस निविदा में कुल 1 से 43 पृष्ठ हैं। (इस पृष्ठ सहित)

Certified that this N.I.T. contains 1 to 43 pages (including this page)

“NIT approved for Rs. 7,68,692/-”

**Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66**

टैन्डर नोटिस
के०लो०नि०वि०,
ई-निविदा आमन्त्रण सूचना

भारत के राष्ट्रपति की ओर से कार्यपालक अभियन्ता (वै०), दिल्ली विद्युत मंडल-301, के.लो.नि.वि., ईस्ट ब्लॉक-3, तल-6, आर.के.पुरम्, नई दिल्ली-110066, दूरभाष:-26191980, फैक्स नं०-26100054 निम्नलिखित कार्य के लिए के.लो.नि.वि. में उचित श्रेणी में **Buildings & Roads (Erstwhile Composite/Building/Infrastructure)** में पंजीकृत उपयुक्त पात्र ठेकेदारों से प्रतिशत दर ई-निविदा आवेदन आमंत्रित की जाती है।

नि.आ.सं. **65/का.अभि./दि.वै.म. -301/2026-27**, कार्य का नाम:- **Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.** अनुमानित लागत रुपये **7,68,692/-**, धरोहर राशि:- **15,374/-** एवं अनुमत्य समय: **2 माह** ऑनलाइन निविदा डालने की अंतिम तिथि व समय: **10-09-2026** को अपराह्न **15:00** बजे तक बीड खोलने की तिथि **10-09-2026** को अपराह्न **15:30** बजे तक।

इस निविदा सूचना की विस्तृत जानकारी को वेबसाइट www.etender.cpwd.gov.in से प्राप्त किया जा सकता है। प्रैस नोटिस सूचना को वेबसाइट www.cpwd.gov.in पर भी उपलब्ध है।

TENDER NOTICE

CPWD

NOTICE INVITING E-TENDERS

The Executive Engineer (E), DELHI ELECTRICAL DIVISION-301, CPWD, East Block-III, Level-VI, R.K. Puram, New Delhi-110066, 011-26191980, Fax No:- 26100054 on behalf of President of India invites Online percentage rate e-tender in single bid system from Registered contractor in CPWD in appropriate class of Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category for the following work:

NIT No. 65 / EE (E) / DED – 301 / 2026-27, Name of work:- Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi. Estimated Cost Rs. 7,68,692/-, Earnest Money:- 15,374/- and Period of Completion: 2 Months, Last Date and Time of Submission of Tender Online 10-09-2026 15:00 hrs. Date of opening of bid: 10-09-2026 15:30 hrs.

The bid forms and other details can be obtained from the website www.etender.cpwd.gov.in. The press notice is also available on www.cpwd.gov.in

Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING

The Executive Engineer (E), DED-301 (Formerly known as ED-IX, CPWD, R K Puram New Delhi. (Phone 011-26191980 e-mail: deleed9.cpwd@nic.in), invites on behalf of President of India, online percentage rate e-tender in single bid system from **Registered contractor in CPWD in appropriate class of Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category** for the following work:-

NIT No.	65 / EE (E) / DED – 301 / 2026-27
Name of work & location	Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.
Estimated cost put to tender	Rs. 7,68,692/-
Earnest Money	Rs. 15,374/-
Period of Completion	2 Months
Last date & time of submission of bids, EMD & other documents as specified in the NIT	Upto 15:00 hrs. on 10-09-2026
Time & date of opening of bid	15:30 hrs. on 10-09-2026

****To be filled up by EE(E)**

- 1. The intending bidder must read the terms and conditions of CPWD-6 carefully and eligibility criteria and experience required for specialised work as per definition of “similar work criteria as per NIT (page no.13). He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.**
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD, within the period of bid submission and upload the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks, towards EMD in favour of **Executive Engineer (E), ED-IX, CPWD, R.K. Puram, New Delhi** as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.
5. Those contractors who have not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile before hand. The necessary training materials including the videos with step to step process are available on download section of <http://etender.cpwd.gov.in>.
6. 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 bidder should download and install the eMSigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.

Assistant Engineer (E)(P)

Executive Engineer(E)

9. Contractor must ensure to quote rate of each item. The column 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 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.

(-*- to be filled by EE)

List of Documents to be scanned and uploaded within the period of bid submission:

1. Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee from any of the Commercial Banks against EMD in favour of Executive Engineer (E), ED-IX, CPWD, New Delhi.
2. Enlistment Order of the Contractor of the Buildings & Roads (erstwhile Composite / Building /Infrastructure) Category in CPWD
3. Copy of receipt for deposition of original EMD issued from Division office of any Executive Engineer, CPWD (In Enclosed Performa)

Note :- EMD is required to deposit in the office of Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi who is inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission as per CPWD Works Manual-2024 and associated SOP 2024(SOP 5/1 Para-6)

4. Copy of Certificate of Registration in GST & acknowledgment of upto date filed return of GST. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with 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 account of the work executed and/or for any action taken by CPWD or GST department in this regard".
5. The Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category contractor shall have work experience as per NIT (Page No.13 Addressable Type Fire Alarm System & upload the completion certificate of work/works required for similar work. or If the Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category contractor doesn't have work experience as per NIT (Page No.13 Fire Alarm System), then the said Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category contractor shall upload **An undertaking that if "I/We shall become the lowest tenderer then I/We shall submit the documents of Associated specialized Agencies for specialized E & M Services as per the eligibility criteria mentioned in the "SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES FOR SPECIALIZED E & M WORK (For Addressable Type Fire Alarm System & Fire Fighting System)" after acceptance of tender alongwith Performance Guarantee otherwise department shall forfeit the deposited EMD absolutely & shall reject my/our tender and debar me/us from re-tendering for this work "(Undertaking Form Enclosed Pg. 08)**
6. Valid Electrical Contractor License or undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate the contractor having valid electrical license of appropriate class. **(Undertaking Form Enclosed Pg. 07)**

7. An undertaking that “I/We have visited the site where the work to be executed and familiar with the existing installation, space constraint, modification if required for Fire Alarm System & Fire Fighting System.”. **(Undertaking Form Enclosed Pg. 09)**
8. **ERP training Certificate. (Note: The enlisted contractor will not be allowed to participate in the tendering process without uploading the certificate of ERP training w.e.f. 01.07.2024.)**
9. Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence)

Note:- The Lowest Bidder is required to produce original document on or before or at the time of submission of Performance guarantee Money which are uploaded by the bidder at the time of bid submission otherwise Performance guarantee Money shall not be accepted & EMD shall be forfeited.

**Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66**

**Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66**

Receipt of deposition of original EMD	
(Receipt No./Date.....)	
1. Name of Work:	Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.
2. NIT No.	65 / EE (E) / DED – 301 / 2026-27
3. Estimated Cost.	Rs. 7,68,692/-
4. Amount of Earnest Money Depsoit Rs.	15,374/-
5. Last date of submission of bids	10-09-2026 , upto 15:00 Hrs. (*To be filled in by NIT approving authority/ EE at the time of issue of NIT and uploaded along with NIT)
1. Name of contractor:-	-----
3. Form of EMD:-	-----
4. Amount of Earnest Money Deposit:-	-----
5. Date of submission of EMD:-	-----
Signature, Name and Designation of EMD Receiving officer (EE/AE(P)/AAO) Along with office stamp	
#To be filled in by EMD receiving EE	

Note:- 1) EMD should be in favour of Executive Engineer (E), ED-IX, CPWD, New Delhi
2) EMD is required to deposit in the office of Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi who is inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission as per CPWD Works Manual-2022 and associated SOP Provision 5/1 (Para-6)/CPWD OM No. DG/SOP/37 dated 04-05-2022). If the EMD is deposited in Sub Division office then it shall not be considered and tender shall be rejected.)
3) EMD shall be ame / issued only from the account of the bidder / tenderer submitting the bid / tender. EMD made / issued from the account other than that of the bidder / tendere submitting the bid. Shall be not be accepted. (As per CPWD OM No. DG / SOP – 2024 / 22, Dt. 23-03-2026.)

