GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

NOTICE INVITING e-TENDER

NIT No.: 42/NIT/EE(E)-Agra/2026-27*

Name of work:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)*

Estimated Cost put to tender (ECPT)	: -	₹ 49,23,000/-*
Earnest Money	:	₹ 98,460/-*
Performance Guarantee	:	PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher,
Security Deposit	:	2.5% of tendered amount
Period of Completion	:	02 (two) Months*

Certified that This NIT Contains from 1 to 83 pages only in chronological order.

EXECUTIVE ENGINEER (E)- AGRA
C.P.W.D., SANJAY PLACE, AGRA (UP)

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra

INDEX

NIT No.: **42/NIT/EE(E)-Agra/2026-27**

Name of work:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)

Sl. No.	Description	Page No.
1	COVER PAGE	1
2	INDEX	2
3	NOTICE INVITING e-TENDER	3
4	PART A	4
5	INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT	5
6	Receipt of deposition of original EMD	33
7	CPWD-6 FOR E- TENDERING	34
8	CPWD- 7	42
9	PROFORMA OF SCHEDULES	44
10	NIT PART-B	52
11	TERMS & CONDITIONS	53
12	ADDITIONAL TERMS & CONDITION	59
13	TECHNICAL BID DOCUMENT	62
14	LIST OF PREFERED MAKE	77
15	SCHEDULE OF QUANTITY	78
16	Bid template	83

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT
O/o EXECUTIVE ENGINEER (ELECTRICAL)-AGRA GPOA BUILDING
(KENDRALAYA), Block no- 63/4, FIRST FLOOR,
SANJAY PLACE, AGRA- 282002 (UTTAR PRADESH)
Phone- 0562-2523790 e-mail: eeacedcpwd.ag-up@gov.in

NOTICE INVITING e-TENDER

Executive Engineer (Elect)-Agra, CPWD, 63/4, General Pool Office accommodation (GPOA Kendralaya), First Floor, Sanjay Place, Agra-282002, **eeacedcpwd.ag-up@gov.in** on behalf of the President of India invites online percentage rate bids from **Manufacturers/ OEM/ Specialized firms/ Approved and eligible CPWD Buildings & Roads category contractors** of appropriate category satisfying the eligibility criteria in **two/ ~~Three~~ bid** system for the following work:

Table 1: Brief Particulars and Timelines

	Particulars	Particulars
1.	NIT No.	**42/NIT/EE(E)-Agra/2026-27**
2.	Name of work & Location	Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)
3.	Estimated cost put to tender (In Rs.)	₹ 49,23000/-
4.	Earnest money (In Rs.)	₹98,460/-
5.	Stipulated period of completion of work	02(Two) Months
6.	Date & time of pre-bid meeting in the chamber of EE(E)- Agra	02:00 PM on 17/**11/2026***
7.	Last date & time of submission of bid, copy of receipt for deposition of original EMD and other documents as specified in the bid document	Upto 4:00 PM on 27/**11/2026***
8.	Date & time of opening of Eligibility cum Technical Bid	AT 4:30 PM on **27/11/2026***
9.	Date & time of opening of Financial Bid	AT 4:30 PM on **30/11/2026***

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 the website https://etender.cpwd.gov.in or CPWD or www.cpwd.gov.in free of cost.

EXECUTIVE ENGINEER (E)- AGRA
C.P.W.D., SANJAY PLACE, AGRA (UP)

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

NIT Part- A

CPWD -6, CPWD – 7,
Schedule A to F, Standard

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT
(Applicable for inviting bids 2/3 bid system)

Executive Engineer (E.)-Agra, CPWD, 63/4, General Pool Office accommodation (GPOA Kendralaya), First Floor, Sanjay Place, Agra-282002, on behalf of President of India invites online bids from **Manufacturers/ OEM/ Specialized firms/ Approved and eligible CPWD Buildings & Roads category contractors** satisfying the eligibility criteria in **two/ ~~Three~~** bid system for the following work:

S. No.	NIT NO.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of Completion of work	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the NIT	Date & time of opening of eligibility/ technical bid
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(6)**	**(7)**	**(8)**
1-	**42/NIT/EE(E)-Agra/2026-27**	*Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works. -Balance Work (SH: SITC of Audio-Visual System)*	₹ 49,23,000/-	₹98,460/-	02 (Two) Months	Upto 4:00 PM on **27/11/2026**	At 4.30PM on **27/11/2026 (eligibility cum technical bid)** At 4.30PM on **30/11/2026 (Financial bid)**

1. (a) Contractors who fulfil the following requirements shall be eligible to apply. Joint ventures are not accepted. **[1(b), 1(c), 1(d) are not applicable for CPWD enlisted contractors of appropriate class. 1(a)(i), (ii) and 1 (e) are applicable for both CPWD and non-CPWD enlisted contractors also].**

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

   (i) Three similar works each costing not less than Rs. 19,70,000/-*, or two similar works each not less than Rs 29,54,000/- or one similar work not less than Rs 39,39,000/-* Similar work shall mean works of SITC of Audio-Visual System*. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated

from the date of completion to previous day of last day of submission of tenders.

(ii) ~~For EPC tenders under Mode I /II only (Applicable for CPWD enlisted contractors of appropriate class also).~~

~~One completed work costing not less than Rs …….executed with the structural system technology, as proposed by bidder and mentioned in the letter of transmittal. This work can be part of eligible work at 1(a)(i) above or as a separate work. The value of executed work shall be brought to the current level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of tenders. (OM No. DG/SOP 2022/07 dated 09.11.2022)~~

(iii) If the bidder is CPWD enlisted contractor and does not have adequate experience of specialized work as mentioned above, then the bidder can associate with contractor having requisite experience of executing specialized work as mentioned above. Bidder has to submit MoU in the prescribed format form BB with such associate contractor, for execution of each of the specialized E&M work(s). The associated contractor must satisfy the eligibility criteria as mentioned in para 1 (a) (i) above.

Associated contractor should not have been debarred from any Ministry or any govt. organization in the last five years.

(b) Should have had Average Annual Financial Turnover of Rs. **14,77,000/-*** (at least 30% of the estimated cost put to tender) on works during the last three years ending **31st March 2026** (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded). The value of annual turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum. (OM No. DG/SOP 2022/07 dated 09.11.2022)

(c) Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending **31st March 2026**.

(d) Should have a Banker's Certificate from a commercial Bank for Minimum Rs **19,70,000/-** *(40% of ECPT) or Net Worth certificate from CA with Unique Document Identification Number (UDIN) of minimum **Rs 4,93,000/-*** (minimum 10 % amount of ECPT) (Scanned copy of original to be uploaded).

(e) Should have bidding capacity equal to or more than the estimated cost of the work put to tender. The bidding capacity shall be worked out by the following formula:

Bidding Capacity = {[AxNxM]-B}

Where,

A = Maximum turnover in any one year during the last seven years taking into account the completed as well as works in progress. The value of annual turnover shall be brought to current costing level by enhancing at a simple rate of 7% per annum.

N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

M = Multiplier Factor, the value of M may be taken as under:-

(i) 1.5 for the bids with estimated cost upto Rs. 1000 crore.

(ii) 2.0 tor the bids with estimated cost above Rs. 1000 crore and upto 2000 crore.

(iii) 2.5 for the bid with estimated cost above Rs. 2000 crore.

B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.

- Bidding capacity formula, for CPWD contractors who are enlisted based on rule 6.1.7 of Enlistment Rules-2024 i.e. government retired engineer/ architect for three years from the date of issue of enlistment order, is as follows:-

  Bidding Capacity ={[AxNxM]-B}

  Where

  A =Banker certificate figure as submitted by applicant (i.e. government retired engineer/ architect) at the time of enlistment for first year of enlistment and subsequent fresh bankers certificate for second and third year respectively. Value of A for first year will be mentioned in the enlistment order by the member secretary of advisory committee for enlisting authority.

  N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

  M = Multiplier Factor, the value of M may be taken as under:-

  (i) 1.5 for the bids with estimated cost upto Rs. 1000 crore.

  (ii) 2.0 tor the bids with estimated cost above Rs. 1000 crore and upto 2000 crore.

  (iii) 2.5 for the bid with estimated cost above Rs. 2000 crore.

  B = Value of existing commitments of ongoing works during the period of execution of work for which bids have been invited. This value is for newly enlisted entity. Within three years from the date of issue of enlistment order, the newly enlisted entity has to develop its own bidding capacity and thereafter the general bidding capacity formula being used for other entities shall be applicable to it for calculation of bidding capacity. Newly enlisted entity may like to follow general bidding capacity formula even before period of three years if it so chooses.

- Bidding capacity, for CPWD contractors who are enlisted based on rules 9.6.3 & 9.6.4 of Enlistment Rules-2024 i.e. new entity based on previously enlisted entity for three years from date of issue of enlistment order, is as follows: -

  Annual turnover of newly enlisted entity shall be in proportion to the shareholding of partners/ directors in the original enlisted entity at the time of enlistment of the newly enlisted entity. Within three years from the date of issue of enlistment order, the newly enlisted entity has to develop its own bidding capacity and thereafter the general bidding capacity formula being used for other entities shall be applicable to it for calculation of bidding capacity. Newly enlisted entity may like to follow general bidding capacity formula even before period of three years, if it so chooses. Bidding Capacity for newly enlisted entity based on rules 9.6.3 & 9.6.4 enlistment rules -2024 shall be as follows :-

  ={[A'xNxM]-B}

  Where

  A' = Proportionate share of newly enlisted director/partner in originally enlisted company/firm multiplied by the factor A, as given below. Value of A' will be mentioned in the enlistment order by member secretary of Advisory committee for Enlistment Authority, it will remain same for three years.

  A = Maximum turnover in any one year during the last seven years taking into account the completed as well as works in progress. The value of annual turnover shall be brought to current costing level by enhancing at a simple rate of 7% per annum. This value is of originally enlisted entity at the time of enlistment of newly enlisted entity.

  N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

  M = Multiplier Factor, the value of M may be taken as under:-

  (i) 1.5 for the bids with estimated cost upto Rs. 1000 crore.

  (ii) 2.0 tor the bids with estimated cost above Rs. 1000 crore and upto 2000 crore.

  (iii) 2.5 for the bid with estimated cost above Rs. 2000 crore.

  B = Value of existing commitments of ongoing works during the period of execution of work for which bids have been invited. This value is for newly enlisted entity.

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. This information and instructions for bidders posted on website shall form pay of bid document.

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

4. The bid document consisting of Plans, Specifications, Schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website https://etender.cpwd.gov.in or www.cpwd.gov.in free of cost.

5. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e- Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of **Executive Engineer, ACD, CPWD, AGRA** as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.

6. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step-to-step process are available on download section of https://etender.cpwd.gov.in

7. The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/transactions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instruction available on download section of https://etender.cpwd.gov.in

8. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.

9. Contractor can upload documents in the form of JPG format and PDF format.

10. Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/ Certificate from CA mentioning Financial Turnover of last 7 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.**

11. Contractor must ensure to quote rate of each item as specified in the BID sheet. The column meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below/ at par on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

12. The Eligibility /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.
13. Pre Bid conference shall be held in the chamber of **EXECUTIVE ENGINEER (E)- AGRA C.P.W.D., SANJAY PLACE, AGRA (UP)** to clear the doubt of intending bidders, if any.
14. 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.
15. 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.

16. List of Mandatory Documents for eligibility bid to be scanned and uploaded within the period of bid submission:

16.1 Letter of transmittal (Proforma attached in this NIT)

16.2 Treasury Challan/Demand Draft/Pay order or Banker ‘s Cheque /Deposit at Call Receipt/FDR/ Bank Guarantee of any Scheduled Bank against EMD.

16.3 Copy of receipt for deposition of original EMD to division office of any EE, CPWD.

16.4 CPWD enlistment order, if applicable. **(Applicable for CPWD contractor only)**

16.5 Valid Certificates of Work Experience.

16.6 Certificate of Financial Turnover from CA.

16.7 FINANCIAL INFORMATION (FORM 'A')

16.8 Banker's Certificate form ‘B’ or Net Worth Certificate form ‘B-1’

16.9 DETAILS OF ELIGIBLE SIMILAR NATURE OF COMPLETED WORKS in FORM ‘**C’**

16.10 PROJECTS UNDER EXECUTION FORM- ‘C-1’

16.11 Bidding capacity as per Form ‘C-3’

16.12 STRUCTURE & ORGANISATION -FORM ‘E’

16.13 Affidavit on non-judicial stamp paper of Rs 10/- as per clause 1.2.2 of CPWD 6 as following: -

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).

16.14 GST registration Certificate, if already obtained by the bidder: -

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.

