



PUBLIC WORKS DEPARTMENT
(Govt. of Delhi)

NIT No. 17/EE(E)/PWD HMED SW/2026-27

Name of Work : Providing & Fixing of 2 Nos. Video Conferencing/ Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.

Head of Account :- **MH 2210**

Estimated Cost :- **₹ 18,62,326/-**

Earnest Money :- **₹ 37,247/-**

Security Deposit :- **@ 2.5% of Tender Value**

Performance Guarantee :- **@ 5% of Tender Value and Additional EPG amount equivalent to the difference between the 25% less amount of ECPT and quoted rates is to be submitted if quoted percentage is 25% or below in the form as mentioned in NIT.**

Time allowed :- **02 Months**

Technical Sanction No. :- **___/EE(E)/PWD HMED SW/2026-27**

Certified that this NIT contains Pages Marked as 1 to 45 Pages

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

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Name of Work : Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.

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NIT APPROVAL

Name of Work : Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.

NIT No. 17/EE(E)/PWD HMED SW/2026-27

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Time allowed	:-	02 Months
Technical Sanction No.	:-	___/EE(E)/PWD HMED SW/2026-27

NIT approved amounting to ₹ 18,62,326/- (Rupees Eighteen Lakhs Sixty Two Thousand Three Hundred and Twenty Six Only).

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF
BID DOCUMENT AND TO BE POSTED ON WEBSITE**

The Executive Engineer (E), PWD Health Maint. Elect. Div. South West, DAP Lines, Vikas Puri, New Delhi-110018, Telephone:- 28531440, E-Mail:- eeepwddelhim151@gmail.com on behalf of President of India invites percentage rate bids in two bid system from the registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category Or appropriate list of MES, BSNL and other state Govt. Departments in appropriate class and other eligible non CPWD experienced contractors, as per the eligibility for the following work(s):-

S. No	NIT No.	Name of work & Location	Estimated Cost Put to tender	Earnest Money	Time Allowed	Last date and time of submission of bid, original EMD, copy of receipt for deposition of original EMD, and other documents as specified in the press notice.	Time and date of opening of EMD and PQ cum technical bid.	Time and date of opening of price/ commercial bid.
1	17/EE/PWD HMED SW/2026-27	Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.	₹ 18,62,326	₹ 37,247/-	02 Months	Upto 15:00 hrs on 08.05.2026	15:30 Hrs on 08.05.2026	Later on

The eligibility criteria mentioned as below:

1. The firms who fulfill the following requirements shall be eligible to apply. (Joint ventures are not accepted):
 - (A) The approved and eligible contractors registered with CPWD in appropriate class of Composite/ Building/ Building & Road category and undertaking as per Annexure “C” at page No. 34 of NIT.
 - OR**
 - (B) Those of appropriate list of MES, BSNL and other state Govt. Departments in appropriate class who have satisfactorily completed the similar nature works as mentioned below during the last seven years ending previous day of last date of submission of bids:
 - i) Three similar works each costing not less than Rs. 7,44,930/- .
 - Or
 - ii) Two similar works each costing not less than Rs. 11,17,396/-.
 - Or
 - iii) One similar completed work of cost not less Rs. 14,89,861/-.

Similar nature works means works of “SITC of Audio and Video System/ Conferencing System”.

The value of executed similar 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 last day of month previous to the one in which tenders are invited.

OR

- (C) The other experienced contractors who have satisfactorily completed the similar nature works as mentioned below during the last seven years ending previous day of last date of submission of bids:
 - i) Three similar works each costing not less than Rs. 7,44,930/- .
 - Or
 - ii) Two similar works each costing not less than Rs. 11,17,396/-.
 - Or
 - iii) One similar completed work of cost not less Rs. 14,89,861/-.

Similar nature works means works of “SITC of Audio and Video System/ Conferencing System”.

The value of executed similar 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 last day of month previous to the one in which tenders are invited.

- Should have average annual financial turnover of 30% of the estimated cost during the last three consecutive years ending 31st March 2025. **(Certified from Chartered Accountant with (UDIN) Unique Document Identification Number)**
- Should not have incurred any loss in more than two years during the last five years ending 31st March 2025 **(Certified from Chartered Accountant with (UDIN) Unique Document Identification Number)**
- **Solvency Certificate or Networth Certificate:**
Solvency of the amount equal to 40% of the Estimated Cost put to tender (ECPT) (should not be older more than one year from the last date of submission of bid)

OR

Networth certificate of minimum 10% of the estimated cost put to tender (Certified from Chartered Accountant with (UDIN) Unique Document Identification Number)

- Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/ Certificate from CA mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
- (D) This work involves specialized work as per CPWD work manual amended upto date. The registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category should either himself meet the eligibility criteria as defined at page no. 7 hereafter for execution of specialized work(s) or shall have to associate specialized agency(s) for execution of the specialized work(s) who meet the eligibility criteria as defined at Page No. 7 hereafter after acceptance of tender.**

The registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category along with Performance Guarantee, shall submit his documents fulfilling eligibility criteria defined at page no. 7 if he fulfills eligibility criteria or shall submit documents of specialized agency to be associated fulfilling eligibility criteria defined at page no. 7 along with their consent letter (Annexure-D as at page No. 35) failing which Performance Guarantee shall not be accepted & their bid will be rejected and action may also be taken against them as per applicable clause.

After approval of associated agency, main contractor has to enter into MOU (Annexure-E as at page No. 36) with associate agency through any legal document / stamp paper and submit the copy of MOU to Engr-in-Charge within 07 days of approval of associated agency’s documents by competent authority, failing which their tender will be cancelled and they are liable to be debarred for bidding in CPWD/ PWD for a period of one year. The MOU shall be signed by both the parties i.e. main contractor as 1st party and associated specialized Agency as 2nd party, duly attested by notary.

2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. 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://govtprocurement.delhi.gov.in>.
5. Earnest Money of ₹ 37,247/- in the form of Treasury Challan or Demand Draft or Pay order or Banker’s Cheque or Deposit at Call Receipt or Fixed Deposit Receipt should be drawn in favour of **Executive Engineer (E), PWD EMD M-151(N)** payable at New Delhi. A part of earnest money is acceptable in the form of Bank Guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any

Scheduled Bank having validity for six months or more from the last date of **online receipt of bids** which is to be scanned and uploaded by the intending bidders.