Undertaking Form

UNDERTAKING FOR ASSOCIATING VALID ELECTRICAL CONTRACTOR LICENSE HOLDER

1. Name of Work: **Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.**
2. NIT No. **65 / EE(E) / DED – 301 / 2026-27**
3. Estimated Cost. **Rs. 7,68,692/-**
4. Amount of Earnest Money Depsoit Rs. **15,374/-**
5. Last date of submission of bids **10-09-2026** upto **15:00** Hrs.

I undertake that I will either obtain valid Electrical license at the time of execution of electrical work or associate the contractor having valid Electrical license of appropriate class after acceptance of tender alongwith Performance Guarantee otherwise department shall forfeit the deposited EMD absolutely & shall reject my/our tender and debar me/us from re-tendering for this work”

Signature :-.....

Agency Name :-.....

Agency Address :-

.....

.....

Undertaking Form

UNDERTAKING FOR SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES FOR SPECIALIZED E & M WORK

1. Name of Work: **Special repair of Fire detection and Fire Alarm System at West Block 6, Air HQ, R.K. Puram, New Delhi.**
2. NIT No. **65 / EE (E) / DED- 301 / 2026-27**
3. Estimated Cost. **Rs. 7,68,692/-**
4. Amount of Earnest Money Deposit Rs. **15,374/-**
5. Last date of submission of bids 10-09-2026 up to **15:00** Hrs.

An undertaking that if “I/We shall become the lowest tenderer then I/We shall submit the documents of Associated specialized Agencies for specialized E & M Services as per the eligibility criteria mentioned in the “SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES FOR SPECIALIZED E & M WORK (For Addressable Type Fire Alarm System & Fire Fighting System)” after acceptance of tender alongwith Performance Guarantee otherwise **department shall forfeit the deposited EMD absolutely & shall reject my/our tender and debar me/us from re-tendering for this work”**

Signature :-.....

Agency Name :-.....

Agency Address :-

.....

.....

Undertaking Form

UNDERTAKING FOR VISITED THE SITE WHERE THE WORK TO BE EXECUTED AND FAMILIAR WITH THE EXISTING INSTALLATION

1. Name of Work: **Special repair of Fire detection and Fire Alarm System at West Block 6, Air HQ, R.K. Puram, New Delhi.**
2. NIT No. **65 / EE (E) / DED- 301 / 2026-27**
3. Estimated Cost. **Rs. 7,68,692/-**
4. Amount of Earnest Money Deposit Rs. **15,374/-**
5. Last date of submission of bids **10-09-2026** up to **15:00** Hrs.

An undertaking that “I/We have visited the site where the work to be executed and familiar with the existing installation, space constraint, modification if required for Fire Alarm System & Fire Fighting System”

Signature :-.....

Agency Name :-.....

Agency Address :-

.....

.....

CPWD-6

भारत सरकार **GOVERNMENT OF INDIA**
केन्द्रीय लोक निर्माण विभाग **CENTRAL PUBLIC WORKS DEPARTMENT**

निविदा आमंत्रण सूचना **NOTICE INVITING e-BID**

(ई-निविदा के लिए / For e-tendering)

1. ~~Item rate/~~ Percentage rate bids are invited on behalf of President of India from the CPWD enlisted contractors of appropriate class in **Registered contractor in CPWD in appropriate class of Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category** 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 **Special repair of Fire detection and Fire Alarm System at West Block 6, Air HQ, R.K. Puram, New Delhi.**

The enlistment of the contractors should be valid on the last date of submission of bids.

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. 7,68,692/-** This estimate, however, is given merely as a rough guide.
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 **2 Months** 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 plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.etender.cpwd.gov.in, www.cpwd.gov.in free of cost.
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. When bids are invited in three 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.
9. Earnest Money in the form of Insurance surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer (E), ED-IX, CPWD, 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-301 (Formerly known as ED-IX), CPWD, R K Puram 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.

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 Commercial 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.

- 9A The contractors registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.

The bid submitted shall be opened at 03:30 PM on 10-09-2026

10. The bid submitted shall become invalid if:
- (i) The bidder is found ineligible.
 - (ii) The bidder does not deposit Earnest Money deposit declaration proforma as per NIT.
 - (iii) The bidder does not upload all documents (including GST registration) as stipulated in the bid documents.
 - (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority.
11. The contractor whose bid is accepted, will be required to furnish 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). Where the tendered amount is less than eighty percent (80%) of the Estimate Cost put to tender (ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount 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, then EMD submitted shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited alongwith the 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 sub contractors, if any engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.
12. The description of work is as following:
- 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.

13. 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.
14. 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.
15. 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.
16. 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 gazette 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.
17. 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.
18. The bid for the works shall remain open for acceptance for a period of 30 Days from the date of opening of Eligibility/Technical/Price bid if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.
19. 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 7 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.

SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES

1. The main contractor either have the required experience or shall have to associate with other agency(s)(Joint ventures are not accepted) for the execution of the specialized work(s), who fulfills the eligibility criteria as defined below.

Experience of having successfully completed works during last seven years ending Last day of month previous to the one in which tender are invited.

Fire Alarm System

- (i) Three similar works each of financial value not less than Rs. 2,69,717/- (40% of the estimated cost of Rs 6,74,292/- of Fire Alarm System Work)
OR
- (ii) Two similar works each of financial value not less than Rs. 4,04,575/- (60% of the estimated cost of Rs. 6,74,292/- of Fire Alarm System Work)
OR
- (iii) One similar works each of financial value not less than Rs. 5,39,434/- (80% of the estimated cost of Rs. 6,74,292/- of Fire Alarm System Work)

Similar work shall mean works of **“SITC of Addressable type Fire Alarm System”**
Fire Fighting System

- (i) Three similar works each of financial value not less than Rs. 37,760/- (40% of the estimated cost of Rs 94,400/- of Fire Fighting System)
OR
- (ii) Two similar works each of financial value not less than Rs. 56,640/- (60% of the estimated cost of Rs. 94,400/- of Fire Fighting System)
OR
- (iii) One similar works each of financial value not less than Rs. 75,520/- (80% of the estimated cost of Rs. 94,400/- of Fire Fighting System)

Similar work shall mean works of **“SITC of Fire Fighting System”**

Note:- 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 day of month previous to the one in which tender is invited.

2. However the main contractor shall also be eligible to carry out himself any or all of the above specialized works without associating any specialized agency provided :-
 - i) The main agency fulfills the prescribed eligibility criteria respectively for the above specialized work(s).
The intending bidder shall upload an undertaking that if **“I/We shall become the lowest tenderer then I/We shall submit the documents of Associated specialized Agencies of the specialized E&M services as per the eligibility criteria mentioned in the special conditions of NIT for association of specialized agencies after acceptance of tender alongwith Performance Guarantee otherwise department shall forfeit the deposited EMD absolutely & shall reject my/our tender and debar me/us from re-tendering for this work”**
3. The main contractor shall have to submit documents such as self attested copies of Certificates of Work Experience/Completion issued by client department clearly indicating
 - 1.Name of work
 2. Scope of Work
 3. Agreement No.
 4. Estimated Cost

Assistant Engineer (E)(P)

Executive Engineer(E)

5. Tendered Cost
6. Final Value of Work Done
7. Date of Start
8. Stipulated date of Completion
9. Actual date of completion
10. Nature of the Work etc.