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

16.15 Any other Document as specified in the NIT

17 List of mandatory Documents for technical bid to be scanned and uploaded within the period of bid submission: **(CPWD, NON-CPWD both agencies have to associate with the OEM and submit technical bid during the submission of eligibility bid)**

17.1 Annexure -1 - Compliance of technical specification of Interactive display

17.2 Annexure -2 - Compliance of technical specification of video conferencing camera.

17.3 Annexure -3 - Compliance of technical specification of wireless microphone

17.4 Annexure -4 - Compliance of technical specification of ultra-thin retractable screen

17.5 Compliance of technical specification of Audio podium for training & conference room

17.6 Compliance of technical specification of smart display/TV of conference room

17.7 Compliance of technical specification of chairman & delegate units

17.8 Compliance of technical specification of digital podium with speakers & Amplifiers units

(Note- The Retractable Monitor, Digital Podium, PTZ Camera, Chairman/Delegate Units with Controller, DSP, Amplifier, Speakers, speakerphone and microphone must be sourced from a single OEM to ensure seamless integration and avoid compatibility issues.)

18 **List of mandatory Documents to be submitted along with the performance Guarantee after tendering process**

Successful bidder to submit along with the performance guarantee after the acceptance of his/her bid/tender, an undertaking from the OEM signed by a competent authority regarding:

(i) **Annexure- IX** -Authorization certificate from OEM on the original letter head of the OEM.

(ii) The OEM will unconditionally support the successful bidder technically throughout the execution of contract as well as for Maintenance/ Comprehensive Maintenance Contract for the useful life of the system, and

(iii) OEM will make available all the spare parts required for healthy functioning of the equipment for at least seven years from the date of supply of equipment on payment basis after completion of warranty period.

PROFORMA – 1:

CRITERIA FOR EVALUATION OF THE PERFORMANCE OF CONTRACTORS FOR PRE-ELIGIBILITY

	Attributes		**Evaluation**	
(a)	Financial strength	**(20 marks)**		
	(i) Average annual turnover (ii) Banker's Certificate	16 marks 4 marks	(i) 60% marks for minimum eligibility criteria (ii) 100% marks for twice the minimum eligibility criteria or more in between (i) & (ii) - on pro-rata basis	
(b)	Experience in similar class of works	**(20 marks)**	(i) 60% marks for minimum eligibility criteria (i) 100% marks for twice the minimum eligibility criteria or more in between (i) & (ii) - on pro-rata basis	
(c)	Performance on works (time over run)	**(20 marks)**		
	Parameter	Calculation for points	Score	Maximum Marks
	If TOR = i. Without levy of compensation ii. With levy of compensation iii. Levy of compensation not decided		1.0 2.0 3.0 >3.5 20 15 10 10 20 5 0 -5 20 10 0 0	20
	TOR = AT/ST, where AT=Actual Time; ST=Stipulated Time in the Agreement plus(+) justified period of Extension of Time **Note:** Marks for value in between the stages indicated above is to be determined by straight line variation basis.			
(d)	Performance of works (Quality) ~~as per Assessment in Form D-1.~~ (40 marks)			
	i. Outstanding- 40 Marks ii. Very Good - 30 Marks iii. Good - 20 Marks iv. Poor - 0 Marks **Note: Successfully completed/ Satisfactory/ Fair shall be treated as Good.**			

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

SECTION - I
BRIEF PARTICULARS OF THE WORK

1. Salient details of the work for which bids are invited are as under:

S. No.	Name of work	Estimated cost	Period of completion
1.	Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)	₹49,23,000/-	02 (Two) Months

2. The work is situated at CDGI,Firozabad, Uttar Pradesh
3. General features and major components of the work are as under:

   (i) SITC of Audio-Visual System with all allied cabling. (ii)

   (iii)

   (iv)

4. Work shall be executed according to General Conditions of Contract for Central P.W.D. Works available separately at printer's outlets and the official website of CPWD www.cpwd.gov.in . The bidder may obtain the address of the outlets from the Executive Engineer.

SECTION - II

1.0 General :

INFORMATION & INSTRUCTIONS FOR BIDDERS

1.1 Letter of transmittal and forms for deciding eligibility are given in Section III.

1.2 All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a "nil" or "no such case" entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the bid being summarily disqualified. Bids made by telegram or e-mailed or telex and those received late will not be entertained.

1.3 References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by an officer not below the rank of Executive Engineer or equivalent.

1.4 The bidder may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of eligibility criteria document unless it is called for by the Employer.

2.0 Definitions:

2.1 In this document the following words and expressions have the meaning hereby assigned to them.

2.2 Employer: Means the President of India, acting through The Executive Engineer (E)- Agra, CPWD, Sanjay Place Agra (U.P).

2.3 Bidder: Means the individual, proprietary firm, firm in partnership, limited company private or public or corporation.

2.4 "Year" means "Financial Year" unless stated otherwise.

3.0 Method of application:

3.1 If the bidder is an individual, the application shall be signed by him above his full type written name and current address.

3.2 If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full type written name and the full name of his firm with its current address.

3.3 If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney should accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.

3.4 If the bidder is a limited company or a corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

4.0 Final decision-making authority.

The employer reserves the right to accept or reject any bid and to annul the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders.

5.0 Particulars provisional

The particulars of the work given in Section I are provisional. They are liable to change and must be considered only as advance information to assist the bidder.

6.0 Site visit

The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings to himself collect all information that he considers necessary for proper assessment of the prospective assignment.

7.0 Initial Criteria for eligibility

7.1 The Bidder should have satisfactorily completed similar works during the last Seven years ending last date of the month previous to the one in which tenders are invited. For this purpose cost of work shall mean gross value the completed work including cost of material supplied by the Government/Client but excluding those supplied free of cost. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent.

(i) Three similar works each costing not less than Rs.19,70,000/-, or completed two similar works each costing not less than Rs 29,54,000/-, or completed one similar work costing not less than Rs 39,39,000/-

Similar work shall mean works of **SITC of Audio Visual System**.

(ii) ~~For EPC tenders under Mode I / II only (Applicable for CPWD enlisted contractors also).~~

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

~~One completed work costing not less than Rs. ..... executed with the structural system technology as proposed by bidder in the letter of transmittal. This work can be part of eligible work at 7.1(i) above or as a separate work.~~

~~The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum; calculated from the date of completion to previous day of last date of submission of tenders.~~

7.2 The bidder should have had Average Annual Financial Turnover of Rs. **14,77,000/-** during the last three consecutive years as per the balance sheets duly audited by Chartered Accountant. Year in which no turnover is shown would also be considered for working out the average. The value of annual turnover figures shall be brought to current value by enhancing the actual turnover figure at simple rate of 7% per annum.

7.3 The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheets, duly certified and audited by the Chartered Accountant. (The balance sheet in case of Pvt./ Public Ltd. company means its standalone financial statement and consolidated financial statement both).

7.4 The bidder should have a Banker's certificate from a Commercial Bank for Rs. **19,70,000/-** Certified by his Bankers. ~~(Not required if applicant is a CPWD registered contractor of appropriate class)~~ and the bidder should submit Net worth Certificate of minimum Rs. **Rs 4,93,000/-**(minimum 10% of ECPT)–issued by the certified Chartered Accountant (on the format prescribed in form B-1).

7.5 The bidder should have sufficient number of Technical and Administrative employees for the proper execution of the contract. The bidder shall have to submit a list of these employees stating clearly how these would be involved in this work within 15 days of award of work .

7.6 Bidding Capacity (applicable for CPWD enlisted contractors also): The bidding capacity of the contractor should be equal to or more than the estimated cost of the work put to tender.

The bidding capacity shall be worked out by the following formula: **Bidding**

Capacity = {[AxNxM]-B}

Where,

A = Maximum turnover in any one year during the last seven years taking into account the completed as well as works in progress. The value of completed works shall be brought to current costing level by enhancing at a simple rate of 7% per annum.

N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

M = Multiplier Factor, the value of M may be taken as under:-

(i) 1.5 for the bids with estimated cost upto Rs. 1000 crore.

(ii) 2.0 tor the bids with estimated cost above Rs. 1000 crore and upto 2000 crore.

(iii) 2.5 for the bid with estimated cost above Rs. 2000 crore.

B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.

Note: The bidder should submit bidding capacity as per Form 'C-3'.

- Bidding capacity formula, for CPWD contractors who are enlisted based on rule 6.1.7 of Enlistment Rules-2024 i.e. government retired engineer/ architect for three years from the date of issue of enlistment order, is as follows:-

  Bidding Capacity ={[AxNxM]-B}

  Where

A =Banker certificate figure as submitted by applicant (i.e. government retired engineer/ architect) at the time of enlistment for first year of enlistment and subsequent fresh bankers certificate for second and third year respectively. Value of A for first year will be mentioned in the enlistment order by the member secretary of advisory committee for enlisting authority.

N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

M = Multiplier Factor, the value of M may be taken as under:-

(i) 1.5 for the bids with estimated cost upto Rs. 1000 crore.

(ii) 2.0 tor the bids with estimated cost above Rs. 1000 crore and upto 2000 crore.

(iii) 2.5 for the bid with estimated cost above Rs. 2000 crore.

B = Value of existing commitments of ongoing works during the period of execution of work for which bids have been invited. This value is for newly enlisted entity. Within three years from the date of issue of enlistment order, the newly enlisted entity has to develop its own bidding capacity and thereafter the general bidding capacity formula being used for other entities shall be applicable to it for calculation of bidding capacity. Newly enlisted entity may like to follow general bidding capacity formula even before period of three years if it so chooses.

- Bidding capacity, for CPWD contractors who are enlisted based on rules 9.6.3 & 9.6.4 of Enlistment Rules-2024 i.e. new entity based on previously enlisted entity for three years from date of issue of enlistment order, is as follows:-

  Annual turnover of newly enlisted entity shall be in proportion to the shareholding of partners/ directors in the original enlisted entity at the time of enlistment of the newly enlisted entity. Within three years from the date of issue of enlistment order, the newly enlisted entity has to develop its own bidding capacity and thereafter the general bidding capacity formula being used for other entities shall be applicable to it for calculation of bidding capacity. Newly enlisted entity may like to follow general bidding capacity formula even before period of three years, if it so chooses. Bidding Capacity for newly enlisted entity based on rules 9.6.3 & 9.6.4 enlistment rules -2024 shall be as follows :-

  ={[A'xNxM]-B}

  Where

  A' = Proportionate share of newly enlisted director/partner in originally enlisted company/firm multiplied by the factor A, as given below. Value of A' will be mentioned in the enlistment order by member secretary of Advisory committee for Enlistment Authority, it will remain same for three years.

  A = Maximum turnover in any one year during the last seven years taking into account the completed as well as works in progress. The value of annual turnover shall be brought to current costing level by enhancing at a simple rate of 7% per annum. This value is of originally enlisted entity at the time of enlistment of newly enlisted entity.

  N = Number of years prescribed for completion of work for which bids have been invited. The value of N shall be taken as 1 (one), where the completion period is less than one year.

  M = Multiplier Factor, the value of M may be taken as under:-

  (i) 1.5 for the bids with estimated cost upto Rs. 1000 crore.

  (ii) 2.0 tor the bids with estimated cost above Rs. 1000 crore and upto 2000 crore.

  (iii) 2.5 for the bid with estimated cost above Rs. 2000 crore.

  B = Value of existing commitments of ongoing works during the period of execution of work for which bids have been invited. This value is for newly enlisted entity.

8.0 Evaluation criteria

8.1 The detailed submitted by the bidders will be evaluated in the following manner:

8.1.1 The initial criteria prescribed in para 7.0 above in respect of experience of eligible similar works completed, loss, Banker's certificate, financial turnover and bidding

capacity etc. will first be scrutinized and the bidder's eligibility for the work be determined.

8.2 The bidders qualifying the initial criteria as set out in para 7.0 above will be evaluated for following criteria by scoring method on the basis of details furnished by them.

(a) Financial strength (Form 'A' & 'B' or B-1)	Maximum 20 marks
(b) Experience in eligible similar nature of work during last seven years (Form 'C')	Maximum 20 marks
(c) Performance on works (Form 'C') - Time over run	Maximum 20 marks
(d) Performance on works ~~(Form 'D' 1)~~ - Quality	Maximum 40 marks
Total	**100 marks**

To become eligible for short listing the bidder must secure at least fifty percent marks in each (Section a, b, c & d) and sixty percent marks in aggregate.

The department, however, reserves the right to restrict the list of such qualified contractors to any number deemed suitable by it.

Note : The average value of performance of works for time over run and quality shall be taken on the basis of performance report and eligible similar works.

9.0 Financial information

9.1 Bidder should furnish the Annual financial statement for the last five years in (Form "A"). Banker's Certificate in (Form "B") or Net worth Certificate in (Form"B-1").

10.0 Experience of similar works

10.1 Bidder should furnish the List of eligible similar nature of works successfully completed during the last seven years in (Form "C") and ongoing works as well (Form C-1).

11.0 Organization information

Bidder is required to submit the information in respect of his organization in Forms "E"

12.0 Letter of transmittal

The bidder should submit the Letter of Transmittal attached with the document.