6. The original EMD should be deposited either in the O/o Executive Engineer inviting bids or division office of any EE, PWD, GNCTD or 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 uploaded by tender inviting EE in the NIT. In case EMD submitted/uploaded by the bidder is not in proper form, the bidder will be responsible for rejection of bid even if receipt of same has been issued by any receiving division office.
7. **Payment of performance Guarantee:** The bidder whose bid is accepted will be required to furnish performance guarantee of 5% (Five percent) of the accepted tendered amount **and Additional EPG amount equivalent to the difference between the 25% less amount of ECPT and quoted rates is to be submitted if quoted percentage is 25% or below in the form as mentioned in NIT** in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract. This guarantee shall be in the form of DD / Banker Cheque / pay order / FDR / guarantee bonds of any scheduled bank drawn in favour of **Executive Engineer (E), PWD EMD M-151(N)** payable at New Delhi.
8. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
9. The intending bidder must have valid class-III digital signature to submit the bid.
10. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
11. Contractor can upload documents in the form of JPG format and PDF format.
12. Contractor must ensure to quote rate of each item. 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).
13. The Technical bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.
- ~~14. Pre Bid conference shall be held in the chamber of **The Executive Engineer (E), PWD HMED South West, 2nd Floor, Samaj Sadan Building, DAP Lines, Vikas Puri, New Delhi - 110018** at on..... to clear the doubt of intending bidders, if any.~~
15. 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.
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. List of **self-attested** Documents to be scanned and uploaded within the period of bid submission:
 - a) Earnest Money.
 - b) Receipt of deposition of original EMD issued from division office of any Executive Engineer, PWD/ CPWD or this Division office.
 - c) Affidavit as per clause 1.2.2 of CPWD 6 Form.
 - d) Copy of Valid Electrical License. However, the contractors will be allowed to participate in tender with an undertaking that "they will either obtain valid electrical license at the time of execution of electrical work or associate contractors having valid electrical license of eligible class."
 - e) Registration with CPWD in appropriate class of Composite/ Building/ Building & Road category along with undertaking as per Annexure "C" at page No. 34 of NIT.

OR

Registration of those of appropriate list of MES, BSNL and other state Govt. Departments along with the similar work's experience as mentioned at S.No. 1 (B) in the eligibility criteria in form C & D.

OR

Other experienced contractors along with the similar work's experience as mentioned at S.No. 1 (C) in the eligibility criteria in form C & D alongwith following documents:-

- i) Average Annual Financial Turnover should be atleast 30% of the estimated cost during the immediate last three financial year ending 31st march 2025 in Form 'A' (**Certified from Chartered Accountant with (UDIN) Unique Document Identification Number**).
- ii) Should not have incurred any loss in more than two years during the last five years ending 31st March, 2025 in Form 'A' (**Certified from Chartered Accountant with (UDIN) Unique Document Identification Number**).
- iii) The bidder should have a solvency @ 40% of ECPT certified by his Bankers in Form 'B' (should not be older more than one year from the last date of submission of bid)

Or

The bidder should submit Networth Certificate of minimum 10% of ECPT in Form 'B1' (**Certified from Chartered Accountant with (UDIN) Unique Document Identification Number**).

- f) Valid GST Registration Certificate
- g) Latest uptodate due GST return.

18. In case works are executed in Private Sector, then TDS Certificate for Income Tax for the works executed are also required to be submitted along with detail of works (Applicable for both main & associate firm). Completion Certificate shall be issued by the officer not below the rank of Executive Engineer/Project Manager (Applicable for both main & associate firm).

19. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following under taking along with other bid documents:-

Note :- "If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.

20. If any of above mentioned documents are not uploaded, the tender will not be considered.

21. Irrelevant documents uploaded/ submitted by the firm will not be considered. Only relevant documents should be uploaded.

22. The price of only those contractors will be opened whose application are approved by the competent authority.

Further details can be seen at: <https://govtprocurement.delhi.gov.in>

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

ELIGIBILITY CRITERIA FOR SPECIALIZED E&M WORKS

Firm should have fulfill the following eligibility criteria (whichever is applicable):-

S.No	Name of Sub Head	Estimated cost of Sub Head	Eligibility Criteria
1	Audio Video System	Rs. 18,62,326/-	<p>1. The registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category or associated agency who have satisfactorily completed the similar nature works as mentioned below during the last seven years ending previous day of last date of submission of bids:</p> <p>i) Three similar works each costing not less than Rs. 7,44,930/- . Or ii) Two similar works each costing not less than Rs. 11,17,396/-. Or iii) One similar completed work of cost not less Rs. 14,89,861/-.</p> <p>Similar nature works means works of “SITC of Audio and Video System/ Conferencing System”.</p> <p>The value of executed similar 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 last day of month previous to the one in which tenders are invited.</p>

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No...../ date.....)

1	Name of Work :	Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.
2	NIT No. :	17/EE(E)/PWD HMED SW/2026-27
3	Estimated Cost :	₹ 18,62,326/-
4	Amount of Earnest Money Deposit :	₹ 37,247/-
5	Last date of submission of bid :	08.05.2026
1	Name of Contractor :	
2	Form of EMD :	
3	Amount of Earnest Money Deposit :	
4	Date of submission of EMD :	
Signature, Name and Designation of EMD receiving officer (EE/ AE(E)P/ AE/ AAO) :		
Office Stamp :		

CPWD-6 FOR e-TENDERING

The Executive Engineer (E), PWD Health Maint. Elect. Div. South West, DAP Lines, Vikas Puri, New Delhi-110018, Telephone:- 28531440, E-Mail:- eepwddelhim151@gmail.com on behalf of President of India invites percentage rate bids in two bid system from the registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category Or appropriate list of MES, BSNL and other state Govt. Departments in appropriate class and other eligible non CPWD experienced contractors, as per the eligibility for the following work(s):-

NAME OF WORK:- Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.

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

In case 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. 18,62,326/-**. This estimate, however, is given merely as a rough guide.
- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.
For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
- 1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:

Criteria of eligibility for Submission of bid documents: NOT APPLICABLE

- 1.2.1 **Condition for Non-CPWD contractors only, if bids are also open to non-CPWD contractors.**
For works estimated cost up to **Rs. 30 Crore** (However for Horticulture and Furniture etc. discipline, the figure of Rs. 30 Crore may be modified as per bidding limit of CPWD class I/ Group A contractors of respective discipline as the case may be)
Three similar works each of value not less than **Rs.** or two similar works each of value not less than **Rs.** or one similar work of value not less than **Rs.** (all figures rounded to nearest Rs. 10 Lac) in last 7 years ending previous day of last date of submission of bids.