(In case some of above said details are not mentioned in the Completion certificate, the firm shall attach sample proof in support of above details), self attested copy of valid Electrical contractor license, GST registration of the proposed associated specialized agencies for verification (if required) and for approval of the department as per eligibility requirement mentioned in above condition no. 1 after acceptance of tender alongwith Performance Guarantee. Main contractor shall 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 of proposed associated specialized agencies alongwith above documents.

4. **Consent letter of such selected associated specialized agencies for association shall also be enclosed in the prescribed format as per “FORM-A – Consent Letter” and “FORM-B MOU” alongwith documents mentioned at sl.no-3 after acceptance of tender alongwith Performance Guarantee otherwise department shall forfeit the deposited EMD absolutely & shall reject my/our tender and debar me/us from re-tendering for this work”**
5. If the main contractor fails to submit all the documents of the proposed associated specialized agency(s) as mentioned at Sl No. 3 & 4 above, after acceptance of tender alongwith Performance Guarantee then department shall reject his/her tender & shall forfeit the deposited EMD absolutely & debar him from re-tendering for this work.
6. **The main contractor will submit MOU signed with the associated specialized agency as per FORM-B in shape of affidavit on stamp paper duly attested by notary in original alongwith performance Guarantee. The MOU shall be signed by both the parties" i.e. main contractor as 1st party and associated specialized Agency as 2nd party, independently for all specialized work(s).**
7. All technical discussions during currency of the contract, shall be attended by the associated specialized agencies and the main contractor.
8. The associated specialized agencies and the main contractor shall attend the site during inspection of the work by the Engineer-in-Charge or higher authority.
9. The main contractor shall be entirely responsible and answerable for all the works done by his associated specialized agency regarding their quality, adherence to the laid down specification, terms and conditions, warranty/guarantee etc as per the agreement and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.
10. In the event of the concerned Associated specialized Agency not performing satisfactorily or failure to complete the specialized works(s), the main contractor on written directions of the Engineer-in-charge, shall remove the Associated specialized Agency deployed on the work and shall submit name of new associated specialized Agency as per eligibility criteria mentioned in the NIT to execute the left over specialized work(s) without any loss of time after completion of all formalities mentioned as above .
11. Also if main contractor wants to change the associated specialized agency during the currency of the contract he shall submit name of new associated specialized Agency as per eligibility criteria mentioned in the NIT to execute the left over specialized work(s) after completion of all formalities mentioned as above.
12. The main contractor shall be responsible and liable for proper and complete execution of the all works including specialized work(s) and ensure coordination and completion of all associated specialized works.
13. Running payment for the work shall be made to the main contractor. In case main contractor fails to make the payment to the associated specialized agency(s) by him within 15 days of receipt of each running account payment then on the written complaint of any associated specialized agency(s) for such work, Engineer-in-Charge shall serve the show cause to main contractor and after considering the reply of the same he may make the payment directly to the concerned associated specialized agency(s) for the work as per the terms & conditions of the agreement/ M.O.U. drawn between main contractor and associated specialized agency(s) fixed by him, if reply of main contractor either not received or found unsatisfactory. Such payment made to the associated specialized agency(s) shall be recovered by Engineer-in-Charge from the next RA/final bill due to main contractor as the case may be.

Assistant Engineer (E)(P)

Executive Engineer(E)

Form -A

**CONSENT LETTER BETWEEN MAIN AGENCY AND ASSOCIATED
SPECIALIZED E & M WORK AGENCY (FOR EACH SPECIALIZED
WORK SEPARATELY)**

Name of work: **Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ,
R.K. Puram, New Delhi.**

1. I / We hereby give my consent to associate with M/s, for
executing the of work of (Mention specialized work(s)).
2. I / We will execute the work as per specifications and conditions of the agreement and as per
directions of the Engineer-in-Charge for the corresponding specialized work(s) till the
completion of the work.
3. I / We will be responsible for necessary action to handover the installations and for
rectification of defects and repair during the maintenance / warranty period.
4. Also I / We will employ full time technically qualified Engineer/ supervisor for the specialized
work(s) component of the work as required for the work. I/ We will attend inspection of
officers of the department as and when required.

Date:

Signature with date of Main Agency/Contractor

Signature with date of Associate
Specialized Agency

Address

Address

1. Witness with address

(From main contractor side)

2. Witness with address

(From associated agency side)

Assistant Engineer (E)(P)

Executive Engineer(E)

Form-B

MEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN MAIN AGENCY AND ASSOCIATED SPECIALIZED E & M WORK AGENCY (FOR EACH SPECIALIZED WORK SEPARATELY)

1] M/S [Name of the firm/agency with full address]

Enlistment Status

Valid Upto:

[Henceforth called the main contractor]

And

2] M/S [Name of the firm/agency with full address]

Enlistment Status

Valid Upto:

[Henceforth, called Associated specialized Agency]

For the execution of Specialized Work(s) “ **Special repair of Fire detection and Fire Alarm System at West Block 6, Air HQ, R.K. Puram, New Delhi.** as per schedule, specifications, terms and conditions of the agreement.

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto date] and the department [CPWD] can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation by the EE (E), DED-301, CPWD, East Block-3, R K Puram, New Delhi-110066. Any of us may appeal against the mediation to the CE, NDZ III, CPWD, Sewa Bhawan, New Delhi-110066. His decision shall be final and binding on both of us.

We have agreed on under:

- 1] The associated specialized agency will execute all specialized work(s) in a wholesome manner as per the terms and conditions of the agreement and as per the direction of the Engineer-in-charge.
- 2] That the Associated specialized agency has gone through the contract and has understood the scope of work required for executing the specialized work(s).
- 3] All the machinery and equipment, tools and plants, and special T&P required for the execution of the specialized work(s), as per agreement, shall be the responsibility of the associated specialized agency.
- 4] The site staff required for the specialized work(s) shall be arranged by the associated specialized agency as per the terms and conditions of the agreement.
- 5] The site order book maintained for the said work shall be signed by the authorized representative of the main contractor as well as the Associated Specialized Agency.
- 6] All the correspondence regarding the execution of the specialized work(s) shall be done by the Department with the Associated specialized agency with a copy to the main contractor. In case of non-compliance with the provisions of the agreement, the main contractor, as well as the associated agency shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR
AGENCY.

Date:

Place

SIGNATURE OF ASSOCIATED SPECIALIZED

Assistant Engineer (E)(P)

Executive Engineer(E)

On Non-Judicial Stamp Paper Of Minimum Rs. 100
(CPWD, OM No.DG/CON/311 dated 20.10.2020)
(Guarantee Offered By Bank To Cpwd In Connection With The Execution Of Contracts)

**Form of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/Security
Deposit/mobilization Advance**

1. Whereas, the **Executive Engineer (E), ED-9, R K Puram New Delhi-66.** on behalf of the President of India (hereinafter called "The Government") has invited bids under(NIT Number).....dated.....for.....(Name of work : **"Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi."** The Govt. has further agreed to accept irrevocable Bank Guarantee for Rs. (Rs..... only) valid upto.....(date)*.....as Earnest Money Deposit from.....(name and address of the contractor).....(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

- Whereas, the **Executive Engineer (E), ED-9, R K Puram New Delhi-66.** on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number.....with.....(name and address of the contractor).....(hereinafter called "the contractor") for execution of work.....(Name of work: **Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.** The Government has further agreed to accept an irrevocable bank Guarantee for Rs.....(Rupees.....only) valid upto.....(date).....as Performance Guarantee/SecurityDeposit/Mobilization Advance from the said contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.
2. We,(indicate the name of the bank).....(herein after referred to as "the Bank"), hereby undertake to pay to the Govt. an amount not exceeding Rs..... (Rs.....only) on demand by the Govt. within 10 days of the demand.
3. We,(indicate the name of the bank)..... do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Govt. stating that the amount claimed is reqd. to meet the recoveries due or likely to be due from the Said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....only)
4. We,(indicate the name of the bank)....., further undertake to pay the Govt. any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We,(indicate the name of the bank)....., further agree that the Govt. shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Govt. against the said contractor and forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Govt. or any indulgence by the Govt. to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We,(indicate the name of the bank)....., further agree that the Govt. as its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Govt. may have in relation to the contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We,(indicate the name of the bank)....., undertake not to revoke this guarantee except with the consent of the Govt. in writing.
9. This Bank Guarantee shall be valid upto.....unless extended on demand by the Govt. notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees..... Only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

DATE

WITNESS

Assistant Engineer (E)(P)

Executive Engineer(E)

1. Signature....
Name and Address

Authorized signatory
Name
Designation
Staff Code No.
Bank Seal

2. Signature....
Name And Address

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

(CPWD, OM No.DG/SOP/14 dated 20.10.2020)
(Proforma for encashment of BG to be issued 14 days before its expiry)

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
दि.वै.मं-301 आर.के.पुरम, नई दिल्ली

To

The Manager

...(Name & Address of Bank)...

