



GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

NOTICE INVITING e-TENDER

NIT No.: 33/NIT/EE(E)-Agra/2026-27*

Name of work: - Supplying, Installation, Testing & Commissioning of CCTV & EPABX System
GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

Estimated Cost put to tender (ECPT) : -	₹ 25,98,711/-*
Earnest Money :	₹ 51,974/-*
Performance Guarantee :	5% of Estimated amount or tendered amount whichever is higher (detailed mentioned in schedule A-F)
Security Deposit :	2.5% of tendered amount
Period of Completion :	03 (Three) Months*

Certified that This NIT Contains from 1 to 87 pages only in chronological order.

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

Correction – NIL

Insertion – NIL

Deletion – NIL

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INDEX

NIT No.: : 33/NIT/ EE(E)-Agra/ 2026-27

Name of work:- Supplying, Installation, Testing & Commissioning of CCTV& EPABX System
GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

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Correction – NIL

Insertion – NIL

Deletion – NIL

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PART -A

Correction – NIL

Insertion – NIL

Deletion – NIL

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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)
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 **specialized agency/ agencies / OEM/ firm(s) / approved and eligible contractors of CPWD** of appropriate category satisfying the eligibility criteria in **two bid** system for the following work:

Table 1: Brief Particulars and Timelines

	Particulars	Particulars
1	NIT No.	33/NIT/ EE(E)-Agra/ 2026-27
2	Name of work & Location	Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.
3	Estimated cost put to tender (In Rs.)	₹ 25,98,711/-
4	Earnest money (In Rs.)	₹ 51,974/-
5	Stipulated period of completion of work	03 (Three) Months
6	Date & time of pre-bid queries may be raised by the bidder by email	Upto 11:00 AM on 18/09/2026*
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 3:00 PM on 25/09/2026*
8	Date & time of opening of Eligibility cum technical bid	AT 3:30 PM on 25/09/2026*
9	Date & time of opening of Financial Bid	AT 3:30 PM on 29/09/2026*

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

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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 CPWD enlisted contractors of appropriate class in Buildings & Roads (erstwhile composite / Building/ Infrastructure) category/ specialized agency/ agencies / OEM/ firm(s) /contractors of repute satisfying the eligibility criteria in **Two** bid system for the following work:

S. No.	NIT NO.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of Completion of work (in months)	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-	33/NIT/ EE(E)-Agra/ 2026-27	Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.	₹ 25,98,711/-	₹ 51,974/-	03 (Three) Months	Upto 3:00 PM on 25/09/2026	AT 3:30 PM on 25/09/2026

1. Contractors who fulfil the following requirements shall be eligible to apply. Joint ventures are not accepted. [1(b), 1(c), 1(d) & 1(e) are not applicable for CPWD enlisted contractors of appropriate class. 1(a) to 1(f) are applicable for non-CPWD enlisted contractors, 1(a) & 1(g) are applicable for CPWD enlisted contractor].

(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.

Three similar works each costing not less than Rs. 10,40,000-*, or two similar works each costing not less than Rs. 15,60,000/-* or one similar work costing not less than Rs 20,79,000/-* Similar work shall mean works of **SITC of CCTV system***. The value of executed works shall be brought to current costing level by enhancing the actual value of

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work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of tenders.

- (b) Should have had Average Annual Financial Turnover of Rs. **7,80,000/-*** (at least 30% of the estimated cost put to tender 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 2023. Last five consecutive balance sheet (balance sheet in case of private/public limited company means its standalone financial statement and consolidated financial statement both), duly audited and certified by the Chartered Accountant.
- (d) Should have a Banker's Certificate from a commercial Bank for Minimum Rs **10,40,000/-** *(40% of ECPT) or Net Worth certificate from CA with Unique Document Identification Number (UDIN) of **minimum Rs 2,60,000/-** *(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:

$$\text{Bidding Capacity} = \{[A \times N \times 1.5] - B\}$$

Where,

A = Maximum turnover in **SITC of CCTV system** works executed 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.

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

- (f) Evaluation of performance: Evaluation of the performance of contractors for eligibility shall be done by NIT approving authority or a Committee constituted by him. All the eligible similar works executed and submitted by the bidders in support of eligibility and any one of the ongoing works, may be got inspected by a committee which may consist of client or any other authority as decided by NIT approving authority. The marks for the quality shall be given based on this inspection, if inspection is carried out.