Note:- For works costing above Rs. 10.5 Crore but upto Rs. 30 Crore (However for Horticulture and Furniture etc discipline, the figure of Rs. 10.5 Crore and Rs. 30 Crore may be modified as per bidding limit of CPWD class-II/ Group B and bidding limit of CPWD Class-I / Group A contractors respectively of respective discipline as the case may be).When bids are open to non-CPWD contractors also, then Class II contractors of CPWD shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above

Criteria of eligibility for CPWD as well as non-CPWD contractors: NOT APPLICABLE

For works estimated to cost above **Rs. 30 Crore** (However for Horticulture and Furniture etc discipline, the figure of Rs. 30 Crore may be modified as per bidding limit of CPWD class I contractors of respective discipline as the case may be)
Three similar works each of value not less than **Rs.** or two similar works each of value not less than **Rs.** or one similar work of value not less than **Rs.** (all figures rounded to nearest Rs. 10 Lac) in last 7 years ending previous day of last date of submission of bids.

The value of the executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to last date of submission of bids. **This is applicable for 1.2.1 as well 1.2.2.**

1.2.2 To become eligible for issue of bid, the bidder shall have to furnish an affidavit as under:-

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

~~1.2.3 When bids are invited from non CPWD contractors and CPWD class-II contractors as per provisions of clause 1.2.1 above, it will be mandatory for non CPWD contractors and CPWD class-II contractors to upload the work experience certificates (s) and the affidavit as per the provision of clause 1.2.2.~~

~~But for such bids, class-I contractors of CPWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD class-I contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading GCC 2023 as amended upto date of these two letters is mandatory otherwise system will not clear mandatory fields.~~

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 **02 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. i) The site for the work is available.

OR

~~The site for the work shall be made available in parts as specified below:-~~

- ii) **The architectural and structural drawing for the work is available.**

OR

~~The architectural and structural drawing 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 work.~~

5. The bid document consisting of 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 - 2023 can be seen on website <https://govtprocurement.delhi.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 Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of **Executive Engineer (E), PWD EMD M-151(N)** payable at 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 inviting bids or division office of any Executive Engineer, CPWD/ PWD within the period of bid submission. The EMD receiving Executive Engineer (i/c NIT forming EE/ AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.**

A part of earnest money is acceptable in the form of bank guarantee also. In such case, **minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for 6 months or more from the last date of receipt of bids should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer (i/c NIT forming EE/ AE), CPWD/ PWD within the period of bid submission.** The same should also be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. **However, certified copy of all the scanned and uploaded documents as specified in Press Notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.**

Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose EMD deposited with any division office of CPWD/ PWD and other documents scanned and uploaded are found in order.**

The bid submitted shall be opened at 3.30 PM on 08.05.2026

~~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.~~

10. The bid submitted shall become invalid if:
- The bidder is found ineligible.
 - The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD/ PWD.
 - The bidder does not upload all the documents (including service tax registration/ Sales Tax registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - 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.
 - 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.

11. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount **and Additional EPG amount equivalent to the difference between the**

25% less amount of ECPT and quoted rates is to be submitted if quoted percentage is 25% or below in the form as mentioned in NIT within the period specified in Schedule F. This guarantee shall be in the form of ~~cash (in case guarantee amount is less than Rs. 10000/-)~~ or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited alongwith 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 i/c Provident Fund code no. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors for the said work and Programme Chart (Time and Progress) within the period specified in schedule F.**

12. The description of the work is as follows:
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 bidder 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 bids 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 bids 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 and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

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 prior 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 Seventy Five (75) days from the last day of receipt of technical bids for tenders invited in Two/Three bid system.** If any bidders 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 bidders shall not be allowed to participate in the rebidding process of the work. (Modified vide OM DG/CON/293 dt. 01.07.2016)
19. This notice inviting Bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading there to.
 - b) Standard C.P.W.D. Form 7/ 8 or other standard CPWD Form as applicable.
20. The contractor shall quote his rates keeping in mind the specifications; terms & conditions, particular specifications and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified. If the bidders does not quote the rate for any item, leaving the space blank, whatsoever, it will be presumed that the bidders has loaded the cost of this/ these item(s) on other item(s), and he will execute this/ these items at zero cost, and the bid will be evaluated accordingly.
21. In case of any difference / ambiguity between English & Hindi versions, English version shall prevail.
22. The department shall deduct Income Tax on the value of work done from each bill of the contractor as per prevailing Government instructions/orders. In lieu, the department shall issue a certificate of deduction of the tax at source to the contractor, in relevant form.
23. Engineer-in-Charge shall deduct TDS and GST as per prevailing Government instructions/orders from the total payment made to contractor in pursuance of this contract. This TDS shall also be deducted on advance payment to be adjusted in future bills and on the amount of cost escalation. The TDS certificate shall be issued by the Engineer-in-Charge to the contractor in required form within specified days from the end of the month in which tax has been deducted.
24. The department shall deduct labour Cess @ 1% on the value of work done from each bill of the contractor as per prevailing Government instructions/orders. In lieu, the department shall issue a certificate of deduction of the tax at source to the contractor, in relevant form.
25. In the tender document, the word "CPWD" shall include "PWD (GNCTD)" wherever exists.

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

LETTER OF TRANSMITTAL

(For NON CPWD contractors and other experienced contractors)

[On the Letterhead paper of the Tenderer, or partner Responsible including full Postal address, telephone no., fax no. and E-Mail and cable address]

No.-----

Date:

To,

Executive Engineer(E),
PWD HMED South West,
DAP Lines, Vikas Puri,
New Delhi-110018

Name of Work: Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.

Sir,

Having examined the details given in press Notice and bid document for the above work, I / We hereby submit the relevant information.

1. I / We hereby certify that all the statements made and information supplied in the enclosed forms A to D and accompanying statement are true and correct.
2. I / We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

I / We submit the requisite certified Net Worth certificate and authorize the Executive Engineer(E), PWD, Health Maintenance Electrical Division South West, DAP Lines, Vikas Puri, New Delhi 110018 to approach the Bank issuing the Net Worth certificate to confirm the correctness thereof. I / We also authorize Executive Engineer (E), PWD, Health Maintenance Electrical Division South West, DAP Lines, Vikas Puri, New Delhi 110018.