.....

.....

Subject : Request for encashment of Bank Guarantee number.....dated..... for Rs.....valid up to..... towards earnest money deposit/performance guarantee/security deposit/mobilization advance (As applicable)

Name of Contractor:

Dear Sir,

The above mentioned Bank Guarantee numberdated..... is valid up to..... In terms of paragraph 2 of the said Bank Guarantee, the Govt. of India hereby demands a sum of Rs.....(Rupees.....only) payable under this Bank Guarantee since this amount is required to meet the recoveries due from.....(name of the contractor)..... The amount shall be paid latest by.....(give date).....by transfer to account number.....

The aforesaid Bank Guarantee is being sent to you through.....(name and designation).....along with this letter.

Enclosure : Bank Guarantee

Yours faithfully,
Executive Engineer (E)
DED-301, CPWD
R K Puram, New Delhi.

Copy to:.....(Name & address of the contractor).....

Assistant Engineer (E)(P)

Executive Engineer(E)

Proforma for extension of BG to be issued 30 days before its expiry)

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
दि.वै.मं-301 आर.के.पुरम, नई दिल्ली

To

The (Name and address of Contractor)...

.....
.....

Sub : Extension of Bank Guarantee numberdated..... issued by(Name of Bank).....

(Name of work: **Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.**

Agreement No.

Dear Sir,

The Bank Guarantee number.....dated..... submitted by you for the above mentioned work as security deposit/performance guarantee/mobilization advance/earnest money deposit (as applicable) is valid upto.....

The validity of the aforesaid bank guarantee needs to be extended because.....(give reasons).....

You are, therefore, requested to get the validity of the said Bank Guarantee extended upto.....and submit the same to this office within 15 days from the issue of this letter, failing which it shall be encashed without further notice.

Yours faithfully,

Yours faithfully,
Executive Engineer (E)
DED-301, CPWD
R K Puram, New Delhi.

[Note for EE(E): If extended Bank Guarantee is not received by the prescribed date, action for encashment must be initiated].

CPWD-7
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender & Contract for Works

Tender for the : Special repair of Fire detection and Fire Alarm System at West
work of Block 6,Air HQ, R.K. Puram, New Delhi.

- (i) Tender to be uploaded online by **15:00 hrs. 10-09-2026**
- (ii) The time and date of opening of the bid online in presence of tenderers who may be present at **15:30 hrs. 10-09-2026** in the office of **The Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.**

T E N D E R

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, 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 of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for ...30... days from the due date of its opening in case of single bid system ~~or 75 (Seventy Five) days from the date of opening of Technical bid in case tenders are invited on two /three bid system for specialized work~~ and not to make any modification in its terms and conditions..

A sum of Rs. 15,374/- is hereby forwarded in Insurance surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee (for balance amount as prescribed) issued by any of the Commerical Banks as earnest money.

A copy of earnest money in Insurance surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee (for balance amount as prescribed) issued by any of the Commerical Banks 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, 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 performance guarantee as aforesaid I/We shall be debarred for participation in the retendering 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 debar for tendering in CPWD.

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 authorised to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated

Signature of the Contractor

Postal Address -----

Telephone No. -----

FAX -----

E-MAIL -----

Witness: -----

Address: -----

Occupation: -----

स्वीकृति
ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and 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 the President of India

Dated _____

Signature_____

Designation _____

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per PWD-3) - (As per Schedule Attached)

SCHEDULE 'D'

Extra schedule for specific requirements/documents for the work, if any. Nil

SCHEDULE 'E'

Reference to General Conditions of contract (GCC-EPC Project-2022/ GCC-Maintenance work-2023/ GCC-Construction work-2023)	:	General conditions of contract for Maintenance Work - 2023 as modified and corrected up to previous day of last day of submission of tender).
Name of Work	:	Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ, R.K. Puram, New Delhi.
Estimated cost of work	:	Rs. 7,68,692/-
(i) Earnest Money	:	Rs. 15,374/- (to be returned after receiving of performance guarantee)
(ii) Performance Guarantee	:	A) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher) B) Where the tendered amount is less than eighty percent (80%) of the Estimate Cost put to tender (ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii) Security Deposit	:	2.5% of tendered value of the work to be deducted from each R/A Bill.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS :

Officer inviting tender : **Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.**

Definitions

2(v) Engineer -in- Charge : **Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.**

2(viii) Accepting Authority : **Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.**

2(x) Percentage on cost of materials and Labour to cover all overheads and profits :

15%

2(xi) Standard Schedule of Rates : **Based on Current Minimum Wages of labour of Central Govt., Market Rates & DSR-2025**

2(xii) Department : **Central Public Works Department.**

9(ii) Standard CPWD Contract Form GCC 2023, CPWD Form 7/8 as modified & corrected up to previous day of last day of submission of tender). : **GCC Maintenance Work -2023 & CPWD Form 7 corrected upto date of submission of Tender**

Clause 1

(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and : **7 Days**

Assistant Engineer (E)(P)

Executive Engineer(E)

applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance.

- (ii) Maximum allowable extension with late fee @ 0.1% per day of : **3 Days**
Performance Guarantee amount beyond the period provided in (i) above

Clause 2

Authority for fixing compensation : **Chief Engineer, NDZ – III, CPWD Sewa Bhawan, R.K.Puram, New Delhi.**
under **Clause- 2**

Clause 2A

Applicable Clause 2A : **No**

Clause 5

Number of days from the date of issue : **10 days**
of letter of acceptance for reckoning date of start Mile stone(s) as per table given below.

S.No.	Description of milestone (Physical)	Time allowed in days (from date of start)	Amount to be with held in case of non achievement of milestone (of agreement amount)
Nil			

Time allowed for execution of work : **2 Months**

Authority to decide

- (i) Authority to convey the decision of shifting of milestone and extension of time : **Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.**

- (ii) Authority to decide rescheduling of milestone and extension of time. : **Chief Engineer, N.D.Z. – III, Sewa Bhawan, CPWD, R K Puram, New Delhi.**

- (iii) Shifting of date of start in case of delay in handing over of site : **Chief Engineer, N.D.Z. – III, Sewa Bhawan, CPWD, R K Puram, New Delhi.**

PROFORMA OF SCHEDULES 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		
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

Clause 6 : CMB/EMB : **EMB**

Clause 7 : Gross work to be done : As per Mutually Agree together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.

Clause 7A: Whether clause 7A shall be applicable : Yes

Clause 10A

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

1...Earth Tester..... 2 ..Meggar... 3.... Clamp.Meter.....

----- As per direction of Engineer-in-charge -----

Clause 10B (ii)

Whether **Clause 10 B (ii)** shall be applicable : **No**

Clause 10C :
Component of labour expressed as percent : **15%**
of value of work

Clause 10 CC
Schedule of component of other **Not Applicable**
Materials, Labour etc. for price escalation

Component of Electrical Material **Not Applicable**
expressed as percentage of total value of
work.