13.0 Opening of Price bid

After evaluation of applications, a list of short-listed agencies will be prepared. Thereafter the financial bids of only the qualified and technically acceptable bidders shall be opened at the notified time, date and place in the presence of the qualified bidders or their representatives.

14.0 Award Criteria

14.1 The employer reserves the right, without being liable for any damages or obligation to inform the bidder, to:

(a) amend the scope of work and value of contract.

(b) Reject any or all the applications without assigning any reason.

14.2 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the employer would result in rejection of his bid. Canvassing of any kind is prohibited.

SECTION III

INFORMATION REGARDING ELIGIBILITY

LETTER OF TRANSMITTAL

From:-……..

…….

…….

……. To

The Executive Engineer (E)- Agra

CPWD, Sanjay Place, Agra

Uttar Pradesh

Subject: Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)

Sir,

Having examined the details given in the bid document for the above work, I/we hereby submit the relevant information.

1. I/we hereby certify that all the statement made and information supplied in the enclosed forms A to **E** 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.
3. I/we submit the requisite certified solvency certificate and authorize the Executive Engineer (E) - Agra, CPWD, Sanjay Place, Agra U.P to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/we also authorize The Executive Engineer (E)-Agra, CPWD, Sanjay Place, Agra U.P 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 eligible similar works:

Name of work	**Certificate from**

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Name of work	**Certificate from**

Certificate : It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I / We shall be liable to be debarred, disqualified / cancellation of enlistment in case any information furnished by me / us is found to be incorrect.

Enclosures:

Seal of bidder

Date of submission:

Signature(s) of Bidder(s).

FINANCIAL INFORMATION (FORM 'A')

I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Financial Years	**2025-26**	**2024-25**	**2023-24**	**2022-23**	**2021-22**
I. II. III. IV. V.	**Rs……..**	**Rs……..**	**Rs……..**	**Rs……..**	**Rs……..**

(i) Gross Annual Turn Over **Rs……..**

(ii) Profit/Loss (standalone financial statement and consolidated financial statement both).

II. Financial arrangements for carrying out the proposed work (Bidder to Describe.)

…….
…….……..…….....……
…….……..

Signature of Chartered Accountant with Seal

Signature of Bidder(s)

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

FORM "B"
BANKER'S CERTIFICATE FROM A COMMERCIAL BANK

This is to certify that to the best of our knowledge and information that M/s. / Sh……..... ..... having marginally noted address, … .....as a customer of our bank are/ is respectable and can be treated as good for any engagement up to 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, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM "B-1"

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT

"It is to certify that as per the audited balance sheet and profit & loss account during the 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)."

Unique Document Identification Number (UDIN) …….

Signature of Chartered Accountant ……..……

Name of Chartered Accountant ……..……

Membership No. of ICAI

Date and Seal

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

FORM 'C'

DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS

S. No	Name of work/ project and location	Owner or sponsoring organization	Cost of work in Lakh 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	Whether the work was done on back to back basis Yes/ No
1)	2)	3)	4)	5)	6)	7)	8)	9)	10)
1.									
2.									
3.									

*Indicate gross amount claimed and amount awarded by the Arbitration Tribunal.

Signature of Bidder(s)

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

FORM 'C'-1
PROJECTS UNDER EXECUTION

S. No	Name of work/ project and location	Owner or sponsoring organization	Cost of work in Lakh of rupees	Date of Commencement as per contract	Stipulated date of completion	Upto date percentage progress of work	Slow progress if any and reasons thereof	Name and address/ telephone number of officer to whom reference may be made	Remark
1	2	3	4	5	6	7	8	9	10
1									
2									
3									

*Indicate gross amount claimed and amount awarded by the Arbitration Tribunal.

Signature of Bidder(s)

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra

FORM 'C'-3
Calculation of bidding capacity
Details of existing commitments and ongoing works.

S. No	Name of work/ project and location	Owner or sponsoring organization	Contract value in Lakh of rupees	Date of Commencement as per contract	Stipulated date of completion	Upto date percentage progress of work	Remaining work in percentage (100- column 7)	Existing commitment Column 4 x Column 8 /100	Name and address/ telephone number of officer to whom reference may be made	Remark
1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
								Total (B) =		

Total (B) =

Maximum turnover in last seven years = Rs……

Updated value of turnover (A) = Rs……

No. of years (N) to complete this work = 1 (Here the value is 1 as the time is less than 1 year)

Bidding Capacity = {[AxNxM]-B} = Rs

Hear the value of M is = 1.5

Certificate:

I certify that all the awarded and ongoing works have been included in the above list.

(Signature of Bidder(s))

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

(FORM 'D')

SAMPLE PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "C"

1. Name of work/project & location
2. Agreement no.
3. Estimated cost
4. Tendered cost
5. Date of start
6. Date of completion
   (1) Stipulated date of completion
   (2) Actual date of completion
7. Amount of compensation levied for delayed completion, if any
   (1) Whether case of levy of compensation for delay has been decided or not -Yes/No
   (2) If decided, amount of compensation levied for delayed completion, if any
8. Amount of reduced rate items, if any
9. Performance Report

(1) Quality of work	Outstanding/Very Good/Good/Poor
(2) Financial soundness	Outstanding/Very Good/Good/Poor
(3) Technical Proficiency	Outstanding/Very Good/Good/Poor
(4) Resourcefulness	Outstanding/Very Good/Good/Poor
(5) General Behavior	Outstanding/Very Good/Good/Poor

Dated:

Executive Engineer or Equivalent

FORM "E"

STRUCTURE & ORGANISATION

1. Name & address of the bidder…….
2. Telephone no./Telex no./Fax no. ……. …….
3. Legal status of the bidder (Scan & upload copies of original document defining the legal status)
    a. An Individual……. …….
    b. A proprietary firm ……. …….
    c. A firm in partnership……. …….
    d. A limited Company or Corporation ……..…….
4. Particulars of registration with various Government Bodies (Scan & upload attested photocopy)

Organization/Place of registration	**Registration No.**
1.	
2.	
3.	
4.	

5. Names and titles of Directors & Officers with designation to be concerned with this work.
   ……..……..……..……..…….
6. Designation of individuals authorized to act for the organization
   ……..……..……..……..……..…….
7. Has the bidder, or any constituent partner in case of partnership firm, limited company / Joint Venture, ever been convicted by the court of Law? If so, give details
   ……..……..……..……..……..…….
   ……..……..……..……..…….
8. Any other information considered necessary but not included above.
   ……..……..……..……..……..…….
   ……..……..……..……..…….

Signature of Bidder(s)

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

FORM –BB

AFFIDAVIT OF MEMORANDUM OF UNDERSTANDING [M.O.U] FOR ASSOCIATED CONTRACTOR

(To be submitted for each and every specialized E&M Component)

1] M/S [Name of the firm with full address]
Enlistment Status
Valid Upto:
[Henceforth called the main contractor]

And

2] M/S [Name of the firm with full address]
Enlistment Status
Valid Upto:
[Henceforth, called Associated Contractor]

For the execution of E&M Work components (Name of the component)

Name of work:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)

NIT NO:- …../NIT/EE(E)-Agra/2026-27

This MoU is made at …… on..... between the ……. (herewith called the main contractor) and ….....(herewith called the Associated contractor).

Whereas the main contractor has agreed to entrust the specialized work of as mentioned in the NIT to the associated contractor.

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. In case of any delay in the payment by the main contractor, the associated contractor can apply to the CPWD to release the payment under Clause 7B and deduct the same from the bills of the main contractor. In case of any dispute, either of us will go for mediation by the **SE -Agra , CPWD** and his decision shall be final and binding on both of us.

We have agreed as under:

1. The Associated contractor will execute all electrical and mechanical works in the wholesome manner as per terms and conditions of the agreement.

2. All the machinery and equipment, tools and tackles required for execution of the works, as per this MoU, shall be the responsibility of the Associated Contractor.
3. The site staff required for the execution of work shall be arranged by the Associated Contractor as per terms and conditions of this MoU failing which necessary recovery may be imposed as decided by the engineer in charge from the running account bill of contract.
4. All the correspondence regarding execution of the work shall be done by the department with the main contractor. In case of non-compliance with the provisions of agreement of the work by the associated contractor, the main contractor shall be held responsible and action will be taken against him as per agreement provisions.
5. In case of non-performance, associated contractor will be debarred from participation or association in the CPWD tenders by the CPWD.

SIGNATURE OF MAIN CONTRACTOR	SIGNATURE OF ASSOCIATED CONTRACTOR
Date: Place :	Date : Place :
Witness with address (From major component contractor side)	Witness with address (From minor component contractor side)

Receipt of deposition of original EMD

(Receipt No. ……. date.....)

1- **Name of work** : Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)

2- NIT No. :- : **42/NIT/EE(E)-Agra/2026-27**

3- Estimated cost : ₹ 49,23,000/-

4- Amount of Earnest Money Deposit : ₹ 98,460/-

(in favour of "Executive Engineer, CPWD, ACD , Agra")

5- Last date of submission of bid : Upto 4:00 PM on **27/11/2026**

Followings to be filled by Original EMD receiving EE/DDH

1- Name of Contractor ……

2- Form of EMD …….

3- Amount of Earnest Money Deposit …….

4- Date of submission of EMD …….

Signature :-
Name :-
Official email ID:-
Communication address of office with telephone no:-

of EMD receiving officer along with Office stamp

(i) The Authority receiving EMD in original form examines the EMD deposited by the bidder and issues receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting authority. The receipt can also be issued by any subordinate gazetted authority as authorized by the Engineer-in-Charge/DDH.

(ii) The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency by email/fax/telephonically.

(iii) The original EMD receiving authority releases the EMD to unsuccessful bidders after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier, after verification from the e-tendering portal website (https:// etender.cpwd.gov.in>closed Tender>all) that the particular contractor is not L-1 tenderer and work is awarded.

The tender inviting authority calls for original EMD of the L-1 tenderer from EMD receiving authority immediately.

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
CPWD-6 FOR E- TENDERING

1. ~~Item rate/~~percentage rate bids are invited on behalf of President of India from **Manufacturers/ OEM/ Specialized firms/ Approved and eligible CPWD Buildings & Roads category contractors** satisfying the eligibility criteria in **two bid** system ~~and those of appropriate list of M.E.S., BSNL, Railway and…….. State P.W.D. (B&R) or State Govt.'s Department …~~.....(strike out as the case may be) ~~dealing with building and roads, if there is no State PWD (B&R)~~ for the Work of Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System).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 ₹ 49,23,000/-. This estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly 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.

1.2.1 Conditions for non-CPWD registered contractors only, if bids are also open to non-CPWD Contractors.

For works estimated cost upto tendering limit of class -I Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture category).

(i) Three similar works each of value not less than Rs. 19,70,000/- or two similar works each of value not less than Rs. 29,54,000/- or one similar work of value not less than Rs.39,39,000/-(all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.

1.2.2 Criteria of eligibility for CPWD as well as non-CPWD contractors,

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

(i) Three similar works each of value not less than Rs. 19,70,000/- or two similar work each of value not less than Rs 29,54,000/- or one similar work of value not less than Rs 39,39,000/- (all figures rounded to nearest convenient figure) in last 7 years ending last day of the month previous to the one in which tenders are invited.

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

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

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 certificate(s) and the affidavit as per the provisions 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 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 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be 2 (Two) 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, structural drawing, Single line diagram, layout plan or any other drawing/ document necessary to execute and functional the system for the work shall be prepared by the executing agency as per actual requirement at site. No drawing in any form shall be supplied by the CPWD. Before execution of work, all the drawings must got be vetted and got be approved by the competent authority.

~~or~~

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

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website *www.etender.cpwd.gov.in* free of cost.

6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it but before last date and time and date of submission of bid as notified. **No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected, and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of GPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor).**

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, ACD, CPWD, AGRA** 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 within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 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 including e- Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder 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 original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The eligibility bid submitted shall be opened AT 4:30 PM on **27/11/2026**

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
    (i) The bidder is found ineligible.
    (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
    (iii) 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 bid opening authority.
    (iv) 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 at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

12. The description of the work is as follows: Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All 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 for 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 bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids in case of single bid system and 75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system. Further

(i) If any tenderer withdraws his tender **within 7 days after last date and time (24 Hours basis)** of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender after expiry of 7 days after last date and time (24 Hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method, i.e. through letter / e-mail etc. shall not be considered.

(iv) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 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 thereto.