3. To approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I / We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following works :

Sl.No.	Name of work	Certificate from

Enclosures:

Seal of bidder

Date of submission

SIGNATURE(S) OF BIDDER(S)

FINANCIAL INFORMATION

I. Financial Analysis –

- (a) Details to be furnished duly supported by figures in balances sheet / profit & loss account for the last five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).
- (b) The information supplied shall be the annual turnover on construction work of the bidder in term of the amount billed to client for each year for work in progress or completed.

Financial Year	2024-25	2023-24	2022-23	2021-22	2020-21
Gross Annual turnover on Construction works					
Profit / Loss **					

II. Financial arrangements for carrying out the proposed work.

III. Solvency Certificate in Form "B" or Networth Certificate from Bankers of the bidder in the prescribed Form "B-1".

* Amount to be filled in all columns ** Loss to be shown in with (-) sign

Signature of Bidder(s).

Signature of Chartered Accountant with Seal with UDI Number.

BANKER'S CERTIFICATE FROM A SCHEDULED BANK

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

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

(Signature) For the Bank

NOTE:

- (1) Banker's certificates should be on letter head of the Bank.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT

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

Signature of Chartered Accountant
with UDI Number
.....

Name of Chartered Accountant
.....

Membership No. of ICAI
.....

Date and Seal

**DETAILS OF ALL WORKS OF SIMILAR-CLASS COMPLETED DURING THE
LAST SEVEN YEARS**

S. No.	Name of work / project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / Arbitration cases pending / in progress with details *	Name and address / telephone number of officer to whom reference may be made	Remarks i/c grant of extension of Time with/without levy detail	Whether similar works have been executed on back to back basis (Yes/No)
1	2	3	4	5	6	7	8	9	10	11

* Indicate gross amount claimed and amount awarded by the Arbitrator

SIGNATURE OF BIDDER(S)

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "C"

1. Name of Work/Project & Location
2. Agreement No.
3. Estimated Cost
4. Tendered Cost
5. Value of Actual work done
6. Date of Start
7. Date of Completion
 - (i) Stipulated Date of Completion
 - (ii) Actual Date of Completion

Dated :

**Executive Engineer or Equivalent
Address & Phone No. :**

conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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

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

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

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 President of India

Signature

Dated:

Designation

PROFORMA OF SCHEDULES

(Separate Performa for Civil, Elect. & Hort. Works in case of Composite tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

As per Schedule attached

Schedule of quantities (Enclosed.)

SCHEDULE 'D'

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

Attached as General Conditions and Particular
Specification

SCHEDULE 'E'

Reference to General Conditions of contract.

General Conditions of Contract for CPWD
Works-2023 as amended/ modified up to last
date of submission of bid

**Name of Work : Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for
Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar,
New Delhi.**

- (i) Estimated cost of work : ₹ 18,62,326/-
(ii) Earnest Money : ₹ 37,247/-
(iii) Performance Guarantee : **@ 5% (five percent) of Tendered Value and Additional
EPG amount equivalent to the difference between the
25% less amount of ECPT and quoted rates is to be
submitted if quoted percentage is 25% or below in the
form as mentioned in NIT.**
(iv) Security Deposit : @ 2.5% (two point five percent) of the tendered value.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS :

Officer inviting tender

EE(E)/PWD HMED SW, DAP
Lines, Vikas Puri, Delhi

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

See details under clause 12 of this NIT

Definitions:

2 (v) Engineer –in – charge

Executive Engineer (E)
PWD HMED South West,
DAP Lines, Vikas Puri, Delhi

2 (viii) Accepting Authority

Executive Engineer (E)
PWD HMED South West,
DAP Lines, Vikas Puri, Delhi

- 2 (x) Percentage on cost of materials and labour to cover all overheads and profits. 15 %
- 2 (xi) Standard Schedule of Rates. CPWD- Delhi Schedule of Rates (E&M) 2025 and Market Rates
- 2 (xii) Department PWD (Delhi Govt.)
- 9(ii) Standard CPWD Contract Form GCC-2023, CPWD Form 7/8 modified & Corrected upto **CPWD Form-7 and CPWD Contract form GCC-2023 Maintenance/ Construction amended upto last date of receipt of tender**

Clause 1

- i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and 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 05 Days
- ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above 02 Days

Clause 2

Authority for fixing Compensation under Clause 2. SE(E)/PWD Health Elect. Circle New Delhi

Clause 2 A

Whether Clause 2 A shall be applicable Not applicable

Clause 5

Number of days from the date of issue of letter Of acceptance for reckoning date of start 07 days

Miles 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.
NOT APPLICABLE			

Time allowed for execution of work 02 Months

Authority to decide:-

- (i) Extension of time **Executive Engineer (E)
PWD, HMED South West,
DAP Lines, Vikas Puri**
- (ii) Rescheduling of Mile Stones **SE(E), PWD, HEC
New Delhi**
- (iii) Shifting of date of start in case of delay in handing over of site **SE(E), PWD, HEC
New Delhi**

Clause 6

Clause applicable Clause 6

Clause 7

Gross work to be done together with net payment/ adjustment of advances for Material collected, if any, since the last such payment for being eligible to interim payment.

Clause 10 A

List of testing equipment to be provided by the contractor at site lab. Not applicable.

Clause 10 B (ii)

Whether Clause 10 B (ii) shall be applicable Not applicable

Clause 10C

Component of labour expressed as percent of value of work = N.A.

Clause 10CA

S.No.	Materials covered under this clause	Nearest Materials (other than cement, reinforcement bars and structural steel And POL) for which All India Wholesale Price Index to be followed	Base Price and its corresponding period of all the Materials covered under clause 10 CA**
1.	----- Not applicable -----		

Clause 10 CC

NA

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the

period shown in the next column.

NA

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

Component of civil (except materials covered under clause 10CA)/ Electrical construction value of work-

Xm ___%

Component of Labour- expressed as percent of total value of work.