Scoring method of evaluation: - The scoring for evaluation mentioned in these columns shall be done as given in Proforma - I. This should be made part of the tender documents.

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- (g) If the bidder is CPWD enlisted contractor and does not have adequate experience of specialised work as mentioned above, then the bidder can associate with contractor having requisite experience of executing specialised 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) above.
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 part of bid document.
 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.

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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.
- ~~12. The Eligibility /Technical/ Financial 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)** **11:00 AM on 18/09/202** 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.

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

- (i) Letter of transmittal (Proforma attached in this NIT) **(applicable for both)**
- (ii) Treasury Challan/Demand Draft/Pay order or Banker 's Cheque /Deposit at Call Receipt/FDR/ Bank Guarantee of any Scheduled Bank against EMD.
- (iii) Copy of receipt for deposition of original EMD to division office of any EE, CPWD.
- (iv) CPWD enlistment order, if applicable. **(Applicable for CPWD contractor only)**
- (v) Valid Certificates of Work Experience. (Not more than three completed works). **(If the bidder is CPWD enlisted contractor and does not have adequate experience of specialised work as mentioned above, then an affidavit shall be uploaded by the bidder to associate with contractor having requisite experience of executing specialised work as per condition no 1g)**
- (vi) Certificate of Financial Turnover from CA. **(Not applicable for enlisted contractor of CPWD)**
- (vii) FINANCIAL INFORMATION (FORM 'A') **(Not applicable for enlisted contractor of CPWD)**
- (viii) Banker's Certificate form 'B' or Net Worth Certificate form 'B-1' **(Not applicable for enlisted contractor of CPWD)**
- (ix) DETAILS OF ELIGIBLE SIMILAR NATURE OF COMPLETED WORKS in FORM 'C' **(applicable for both enlisted contractor of CPWD and Non-CPWD)**
- (x) PROJECTS UNDER EXECUTION FORM- 'C-1' **(Not applicable for enlisted contractor of CPWD)**
- (xi) Bidding capacity as per Form 'C-3' **(Not applicable for enlisted contractor of CPWD)**
- (xii) STRUCTURE & ORGANISATION -FORM 'E' **(Not applicable for enlisted contractor of CPWD)**
- (xiii) Affidavit as per clause 1.2.2 of CPWD 6 as following; - **(applicable for both enlisted contractor of CPWD and Non-CPWD)**
 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).
- (xiv) GST registration Certificate, if already obtained by the bidder.; - **(applicable for both enlisted contractor of CPWD and Non-CPWD)**
 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".
- (xv) *List of technical bid documents to be scanned and uploaded with the above documents (CPWD, NON-CPWD both agencies have to associate with the OEM and submit technical document in eligibility bid)*

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Annexure -1 - Compliance of technical specification of DOME camera

Annexure -2 - Compliance of technical specification of Bullet camera.

Annexure -3 - Compliance of technical specification of PTZ camera

Annexure -4 - Compliance of technical specification of of NVR

Annexure- 5 -Authorization certificate from OEM on the original letter head of the OEM with following provisions.

- (i) 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
- (ii) OEM will make available all the spare parts required for healthy functioning of the equipment for at least five after completion of warranty period.

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PROFORMA – 1:**CRITERIA FOR EVALUATION OF THE PERFORMANCE OF CONTRACTORS FOR PRE-ELIGIBILITY**

	Attributes		Evaluation			
(a)	Financial strength	(20 marks)				
	(i) Average annual turnover	16 marks	(i) 60% marks for minimum eligibility criteria			
	(ii) Net worth or Solvency certificate	4 marks	(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 (ii) 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 =		1.0	2.0	3.0	>3.5
	i. Without levy of compensation		20	15	10	10
	ii. With levy of compensation		20	5	0	-5
	iii. Levy of compensation not decided		20	10	0	0
	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.					
	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.					

Correction – NIL

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Deletion – NIL

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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.	Supplying, Installation, Testing & Commissioning of CCTV & EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.	₹ 25,98,711/-	03 (Three) Months

2. The work is situated at **GPRA Sikandara Agra, Uttar Pradesh**

3. General features and major components of the work are as under:

(i) SITC of CCTV system.