(b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

~~**20. For Composite Bids**~~

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

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

~~**Part A:** CPWD-6, CPWD-7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as amended/modified up to date.~~

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

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

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

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

~~20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s). EE of major component will operate Part A and Part B of the agreement. EE/DDH in charge of minor component(s) shall operate Part C along with Part A of the agreement.~~

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

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

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

~~20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component.~~

~~The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.~~

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

~~20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer-in- Charge of major and minor components.~~

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

~~20.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component.~~

~~Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.~~

20.1.2 ~~Integrity Pact: The contractor shall download the Integrity Pact, which is a part of tender documents, affix his signature in the presence of a witness, and upload the same while submitting online bids for all works of estimated cost put to tender equal or more than the threshold value given in Schedule-F. In the event of his failure to sign and upload the Integrity Pact along with other bid documents, his bid shall be rejected.~~

The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no 0562-2523790, e- mail Id eeacedcpwd.ag-up@gov.in / eebced@rediffmail.com) or ERP helpline no. 18001803286 or e-mail ld cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

CPWD- 7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

Percentage Rate~~/ Item Rate~~ Tender & Contract for Works

Tender for the work of:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)*

To be uploaded by Upto 4:00 PM on …./**…./2026** to / upload at https://etender.cpwd.gov.in

(i) To be opened on-line in presence of tenderers who may be present at AT 4:30 PM on **27/11/2026** in the office of Executive Engineer (E)- Agra, CPWD, Sanjay Place, Agra

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work..

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

We agree to keep the tender open for ~~Thirty (30) days~~ from the due date of its opening in case of single bid system from the date of opening of eligibility/ technical bid/ **for Seventy five (75) Days** in case tenders are invited on 2 /3 bid system for specialized work and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of ₹ 98,460/- earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance, performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the

C**PWD- 7**

successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.
Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of 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 there from 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 & integrity 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 an on behalf of the President of India for a sum of Rs. ……..…….. (Rupees.....)
The letters referred to below shall form part of this contract agreement:-
(a)
(b)
(c)

For & on behalf of President of India
Signature ……..
Dated: Designation ……

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per PWD-3)

SCHEDULE 'D'

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

SCHEDULE 'E'

Reference to General Conditions of contract: ***General Conditions of Contract 2023 for construction works for CPWD works (amended up to last date of submission of tender).***

Name of work:	Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)
Estimated cost of work:-	₹ 49,23,000/-
(i) Earnest money:-	₹ 98,460/-
(ii) Performance Guarantee:-	PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher, in case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount.
(iii) Security deposit :-	2.5% of tendered value

SCHEDULE 'F'

General Rules & Directions: - *Officer inviting tender:* *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*		***Executive Engineer (E), Agra Electrical Division, CPWD, Agra.*** ***See below- Clause 12***
Definitions:		
2 (i)	*Engineer-in-Charge*	***Executive Engineer (E), Agra Electrical Division, CPWD, Agra.***
2 (ii)	*Accepting Authority*	***Executive Engineer (E), Agra Electrical Division, CPWD, Agra.***

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

2 (iii)	*Percentage on cost of materials and labour to cover all overheads and profits.*	***15%***
2 (iv)	*Standard schedule of Rates*	***DSR-2025 & Prevailing Market Rate***
2 (v)	*Department*	***C.P.W.D.***

2 (vi)	*Standard CPWD contract Form GCC 2023, CPWD Form 7/ 8 as modified & corrected upto:*	***GCC 2023 for construction works as modified and amended up to last date of submission 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 . ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above.		***7 Days*** ***3 Days***

Clause 2 *Authority for fixing compensation under clause 2.*	***Superintending Engineer (Agra), CPWD, Agra***
Clause 2A *Whether Clause 2A shall be applicable*	***No***
Clause 5 *Number of days from the date of issue of letter of acceptance for reckoning date of start*	***10(ten) Days***

Mile stone(s) as per table given below: -

Table of Milestone (s)

Sl. No.	Description (Physical) of Milestone	Time allowed in days (From date of start)	Amount to be with-held of tendered amount in case of non-achievement of milestone.
1.	Preparation of all required drawing/TDS submission to the department and get approval of the competent authority	15 Days	1%
2.	Procurement and Supply of all required material at site	25 Days	1%
3.	Installation, of all the equipment	50 Days	1%
4.	Testing and commissioning of all the equipment	55 Days	1%
5.	Handing equipment over of the department. to the user	60 Days	1%
	Time allowed for execution of work	02 (Two) Months	

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Authority to decide:	
1. Authority to convey the decision of shifting of milestone and extension of time	Executive Engineer (E), Agra,Electrical Division, CPWD, Agra.
2. Authority to decide rescheduling of milestone and extension of time	*Superintending Engineer (Agra), CPWD, Agra*
3. Shifting of date of start in case of delay in handing over of site.	*Superintending Engineer (Agra), CPWD, Agra*

PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site

Part	**Portion of site**	**Description**	**Time Period for handing over reckoned from date of issue of letter of intent.**
Part-A	Portion without any hindrance	*Full site is available without any hindrance.*	*10 Days*
Part-B	Portions with encumbrances		
Part-C	Portions dependent on work of other agencies		
Clause 5 Applicable Clause 5/ Clause 5A		*Clause 5 Applicable*	

Clause 6 : Computerised Measure Book (CMB) / Electronic Measurement Book (EMB) ***Mode of measurement:*** ***(Added vide OM no. DG/CON-Maintenance-2020/338 dated 13.04.2023)*** ***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 7A* *Whether Clause 7A shall be applicable*	***EMB/CMB*** ***30 Lakh and more*** *Not applicable*
Clause 10A *List of testing equipment to be provided by the contractor at site lab.*	*As below*

Sl. No.	*Description of Item*	*Requirement*
1	*L.T. Meggar 500/1000 volts.*	*1 No.*
2	*Tong Tester.*	*1 No.*
3	*Multimeter.*	*2 Nos.*
4	*Earth tester.*	*1 No.*
5	*Vernier caliper (Digital)*	*1 Nos.*
6	*Screw gauge (Digital)*	*1 Nos.*

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra

Clause 10 – B(ii)
Whether clause 10-B(ii) shall be applicable — *No*

Clause 10C - — *Not applicable*

Component of labour expressed as percent of value of work — 25%

Clause 10CC
Clause 10CC to be applicable in contracts with Stipulated period of completion exceeding the period Shown in next column. — *Not Applicable*

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

Component of civil (Except materials covered under clause 10 CA)/ Electrical construction materials expressed as percent of total value of work.	*Xm*	*Not Applicable*
Component of labour expressed as percent of total value of work.	*Y*	
Component of POL expressed as percent of total value of work.	*Z*	

Clause 11 *Specifications to be followed for execution of work*	*CPWD's general specification for Electrical Works, Part-I (Internal), Part-II(External) to part-VIII, Indian Electricity Rules as amended up-to date.*
Clause 12 *Authority to decide deviation upto 1.5 times of tendered amount:*	*SE, Agra*
12.2	
Deviation limit beyond which clauses 12.2 shall apply for Building work	*100%*
Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site.	

Clause -18: List of mandatory Machinery, Tools & Plants to be deployed by the contractor at site for E&M Work

Sl. No.	*Description of Item*	*Requirement*
1	*Steel/Aluminum Ladder 1.5 m to 8 m.*	*2 Nos.*
2	*Chase cutting machines.*	*1 Nos.*
3	*Electrical wire drawing equipment.*	*1 Set.*
4	*Torque wrench for nut/bolt/screws.*	*1 Nos.*
5	*Conduit die set.*	*1 Set.*
6	*Pipe vice.*	*1 No.*

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

7	*Bench vice.*	*1 No.*
8	*Hydraulically operated & hand operated crimping machine.*	*1+1 No.*
9	*Portable Ordinary drilling machine.*	*1 Nos.*
10	*Portable Hammer drilling machine.*	*1 Nos.*
11	*Overhead conduit puller.*	*1 No.*

Clause 19 C…… authority to decide penalty for each default ***Engineer- in-charge.***

Clause 19 D……authority to decide penalty for each default ***Engineer- in-charge.***

Clause 19 G ……. authority to decide penalty for each default ***Engineer- in-charge.***

Clause 19 K ……. authority to decide penalty for each default ***Engineer- in-charge.***

Clause 25		
(i)	*Conciliator:*	*ADG(RL), CPWD, Lucknow*
(ii)	*Arbitrator appointing authority:*	*SE-Agra*
(iii)	*Place of Arbitration:*	*Agra*

Clause 32 Requirement of Technical Representative(s) and Recovery Rate

S. No	*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*
	Qualification	*Number (of Major + Minor components)*			
1	*Graduate or diploma engineer*	*1 of Major component*	*2 or 5 respectively*	*Project manager cum planning, quality, site, billing engineer*	*Rs 15000/- per month per person*

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. 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 holders should not exceed 50% of requirement of degree engineers.

Clause 38

(a) (i) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates ..... printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities:

(b) Cement

For works with estimated cost put to tender not more than Rs. 5 lakh. 3% plus/minus.

For works with estimated cost put to tender more than Rs.5 lakh. 2% plus/minus. N.A

(c) Bitumen All Works N.A.

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

	Steel Reinforcement and structural steel sections for each diameter, section and category	*N.A.*
(d)	*All other materials.*	*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)- Agra, CPWD, Sanjay Place, Agra** on behalf of the President of India (hereinafter called "The Government") has invited bids under-

…./NIT/EE(E)-Agra/2026-27 (NIT number) dated …… for Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System) (name of work) . The Government has further agreed to accept irrevocable Bank Guarantee for Rs. ……..…… (Rupees …… only) valid upto …… (date)*…… as 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)- Agra, CPWD, Sanjay Place, Agra** (name of division), CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number ……..... with …….....(name and address of the contractor) ……..….. (hereinafter called "the Contractor") for execution of work Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System) (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.

2. We, …… (indicate the name of the bank) ……. (herein after referred to as "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 here by 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 so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We, …… (indicate the name of the Bank) ..... , further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the 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. This Bank Guarantee shall be valid up to ……. 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 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be. **(Added vide OM No. DG/CON/ 311 dated 20.10.2020)

PART-_B

(specific conditions, specifications and schedule of quantities)

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

TERMS & CONDITIONS

Name of Work:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)

1.0 All the works shall be carried out as per CPWD General specification for Electrical Works, Part-I (Internal)-2023; Part-II (External)-2023, Part-III, Part-IV (Sub-Station), Part-V to Part-VIII amended up to date and should also comply with relevant provisions of the Indian Electricity Rules and Acts as applicable, amended up to date.

2.0 The contractor is advised to visit the site of work to have an idea of the execution of the work; failure to do so shall not absolve their responsibility to do the work as specified in agreement.

3.0 **Rates:**

3.1. The work shall be treated as on works contract basis and the rates tendered shall be for complete items of work inclusive of all taxes including GST, duties, and levies etc. and all charges for items contingent to the work, such as packing, forwarding, insurance, freight and delivery at site for the materials to be supplied by the contractor, watch and ward of all materials for the work at site etc.

3.2. Prices quoted shall be firm.

4.0 **Mobilization Advance:**

No mobilization advance shall be paid for the work, unless otherwise stipulated in tender papers for any individual works/ composite work.

5.0 **Completeness of Tender:**

All sundry fittings, assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections as required, and all other sundry items which are useful and necessary for proper assembly and efficient working of the various components of the work shall be deemed to have been included in the tender, whether such items are specifically mentioned in the tender documents or not.

6.0 **Works to be done by the contractor:**

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

(i) Cutting and making good all damages caused during installation and restoring the same to their original finish.

(ii) Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.

(iii) Painting at site of all exposed metal surfaces of the installation other than pre-painted items like fittings, fans, switchgear/distribution gear items, cubicle switchboard etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Engineer-in-Charge.

(iv) Testing and commissioning of completed installation.

(v) Storage space for all equipment's, components and materials for the work

7.0 **Storage and Custody of Materials:**

The contractor has to make his own arrangement for the storage of the material at site & necessary watch and ward of the electrical installation during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at site, if available.

The main contractor shall arrange for proper storage of the electrical fans and fittings at site and that double lock system shall be arranged for the fans and fittings after receipt at site until the time they are taken for installation. The contractor shall however be responsible for proper storage and safe custody of the same till their installation and handing over to the department.

8.0 **Electric Power Supply and Water Supply:**

Power and water supply will be arranged by the contractor at the site for installation and testing purpose on their own expenses.

Contractor will take due care to ensure safety of electrical installation during execution of work.

9.0 **Tools for handling and Erecting:**

All tools and tackles required for handling of equipment's and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor.

10.0 **Payment Terms:**

Payment shall be made on the basis of running account bill as per progress of execution of work. Stages of payment shall be as per following on prorata basis:-

(a) Against supply of material received at site in good condition- 70%

(b) On completion of pro-rata installation- 20%

(c) On commissioning and completion of work- 5%

(d) After handing over 5%

11.0 **Co-ordination with other agencies:**

The contractor shall co-ordinate with all other agencies involved in the building work so that the building work is not hampered due to delay in his work. Recessed conduit and other works, which directly affect the progress of building work, should be given priority.

11.1. **Care of buildings:**

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

12.0 **Structural Alterations to Buildings:**

(i) No structural member in the building shall be damaged/altered, without prior approval from the competent authority through the Engineer-in-charge.

(ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these required modifications or fresh provisions are required to be made, such contingent works shall be carried out by the contract at his cost.

(iii) All such openings in floors provided by the department shall be closed by the contractor after installing the cables/conduits/rising mains etc. as the case may be, by any suitable means as approved by the Engineer-in-charge without any extra payment.