Y ___%

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

Clause 11

Specifications to be followed for execution of work:-

CPWD General Specifications for Electrical Works as amended upto date as amended upto date and additional conditions specifications

ended upto date as amended upto date and additional conditions specifications

Type of Work - Original Work

Office Memorandum for Construction Works issued by Special Secretary, PWD-II vide Letter No. Pr CE (M&F)/E in C(PWD)/7111/dspwd2/49-52 dated 10.01.2024

Clause 12 Deviations/ Variations Extent and Pricing, as applicable to PWD, GNCTD for Construction Works

The completion cost shall, in no case, exceed 1.25 times the contract amount for contract amount.

Clause 12.2 Deviation, Extra Items and Pricing

a) Non-Schedule Extra Item(s)

No non-schedule extra item shall be allowed to be executed.

Clause 16

Competent Authority for Deciding reduced rates

1. SE(E), PWD, Health Elect. Circle (GNCTD) upto 5% of tendered amount
2. CE, PWD, Health Maintenance Zone (GNCTD) above 5% of accepted tendered amount

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:

As per requirement of work and direction of Engineer-in-charge

Clause 19C

As per GCC 2023 amended up to date authority to decide penalty for each default.

Clause 19D

As per GCC 2023 amended up to date authority to decide penalty for each default.

Clause 19G

As per GCC 2023 amended up to date authority to decide penalty for each default.

Clause 19K

As per GCC 2023 amended up to date authority to decide penalty for each default.

Clause 25:-

Any disputes arising between the parties to this agreement/ contract shall be subject to the exclusive jurisdiction of Courts in Delhi only.

Clause 32

Requirement of Technical representative(s) and recovery rates.

Requirement of Technical staff		Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
Qualification	Number (of Major + Minor Component)			Figures	Words
-- As per CPWD Works Manual as amended upto date --					

Assistant Engineer retired from Govt. services that are holding Diploma will be treated at par with Graduate Engineer. **Diploma holder 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 should not exceed 50% of requirement of degree engineers.**

Clause 42

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S.No.	Description of item	Rates in figures and works at which recovery shall be made from the contractor	Excess beyond permissible variation	Less use beyond permissible variation
NIL				

On non-judicial stamp paper of Minimum Rs. 100

(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), PWD EMD M-151(N) on behalf of the President of India (hereinafter call “The Government”) has invited bids under ___/EE(E)/PWD HMED SW/2026-27, _____ dated _____ for _____ (Name of work) _____. The Government has further agreed to accept irrevocable Bank Guarantee of Rs. _____ (Rupees_____ only) valid upto _____ (date)* _____ a Earnest Money Deposit from _____ (name and address of 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), PWD EMD M-151(N) on behalf of the President of India (hereinafter call “The Government”) has entered into an agreement bearing number..... /EE (E)/ PWD HMED SW/23-24, with(name and address of contractor)..... for execution of work(name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees..... only) valid upto (Date) as PERFORMANCE Guarantee/ Security Deposit/ / Mobilization Advance from the said contractor for compliance of his obligations in accordance with the terms and conditions of the agreement. (hereinafter called “the contractor”) for compliance of his obligations in accordance with the terms and conditions of the said NIT.

2. We (indicate the name of the bank) (herein after referred to a “the Bank”), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... only) on demand by the Government 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 Government stating that the amount claimed is required 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 Government any money o 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 the 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 undertake to pay the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder 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 Government against the said contractor and to 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 Government or any indulgence by the Government 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 Government at 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 Government 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 Government in writing.
9. The Bank Guarantee shall be valid upto unless extended on demand by the Government. 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

WITNESSES.....

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 120 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.

A F F I D A V I T

I/ We have submitted a bank guarantee for the work _____

(Name of work)

Agreement No. _____ dated _____ from _____ to _____

(Name of the Bank with full address) _____

to the Executive Engineer _____ (Name of Division) with a

view to seek exemption from payment of security deposit in cash. This bank guarantee expires on _____.

I / We undertake to keep the validity of the bank guarantee intact by getting it extended from time to time at my / our own initiative upto a period of _____ months after the recorded date of completion of the work or as directed by the engineer-in-charge.

I / We also indemnify the Government against any losses arising out of non – encashment of the bank guarantee if any.

Note :- The affidavit is to be given by the executants before a first class Magistrate

**To be signed by the bidder and same signatory competent / authorized to sign
the relevant contract on behalf of CPWD.
INTEGRITY AGREEMENT**

This Integrity Agreement is made at on this day of 20.....

BETWEEN

President of India represented through Executive Engineer,
PWD HMED SOUTH WEST

PWD, DAP Lines, Vikas Puri, New Delhi (Hereinafter referred as the ‘**Principal/Owner**’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

(Name and Address of the Individual/firm/Company)

through _____ (Hereinafter referred to as the
“**Bidder/**

(Details of duly authorized signatory)

Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (**NIT No _____**) (hereinafter referred to as “**Tender/Bid**”) and intends to award, under laid down organizational procedure, contract for **as per tender document.** hereinafter referred to as the “**Contract**”.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “**Integrity Pact**” or “**Pact**”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

- (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
- (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

- (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.**

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Place:

Dated :

(FOR REGISTERED CPWD CONTRACTORS)

Annexure – ‘C’

UNDERTAKING

This work involves specialized work as per CPWD work manual amended upto date. I/ We, registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category should either ourselves meet the eligibility criteria as defined at page no. 7 hereafter for execution of specialized work(s) or shall associate specialized agency(s) for execution of the specialized work(s) who meet the eligibility criteria as defined at Page No. 7 hereafter after acceptance of tender.

I/ We, registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category along with Performance Guarantee, will submit our documents fulfilling eligibility criteria defined at page no. 7 if I/ We fulfills eligibility criteria or will submit documents of specialized agency to be associated fulfilling eligibility criteria defined at page no. 7 along with our consent letter failing which we agree to non-acceptance of Performance Guarantee, rejection of our bid and action taken by the department against us as per applicable clause.

[STAMP & SIGN OF CONTRACTOR]

CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF SPECIALIZED WORK(S)

Name of work :

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 and list of same shall be made available to Engineer-in-Charge.
5. 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 :

MEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN

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)..... 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), PWD HMED SW, DAP Lines, Vikas Puri, Delhi-110018". Any of us may appeal against the mediation to the "SE(E), HEC, PWD, 2nd Floor, MSO Building, New Delhi-110002". His decision shall be final and binding on both of us.