(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.

Correction – NIL

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Deletion – NIL

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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.

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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.10,40,000/-**, or completed two similar works each costing not less than **Rs 15,60,000/-**, or completed one similar work costing not less than **Rs 20,79,000/-**

Similar work shall mean works of **SITC of CCTV system.**

7.2 The bidder should have had Average Annual Financial Turnover of Rs. **7,80,000/-** 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

Correction – NIL

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Deletion – NIL

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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. **10,40,000/-** Certified by his Bankers. (Not required if applicant is a CPWD registered contractor of appropriate class) or the bidder should submit Net worth Certificate of minimum Rs.

Rs 2,60,000/- (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:

$$\text{Bidding Capacity} = \{[A \times N \times 1.5] - B\}$$

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.

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'.

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

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capacity etc. will first be scrutinized and the bidder's eligibility for the work be determined. (OM No. DG/SOP 2022/07 dated 09.11.2022)

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')	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:

Correction – NIL

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- (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.

Correction – NIL

Insertion – NIL

Deletion – NIL

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SECTION III
INFORMATION REGARDING ELIGIBILITY
LETTER OF TRANSMITTAL

From:-.....

.....

.....

.....

To

The Executive Engineer (E)- Agra

CPWD, Sanjay Place, Agra

Uttar Pradesh

Subject: Submission of bids for the work of Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

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 (As applicable) 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

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).

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

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) Gross Annual Turn Over
(ii) Profit/Loss (standalone financial statement and consolidated financial statement both).

- II. Financial arrangements for carrying out the proposed work.

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
 (OM No. DG/SOP 2022/07 dated 09.11.2022)

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.									
4.									

#Additional Sheets of this page may be added, if required.

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 to complete this work (N)

(3 months/12 Months= 0.25) = 0.25

Bidding Capacity = $\{[A \times N \times 1.5] - B\}$ =

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 "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. ~~In which field of Civil Engineering construction the bidder has specialization and interest?~~
9. 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:- Supplying, Installation, Testing & Commissioning of CCTV& EPABX System
 GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

NIT NO:- 33/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.

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

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:

Date :

Place :

Place :

Witness with address

(From major component contractor side)

Witness with address

(From minor component contractor side)

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

Receipt of deposition of original EMD

(Receipt No. date

Name of work Supplying, Installation, Testing & Commissioning of CCTV & EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings..

NIT No. :- : **33/NIT/EE(E)-Agra/2026-27**

1- Estimated cost : **₹ 25,98,711/-**

2- Amount of Earnest Money Deposit : **₹ 51,974/-**

3- Last date of submission of bid : **Upto 3:00 PM on 25/09/2026**

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](https://etender.cpwd.gov.in)>closed Tender>all) that the particular contractor is not L-1 tenderer and work is awarded.
- (iv) The tender inviting authority calls for original EMD of the L-1 tenderer from EMD receiving authority immediately.
- (v) Information and Instructions for Contractors for e- tendering forming part of NIT and to be posted on website are referred from Annexure -22 for Single bid and Annexure -23 for Two/Three Bid system, as the case may be.

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

**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 specialized agency/agencies / firm(s) / OEM/ approved and eligible contractors of CPWD of appropriate category 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**

Supplying, Installation, Testing & Commissioning of CCTV & EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

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 **₹ 25,98,711/-**. 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, 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).~~

Three similar works each of value not less than Rs. **10,40,000-** or two similar work each of value not less than Rs **15,60,000/-** or one similar work of value not less than Rs **20,79,000/-** (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.

- 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 Horticulture Category)~~

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

Three similar works each of value not less than Rs. 10,40,000/- or two similar work each of value not less than Rs 15,60,000/- or one similar work of value not less than Rs 20,79,000/- (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 contractors as per provisions of **clause 1.2.1** above, it will be mandatory for non-CPWD contractors and CPWD contractors to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.2

1.2.4 If, the bidder is CPWD enlisted contractor and does not have adequate experience of specialised work as mentioned above, then the bidder can associate with contractor having requisite experience of executing specialised 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 1.2.2 above.

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 **03 (Three) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The architectural, structural drawing, Single line diagram, layout plan or any other drawing/document necessary to execute and functional the system for the work is to 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 be vetted and approved by the

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

competent authority. After completion of work the contractor shall submitted three copy of as built drawings.