Component of of Labour :
Expressed as percentage of total value of
work.

Clause 11

Specifications to be followed for execution of work : CPWD General Specifications for Electrical Works: Part I (Internal) 2013, Part II (External) 1994, Part V (Wet Riser & Sprinkler system) 2020, amended upto date & as per Terms & conditions attached.

Clause 12 Type of work		Maintenance work
12.2. & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for this work	:	N.A. (All the deviated quantity shall be paid at agreement rate)
12.5 (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth ii) Deviation Limit for items mentioned in earth Work subead of DSR and related work	: :	As per CPWD Work / GCC
Clause 16		
Competent Authority for deciding reduced rates	:	Chief Engineer (NDZ III), CPWD, Sewa Bhawan, New Delhi

Assistant Engineer (E)(P)

Executive Engineer(E)

Clause 18		
List of mandatory machinery, tools & plants to be deployed by the contractor at site		
1- Ladder	2- Spanner Set	3- Screw Driver Set
4- Test Lamp	5 Plier	
----- As per direction of Engineer-in-charge -----		

Clause 19 C: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 19D: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 19G: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 19K: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 25

Settlement of Disputes by Conciliation and Arbitration:	Conciliator	ADG (DR), CPWD, New Delhi
	Arbitrator Appointing authority	Chief Engineer, NDZ-III, CPWD, New Delhi
	Place of Arbitration	New Delhi

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

S. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical /Technical Representative)	Minimum experience (years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
Nil							

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 2025 printed by C.P.W.D. | N.A. |
| (ii) | Variations permissible on theoretical quantities:
Cement For works with estimated cost put to bid not more than Rs. 25 lakh.
For works with estimated cost put to bid more than Rs.25 lakh | N.A.
N.A. |
| b) | Bitumen for all works. | N.A. |
| c) | Steel Reinforcement and structural steel sections for each diameter, section and category. | N.A. |
| d) | All other materials. | N.A. |

Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

Assistant Engineer (E)(P)

Executive Engineer(E)

GENERAL, TECHNICAL, COMMERCIAL CONDITIONS

1. Introduction

These conditions are intended to amplify the General Conditions of Contract, and shall be read in conjunction with the same. For any discrepancy between the General Conditions and these Special Conditions, the more stringent shall apply.

2 Related Documents

These additional specifications are to be read in conjunction with the specification given in the tender. In case any item/ items or part thereof are not covered under these specifications, the same shall be carried out as per relevant part of the **CPWD General Specification for Electrical Works Part-I, Internal-2023, Part-II External-2023, Fire Fighting & Fire Alarm System** as amended upto dates, relevant electricity act BIS/IEC and as per direction of Engineer –in - Charge. These additional specifications are to be read in conjunction with above and in case of variations ; specifications given in this additional condition shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work. In case of discrepancy among the specifications/conditions as mentioned above the precedence given in general condition of contract shall be followed.

3 Site Information

The tenderer should, in his own interest, visit the site and familiarize himself with the site conditions before tendering. For any clarification, tenderer may discuss with the Engineer-in-Charge.

4 Conformity With Statutory Acts, Rules, Standards And Code

- (i) All components shall conform to relevant Indian Standard Specifications, wherever existing, amended to date.
- (ii) All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 2023 and Indian Electricity Rules, 1956 amended to date. They shall also conform to CPWD General Specifications for Electrical works, Part-I: Internal, 2023 and Part-II: External, 2023 as amended to date.
- (iii) All components shall conform to Energy Conservation Building Code 2007 of India as amended or revised up to date.

5 Safety Codes And Labour Regulations

- (i) In respect of all labour employed directly or indirectly on the work for the performance of the air conditioning contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S recommendations, factory act, workman's compensation act, CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the tenderer liable for penalty as provided in the labour laws/ GCC for each violation. In addition the Engineer-in-charge shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.
- (ii) The contractor shall provide necessary barriers, warning signals and other safety measures while laying pipelines, ducts cables etc. or wherever necessary so as to avoid accident. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Contractor shall be

- liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.
- (iii) Contractor has to provide uniform for the workers for both the seasons and instruct the labour to always in uniform while performing the duty. If any worker found without uniform the penalty of Rs. 200/- for each occasion will be imposed and amount will be recovered from the bill.
- 6 Works to be done by the contractor
- (i) Making good all damages caused to the structure during installation and restoring the same to their original finish.
 - (ii) Minor building work necessary for installation of equipments, making opening in the wall/floors/slabs/tables or modifications in the existing openings wherever provided and restoring the same to their original condition/ finish and necessary grouting etc. as required. Opening in the slab/retaining walls/brick wall etc. shall be made by means of core cutting machines only.
 - (iii) Sealing of all floors lab / wall openings provided by the Department or made by the contractor for laying cables from fire safety points of view.
 - (iv) Suspenders, brackets and floor/wall supports for suspending/supporting cable tray, cables etc.
 - (v) Removal & disposal of all the malba/ debris occurs during the execution of work from the site.
- 7 Rates
- The rate quoted by bidder, shall be firm and inclusive of all taxes (including GST), duties and levies and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site including temporary constructional storage, risks, overhead charges, general liabilities/obligation etc.
- 8 Acceptable Makes
- The acceptable makes of the various equipments/ components/ accessories have been indicated in "Acceptable Makes" annexed with this document. The bidders shall work out the cost of the offers on this basis. Alternate make/ model is not acceptable.
- 9 Machinery for Erection
- All tools and tackles required for unloading / handling of equipments and materials at site, their assembly, erection, testing and commissioning shall be the responsibility of the contractor.
- 10 Completeness of the tender, submission of programme, approval of drawings and commencement of work.
- (i) **Completeness of the tender**
All sundry equipments, fittings, assemblies, accessories, hardware items, gaskets, and associated items, supports, termination lugs for electrical connections, cable glands, junction boxes and all other items which are useful and necessary for proper assembly and efficient working of the various equipments and components of the work shall be deemed to have been included in the tender, irrespective of the fact whether such items are specifically mentioned in the tender or not.
 - (ii) **Submission of Name of workers and supervisor etc.**
The contractor shall submit the name, IDs and credentials of all workers

and staff to be deployed by them at site to the Engineer-in-Charge for approval before start of work OR 10 days prior from date of start.

11 Extent of Work

The work comprises of entire labour including supervision and all material necessary to meet a complete installation and such tests and adjustment and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by the specification but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in detail in the tender documents in connection with this contract. Further, it is clarified that nothing extra will be paid on account of following works which are required for completion of work.

- a) Making suitable opening in ceiling/ wall for laying/replacement of fire pipe line including fixing/replacement of valves and other associate accessories and repairing the same.
- b) Making arrangement for watch & Ward till its handover to client department.
- c) Contractor has to provide technical assistance and when required for approval.

12 Compliance with Regulations and Indian Standards:

- (i) All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:
- (ii) Factories Act.
- (iii) Indian Electricity Rules.
- (iv) B.I.S. & other standards as applicable.
- (v) Workmen's compensation Act.

13 Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

14 Co-Ordination with other agencies

The contractor shall co-ordinate with all other agencies involved in the work so that the work of other agencies is not hampered due to delay in his work. Ducting, piping, cabling or any other work, which directly affect the progress of building work, shall be given priority.