(iv) All chases required in connection with the electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the buildings.

13.0 **Addition to an installation:**

Any addition, temporary or permanent, to the existing electrical installation shall not be made without a properly worked out scheme/design by a qualified Electrical Engineer to ensure that such addition does not lead to overloading, safety violation of the existing system.

14.0 **Drawings:**

(i) After award of the work, the firm will be required to submit the drawings for the proposed work including layout plan, conduit routes etc. Work will be carried out as per the approved drawings

(ii) The work shall be carried out in accordance with the drawings and the tender documents and also in accordance with modification thereto from time to time as approved by the Engineer-in-charge.

(iii) All wiring diagrams shall be deemed to be 'Drawings' within the meaning of the term as used in Clause 11 of the conditions of contract (PWD 7). They shall indicate the main switch board, the distribution boards (with circuit numbers controlled by them), the runs of various mains and sub mains and the position of all points with their controls.

(iv) All circuits shall be indicated and numbered in the wiring diagram and the points shall be given the same number as the circuit to which they are electrically connected.

15.0 **Conformity to IE act, IE Rules, and standards:**

15.1. All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956 amended up to date (Date of call of tender unless specified otherwise). List of rules of particular importance to electrical installations under these General Specifications is given in Appendix C for reference.

16.0 **General requirements of components:**

16.1. **Quality of material:** All materials and equipment's supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.

17.0 **Inspection of materials and equipment's:**

17.1. Materials and equipment's to be used in the work shall be inspected by the departmental officers. Such inspection will be of following categories:

(i) Inspection of materials / equipment's may be witnessed at the Manufacturer's premises in accordance with relevant BIS /Agreement Inspection Procedure.

(ii) To receive materials at site with Manufacturer's Test Certificate(s)

(iii) To inspect materials at the authorized dealer's go downs to ensure delivery of genuine materials at site.

(iv) To receive materials after physical inspection at site.

17.2. Adequate care to ensure that only tested and genuine materials of proper quality are used in work shall be ensured by firm. The firm shall ensure that:

(i) Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.

(ii) As and when the order is placed for the material, rising main, other main items etc., its copy shall be endorsed to the CPWD Engineer-in-charge.

(iii) The firm will be required to procure material directly from the manufacturer/ authorized dealers to ensure genuineness & quality and as per the approved makes only. Proof in this regard shall be submitted by the contractor if required by the department.

(iv) Inspection at factory or at go down of the manufacturer, as required, shall be arranged by the firm for a mutually agreed date.

(v) Delivery of material shall be taken up only with the consent of department, after clearance of the material.

(vi) Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.

17.3. Similarly, for fabricated equipment's, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.

17.4. Inspection of material shall be carried out as per CPWD Quality Assurance Policy & Checklist for E&M Services issued vide OM No. 51(4)/CE(E)/CSQ/2016/293 (hindi) dated 31/03/2016.

18.0 **Ratings of components:**

18.1. All components in a wiring installation shall be of appropriate ratings of voltage, current and frequency, as required at the respective sections of the electrical installations in which they are used.

18.2. All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.

19.0 **Conformity to standards:**

19.1. All components shall conform to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.

19.2. Relevant Indian Standards including amendments or revisions thereof up to the date of tender acceptance shall be applicable in the respective contracts for respective items, firm to ensure its compliance.

20.0 **Interchangeability:**

Similar parts of all switches, lamp holders, distribution fuse boards, Switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.

21.0 **Workmanship:**

21.1. Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.

21.2. Proper supervision/skilled workmen: The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably skilled/licensed workmen of various categories for execution of work supervised by supervisors / Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-in-charge and other senior officers of the Department during the progress of work.

21.3. Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.

21.4. Fabrication in reputed workshop: Switch boards and LT panels shall be fabricated in a factory/workshop having modern facilities like quality fabrication, seven tank process, powder/epoxy paint plant, proper testing facilities, manned by qualified technical personnel. These shall be as per make / item approved.

22.0 **Testing:**

All testes prescribed in this General Specification, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-in-charge in prescribed Performa, forming part of the Completion Certificate.

23.0 **Commissioning on completion:**

After the work is completed, it shall be ensured that the installation is tested and commissioned.

24.0 **Completion plan and completion certificate:**

24.1. For all works completion certificate after completion of work as given in Appendix –E of CPWD Specification shall be submitted to the Engineer-in-charge.

24.2. Completion plan as built drawing with all installation marking – three copes set (floor wise).

25. **INTERPRETING SPECIFICATIONS**

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

(a) Schedule of quantities

(b) Technical specifications

(c) Drawing (If any)

(d) General Specifications

(e) Relevant BIS or other international code in case BIS code is not available.

26. Dismantled material:-

(i) Received from work shall be returned to the department and deposited to JE(E) store.

ADDITIONAL TERMS AND CONDITIONS

1 The work shall be carried out strictly in accordance with CPWD General Specifications for Internal electrical work – 2023 (Internal) & 2023 (External) (Part- 1 to Part- VIII) as amended upto date and in accordance with the Indian electricity Rules 1956 and Indian Electricity act 1910 as amended upto date and as per instruction of the Engineer-in-charge.

2 All damages done to the building during execution of Electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-in-Charge. Any expenditure incurred by the department in this condition shall be recovered from the contractor and decision of the Engineer-in-Charge about recovery shall be final.

3 All the hardware items such as screws, 'thimbles', G.I. wires etc which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned. All hardware materials such as nuts/bolts/screws/washers etc., to be used in the work shall be zinc/cadmium plated iron.

4 The contractor shall employ licensed skilled wireman for electrical work as per rules and will be responsible for all safety measures including precaution for his workers. The contractor shall be responsible for any misshapen including watch and ward of all services as described in the scope of work during the period or the extended period of contact.

5 The contractor will have to arrange all types of tools and plants including ladders for day-to-day maintenance. The T & P required for all types of testing will also have to be arranged by the contractor and nothing extra will be paid on accounts of the same. The following T & P shall be kept at site of work failing which penal recovery @ 100/- per day shall be made from bulls due to the contractor:-

(a)	Earth tester	- 1 No.
(b)	Meggar 500 V	- 1 No.
(c)	Aluminium ladders	- As per requirement
(d)	Multi meter	- 1 No.
(e)	Drill Machine	- 1 No.
(f)	Crimping tool	- 1 No.

6 The contractor will arrange consumable materials such as old Dhoti, Cotton Waste, broom, floor Duster, Pochha, Surf, Vim, colin, and Detergents etc. within quoted rates.

7 The contractor will be responsible for watch and ward of the electrical installations which is to be maintained by the contractor. The contractor will take over the inventories of all the installations in the building before the commencement of the job and will hand over accordingly after the expiry of the contract. Missing items if any will have to be restored by

the contractor within quoted rates.

8 The work shall be carried out in engineering like manner. The bad workmanship will not be accepted and defects shall be rectified at contractor's cost of the satisfaction of the Engineer-in- charge. The programme of electrical works is to be coordinated in accordance with the building work and no claim for idle labour will stipulate in the tender, electrical work shall have to be completed along with completion of civil work, if any.

9 All the debris of the electrical works should be removed and the site should be cleared by the contractor immediately after the accruing of debris. Similarly, any rejected material should be immediately cleared off from the site by the contractor.

10 Watch and ward of the material equipment shall be the responsibility of the contractor till handing over of installation to the department.

11 The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-charge and to comply with the remarks therein.

12 The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, if there is any delay in construction from the department side, the installation may be taken over in parts, but the decision on the same shall rest with Engineer-in-charge which shall be a binding on the contractor.

13 Prices : The prices quoted by the firm shall be inclusive of all taxes and duties. No concessional/exemption certificate will be issued. No Central/State Sales Tax/Contract Tax/Excise Duty etc shall be separately paid be the department. No. Form-D, 31/32 (Road Permit) shall be issued by the department. The road permit shall be arranged by the tenderer at his own. Deduction of Income Tax & works Contract Tax at source shall be made while releasing payment through running/final bills as applicable. A certificate specifying the rate and amount of deduction shall however be issued.

14 Quantities indicated in Schedule of work are only tentative, contractor shall consult AE (E) - in-charge before procurement. Payment shall be made only for the quantities actually executed and measured.

15 Time period : Contractor has to plan his activities, so that electrical work is to be carried out in close co-ordination with CIVIL work, if any and in no case CIVIL work be delayed because of delay in electrical work and the work has to be completed accordingly.

16 (a) Material to be used in the work shall be ISI marked as applicable. The material to be used in the work shall be got approved from the Engineer-in-Charge before its use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.

(b) Contractor shall preserve the copies of invoices, test certificates, gate passes etc. to prove the Genuineness of material / purchases. The same must be produced to the engineer-in- charges on demand. The responsibility of procurement of genuine material of specialized makes shall rest with the contractor.

17 Contractor is advised to visit site before quoting rates for determining site conditions. No claim or argument shall be entertained in this regard at later stage.

18 No drawing will be accepted through email. Hard copy of drawings duly signed by Contractor's Engineer will only be approved, if applicable.

19 Contractor will give warrantee certificates to the departments.

20 Payment shall be released only after submission of PAN No., Bank A/c details with IFSC code etc and Valid GST No. of the state where work is to be executed. If payment is delayed due to non- submission of PAN No., Bank A/c details with IFSC code etc and Valid GST No. then, responsibility for the same will lie on the part of the contractor and no claim / interest etc. will be paid by the department on this account.

21 The Contractor shall pay the latest applicable minimum wages to the deputed staff as notified by the Chief labour Commissioner (Central).

22 The contractor will provide EPF and ESI Registration no. of his firm & also EPF and ESI Registration No. of their staff.

23 The department reserves the right to terminate the contract, any time without assigning any reason and no claim of any kind shall be entertain on this account.

24 The department shall not be responsible for accident or labour claim during the course of work. The contractor shall bear all the claims on this account as per relevant clauses of the contract.

25 Any damage to the equipment due to the negligence of the contractor, the cost of repair/rectification shall be recovered from the contractor's due payments and the decision of the Engineer-in-charge shall be final and binding on the contractor in this regard.

EXECUTIVE ENGINEER (E)- AGRA
C.P.W.D., SANJAY PLACE, AGRA (UP)

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

Technical bid documents

Annexure -I

Compliance of technical specification of Interactive Display

Proposed Make: - …….

Proposed Model name/ number: - …….

S.No		Technical Specification		Compliance (Yes/No)
1	Hardware	Size (Diagonal)	86''	
2		Panel Type	IPS	
3		Resolution	3840x2160	
4		Display response time	8 ms or better	
5		Viewing angle	178°	
6		Color Depth	10 bits with 1.07 billion colours or higher	
		Color gamut	72% NTSC	
8		Panel Surface	AG with Haze 25% or better	
9		Lifetime (Typical)	50000 Hours or higher	
10		Contrast ratio	1200:1 and above	
11		Dynamic Contrast Ratio	50000:1 or better	
12		Brightness (Typical)	450 nits or higher	
13		Touch Technology	Infrared Touch	
14		Touch Accuracy	±1.0 mm	
15		Touch Response	< 5 ms or better	
16		No. of Touch Points	Upto 40 Touch Points	
17		Built-in OS	Android 16.0 EDLA Certified	
18		Processor	Octa Core Processor or better	
19		NPU	6TOPS	
20		RAM	8 GB or Higher	
21		Internal Memory	128 GB	
22		Hardness (Mohs)	Should be atleast 9H Tempered 4mm	
23		Total Ports	HDMI In 2.0 x 3, HDMI Out x 1, USB-A 3.0 x 3, USB-A 2.0 x 1, USB-B 2.0x 2, USB Type-C 2.0 x 1, RS232 x 1 Earphone (3.5 mm) x1 , Mic in x 1, SPDIF x 1, OPS Slot x 1, LAN In/Out x 1	
24		Wifi & Bluetooth (Built In)	Wi-Fi 6.0, Bluetooth 5.2 or higher	
25		Operating Temp	0°C ~ 40°C	
26		Operation Hours	Atleast 18/7	
27		Built in speaker	20W x 2	
28		Power Consumption (Typ.)	104 Watt	
29		Stylus	2 nos.	
30		Management	Device Management Services- App Should be preinstalled by default in IFP and serve as a centralized management tool to oversee all IFP's in the network, App installation and Uninstallation and OTA update. Developed by	