We have agreed as under:

1. The associated specialized agency will execute all specialized work(s) in the wholesome manner as per 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 the purpose of executing the specialized work(s).
3. All the machinery and equipments, tools and plants, special T&P required for 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 terms and conditions of the agreement.
5. Site order book maintained for the said work shall be signed by the authorized representative of main contractor as well as Associated specialized Agency.
6. All the correspondence regarding 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 of the provisions of 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

SIGNATURE OF ASSOCIATED SPECIALIZED AGENCY.

Date:

Date

Place

Place

TERMS AND CONDITIONS

1. The Work shall be carried out as per CPWD specifications for electrical works Part-I 2013 (INT), Part-II 1995 (EXT), the Indian Electricity Rule – 1956 as amended upto date for such works
2. Firms/ Contractor shall quote the rates in tender both in “Figures & Words” also. Otherwise the tender will not entertained.
3. All the materials, whatsoever, to be supplied and provided by the contractor should be of standard and approved quality. These 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/ rejected materials used on the work. Rejected materials should be removed from the site of work within 48 hours failing which the same will be liable for removal by the department at the risk and cost of contractor without any liability.
4. No material will be taken out of premises without written permission of Engineer-in-Charge.
5. The electric work shall be done in closed co-ordination and in phase, strictly with civil works and as & when reqd. during the period of contract at the call. The contractor shall start the work within 24 hrs of the call made to contractor on telephone/ in writing etc. as applicable. Where-ever these are in control of this office no claim for idle labour shall be entertained under this agreement.
6. Any damage done to the building while executing the electric work should be make good to the satisfaction of the department. The chases, holes etc. cut in the walls and roofs should be filled within two days. All malba should be removed on the same day. In case of failure to do so it will be got done by the Engineer-in-Charge or his authorized representative at contractor’s risk and cost.
7. All watch and ward of the materials installed at work will be responsibility of the contractors till their handing over to the department on completion of work. Merely recording of measurement and running payments made to contractor. There will be regular handing over/ taking over the installation. Any missing item shall have to be make good by the contractor.
8. Persons employed for execution of electrical work should have electrical license as required under I.E. Act.
9. Department shall not be responsible for any injury partial or permanent or death of any worker at site due to accident or manufacturing of the equipment or by negligence of the staff.
10. No T&P shall be issued by the department for execution of work.
11. First aid box shall be kept by the contractor at site of work. No extra payment shall be made on this account.
12. Damage to the building & machinery if any will be made good by the contractor at his own cost.
13. Supply items to be got approved from Engineer-in-Charge in Advance, otherwise no payment shall be released.
14. The firm shall furnish certificate/ undertaking from the labour employed by him that he will not claim security of job from the department at any stage of time.

15. If any condition's is put by the contractor, which is not as per CPWD specifications/ terms and conditions of NIT, his tender is liable to be rejected.
16. The list of approved makes for the materials to be used at site for execution of work is attached.
17. All screws/ nuts bolts should be galvanized/ cadmium plated/ passivate only as the case may be.
18. Contractor will have to abide by the instructions contained in CPWD Manual Volume-II (upto date) applicable to him.
19. All inter-connections in the switch-boards shall be carried out with suitable cables commensurate with the current carrying capacity.
20. Malba shall be removed from the site daily and site kept neat and clean failing which the same is liable to be go removed by the department at the risk and cost of contractor.
21. The rates quoted by Firm/ Contractor shall be inclusive of all taxes such as GST& other taxes etc. and nothing extra shall be paid on this account. The quoted rates shall be firmed.
22. Contractor will inform the contact number to Deptt. so that in case of emergency the contractor can be informed for the work.
23. All equipments shall be guaranteed for a period of 12 Months from the date of acceptance and taking over of the installation by the Department 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 & cost of the contractor, the decision of Engineer-in-Charge in this regard shall be final& binding on the contractor.

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

LIST OF MAKE

1. Intelligent Voice Tracking PTZ Camera : SOLVISION/ AVER/ LUMENS/ PEOPLELINK
2. Full HD PTZ Camera : SOLVISION/ AVER/ LUMENS/ PEOPLELINK
3. Beamforming Ceiling Microphone Array : SHURE/ SOLVISION/ AVER/ LUMENS/
PEOPLELINK/ AUDIO TECHNICA
4. HDMI Switcher : SOLVISION/ LIGHTWARE/ KRAMER/ CRESTON
5. PoE Switch : NETGEAR/ TP LINK (BUISNESS SERIES)/ ARUBA
(HP)/ CISCO
6. Desktop Visualizer : SOLVISION/ DYARK/ PEOPLELINK/ LUMENS
7. 43" 4K Display : SAMSUNG / LG / PANASONIC
8. Business Mini PC Desktop : INTEL NUC / HP / DELL
9. Active USB Cable : PAC/ KRAMER/ MANHATTAN/ EXTRON/ CRESTON
10. HDMI Cable : PAC/ KRAMER/ MANHATTAN/ EXTRON/ CRESTON
11. CAT6 UTP Cable : D-LINK / SCHNEIDER / MOLEX
12. PVC Conduit : AKG / BEC / NIC / ASTRAL
13. Wall Mount Rack : COMRACK/ VALRACK/ RITTAL / D-LINK /
DYNAMIC
14. Any other item : All items shall be as per Engineer-in-Charge approval.

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi

SPECIAL CONDITIONS TO COMPLY DIRECTIVES OF HON'BLE NATIONAL GREEN TRIBUNAL

1. The contractor shall not store/ dump construction material or debris on metalled road.
2. The contractor shall get prior approval from Engineer-in-Charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/ inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
3. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/ area using CGI sheets or plastic and / or other similar material to ensure that no construction material dust fly outside the plot area.
4. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/ or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/ contaminate air.
5. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
6. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
7. The contractor shall ensure that C&D waste is transported to the C&D waste site only and due record shall be maintained by the contractor.
8. The contractor shall compulsory use of wet jet in grinding and stone cutting.
9. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010.
10. The contractor shall carry out on-Road-Inspection for black smoke generating machinery. The contractor shall use cleaner fuel.
11. The contractor shall ensure that all DG Sets comply emission norms notified by MoEF.
12. The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.
13. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.
14. The paving of the path for plying of vehicles carrying construction material is more permanent solution to dust control and suitable for longer duration projects. The NIT approving authority shall carry out cost benefit ratio analysis of the same.