15 Quality of materials and workmanship

- (i) The components of the installation shall be of such design so as to satisfactorily function under all conditions of operation.
- (ii) All equipments and materials to be used in work shall be manufactured in

- factories of good repute having excellent track record of quality manufacturing, performance and proper after sales service.
- (iii) None of the equipment/ machines supplied shall be more than Twelve months old from date of supply at site, Copy of Excise Gate Pass/Invoice/ Shipment /Custom Clearance certificate/ details (in case of Imported equipments) shall be submitted to prove the date of manufacture& genuineness of the equipments/ machines supplied.
- 16 Care of the building
Care shall be taken by the contractor during execution of the work to avoid damage to the building. He shall be responsible for repairing all such damages and restoring the same to the original finish at his cost. He shall also remove all unwanted and waste materials arising out of the installation from the site of work from time to time.
- 17 Inspection and testing
All the material purchased by the contractor shall not be more than three months before award of work. Proof of purchasing from such authorised source like copy of bill/challan etc. shall be submitted to the department before claiming on account bill for payments.
- 18 Final Inspection & Testing
Final Inspection & testing will be done by the Engineer-in-Charge or his representative as per details indicated in CPWD Specifications.
- 19 Safety measures
All equipments shall incorporate suitable safety provisions to ensure safety of the operating personnel at all times. The initial and final inspection reports shall bring out explicitly the safety provisions incorporated in each equipment.
- 20 The firm shall have to obtain necessary Security Passes/Entry Passes by doing all necessary formalities before start of work. The department will only assist for the same.
- 21 Any delay at the end of agency on account of obtaining passes shall not be entertained for extension of time for the work.
- 22 No claim shall be entertained by the department if any accident occurs during currency of this contract. The contractor has to arrange and provide to his workmen, all safety devices and observe all precaution to avoid any accident. The contractor shall be totally responsible for safety of their workman deployed at site.
- 23 The Contractor has to submit proof like copy of challan/bill etc for purchasing the material from genuine source/ authorized dealer / manufacturer without any hiding / omitting.
- 24 The contractor shall hand over inventory after completion of the contract the firm.
- 25 All the Nominal Tools and other T&P required for this work shall be arranged by the contractor at his own cost.
- 26 The department reserves the right to terminate the contract before the expiry of contract without assigning any reason and also to exclude any item of NIT while awarding the work without assigning any reason thereof.
- 27 The payment shall be made on submission of bills by the contractor in compliance to conditions of agreement on mutually agreed basis.
- 28 If any quantity deviation in the agreement items based on the design at the time of execution of work, agency has to execute the deviated quantity items within the agreement rate only.
- 29 The agency shall visit the site and acquaint the quantum and nature of work before quoting the rates. The rates quoted shall be inclusive of GST, Transportation, Commissioning etc., and nothing extra shall be paid on any account.
- 30 If there is any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following

order of preference shall be followed:

- a. Schedule of quantities
- b. Additional and Commercial Conditions
- c. Technical specifications specified in the tender
- d. General Conditions of Contract for CPWD Works
- e. Drawings
- f. CPWD General Specifications
- g. Relevant IS or any other International code in case I S code is not available.

- 31 No T&P shall be issued to the agency by deptt.
- 32 No advance payment shall be made.
- 33 All the materials, used by the contractor should be got approved from the Engineer- in-Charge or his authorized representative before installation. No payment will be made for any unapproved or sub-standard materials used on the work. Rejected Materials should be removed from the site of work within 48 hours, by the contractor.
- 34 Department will not provide the store to the agency and watch and ward of materials will be responsibility of contractor till completion/ hand over to the client department.
- 35 The rates quoted should be firm & inclusive of GST & all taxes. Duties & Levies, work contract tax, Transit Insurance. Transportation of Material to the site of work, loading, unloading shifting to location of work etc., no escalation in quoted rates shall be permitted for any reason whatsoever.
- 36 The contractor shall be solely responsible for any accident during execution of work & should take all preventive & safety measures. The department shall not be responsible in this respect for any lapse on the contractor part.
- 37 The contractor shall be liable and responsible for any kind of litigation in the court of law during execution of work, and any compensation there to has to be born by the contractor and the department shall not be involved in anyway.
- 38 The dismantled material (if any) other than credit item shall be returned back to the department at JE (E)'s store by the contractor, for which nothing extra shall be paid.
- 39 The contractor has to work in restricted area and in restricted time due to security reasons. He shall be bound by the instructions of security staff and Engineer-in-Charge in this respect.
- 40 The models and makes shall be decided by the Engineer-In-Charge at site and to be got approved before execution of work.
- 41 Any damage done to the building or existing installations during period, shall have to be made good by the contractor at his own cost.
- 42 The operator has to upkeep the machinery /switch board and entire system properly neat and clean out for which no extra payment would be made.
- 43 Agency has to submit the letter for makes of material approval immediately and place the order as early as possible to complete the work within a time limit.
- 44 If the employee of the contractor goes to court or any other legal authorities etc. in or anywhere in India at any time in connection to this contract the department shall not be made a party of it in any way the employee of the contractor/ or by the contractor himself. This fact should be clearly and legally told to all the employees by the contractor and the contractor shall be fully responsible for all losses/ damages/ misconduct etc. arises on this account. No claim of any staff deployed by the contractor, for absorption in govt. job shall be entertained.
- 45 The contractor shall be solely responsible for any accident during execution of work & should take all preventive & safety measures. The department shall not be responsible in this respect for any lapse on the contractor part.

- 46 The rates quoted should be firm & inclusive of GST & all taxes. Duties & Levies, work contract tax, Transit Insurance. Transportation of Material to the site of work, loading, unloading shifting to location of work etc., no escalation in quoted rates shall be permitted for any reason whatsoever.
- 47 The watch and ward of the materials installed will be the responsibility of the contractor till handing over to the department on completion of work.
- 48 Department will not provide the store to the agency and watch and ward of materials will be responsibility of contractor till completion / hand over to the client department.
- 49 Safety of the staff deployed will be the responsibility of the contractor who must ensure the safety of the staff adequately, as per CPWD safety rules. Govt. /CPWD will not be responsible for any mishap, injury accident or death of the staff. No claim in this regard shall be entertained/accepted by the department.
- 50 Required for the work shall have to be arranged by the contractor. No T & P shall be issued by the department.
- 51 Order of Preference:
There should be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed: a. Schedule of quantities b. Additional and Commercial Conditions c. Technical specifications specified in the tender d. General Conditions of Contract for CPWD Works e. Drawings f. CPWD General Specifications g. Relevant IS or any other International code in case IS code is not available.
- 52 The contractor shall pay to his staff not less than minimum wages approved by the Government of India from time to time.
- 53 The tenderer should in his own interest visit the site and get familiarized with the site conditions before tendering.
- 54 The contractor shall quote the rate which shall be inclusive all taxes, and welfare benefits payable to the workers etc. and nothing shall be paid extra on this account. Any type of conditional offer shall be summarily rejected.

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GENERAL, TECHNICAL, COMMERCIAL CONDITIONS FOR FIRE FIGHTING
DOWNCOMER SYSTEM

1 LOCATION

The work is to be executed in **West Block 6, RK Puram, New Delhi**. The Contractor is advised to visit the site before submission of their tender and ensure that equipment being offered by them shall be accommodated in the spaces available.

2 ACCEPTABLE MAKES

The acceptable make of various equipment are indicated in the list attached. Alternative or equivalent makes will not be accepted.

3 .TIME OF COMPLETION

The entire work shall be completed within the stipulated time of completion. The time when the materials are to be supplied is given in the milestones/Annexure.

4. QUALITY OF MATERIALS AND WORKMEN SHIP

4.1 The components of the installation shall be of such designs so as to satisfactorily function under all conditions of operation.

4.2 The entire work of manufacture/fabrication, assembly, and installation shall conform to sound engineering practice.

4.3 All equipment and materials to be used in the work shall be manufactured in factories of good repute, having an excellent track record of quality, manufacturing performance, and proper after-sales service. Satisfactory operation during the maintenance period.