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra

			the same OEM, and provided with lifetime access.	
31	Software	Annotation Tool	Should be able to Annotate on screen with tools like Pen, Eraser, Partial Capture	
32		Document Read/ Write	Should be able to Open and edit documents like MS Word, Excel, PPT. Should be able to open PDF Documents	
33		Wireless Content Sharing	Ability to wirelessly share 9 simultaneous devices at a time from Android/iOS-based smartphones and tablets and Windows/ MAC laptops. Reverse casting, webcasting & Annotation is also possible to display the content from IFP to your own Laptop, android or I-pad.	
34		Built-in Whiteboard software in Android	Should have feature of Pen, Highlighter, Dual Pen, Eraser and option to select colors from various colors using color pellete, Change background colour, inbuilt templates	
35			Should have option to add more than 900 pages in whiteboard	
36			Text to Word conversion and option to copy and paste	
37			AI Features like Text to Speech, OCR (Optical Character Recognition), Shape recognition, Handwriting Recognition.	
38			Option to translate text to eight Indian regional languages including Hindi, Kannada, Tamil, Telugu etc	
39			Add tools like Scale, Protractor, Set square, Compass, Stopwatch, Countdown timer, Scoreboard, Random Number Generator, Calculator, Spin wheel, Revel Tool, Mind maps, 2D Image Library, and Team post	
40			Should be able to add 2D Shapes and 3D Shapes	
41			Should be able to directly insert word, power point presentations, PDF, Webpage link, youtube link, image, videos, audio files, USB/ Document Camera, Google Slides,	
42			Change Background colour, Background Templates	
43			Recording through Whiteboard	
44			Cloud whiteboarding is possible if any person wants to join the lecture or video session from remote location through internet. Remote person can also annotate through cloud whiteboarding.	
45			Should be able to save the whiteboard by scanning QR Code	
46			Whiteboard software should have selection tool	

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

47			Whiteboard software should available in Windows and Web Version	
48		Google Services & Security	Available	
49		Google Drive Access	Available	
50		Google Play store	Available	
51		Floating Tool/ Quick Access Side Bar/ Quick Access Tool	Ability to annotate on running video	
52		Screen Recording	Screen Recording	
53		Warranty	3 years onsite	
54		Accessories	Remote Control, Power Code (By Region), Stylus x 2, Quick Start Guide, Regulation Sheet, Touch USB Cable, HDMI Cable, Wall Mount	
55		IFP-OEM should have valid certificates:	BIS, RoHS, CE, CB, FCC, ISO 9001, ISO 14001, ISO 45001, Energy Star, SIAA Certification for germ resistance or equivalent	

Date:- Signature of the bidder
Place:- Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Annexure-II

Compliance of technical specification of Video Conferencing Camera

Proposed Make:- …….

Proposed Model name/ number:- ……..

S.No	Parameter	Specifications	Compliance (Yes/ No)
1	Sensor	1/2.5 inches CMOS, 8.51 Megapixels or better	
2	Lens	f4.4mm-52.8mm, F1.8-F2.6	
3	Field of View (FOV)	78°	
4	Video Format	YUY2: Max 1080P@30fps; MJPEG: 2160P@30fps; H.264 AVC/SVC: Max 2160P@30fps	
5	Optical Zoom	12x	
6	Digital Zoom	16x	
7	AI Features	Presenter Framing, Group Framing, Humanoid Tracking, and Target Tracking	
8	Minimum Illumination	0.5Lux @(F1.8, AGC ON)	
9	Shutter	1/30s - 1/10000s	
10	White Balance	Auto, indoor, outdoor, one-push, manual VAR	
11	Backlight Compensation	Supported	
12	Digital Noise Reduction	2D & 3D DNR	
13	Signal-to-Noise Ratio (SNR)	>55dB	
14	Pan Angle	170°	
15	Tilt Angle	-30° to 90°	
16	Pan Speed	2.7° - 35.7°/s	
17	Tilt Speed	2.7° - 31.5°/s	
18	Image Flip	Supported	
19	Preset Positions	255	
20	Video Compression	H.264/MJPEG	
21	Video Stream	Dual Stream (First and Second Stream)	
22	First Stream Resolution	3840x2160, 1920x1080, 1280x720, etc.	
23	Second Stream Resolution	1920x1080, 1280x720, 1024x576, etc.	
24	Video Bit Rate	32kbps - 20480kbps	
25	Frame Rate	50Hz: 1fps - 25fps; 60Hz: 1fps - 30fps	
26	Audio Compression	AAC	
27	Audio Bit Rate	96kbps, 128kbps, 256kbps	
28	Protocols	NDI (Optional), TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, SRT, GB/T28181, Multicast	
29	USB Interface	1 x USB 3.0 Type-C	
30	HD Output	1 x HDMI	
31	Network Interface	1 x RJ45: 10M/100M/1000M Adaptive Ethernet	
32	Audio Interface	1 x Line In (3.5mm jack)	
33	Control Interface	1 x RJ45 (IN), 1 x RS232 IN (8Pin mini DIN, Max Distance: 30m), Protocol: VISCA/Pelco-D/Pelco-P	

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

34	Power Interface	DC IN 12V	
35	Accessory	IR Remote Control and Wall Mount kit (included as standard accessory)	
36	Certifications	It should have BIS (Indian), CE, FCC, RoHS, and CB Certification. CB Test Reports must be submitted.	

Date:- Signature of the bidder

Place:- Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Annexure-III

Compliance of technical specification of Wireless Microphone

Proposed Make:- …….

Proposed Model name/ number:- …….

S No	Parameter	Specifications	Compliance (Yes/ No)
1	Wireless Microphone System	It should be supplied with 1 Wireless Handheld and 1 headband microphones	
2	Out Put	The receiver should have 1 number mixed Output	
3	Frequency Band	The Microphones & Receiver should work on UHF frequency band.	
4	Frequency Response	It should have a frequency response of 40Hz to 17000 Hz or better.	
5	Antennas	It should have as 2x Antennas	
6	Interface	It should have 1x output port as 6.3mm phono type.	
7	Mount	It should have 1 Rack unit hight with ability to mount in rack.	
8	Power	It should be supplied with 12 VDC power adapter	
	Hand Held Transmitter		
9	RF Output Power	10mW (Max)	
10	Carrier Frequency Range	600-699MHZ	
11	Modulation Mode	FM	
12	Microphone Element	Dynamic, Cardioid	
13	Frequency Response	50-15,000HZ	
14	Controls	POWER ON/OFF switch,	
	Body Pack Transmitter		
15	RF Output Power	10mW (Max)	
16	Carrier Frequency Range	600-699MHZ	
17	Modulation Mode	FM	
18	Microphone Element	Condenser Mic	
19	Frequency Response	50-15,000HZ	
20	Current consumption	<150 m Amp	
21	Controls	POWER ON/OFF switch, Volume control	

Date:-
Place:-

Signature of the bidder
Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra

Annexure-IV

Compliance of technical specifications of Ultra-thin Retractable Screen

Proposed Make:- …….

Proposed Model name/ number:- …….

Ultra-thin Retractable Screen - Touch			Compliance (Yes/No)
S No	**Parameter**	**Specification**	
1	Model	Touch	
2	Display Size	21.5" or better	
3	Front Display Resolution	1920 × 1080 (Full HD) or better	
4	Aspect Ratio	16:09	
5	Touch Screen	10-point capacitive touch	
6	Touch Sensitivity	≤ 2	
7	Touch Response Time	≤ 3 ms	
8	Panel Material	Ultra-thin 3mm anodized aluminum, width 70mm	
9	Appearance/Color	Black or Silver anodized finish	
10	Panel Buttons	Raise, Lower, Stop, Forward, backward	
11	Lifting Mechanism	Linear guides + chain drive, AC geared motor driven	
12	Screen Tilt	Automatic 15° tilt after lifting	
13	Lift Control Modes	Manual Control, RS232/RS485	
14	Video Input	HDMI × 2	
15	USB Port	Retractable USB-A on panel for file reading/local browsing	
16	Touch Input	USB-B ×1 (Touch data input to PC)	
17	Control Interfaces	RJ45 ×2 (RS-485/RS-232 protocols supported)	
18	Power Supply	12VDC input	
19	Safety Functions	Anti-pinch and Anti-obstacle detection	
20	Brightness	300 cd/m² or better	
21	Contrast Ratio	600:1 or better	
22	Visual Angle	45°/45°/20°/40° (typical)	
23	Max Power Consumption	60W	
24	Operating Temperature	–10°C to +45°C, RH ≤80%	
25	Installation Method	Embedded	
26	Product Dimensions (WxDxH)	560x70x606 mm	

Date:-
Place:-

Signature of the bidder
Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra

Annexure-V

Compliance of technical specification of Audio Podium for Training Room and Conference Room

Proposed Make:- …….
Proposed Model name/ number:- …….

S No	Parameter	Specifications	Compliance (Yes/ No)
1	Amplifier	90W Class D Amplifier	
2	Microphone	18" Detachable Gooseneck Microphone & Reading Light	
3	Wireless Receiver	Dual Channel VHF Wireless Receiver	
4	Bluetooth	Digital MP3 Recording, Playback & Bluetooth Facility	
5	USB Port	USB Port on Podium Top for Charging for Mobile Phone	

Date:- Signature of the bidder
Place:- Name of signing authority

Annexure- VI

Compliance of technical specifications of Smart Display / TV Conference Room

Proposed Make:- …….
Proposed Model name/ number:- …….

S.No		Parameter	Minimum Technical Specification	Compliance (Yes/No)
1	**Hardware**	Size (Diagonal)	55 inch or higher	
2		Panel Type	IPS	
3		Resolution	3840 x 2160 UHD or higher	
4		Viewing Angle	178 Degree	
5		Network Connectivity	Wi-Fi	
6		Video Interface	HDMI, USB	

Date:- Signature of the bidder
Place:- Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Annexure-VII

Compliance of technical specifications of Chairmen and Delegate Unit

Proposed Make:- ……
Proposed Model name/ number:- ……

Conference Controller Unit			**Compliance (Yes/No)**
S No	**Parameter**	**Specification**	
1	Device Type	Digital Conference Controller	
2	Supported Microphones	Array microphones	
3	Audio Transmission	Full-digital via network bus over single CAT5e/6 cable	
4	Maximum Audio Channels	Single CAT5e cable transmits 64 channels	
5	Maximum Microphone Units	Up to 5000+ units with extension units	
6	Audio Sampling Rate	48 kHz	
7	Frequency Response	20 Hz – 20 kHz	
8	THD (Total Harmonic Distortion)	<0.05%	
9	SNR (Signal-to-Noise Ratio)	>90 dB	
10	Discussion Modes	Open, Apply, Voice, Override	
11	Priority / Override Function	Supported	
12	Microphone ID Management	Automatic ID assignment to prevent conflicts	
13	Additional Features	Automatic microphone detection and routing- Feedback suppression- Expandable via network nodes- Supports priority override and voting functions- Compatible with digital matrix mixers and DSP systems	
14	Recording Interface	USB port for direct recording to flash drive or storage device	
15	Headphone Monitoring	3.5 mm jack with adjustable volume	
16	Audio Inputs	1x RCA, 1x XLR	
17	Audio Outputs	1x RCA, 1x XLR, multiple Phoenix terminal blocks for line-level outputs	
18	Camera Tracking Integration	System shall send control commands via RS232/RS485/IP to enable PTZ camera auto-tracking	
19	Control Interfaces	RJ45, RS232/RS485 for external control and central control systems	
20	Camera Control Protocols	PELCO-P, PELCO-D, VISCA	

21	Limit on the number of active speaking Devices	Active units at the same time will be 2 Chairman and 6 Delegates	
22	Network Interface	RJ45 TCP/IP; compatible with standard LAN network	
23	Display	LCD or equivalent	
24	Power Supply	100–240 V AC, 50/60 Hz	
25	Power Consumption	<40 W typical	
26	Mounting	19” standard rack mountable	
27	Dimensions (mm)	Approx. 480 x 260 x 45	
28	Weight	3 kg	
29	Operating Temperature	0–45°C	
30	Storage Temperature	-20–50°C	
31	Humidity	10–90% RH (non-condensing)	
Chairman Unit			
S No	**Parameter**	**Specification**	
1	Microphone Type	Cardioid condenser gooseneck microphone	
2	Frequency Response	20 Hz – 20,000 Hz	
3	Sensitivity	−46 dBV/Pa	
4	Topology	Daisy-chain / ring network architecture	
5	Equivalent Noise	20 dBA SPL	
6	Maximum SPL	125 dB (THD < 3%)	
7	Audio Processing	AGC / AFC / ANC / Auto-mix	
8	Indicator	Two-color LED (Red = Mic ON, Green = Request to speak)	
9	Display	OLED 128 × 32 mm (volume, clock, mic status, timer)	
10	Buttons	Mic ON/OFF; Chairman: Priority & Consent buttons	
11	Built-in Speaker	Auto-mute when mic is active	
12	Headphone Ports	Dual 3.5 mm jacks with adjustable volume	
13	Power Consumption	≤ 2W	
14	Interfaces	2 × RJ45 for loop-through	
15	Cabling	CAT5 / CAT6	
16	Housing Material	ABS	
17	Weight	Approx. 1.1 kg (with microphone)	
18	Operating Temperature	0°C to +55°C	
Delegate Unit			
S No	**Parameter**	**Specification**	
1	Microphone Type	Cardioid condenser gooseneck microphone	
2	Frequency Response	20 Hz – 20,000 Hz	
3	Sensitivity	−46 dBV/Pa	
4	Equivalent Noise	20 dBA SPL	
5	Maximum SPL	125 dB (THD < 3%)	
6	Audio Processing	AGC / AFC / ANC / Auto-mix	