SCHEDULE OF WORK

Name of work: Providing & Fixing of 2 Nos. Video Conferencing/Digital Broadcast System for Medico-Legal Evidence in Pt. Madan Mohan Malviya Hospital, Malviya Nagar, New Delhi.

S.No.	Item Description	Qty	Rate	Unit	Amount
1	Supply, Installation, Testing & Commissioning of Intelligent Voice Tracking Dual-Lens PTZ Camera with advanced auto-focus, auto-framing, and real-time speaker tracking capability integrated with positioning array microphones for accurate voice-based subject tracking. The camera shall be equipped with a high-quality 1/2.8" CMOS sensor with 8.5 megapixels, supporting maximum 4K resolution (3840×2160) at 30 fps, along with auto white balance and auto exposure modes for optimal image quality. It shall feature a 12x optical zoom lens (f = 3.4–40.3 mm) and 15x digital zoom, with a horizontal viewing angle of 7.6° (tele) to 80.5° (wide) and minimum illumination of 0.5 lux, ensuring excellent performance in low-light conditions. The camera shall support iris range F1.8–F3.6, shutter speed from 1/1 to 1/10000 sec, and both auto and manual control for exposure, gain, and white balance, with a signal-to-noise ratio of ≥55 dB. The PTZ mechanism shall support horizontal rotation ±170° (max speed 100°/s) and vertical tilt from -30° to +90° (max speed 60°/s) with up to 255 preset positions. Video output interfaces shall include HDMI, USB 3.0, and IP streaming, while control interfaces shall include RS-232 (Mini 8-DIN) with VISCA protocol support, along with compatibility for PELCO P/D protocols and multiple baud rates (2400/4800/9600 bps). The camera shall operate on DC 12V (via AC 110–220V adapter) with power consumption of less than 12W, and shall be suitable for operation in temperatures ranging from 0°C to 45°C (storage: -10°C to +60°C). The unit shall be designed for professional conferencing and AV integration environments.	2 Nos.	2,14,147.00	Each	4,28,294.00
2	Supply, Installation, Testing & Commissioning of PTZ Full HD PTZ Camera 10x Optical Zoom or Maximum 12x Optical Zoom Iris: f = 3.9~46.8mm; F1.8 – F2.4; Viewing Angle: 6.3° (tele) 83.7°wide) ; Sensor: 1/2.8 inch or better CMOS sensor; Pixels: 2.07 Mega Pixel; Video Formats: 1080P60/50/30/25/ 59.94/29.97; 1080i60/50/59.94; 720P/50/30/25/59.94/29.97; Minimum illumination: 0.5 Lux(DNR: 2D & 3D DNR); White Balance: Auto/Manual/one push / 3000K / 4000K / 5000K /6500K; Focus Auto/Manual; BLC: ON/OFF; WDR: Off/Dynamic level adjustment; Video Adjustment: Brightness, Color, Saturation, Contrast, Sharpness, B/W mode; Gamma curve; SNR: >55 dB; Panoramic Camera: Sensor 1/2.8 inch high quality HD CMOS sensor; Effective	2 Nos.	1,16,251.00	Each	2,32,502.00

	<p>Pixels: 2.07 Megapixel; lens: Manual Focus; Input/Output: Video Interface: HDMI x 1, LAN Port x 1, USB x 1, HDMI x 1; Network Interface: 100M network interface (10/100BASE-TX) 5G LAN, RS232/485; Video Compression Format: H.264 Compress Image Code Stream: Dual stream output; Control Protocol: VISCA/PELCO-D/Pelco-P; Baud Rate: 115200/9600/4800/2400; LAN Port Network Protocol: RTSP/RTMP/ONVIF/ GB/T28181; Pan Rotation: -170°~+170°; Tilt Rotation: -30°~+90°; Pan Control Speed: 0.1~80°/second; Tilt Control Speed: 0.1-45°//second; Preset Speed: Pan: 80°/second, Pan: 100°/sec, Tilt: 45°/sec, Preset Number: 255 preset complete etc as reqd at site.complete etc as reqd at site.</p>				
3	<p>Supply, Installation, Testing & Commissioning of Beamforming Ceiling Microphone Array shall be an 8-element digital array microphone designed for 360° audio pickup with super-directive beamforming and beam tracking capability, suitable for conference rooms and professional AV applications. The unit shall support a pickup distance up to 10 meters and cover an area of minimum 100 m². It shall have built-in DSP with Noise Reduction, Acoustic Echo Cancellation (AEC), and Automatic Gain Control (AGC), and shall allow full parameter configuration through a Web UI interface. The frequency response shall be 80 Hz to 16 kHz, sensitivity shall be -26 dBFS, THD shall be less than 0.02%, and SNR shall be greater than 70 dB. The device shall support RJ45 (PoE powered), USB-B for recording/PC connectivity, and analog audio output through Euro block connector. Power consumption shall not exceed 6W. The microphone shall support cascading of multiple units, be easy to install, and operate both as a standalone solution with built-in DSP and in integration with external DSP matrix systems for larger installations. The unit size shall be approximately 220 × 220 × 42 mm and weight around 1.0 kg.</p>	2 Nos.	1,77,436.00	Each	3,54,872.00
4	<p>Supply, Installation, Testing & Commissioning of HDMI 2.0 4×1 Seamless Switcher with Multiviewer capable of supporting video resolutions up to 4K@60Hz (4:4:4) in compliance with HDMI 2.0b, HDCP 2.2, and HDCP 1.x standards, with 18Gbps uncompressed bandwidth. The switcher shall provide 4 HDMI inputs and 1 HDMI output, along with USB 3.2 Gen 1 (up to 5Gbps) connectivity, enabling seamless single-screen switching and fast switching in multiview mode without black screen or tearing. The unit shall support multiple multiview display layouts including Auto, Single, PIP, PBP, Triple, and Quad modes, allowing simultaneous display of multiple sources on a single UHD monitor. It shall support HDR10, HDR10+, HLG, and Dolby Vision pass-through, along with HDR to SDR conversion, and provide audio de-embedding via analog (RCA) and optical (S/PDIF) outputs, supporting formats such as LPCM, Dolby Digital/Plus/EX,</p>	2 Nos.	1,19,923.00	Each	2,39,846.00