4.4 The BOQ is comprised of all the items necessary for making provisions of above mentioned fire fighting installations as per the provisions laid in NBC – 2016. However any discrepancy in the BOQ /Specifications noted by the participating bidder shall be brought into the notice of the Department during pre-bid conference otherwise it is construed that tender BOQ/Specifications are acceptable in toto to the participating bidder.

4.5 The contractor will make his own arrangements for transportation of his materials upto the site of work, the security and watch and ward of the materials brought at site and the electrical installation executed by him shall be his responsibility till the work as a whole is completed and handed over to the department.

4.6 Any damage done to the building or installation during the execution of work shall be made good by the contractor free of cost. In the event of his failure to do so, the same shall be got rectified through another agency at his risk and cost.

4.7 The contractor or his authorized representative will have to sign site order book to acknowledge the instruction issued by Engineer-in-Charge or his authorized representative for all matters relating to the execution of work. The instructions noted in the site order book shall have to be complied with in reasonable time as decided by the Engineer-in-Charge.

4.8 The work shall be carried out in accordance with the following relevant and applicable codes amended up to date, and to the best available standards of engineering practice, design, and workmanship.

5. Items of BOQ & Technical Specifications of the Agreement, CPWD General Specifications for Electrical Works: Part V (Wet Riser & Sprinkler System) 2020.

Indian Standards Specifications by BIS, IS Code

National Building Code 2016

Indian Electricity Rules & Statutory Regulations.

TAC Regulations

6. Local Fire Authority Regulations.

Nothing extra shall be paid for executing the work as per these specifications/codes. The material having ISI mark shall have precedence over the one conforming to IS specifications. In case of any discrepancy in the description of any item in the schedule of quantities and the specifications/code, or if the specifications of any of the items are not available, the decision of the Engineering-In-Charge or his authorized representative shall be final and binding, and the work shall be executed in the manner as may be prescribed by him.

7. Execution

7.1 The contractor shall depute well-experienced/ skilled Engineer/ Supervisor/ Foreman and licensed wireman/ electrician for the execution of work. The Engineer-in-Charge reserves the right to reject/remove any person who is not suitable/fit in his opinion

7.2 The work shall be executed in well-planned & engineered like manner. Poor/Bad workmanship shall not be accepted. The same shall be redone as per the directions of the Engineer-in-Charge, for which no extra payment shall be made.

7.3 The substandard work, if any, shall not be accepted or measured unless approved by the competent authority.

7.4 The rates of any extra/substituted/deviated items of work shall be derived by the Department as per the provisions in the agreement or as decided by the Engineer-in-Charge, and the same shall be binding and acceptable to the contractor.

8. The Engineer-in-Charge reserves the right to recover any part/item not executed due to site requirements, etc. The rates of such items shall be derived by the Department as per the provisions in the agreement or decided by the Engineer-in-Charge, and shall be binding and acceptable to the contractor.

9. Completion & Guarantee

9.1 The completion of the work shall be certified by the competent authority of the department. Any defects, if any, shall have to be rectified to the entire satisfaction of the competent authority.

9.2 The contractor shall stand guarantee/warranty for a period of at least 12 months from the date of completion of work or after taking over the installations by the department, whichever is later, against any manufacturing defect in material, unsatisfactory performance/working of system/installation, and/or breakdown due to defective design or workmanship.

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9.3 The material/equipment/installation found defective shall be replaced/repaired free of cost to the satisfaction of the Engineer-in-Charge. Delay in rectification/replacement shall not be accepted. The department reserves the right to have it rectified at the risk and cost of the contractor. The decision of the Engineer-in-Charge shall be final and binding on the contractor.

9.4 The contractor must carry out routine inspection/testing as per the manufacturer's recommendations or as decided by the Engineer-in-Charge during the guarantee period. They must also attend to any defects occurring during this period. A sufficient number of trained and experienced staff shall be made available to address any exigency/emergency at the site of work during the guarantee period.

The contractor shall provide the following drawings for approval of Engineer-in-Charge before commencement of supply/fabrication.

10. Schematic diagram of complete wet riser and sprinkler system

General layout-Plans of Pumps on terrace, Layout plans of internal hydrants and external yard hydrants Plumbing drawings showing the layout of entire piping, diameter and length, valves and accessories, plumbing connections, etc. Any other drawing the Engineer-in-Charge may deem fit.

11. Works to be arranged by the department

Unless otherwise specified in the tender document, the following works shall be arranged by the department.

Vacant space for accommodating all the equipment and components involved in the work.

12. Works to be done by the contractor

12.1 Unless otherwise mentioned in the tender document, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost, whether specifically indicated in the schedule of work or not

12.2 Foundation for equipments including foundation bolts and vibration isolation springs and pads.

12.3 Suspenders, brackets, and floor/wall supports for suspending/supporting pipes/cable trays.

12.4 Excavation and refilling of trenches in soil wherever the pipes are to be laid directly in ground, including base treatment and supports.

12.5 Sealing of all floors/slabs/wall openings provided by the department or made by the contractor for pipes and cables from a fire safety point of view, after laying of the same.

12.6 Painting of all exposed metal surfaces of equipment and components with appropriate color. Making openings in the walls/floors/slabs or modifications in the existing openings wherever provided for carrying pipelines, cables, etc.

12.7 All electrical works including cables/wires, earthing, etc., beyond power supply made available by the department.

12.8 Making good all damages caused to the structure during installation and restoring the same to their original finish.

TECHNICAL SPECIFICATION FOR FIRE FIGHTING DOWN COMER SYSTEM

Scope of Work

1. Hose reel equipment:-First aid hose reel equipment shall comprise of reel with hand control valve, hose reel tubing, and hose guide fixing bracket and nozzle. The fixing bracket shall be swinging type for normal mounting. The equipment shall conform to IS 884 – as amended up to date. The hose size shall be 20mm dia. Length of the hose shall be not less than 40.0 mtr. Each hose reel shall be fitted with necessary engraved operating instructions on the assembly.
2. Hose Cabinet:- A standard hose cabinet or wall box fabricated out of GI/CRCA powder coated sheet not less than 2 mm thick to accommodate the hose pipe reels, branch pipe and nozzle, lockable having central opening glazed doors shall be fitted at each landing on all floor and External yard hydrants. Hose boxes, etc shall be painted with bright "Post office "red.
3. COMMISSIONING: As soon as the work is complete, the system shall be commissioned and made available for use in accordance with Para below.
4. All leaks and defects in different joints noticed during the testing and before commissioning shall be rectified to the satisfaction of the Engineer-in-charge.
5. DETAILED PARTICULARS AND REQUIREMENTS SCOPE

This Annexure covers detailed particulars and requirements for supply, installation, testing, and commissioning of wet riser (requirements and equipment).

Commercial Conditions

1 Completeness of Tender

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not and nothing extra is payable on this account.

2 Intent of Specifications

The work shall be carried out in accordance with the following relevant & applicable codes amended up to date, and to the best available standards of engineering practice, design & workmanship.

- a) Schedule of quantities & Technical Specifications of the Agreement,
- b) CPWD General Specifications for Electrical Works: Part I (Internal) 2013, Part II (External) 1994, Part V (Wet Riser & Sprinkler system) 2020 as amended upto date.
- c) Indian Standards Specifications by BIS, IS Code
- d) National Building Code 2016
- e) Indian Electricity Rules & Statutory Regulations.
- f) TAC Regulations
- g) Local Fire Authority Regulations.

- 3 Nothing extra shall be paid for executing the work as per these specifications/ codes. The material having ISI mark shall have precedence over the one confirming to IS
- Assistant Engineer (E)(P) Executive Engineer(E)

Specifications. In case of any discrepancy in the description of any item in the schedule of quantities and the specifications/ code, or if the specifications of any of the items are not available, the decision of the Engineering-Charge or his authorized representative shall be final and binding and work shall be executed in the manner as may be prescribed by him.