~~OR~~

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

~~(ii) The architectural and structural drawing for the work is available~~

~~OR~~

~~The architectural and structural 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.~~

6. 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.
7. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
8. 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.
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.

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

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 bid submitted shall be opened **AT 3:30 PM on 25/09/2026**

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. (OM No. DG/SOP 2022/07 dated 09.11.2022)
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.

The description of the work is as follows- **Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.**

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,

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

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 bidder 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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

1. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 2. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 3. 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.
18. 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.

~~19. 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 2020 as amended/modified up to~~

~~**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.~~

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

~~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.~~

~~20.1.12A. 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.~~

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

~~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. 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.~~
- ~~21. 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 eeacedepwd.ag-up@gov.in or ERP helpline no. 18001803286 or e-mail Id 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.~~

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

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

(A) Tender for the work of **Supplying, Installation, Testing & Commissioning of CCTV & EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings**

(i) To be uploaded by **Upto 3:00 PM on 25/09/2026** to / upload at <https://etender.cpwd.gov.in>

(ii) To be opened on-line in presence of tenderers who may be present at **AT 3:30 PM on 25/09/2026** 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/ **Ninety (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 **₹ 51,974/-** 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 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

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

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.

(Added vide OM No. DG/CON/324 dated 04.05.2022)

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)

Dated:

For & on behalf of President of India

Signature

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)

attached

SCHEDULE 'D'

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

N.A

SCHEDULE 'E'

Reference to General Conditions of contract:

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

Supplying, Installation, Testing & Commissioning of CCTV & EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

Estimated cost of work:-

₹ 25,98,711/-

(i) Earnest money:-

₹ 51,974/-

(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:		Executive Engineer (E), Agra Electrical Division, CPWD, Agra.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3		See below- Clause 12
Definitions:		
2(vi)	Engineer-in-Charge	Executive Engineer (E), Agra Electrical Division, CPWD, Agra.
2(viii)	Accepting Authority	Executive Engineer (E), Agra Electrical Division, CPWD, Agra.

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

2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%
2 (x)(b)	Standard schedule of Rates	Prevailing Market Rate & DSR-2025
2 (xi)	Department	C.P.W.D.
9 (ii)	Standard CPWD contract Form GCC 2023, CPWD Form 7/ 8 as modified & corrected upto:	GCC 2023 for construction work 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 .		7 Days
ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above.		3 Days

Clause 2

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)**Applicable as below**

Sl. No.	Description of Milestone (Physical)	Time allowed in days (From date of start)	Amount to be withheld in case of non-achievement of milestone.
1	Submission of sample and lay out plan indicating cameras location, NVR with SLD	20 Days	1%
2	Supply of all required materials at site	30 Days	2%
3	Installation of all equipment's including cables	80 Days	1%
4	testing, commissioning of the system, Handing over of the system to the department.	90 Days	1%

Time allowed for execution of work

03 (Three) 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 the decision of shifting 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 with client department.	7 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 10 Lakh and more NO
Clause 8A Authority to decide compensation on account if contractor fails to submit completion plans	Executive Engineer (E), Agra Electrical Division, CPWD, Agra.
Clause 9	Applicable

Correction – NIL

Insertion – NIL

<i>Deletion – NIL</i>	<i>AE (E)(P)</i>	<i>EE (E)-Agra</i>
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Clause10A: List of testing equipment to be deployed by the contractor at site for E&M Works		
Sl. No.	Description of Item	Requirement
1	L.T. Meggar 500/1000 volts.	1 No.
2	Tong Tester.	1 No.
3	Multimeter.	1 No.
4	Earth tester.	1 No.
5	Vernier caliper (Digital)	1 No.
6	Screw gauge (Digital)	1 No.