	DTS, and up to 7.1 channel audio. The system shall include advanced EDID management, OSD menu navigation, volume control, and independent audio selection, and shall be controllable via front panel buttons, IR remote, keyboard/mouse hotkeys, controller software, and RS-232 interface. The unit shall include a built-in USB hub with multiple USB host and device ports, enabling integrated USB switching functionality. The device shall support color spaces RGB, YCbCr 4:4:4/4:2:2/4:2:0 with 8/10/12-bit color depth, and incorporate ESD protection as per IEC 61000-4-2 standards. The hardware shall be housed in a durable metal enclosure, with compact dimensions of approximately 220 × 100 × 44 mm, operating on AC 100–240V power with DC 12V/2.5A adapter, with maximum power consumption of ~18.5W, and suitable for operation in environments with 0°C to 40°C temperature and 20–90% non-condensing humidity, making it ideal for professional AV and conferencing applications.				
5	Supply, Installation, Testing & Commissioning of 4-Port PoE Switch shall consist of 4 × 10/100M PoE ports with 2 × 10/100M Ethernet uplink ports and shall comply with IEEE 802.3, IEEE 802.3u, and IEEE 802.3x network protocols. The switch shall support PoE standards IEEE 802.3af (15.4W) and IEEE 802.3at (30W) per port. Network media supported shall include 10BASE-T Cat 3/4/5 UTP up to 100 meters and Cat 6 UTP up to 250 meters (as per site conditions). The performance specifications shall include switching bandwidth of minimum 5.6 Gbps, MAC address table of 1K entries, packet buffer memory of 1 Mbits, packet forwarding rate of 14880 pps per port at 10 Mbps and 148800 pps per port at 100 Mbps. The switch shall be complete with all necessary accessories and mounting hardware and shall be installed, tested, and commissioned as required at site.	2 Nos.	10,401.00	Each	20,802.00
6	Supply, Installation, Testing & Commissioning of Desktop Visualizer equipped with a 1/3" CMOS image sensor capable of delivering high-definition image output, with 10x optical zoom and 10x digital zoom for detailed object visualization. The system shall support a frame rate of 30 fps and a shooting area suitable for A4 size documents, with fast autofocus response and manual focus options. The visualizer shall provide multiple output resolutions including XGA, SXGA, 720p, and 1080p, with a total resolution of 2 megapixels and horizontal resolution up to 1000 TV lines. It shall include features such as auto/manual white balance, brightness adjustment, image mirror, rotation, split screen, black & white/color conversion, image freeze, and on-screen display (OSD). The unit shall support multiple input/output interfaces including VGA, HDMI, and audio ports, along with USB 2.0 connectivity for image and video transfer to PC, and shall be compatible with Windows and Linux operating systems. The visualizer	2 Nos.	51,395.00	Each	1,02,790.00

	shall come with remote control functionality (360° controllable) and integrated dual arm LED light source for clear illumination of objects. Additional features shall include Kensington lock provision for security, compact design				
7	Supplying, Installation, Testing and Commissioning of following size LED display (LED monitor) industrial grade with 3840x2160 resolution or better, USB playback, bluetooth and miracast connectivity, 4XHDMI 2.0, DP 1.2, HDR 10/10+, brightness: 500-nits or better, Video wall mode should be available, contrast ratio: 1200:1, OPS slot, viewing angle (H/V): 170°/ 170°, response time less than 12ms, Display control shall be on monitor screen and programmable with remote (remote shall be supplied with system), Key Board, Optical Mouse, etc. as required.				
7.01	42 inch or larger	2 Nos.	51,459.00	Each	1,02,918.00
8	Supply, Installation, Testing & Commissioning of Business Mini PC Desktop, Core i7-10710U up to 4.20 GHz, 6core 12 Thread 12MB Cache (Barebone) 8 Gb Ram 256 Gb SSD with window 11 Pro Licance Active ,WiFi 6, BT5.2, HDMI 4K@60Hz 3 Screen Display, Dual Ethernet Ports, Win 11 Pro Wireless Keyboard & Mouse etc complete as required.	2 Nos.	1,04,014.00	Each	2,08,028.00
9	Supply, Installation, Testing & Commissioning of 10 Mtr Active USB Cable	2 Nos.	13,950.00	Each	27,900.00
10	Supply, Installation, Testing & Commissioning of HDMI Cable with support for 4K Resolutions and Length: 15 Feet	2 Nos.	10,034.00	Each	20,068.00
11	Supply, Installation, Testing & Commissioning of HDMI Cable with support for 4K Resolutions and Length: 3 Feet	6 Nos.	5,629.00	Each	33,774.00
12	Supplying, drawing, Installation, Testing and commissioning of CAT6 UTP LSZH 23AWG Twisted Pair Cable in existing conduit/ on surface, Category 6 Unshielded Twisted Pair, 4 pair should be complied as per UL/ETL verification program for compliance with ANSI/TIA-568.2-D standard. Outer diameter should be in the range of 6.1mm nominal with Operating Temperature Range : -5° to +60°C, Bending Radius : < 4 X Cable Diameter at -5°C ± 1°C and Pulling Force : 11.5Kg etc. complete as required.				
12.01	1 Run of cable	30 Mtrs.	60.00	Meter	1,800.00
13	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
13.01	25 mm	30 Mtrs.	168.00	Meter	5,040.00

14	Supplying and fixing of following size Wall Mount Rack having Fixed Structure with 0.8mm CRCA Sheet, completely knocked-down condition (CKD) Shape, Vertical Mounting Rail 1.6 mm with 'U'Marking, Minimum 2 cable entry/exit provision at Top and bottom with rubber protection, Front 5mm Toughened Glass with lock, wall mounting kit, Powder coated Color- RAL- 7035, complied with UL & RoHS, 2 x 6 sockets 16A power distribution units, 3 numbers closed cable organizer, Hardware mounting screws packet of 20 x 1 number, etc. complete as required.				
14.01	9U Rack	2 Nos.	8,960.00	Each	17,920.00
15	Providing Unlimited Data and 1 Gbps speed Internet Connection of MTNL/ Airtel/ Jio/ Vodafone any other operator for smooth functioning of system etc. complete as reqd.	12 Months	5,481.00	Month	65,772.00
	Total				18,62,326.00

Sd/-
Executive Engineer (E)
PWD HMED South West
DAP Lines, Vikas Puri
New Delhi