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

7	Indicator	Two-color LED (Red = Mic ON, Green = Request to speak)	
8	Display	OLED 128 × 32 mm (volume, clock, mic status, timer)	
9	Buttons	Mic ON/OFF	
10	Built-in Speaker	Auto-mute when mic is active	
11	Headphone Ports	Dual 3.5 mm jacks with adjustable volume	
12	Power Consumption	≤ 2W	
13	Interfaces	2 × RJ45 for loop-through	
14	Cabling	CAT5 / CAT6	
15	Housing Material	ABS	
16	Dimensions	195 × 120 × 60 mm	
17	Weight	Approx. 1.1 kg (with microphone)	
18	Operating Temperature	0°C to +55°C	

Date:- Signature of the bidder
Place:- Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Annexure-VIII

Compliance of technical specifications of Digital Podium with Speaker and Amplifier

Proposed Make:- ……
Proposed Model name/ number:- ……

S No	Parameter	Detailed Specification	Compliance (Yes/No)
1	Product Type	All-in-One Digital Podium with integrated multimedia controller and display interface	
2	Construction & Design	Heavy-duty metallic body, ergonomic design, modular construction with mobility support and wheel locking mechanism	
3	Podium Features	Sliding top panel, keyboard tray, document camera tray, pen/utility holder	
4	Interactive Touch Monitor	21.5” Full HD interactive monitor (1920 × 1080 resolution)	
5	Touch Technology	Capacitive touch display supporting finger and stylus input	
6	Brightness & Response Time	Minimum 350 cd/m² brightness, ≤5 ms response time	
7	Touch Monitor Inputs	HDMI and DVI video inputs	
8	Touch Interface Compatibility	Touch monitor compatible with Windows, Linux, and macOS systems via USB touch interface	
9	Electronic Monitor Lift	Motorized monitor lift mechanism integrated into the podium	
10	Multimedia Interface Controller	Integrated laptop interface controller enabling seamless switching between presenter laptop and external AV sources	
11	HDMI Management	Built-in minimum 4×1 HDMI switcher for connecting multiple HDMI input sources	
12		Provision for 1×4 HDMI splitter (bottom mounted) for routing content to multiple external displays	
13	USB Connectivity & Switching	USB 2.0, USB 3.0, and USB Type-C ports for data transfer, touch interface, and peripheral connectivity	
14	Microphone System	3-pin XLR gooseneck microphone inputs with 48V phantom power; condenser type, cardioid polar pattern (1x microphones should be supplied from Day 1)	
15	Audio Interfaces	AUX input/output and balanced XLR output for connection to external audio systems	
16	Control Interfaces	RS-232 port for control system integration and relay outputs for external device control	
17	Network Connectivity	RJ-45 LAN port for network and internet connectivity	
18	Power & Electrical	AC 100–250V input, 3-pin universal socket for laptop charging, in-built 16A MCB with grounding	
19	Safety & Compliance	Proper ventilation, electrical protection, chassis grounding, and safe cable management	

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

20	Rack Space	Minimum 12U internal rack space for AV equipment integration	
21	Accessories	HDMI cables, USB cables, audio cables, power cable, and all necessary mounting accessories	
22	Application Suitability	Suitable for classrooms, training rooms, auditoriums, conference rooms, and smart learning environments	
23	Integration & Product Compatibility	Digital Podium, Retractable Monitor, PTZ Camera, Chairman/Delegate Units with Controller, DSP, Amplifier, Speakers, speakerphone and microphone must be sourced from a single OEM to ensure seamless integration and avoid compatibility issues.	
12 Channel Pro Audio DSP			
S No	**Parameter**	**Specifications**	
1	Type	Professional digital signal processor (DSP) supporting a minimum of 12 audio input processing channels.	
2	Mic Inputs	It Should have 8 or more Microphones input interface with phoenix connector.	
3	Line inputs Type-1	It Should have 2 Line input interfaces, usually for the local audio source, i.e., DVD, laptop, etc. phoenix connector.	
4	Line Inputs Type-2	It Should have 2 Line input interfaces, usually for AEC reference signal input, phoenix connector.	
5	Line Outputs Type-1	It Should have 2 Line output interfaces, usually for the external recording device, phoenix connector.	
6	Line Outputs Type-2	It Should have 2 Line output interfaces, usually for AEC signal output, phoenix connector.	
7	Line Outputs Type-3	It Should have 2 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, phoenix connector.	
8	Other Ports	It should have at least one Wireless microphone input, 3.5mm audio connector. Monitor headphone interface, 3.5mm connector.	
9	Control Port	It should have 1xRS232 for connected to the control terminal, phoenix connector	
10	ETHERNET	It should have at least one Ethernet port for Configuration/control interface, RJ45 connector.	
11	USB/Stereo 3.5mm Interface for Soft Codec Support	It should have at least one USB2.0/Stereo 3.5mm type A interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application	
12	Software	It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting, Noise Reduction Setting(Automatic Gain Control) Setting, Dereverberation Setting, High-Pass Filter Setting, Low-Pass Filter Setting, Parameter Equalizer Setting, Leveller Setting, Auto Mixer Setting, Level Control Setting, Matrix Mixer Setting	
13	Certifications	CE, FCC and RoHS Certification	

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Audio Amplifier			
S No	**Parameter**	**Specifications**	
1	Gain Control	The system should have the facility to control the gain of microphone.	
2	Indicator	The system should have LED indicator for status.	
3	Frequency Response	The Frequency response should be 20Hz – 20000 Hz.	
4	Amplifier Type	The system should be Class-D type digital amplifier with with Bass, treble Equalizer.	
5	Channel	It should have 2 channel stereo output	
6	Power	The Amplifier should have 200 Watts at 8 Ohms	
7	Channel	The Amplifier should be inbuilt with 2 channel from day 1.	
8	Line Input	It should have Line Inputs as 1 x 2RCA	
9	Line Output	It should have Line Outputs as 1 x 2RCA	
10	Mic Input	It should have 2x phoenix Microphone Inputs with separate gain controller	
11	Unbalanced Input	It should have 1 Unbalanced Microphone 6.5mm Phono Input with gain controller	
12	Form Factor	The system should be standard 19 inches Rack Mountable or better.	
13	Certification	CE, FCC and RoHS Certification	
Wall Mount Speakers			
S.No	**Parameter**	**Specifications**	
1	Enclosure Material	The system should be made of ABS Plastic	
2	Woofer type	The system should be having polypropylene cone woofer	
3	Woofer size	The system should be having woofer size of 5.25" or higher	
4	Tweeter type	The system should be having Titanium dome type Tweeter	
5	Tweeter size	The system should be having Tweeter size of 1" or higher	
6	Frequency response	It should be frequency bandwidth 90HZ – 20 kHz	
7	Impedance	It should have impedance of 8 ohms or higher	
8	SPL (Sound Pressure Level)	It should have SPL of 90dB or higher	
9	Power (RMS)	It should have 50 watts or higher Power (RMS)	
10	Connectors	It should have 1 (one) pair metal binding terminal type connectors	
11	Type of Mounting	It should be wall-mounting or higher	
12	Dual axis Mounting	It can be mounted vertically or horizontally in both axis	

Date:- Signature of the bidder
Place:- Name of signing authority

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

ANNEXURE -IX

(Undertaking from OEM on the letter head)

The Executive Engineer (E)- Agra CPWD,

Kendralaya, 63/4

Sanjay Place, Agra, Uttar Pradesh- 282002

NIT No. :- ……/NIT/EE(E)-Agra/2026-27

Name of Work:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)*

Subject: OEM Authorization Certificate for ---------- (Name of Bidder)

Dear Sir,

This is to inform you that we , M/s_____(OEM name) having its regd. Office at _____ hereby authorizes M/s_____ (bidder/ company name), having its Regd. office at _____to quote for supply, installation, testing and commissioning of our equipment namely ----------against your above tender We shall provide unconditional technical support to M/s ---------- --- for our range of products quoted by them throughout the execution of contract as well as for maintenance/comprehensive maintenance contract for useful life of the system. We further undertake that we shall provide all the spares required for healthy functioning of the system for at least Seven years from the date of supply of equipment.

We shall provide 3 years fully comprehensive warranty for hardware and software for entire system from the day 1 after supply of the material at your site.

The undersigned is authorized to issue such authorization on behalf of M/s _____

For _____

Authorized Signatory
And name with designation
Email address:-

Correction – NIL *Insertion – NIL* *Deletion – NIL*	*AE (E)(P)*	*EE (E)-Agra*

LIST OF PREFFERED MAKES

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature, in the particular specifications and in the list of preferred makes attached in the tender, shall be used in the work.
2. In case of non-availability of the brand specified in the contract the contractor shall be allowed to use alternate equivalent brand of the material subject to submission of documentary evidence of non - availability of the specified brand.
3. Materials shall be used on site only after approval of the sample by the engineer-in-charge.

S. No	Material	Preferred make
1	CAT 6 Cable and accessories	Panduit / Belden / /CommScope-Systemax / Legrand / R&M / Siemens / Derwiser / Siemon/ 3C3/ Leviton/ Molex
2	RJ -45 Connector, face plate	Panduit / Belden / /CommScope-Systemax / Legrand / R&M / Siemens / Derwiser / Siemon/ 3C3/ Leviton/ Molex
3	OFC cable, LIU and other accessories.	Panduit / Belden / /CommScope-Systemax / Legrand / R&M / Siemens / Derwiser / Siemon/ 3C3/ Leviton/ Molex
4	SFP Module	Panduit / Belden / /Commscope-Systemax / Legrand / R&M / Siemens / Derwiser / Siemon/ 3C3/ Leviton/ Molex
5	Networking Rack(wall mount / floor mount)	Rittal Emersion / APW / Netrack / WQ/Panduit/ Valrack / Derwiser / MTS /3C3/ Leviton
6	POE network switch	Cisco / HP / Arista/ Impulse / Ruckus / Juniper / Aruba / Panduit /Nexus / Allied Telesis/ D-Link
7	MDF Box	ADC / GE / Malson / D-Link / ITL /Legrand / Krone
8	UPS	Emerson, / Delta/ Mitsubishi/ Schneider (APC)/ Numeric/ Vertiv / Fuji Electric/ Eaton/ Microtek.
10	OPS	As per OEM of interactive display based on technical bid
11	PC (all in one)	Dell/Lenovo/HP/acer
12	Any other material	With prior approval of engineer in charge

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

SCHEDULE OF QUANTITIES

Name of work:- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)*

S. No.	Description of Item	QTY	RATE	UNIT	Amount
1.	Supplying, Installation, Testing and commissioning (SITC) of Interactive Display (IFP) and The IFP shall be an 86-inch 4K IPS Interactive Flat Panel with 450 nits brightness, 1200:1 contrast, 10-bit colour, AG glass, 50,000-hour life, and 40-point infrared touch. It shall have Android 14 EDLA Certified, upgradeable to Android 16, Octa-Core processor, 6 TOPS NPU, 8 GB RAM and 128 GB storage, with comprehensive HDMI x 3, HDMI Out x 1, USB 3.0 x 3, USB 2.0 x 1, LAN connectivity, Inbuilt Wi-Fi 6 and Bluetooth 5.2+, 18/7 operation and 2×20 W speakers, Hardness - should be atleast 9H Tempered 4mm, Power Consumption (Typical) - 120 Watt or better. It shall include OEM lifetime Device Management Software, annotation, wireless sharing up to 9 devices, reverse casting, webcasting, AI-enabled whiteboard with OCR, handwriting/shape recognition, Text-to-Speech, translation into Indian languages, cloud whiteboarding, screen recording and Google Services. The system shall be supplied with a 3-year onsite warranty, required accessories and all specified certifications including BIS, CE, CB, FCC, RoHS, ISO certifications, Energy Star 8.0 or above, TUV Flicker Free, TUV Low Blue Light and SIAA Certification for germ resistance /equivalent etc. complete as required.	5	3,47,086.00	Each	17,35,430.00
2.	Supplying, Installation, Testing and commissioning of OPS PC module having an Intel Core i5 processor, 8 GB RAM, 512 GB storage and Windows 11 Pro operating system. Interactive Flat Panel Display and OPS should be from same OEM etc. complete as required including certification BIS, CE, RoHS & FCC, Antivirus MAF with ISO certification in network, data protection, and privacy, encrypted auto back up and anti-ransomware patent certified technology etc. Supply antivirus with all PC/ OPS must be total protection with 1 year licence. MII, ISO certified in data protection and privacy with AV test certificate in endpoint category, with auto backup and anti-ransomware patent technology complete as reqd.	4	99,167.00	Each	3,96,668.00
3.	Supplying, Installation, Testing and commissioning PTZ Video Conferencing Camera and shall feature an 8.51 MP or higher 1/2.5-inch CMOS sensor, 4.4–52.8 mm lens, 78° FOV, 12× optical and 16× digital zoom, and support up to 4K (3840×2160) at 30 fps with H.264/MJPEG. It shall include AI features such as Presenter/Group Framing, Humanoid Tracking and Target Tracking, 170° pan, -30° to 90° tilt, 255 presets, digital noise reduction and dual-stream video. The camera shall support TCP/IP, HTTP, RTSP, RTMP, ONVIF, DHCP, SRT, GB/T28181 and Multicast, with USB-C, HDMI, Gigabit LAN, audio input and RS232/VISCA/Pelco control interfaces. It shall operate on 12V DC and include an IR remote and wall-mount kit. The camera must have valid BIS, CE, FCC, RoHS and CB certifications etc. complete as required.	2	1,48,752.00	Each	2,97,504.00