Clause 10 – B(ii)

Whether clause 10-B(ii) shall be applicable

No

Clause 10C -

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), Part-V (Wet riser and sprinkler system) -2020, Indian Electricity Rules as amended up-to date.
12.2 (c)	
Deviation limit beyond which clauses 12.2 (c) shall apply for Building work	100 %
12.4	
(i) Deviation Limit beyond which clauses 12.2 (c) shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items)	Not applicable
(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items	Not applicable

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

Clause 16 Competent Authority for deciding reduced rates		Superintending Engineer (Agra), CPWD, Agra
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.	1 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.
7	Bench vice.	1 No.
8	Hydraulically operated / hand operated crimping machine.	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

Correction – NIL

Insertion – NIL

<i>Deletion – NIL</i>	<i>AE (E)(P)</i>	<i>EE (E)-Agra</i>
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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

- (i) (a) 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:
 - (a) 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.
 - (b) Bitumen All Works N.A.
 - I Steel Reinforcement and structural steel sections for each diameter, section and category N.A.
 - (d) All other materials. Nil

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

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

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**

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 **33/NIT/EE(E)-Agra/2026-27** (NIT number) dated for **Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings..** (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 **Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings..**(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.(Rupeesonly)
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

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

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.....

Authorized signatory

Name and address

Name

Designation

Staff code no.

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

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)

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

PART -B

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

GENERAL TERMS AND CONDITIONS

1. All the works shall be carried out as per CPWD General specification for Electrical Works, Part-I (Internal)-2023; Part-II (External)-2023 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. 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. Rates:

- i. 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.
- ii. Prices quoted shall be firm.

4. Mobilization Advance:

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

5. 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. 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 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. 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. Electric Power Supply and Water Supply:

Power and water supply will be arranged by the contractor at the site for installation and testing purpose. Contractor will take due care to ensure safety of electrical installation during execution of work.

9. 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. Payment Terms:

- (A) On supply of material- 70%
- (B) After installation- 80%
- (C) After testing & commissioning -90%
- (D) After successful hand over- 100%

11. Co-ordination with other agencies:

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

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.

i. 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. 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. 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. Drawings:

- i. After award of the work, the firm will be required to Preparation and submit Conduit/cable Layout plan, , positioning of cameras, NVR and other parts **prepared on coloured drawing of all services covered in the scope of this work before supply of material, providing 5 sets of coloured drawings on A3 paper size and after completion of work as built drawings by supplying of minimum 5 sets of coloured drawings on A3 paper size, complete as required** for the proposed work including layout plan, conduit/cable 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.

15. Conformity to IE act, IE Rules, and standards:

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. **all relevant BIS /IS /STQC/mandatory certificates for the CCTV equipment shall be supplied by the agency at the time of supply of material.**

16. General requirements of components:

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. Inspection of materials and equipment's:

(a) 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.

(b) 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:

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

- (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.
- © 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.
- (d) 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. Ratings of components:

- (a) 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.
- (b) 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. Conformity to standards:

- (a) All components shall conform to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.
- (b) 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. 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. Workmanship:

- (a) 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.
 - (b) 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.
- © Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.
- (d) 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. 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. Commissioning on completion:

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

24. Completion plan and completion certificate:

- (a) 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.
- (b) Completion plan drawing with all installation marking – three copies set (floor wise).

25. INTERPRETING SPECIFICATIONS

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

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

- (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 retained by the contractor and recovery shall be made from running bill as per schedule of Quantity
- ii. Not covered under above shall be returned to the department and deposited to JE(E) store.

27.The work is to executed as per specification as mentioned in BOQ,

28.The agency shall be submitted TDS for approval as per mentioned in schedule A-F

29. Test certificates including warranty/guarantee certificates of all the materials supplied for the work carried out shall also be submitted mentioning order date/ no/ lot

30. The scope includes all cameras, NVRs/DVRs, storage devices, switches, routers, media converters, network racks, OFC/UTP cabling, connectors, power supplies, and associated accessories installed at site.

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

Condition of AMC/CMC of CCTV system

Separate supplementary agreement shall be issued by the department after completion defect liability period with the conditions as below