4 Execution

- i. The contractor shall depute well experienced / skilled Engineer / Supervisor / Foreman & licensed wireman / electrician for execution of work. The Engineer-in-Charge reserves the right to reject/remove any person which is not suitable/ fit in his opinion.
- ii. The work shall be executed in well planned & engineered like manner. Poor/Bad workmanship shall not be accepted. The same shall be redone as per the directions of the Engineer-in-Charge, for which no extra payment shall be made.
- iii. No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

5 CARE OF THE BUILDING

Care shall be taken by the contractor during execution of the work to avoid damage to the building. He shall be responsible for repairing all such damages and restoring the same to the original finish at his cost. He shall also remove all unwanted and waste materials arising out of the installation from the site of work from time to time.

6 COLOUR SCHEME FOR THE EQUIPMENT AND COMPONENTS

- i. The entire metal work above ground level shall be painted with red color shade No.536 of IS:5 .
- ii. Pumps & motor shall be painted with red color shade No.536 of IS:5

7 INSPECTION AND TESTING

7.1 INITIAL INSPECTION AND TESTING

- a) Initial inspection of materials and equipment at manufacturer's works may be done by the Engineer-in-Charge or his representative. For item/ equipment requiring initial inspection at manufacturer's works, the contractor will intimate the date of testing of equipment at the manufacturer's works before dispatch. The contractor shall give sufficient advance notice regarding the dates proposed for such tests to the department's representative(s) to facilitate his presence during testing . The Engineer-in-charge at the discretion may witness such testing . Equipment will be inspected at the manufacturer/ authorized dealer's premises, before dispatch to the site by the contractor .
- b) The department also reserves the right to inspect the fabrication job at factory and the successful tenderer has to make arrangements for the same.
- c) The materials duly inspected by Engineer-in-Charge or his authorized representative shall be dispatched to site by the contractor.
- d) No additional payment shall be made to the contractor for initial inspection/testing at the manufacturer's works by the representative of the Engineer-in-Charge. However , the department will bear the expenses of its representative deputed for

- carrying out initial inspection/testing.
- e) Copies of all documents of routine and type test certificates of the equipment carried out at the manufacturer's premises shall be furnished to the Engineer-in-charge and consignee.

7.2 FINAL INSPECTION AND TESTING

Final Inspection and testing will be done by the Engineer-in-Charge or his representative as per details indicated in Chapter-11 of "CPWD General Specifications for Electric Works Part V (Wet Riser & Sprinkler system)-2020.

7.3 SAFETY MEASURES

All equipment shall incorporate suitable safety provisions to ensure safety of the operating personnel at all times. The initial and final inspection reports shall bring out explicitly the safety provisions incorporated in each equipment.

8 GUARANTEE

- i) The contractor shall guarantee the complete system to provide the specified flow and pressure under all conditions at outlets.
1. All equipment shall be guaranteed for a period of 12 months from the date of acceptance and taking over of the installation by the Department date of completion of work/project against Unsatisfactory performance and/or breakdown due to defective design, material, manufacture, workmanship or installation. The equipment or component or any part thereof so found defective during the guarantee period shall be 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 by the department at the risk and cost of the contractor, the same will be got done by the department at the risk and cost of the contractor and recovery will be made from the contractor's bill as per the actual amount spent by the department in making the same functional. The amount so recovered will not be challenged at any level. (beyond the preview of Arbitration).

9 COMPLETION DRAWINGS

Three sets of the following laminated drawings shall be submitted by the contractor while handing over the installation to the Department. Out of this one of the sets shall be laminated on a hard base for display in the fire control room. In addition, one set will be given on compact disc.

Installation drawings giving complete details of all the equipment, including their foundations,

Plumbing layout drawings giving sizes and lengths of all the pipes and the sizes and locations of all types of valves, and including isometric drawings for the entire piping the pipe connections to the various equipment,

Line diagram and layout of all electrical control panels giving switchgear ratings and their disposition, cable feeder sizes and their layout,

Control wiring drawings with all control components and sequence of operations to explain the operation of control circuits.

10 DOCUMENTS TO BE FURNISHED ON COMPLETION OF INSTALLATION

Three sets of the following documents shall be furnished to the department by the contractor on completion of work:-

Completion drawings 3 sets of manufacturer's technical catalogues of all equipment and accessories.

Operation and maintenance manual of all major equipment, detailing all adjustments, operation and maintenance procedure.

Name plate details of all equipment.

- 11 Unless otherwise mentioned in the tender document, the following works shall be done by the contractor and therefore their cost shall be deemed to be included in their tendered

cost, whether specifically indicated in the schedule of work or not.

- i) Foundation for equipments including foundation bolts and vibration isolation spring/pads.
- ii) Suspenders, brackets and floor / wall supports for suspending / supporting pipes and suspenders and/or cable trays for laying the cable.
- iii) Excavation and refilling of trenches in soil wherever the pipes are to be laid directly in ground, including a base treatment and supports.
- iv) Sealing of all floors / slabs / wall opening provided by the department or made by the contractor for pipes and cables from fire safety point of view, after laying of the same. Painting of all exposed metal surfaces of equipments and components with appropriate colour as per specifications
- v) Making openings in the walls / floors / slabs or modifications in the existing openings wherever provided for carrying pipeline, cables etc.
- vi) All electrical works including cables / wires, earthing etc. beyond power supply made available by the department.
- vii) Making good all damages caused to the structure during installation and restoring the same to their original finish.
- viii) Approval from local bodies / fire authorities as may be required as per local by-laws. (The contractor's responsibility shall be limited to the work executed by him). The inspection fee of local bodies / fire authorities shall be borne by the department.

<u>PREFERRED MAKE LIST</u>		
1	CABLE	POLYCAB / FINOLEX/ HAVELLS / GRANDLAY
2	first-aid Hose Reel with MS construction spray	Minimax/NewAge/Safeguard/Lifeguard/Padmini/GETECH

Note:-

1. The Mentioning of particular make under preferred makes does not fulfill automatically for acceptance. The make shall comply all the particulars specifications, item of work and other conditions of the contract.
2. Either the model shall be got approved or sample shall be submitted for approval by Engineer-in-Charge before confirming any order to supplier by the contractor.
3. For any item not covered in the above list, the contractor shall submit the makes and sample seeking approval from the Engineer-in-Charge before supply of the materials.
4. **The agency shall submit Tax invoices/challan of each electrical items at the time of submission of every running account/ Final bill.**

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Schedule of Work

**Name of Work :- Special repair of Fire detection and Fire Alarm System at West Block 6,Air HQ,
R.K. Puram, New Delhi.**

S.N.	Description of Item	Qty.	Unit	Rate	Amount
1	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5 % V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications. (Note:- Make should be same as existing panel (Esser by honeywell))				
1.1	a) Two Loop Panel	2.00	Each	250420.00	500840.00
2	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required. (Note:- Make should be same as existing make (Esser by honeywell/Notifire by honeywell))	20.00	Each	3004.00	60080.00
3	Supplying, installation, testing & commissioning of addressable manual call point complete as required (Note:- Make should be same as existing make (Esser by honeywell/Notifire by honeywell))	10.00	Each	4063.00	40630.00
4	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required. (Note:- Make should be same as existing make (Esser by honeywell/Notifire by honeywell))	10.00	Each	3682.00	36820.00

5	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required. (Note:- Make should be same as existing make (Esser by honeywell/Notifire by honeywell))	6.00	Each	2787.00	16722.00
6	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS/HFFR outer sheath complete as required.	100.00	Mtr	192.00	19200.00
7	Supplying and fixing first-aid Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the following as required.(a) 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585(b) 20 mm nominal internal dia gun metal globe valve & nozzle.(c) Drum and brackets for fixing the equipments on wall.(d) Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.				
7.1	30 m	10.00	Set	9440.00	94400.00
				Total Rs	768692.00

Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66