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

4.	Supply, installation, testing and commissioning of wired and wireless for Video conferencing (Bluetooth) speakerphone with 4 inbuilt microphones or better, 48K sampling rate and 500ms echo length cancellation or better, 4 internal HD microphones with 360-degree voice pickup range of 4m or better, built-in 4000mAh rechargeable battery, 3A algorithm with automatic intelligent microphone direction identification (EMI) technology and automatic gain control (AGC) or better, controls for microphone mute/unmute, speaker volume mute, volume up/down, Bluetooth ON/OFF and echo cancellation ON/OFF, built-in Bluetooth 5.0 or better, facility to simultaneously merge video conferencing calls connected to PC through USB and mobile calls connected through Bluetooth/3.5mm jack, USB Type-B powered operation without external power source, provision for extending microphone pickup by 2m with built-in speaker of 85dB using an external speakerphone connected through RJ45 cable, 3.5mm jack support for mobile phone calls, with BIS (Indian), CE, FCC and RoHS certifications etc. complete as required.	1	37,188.00	Each	37,188.00
5	Supplying, Installation, Testing and commissioning of Audio Podium shall be equipped with a 90 W Class-D amplifier and an 18-inch detachable gooseneck microphone with reading light. It shall include a dual-channel VHF wireless receiver and support digital MP3 recording and playback along with Bluetooth connectivity. The podium shall also provide a USB port on the podium top for charging mobile phones etc. complete as required.	1	74,376.00	Each	74,376.00
6	Supplying, Installation, Testing and commissioning of table top type Conference Chairmen Microphone Unit shall be a cardioid condenser gooseneck microphone with a frequency response of 20 Hz–20,000 Hz, sensitivity of −46 dBV/Pa, equivalent noise of 20 dBA SPL, and maximum SPL of 125 dB (THD <3%). It shall support advanced audio processing features including AGC, AFC, ANC and Auto-mix. The unit shall have a two-colour LED indicator, with red indicating microphone ON and green indicating request to speak, along with an OLED display of 128 × 32 mm for displaying volume, clock, microphone status and timer. It shall include a Mic ON/OFF button and a built-in speaker with automatic muting when the microphone is active. The unit shall also provide dual 3.5 mm headphone jacks with adjustable volume. The microphone unit shall have a maximum power consumption of ≤2 W and shall provide 2 × RJ45 interfaces for loop-through, using CAT5/CAT6 cabling. The housing shall be made of ABS material; The unit shall operate reliably within a temperature range of 0°C to +55°C etc. complete as required.	1	60,223.00	Each	60,223.00
7	SITC of table top type Conference Delegates Microphone Unit shall be a cardioid condenser gooseneck microphone with 20 Hz–20 kHz frequency response, −46 dBV/Pa sensitivity, 20 dBA SPL equivalent noise and 125 dB maximum SPL. It shall support daisy-chain/ring networking through CAT5/CAT6, with AGC, AFC, ANC and auto-mix functions, dual-colour LED indication, OLED display, Mic ON/OFF control, and additional Priority/Consent buttons for the Chairman unit. It shall include a built-in speaker with automatic muting, dual 3.5 mm headphone jacks with adjustable volume, 2× RJ45 loop-through ports, ≤2 W power consumption, ABS housing, approximately 1.1 kg weight and 0°C to +55°C operating temperature etc. complete as required.	16	55,678.00	Each	8,90,848.00

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

8	SITC of Conference System - Controller, shall support array microphones with full-digital audio transmission over CAT5e/6, up to 64 audio channels and 5,000+ microphone units through expansion. It shall provide 48 kHz sampling, 20 Hz–20 kHz frequency response, THD <0.05% and SNR >90 dB, with Open, Apply, Voice and Override discussion modes, microphone detection, feedback suppression, priority/override and voting functions. It shall support USB recording, headphone monitoring, RCA/XLR inputs and outputs, Phoenix outputs, and PTZ camera tracking through RS232/RS485/IP.The system shall support 2 Chairman and 6 Delegate active speaking Devices microphones, RJ45 TCP/IP networking, LCD/equivalent display, 100–240V AC operation with 0–45°C operating temperature and 10–90% RH non-condensing humidity etc. complete as required.	1	2,52,257.00	Each	2,52,257.00
9	Supply, installation, testing and commissioning of professional digital signal processor (DSP) supporting a minimum of 12 audio input processing channels, with 8 or more microphone input interfaces with Phoenix connectors, 2 line input interfaces for local audio sources such as DVD, laptop, etc. with Phoenix connectors, 2 line input interfaces for AEC reference signal input with Phoenix connectors, 2 line output interfaces for external recording device with Phoenix connectors, 2 line output interfaces for AEC signal output with Phoenix connectors, 2 line output interfaces for external amplifier or active loudspeaker for remote and local audio playback with Phoenix connectors, at least 1 wireless microphone input with 3.5mm audio connector and monitor headphone interface with 3.5mm connector, 1 × RS232 control port with Phoenix connector, at least 1 Ethernet port for configuration/control interface with RJ45 connector, at least 1 USB 2.0/Stereo 3.5mm Type-A interface supporting bidirectional audio data transmission for Soft Codec integration with OPS or PC as a sound card application, software support for Acoustic Echo Cancellation (AEC) configuration, NLP (Nonlinear Processing), Noise Reduction, AGC (Automatic Gain Control), Dereverberation, High-Pass Filter, Low-Pass Filter, Parameter Equalizer, Leveler, Auto Mixer, Level Control and Matrix Mixer settings, with CE, FCC and RoHS certification etc. complete as required.	1	1,94,307.00	Each	1,94,307.00
10	Supply, installation, testing and commissioning of audio amplifier with gain control facility for microphone, LED indicator for status, frequency response of 20Hz–20000Hz, Class-D type digital amplifier with bass and treble equalizer, 2-channel stereo output, 200 watts at 8 ohms, inbuilt 2-channel configuration from day 1, 1 × 2RCA line input, 1 × 2RCA line output, 2 × Phoenix microphone inputs with separate gain controller, 1 unbalanced microphone 6.5mm phono input with gain controller, standard 19-inch rack-mountable or better form factor, with CE, FCC and RoHS certification etc. complete as required.	1	51,133.00	Each	51,133.00
11	Supply, installation, testing and commissioning of wall mount speakers with ABS plastic enclosure, polypropylene cone woofer, woofer size of 5.25" or higher, titanium dome type tweeter, tweeter size of 1" or higher, frequency bandwidth of 90Hz–20kHz, impedance of 8 ohms or higher, SPL (Sound Pressure Level) of 90dB or higher, power (RMS) of 50 watts or higher, 1 (one) pair metal binding terminal type connectors, wall-mounting or better mounting arrangement, and provision for dual-axis mounting with vertical and horizontal installation capability etc. complete as required.	4	15,340.00	Each	61,360.00

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

12	Supply, installation, testing and commissioning of all-in-one Digital Podium with HDMI Splitter 1 in 8 out with integrated multimedia controller and display interface, heavy-duty metallic body with ergonomic and modular design, mobility support and wheel locking mechanism, sliding top panel, keyboard tray, document camera tray and pen/utility holder, 21.5-inch Full HD capacitive interactive touch monitor (1920 × 1080) with minimum brightness of 350 cd/m² and response time of ≤5ms, HDMI and DVI inputs, USB touch interface compatible with Windows, Linux and macOS, motorized electronic monitor lift, integrated multimedia controller with minimum 4×1 HDMI switcher and provision for 1×8 HDMI splitter for external displays, USB 2.0/USB 3.0/USB Type-C ports, 3-pin XLR gooseneck microphone input with 48V phantom power, condenser type and cardioid polar pattern, AUX input/output, balanced XLR output, RS-232 and relay control, RJ-45 LAN, AC 100–250V input with 3-pin universal laptop charging socket and 16A MCB with grounding, proper ventilation and cable management, minimum 12U internal rack space, complete as required.	1	2,67,618.00	Each	2,67,618.00
13	Supply, installation, testing and commissioning of Gooseneck Microphone for podium, Directivity: Cardioid, Frequency Response 30 Hz – 20,000 Hz, Sensitivity −46 dBV/Pa, Equivalent Noise 20 dBA (SPL), Signal-to-Noise Ratio ≥ 96 dB, Type: Condenser, Max SPL 125 dB (1% THD), Connection: Mini 6-pin connector, Length 485 mm or better, LED Ring Dual-color LED (Red/Green), Operating Temperature 0°C – 45°C etc complete as required.	1	8,181.00	Each	8,181.00
14	Supply, installation, testing and commissioning of wireless microphone system with 1 wireless handheld and 1 headband/lapel type microphone, UHF frequency band, receiver with 1 mixed output, frequency response of 40Hz–17,000Hz or better, 2 antennas, 1 × 6.3mm phono output, 1U rack-mountable design and 12V DC power adapter, handheld transmitter with 10mW maximum RF output power, 600–699MHz carrier frequency range, FM modulation, dynamic cardioid microphone element, 50–15,000Hz frequency response, <150mA current consumption and power ON/OFF switch, body pack transmitter with 10mW maximum RF output power, 600–699MHz carrier frequency range, FM modulation, condenser microphone element, 50–15,000Hz frequency response, <150mA current consumption, power ON/OFF switch and volume control etc complete as reqd.	1	48,860.00	Each	48,860.00
15	Supplying, Installation, Testing and commissioning Motorized Retractable Touch Display and shall have a 21.5-inch or larger Full HD display with 1920×1080 resolution, 16:9 aspect ratio and 10-point capacitive touch with ≤2 sensitivity and ≤3 ms response time. It shall feature a 3 mm anodized aluminium body, motorized lifting with linear guides/chain drive, automatic 15° tilt, manual and RS232/RS485 control, and Raise/Lower/Stop/Forward/Backward controls. The unit shall include 2× HDMI inputs, retractable USB-A, USB-B touch interface and 2× RJ45 RS232/RS485 ports, with 12V DC power, anti-pinch/obstacle protection, 300 cd/m² brightness, 600:1 contrast, and –10°C to +45°C operating temperature etc. complete as required.	1	2,92,235.00	Each	2,92,235.00

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

16	PC System (all in one) Supplying Installation Testing Commissioning of Client PC System comprising of PC Hardware with minimum11th Gen Intel® I7 processor CPU E5-2640 x64 (or better), compatible with dual and quad core processors minimum 3.1 Ghz and 8GB or higher RAM, Hard Drive Space of 256 GB SSD or better, Video card and monitor capable of 1920 x 1080 pixel resolution or better with Ethernet adapter (10/100/1000 Mbps with RJ-45 connector) with 2 GB or higher Graphics card suitable for BMS System complete etc. as required.	1	90,698.00	Each	90,698.00
17	LED Display 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, 4X HDMI 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.				
17.1	55 inch or larger	2	82,057.00	Each	1,64,114.00
			Total:-		**49,23,000.00**

NOTE:- Intending bidders are advised to visit site and read conditions of NIT and submit bid accordingly.

EXECUTIVE ENGINEER (E)- AGRA
C.P.W.D., SANJAY PLACE, AGRA (UP)

Correction – NIL
Insertion – NIL
Deletion – NIL *AE (E)(P)* *EE (E)-Agra*

Price Bid Template

Central Public Work Department

NIT NO. 42/NIT/EE(E)-Agra/2026-27

Name of work- Construction of Technical & Administrative Block in Station Road plot of CDGI, Firozabad (UP).i/c STP, IEI & Fans, Fire Alarm and Fighting System, Audio-Visual & Lift, Sub Station and DG set and horticulture works.-Balance Work (SH: SITC of Audio Visual System)*

Estimated Cost put to tender (Rs.)	₹49,23,000/-	

Performa for quoting the rates

Name of Contractor:-

S. No.	Name of Component	Estimated cost	Percentage above or below the estimated cost	%age in figures	Total Cost
1.	Electrical Work	49,23,000/-			

1. **Only one of the options is to be filled. More than one option shall be rejected.**
2. **Rate filled in any form shall be considered only in %age.**
3. **Rate filled at any other place in the document shall not be considered.**

EXECUTIVE ENGINEER (E)- AGRA
C.P.W.D., SANJAY PLACE, AGRA (UP)

Correction – NIL
Insertion – NIL
Deletion – NIL

AE (E)(P)

EE (E)-Agra