1. *The work shall be carried out strictly in accordance with CPWD General Specifications for Electrical Works Part-I Internal-2023, Part –II External -2023 as amended up to date and as per instructions of the Engineer-in-Charge including as below and nothing will be paid extra.*
2. *The contractor shall be responsible for comprehensive, preventive maintenance, breakdown maintenance, testing, commissioning support, and upkeep of the existing CCTV and networking systems.*
3. *The contractor shall maintain the entire system in fully operational condition throughout the contract period.*
4. *Cyber Security Requirements*
5. *The contractor shall ensure secure operation of all network devices.*
6. *Unauthorized access, configuration changes, or data extraction shall be strictly prohibited.*
7. *Passwords and administrative credentials shall remain the property of the department.*
8. *The contractor shall maintain confidentiality of all surveillance footage and network data.*
9. *Data Security and Confidentiality*
10. *CCTV recordings and network information shall be treated as confidential.*
11. *Copying, sharing, or transferring any surveillance footage without written approval shall be prohibited, Violation shall result in termination of contract and legal action.*
12. *All material shall be got approved from Engineer-in-Charge before use.*
13. *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.*
14. *All 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.*
15. *The contractor shall make his own arrangement at his own cost for electrical/ general tools and plants required for the work.*
16. *Any accident/mishappening to the working staff/ or any person shall be the responsibility of the contractor Department will not be responsible for Compensation. So Contractor has to make all the safety measures during execution of Work.*
17. *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 to the satisfaction of the Engineer-in-Charge. 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.*
18. *Watch and ward of the material/equipment shall be the responsibility of the contractor till completion of AMC.*
19. *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.*
20. *The rates of all items of work shall unless clearly specified otherwise, includes the cost of all labour, materials and other input involved in the execution of work.*

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

21. *Central / State Sales Tax / Contract Tax / GST etc. should be included in the rates tendered. Statutory deductions of contract tax at source shall be made while releasing payment through running/final bills.*
22. *Contractor shall preserve the copies of invoices, test certificates; gate passes etc. to prove the genuineness of material / purchases which are used at site as per agreement*
23. *Notwithstanding the schedule of quantities, all items of interrelated works consider necessary to make the installation complete and operative are deemed to be included shall be provided by the contractor at No extra cost.*
24. *The makes for items shall be as per list attached.*
25. *Storage: - Responsibility for storage space for execution of work shall be of main contractor.*
26. *Power & Water Supply: - Responsibility for supply of power & water for execution of work shall be of main contractor. All the hidden work shall be carried out in the presence of Engineer-in-charge or his representative.*
27. *Maintenance of cable connectivity between cameras located at different locations shall Include maintenance of cable, termination device, fixing rack, network device/ network Cable etc. and their power supply arrangements at the camera end and also includes Maintenance of media converter, termination device, network switches etc and their power Supply arrangements. The AMC shall be carried out strictly as per schedule direction given By the Engineer- in charge or his authorized subordinate (AE (E)/JE(E).*
28. *Preventive maintenance of all items which will include cleaning of all the equipment's, Checking individual and complete performance of the equipment's of the CCTV system.*
29. *Maintenance of all the CCTV cameras installed in the building, their fixing stands, Weatherproofing arrangements for the cameras, video server, media converter and its power Supply arrangement.*
30. *The contractor will be bound to attend the complaint within 24 hours as and when called by the department and no extra will be paid on account of such visit and if the contractor is unable to follow the call timely recovery shall be made @ Rs.500/- per visit by the department.*

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

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

Annexure -I

Technical bid documents**1. Compliance of technical specification of Dome camera****Proposed Make:-****Proposed Model name/ number:-**

S. No	Technical Specifications	Compliance (YES/NO)
1.	Capacity-4MP @ 25/30fps@1440P (2560 x 1440) Dome Camera with 2.8/ 3.6/ 6/8/12 mm fixed lens.	
2.	Image Sensor: 1/2.8" or better progressive Scan CMOS to get color image even at night condition(Minimum Illumination: 0.006 Lux@ F1.4, AGC ON, 0 lux with IR or better) True Day & Night High Performance Mechanical IR cut filter with auto switch, Integrated IR Source (Auto, Manual)- Inbuilt IR LED's with effective distance upto 50 meter or better and 30 meter for colour view in night, Imaging: 1/3s to 1/30000s electronic shutter support, Auto Gain Control , White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking.	
3.	Compression (Minimum): Video:- H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723	
4.	Wide Dynamic Range:- WDR (120dB or more)	
5.	Digital Noise Reduction: - DNR (3D) On/Off	
6.	Video Streaming & Frame Rates :- Triple streaming , configurable Main stream: 4MP (2560×1440)25/30fps, Sub streams minimum: 720P@25/30 fps	
7.	Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser, Edge Analytics: Tripwire, Intrusion, Motion Detection	
8.	Cyber Security: AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, video encryption, IP/MAC filtering, HTTPS, trusted upgrade	
9.	Onboard Storage: Camera should support built-in Micro SD/ SDHC/ SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card.	
10.	Recording Management: Format SD, overwrite, storage management, video to NAS device,	
11.	Alarm Trigger :Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection	

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

12.	<i>Network Protocol: SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,</i>	
13.	<i>System Capability: ONVIF, Camera shall support open-source VMS</i>	
14	<i>Ethernet: 1 RJ 45 10/100 Ethernet port</i>	
15	<i>15) Audio: It should support 1 x Built-In Mic and 1/1 Alarm In/ Out for External Mic. and Speakers as per site requirement.</i>	
16	<i>Power Input: The camera should support simultaneous dual power input—12 VDC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source.</i>	
17	<i>17) Power Requirement: 12VDC/24 VDC/PoE (802.3af)/ePoE</i>	
18	<i>Housing/ Enclosure:- IP67 weather proof, IK10, Metallic body</i>	
19	<i>Operating Condition:- Ambient Temperature:- (-)05°C to 50°C, humidity 95% (max) (non-condensing)</i>	
20	<i>IR life: 40000 hours or higher Standards: BIS with ER, STQC Certified, CE, FCC and RoHS</i>	
21	<i>Video Bit rate: 32 KBPS - 8 MBPS or better</i>	
22	<i>Standards: BIS with ER, STQC Certified, CE, FCC and RoHS</i>	

Date:-

Place:-

Signature of the bidder
Name of signing authority: -

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

Technical bid documents**2. Compliance of technical specification of Bullet camera****Proposed Make:-****Proposed Model name/ number:-**

S. No	Technical Specifications	Compliance (YES/NO)
1.	Capacity-4MP @ 25/30fps@1440P (2560 x 1440) Outdoor Bullet Camera with 2.8/ 3.6/6/8/12 mm fixed lens (as per site requirement).	
2.	Signal System: PAL/NTSC, Signal to Noise Ratio: > 50 dB, Camera should display Camera title, Date & Time in live & recorded video	
3.	Image Sensor: 1/2.8" or better progressive Scan CMOS get color image even at night condition (Minimum Illumination: 0.006 Lux@ F1.4, AGC ON, 0 lux with IR or better) True Day & Night High Performance Mechanical IR cut filter with auto switch, Integrated IR Source (Auto, Manual)- Inbuilt IR LED's with effective distance upto 50 meter or better and 30 meter for colour view in night, Imaging: 1/3s to 1/30000s electronic shutter support, Auto Gain Control, White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking	
4.	Compression (Minimum): Video:- H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723	
5.	Wide Dynamic Range:- WDR (120dB or more) 5) Digital Noise Reduction:- DNR (3D) On/Off 6) Video Streaming & Frame Rates :- Triple streaming, configurable Main stream: 4MP (2560x1440)25/30fps Sub streams minimum: 720P@25/30 fps	
6.	Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser, Edge Analytics: Tripwire, Intrusion, Motion Detection	
7.	Cyber Security: AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, video encryption, IP/MAC filtering, HTTPS, trusted upgrade	
8.	Onboard Storage: Camera should support built-in Micro SD/ SDHC/ SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card	
9.	Recording Management: Format SD, overwrite, storage management, video to NAS device	
10.	Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection	

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

11	<i>Network Protocol: SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,</i>	
12	<i>System Capability: ONVIF, Camera shall support open source VMS</i>	
13	<i>Ethernet: 1 RJ 45 10/100 Ethernet port</i>	
14	<i>Audio : It should support 1 x Built-In Mic and 1/1 Alarm In/ Out for External Mic. and Speakers as per site requirement.</i>	
15	<i>Power Input: The camera should support simultaneous dual power input—12 VDC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source</i>	
16	<i>Power Requirement: 12VDC/24 VDC/PoE (802.3af)/ePoE</i>	
17	<i>Housing/ Enclosure:- IP67 weather proof, IK10, Metallic body</i>	
18	<i>Operating Condition:- Ambient Temperature:- (-)05°C to 50°C, humidity 95% (max) (non-condensing)</i>	
19	<i>IR life: 40000 hours or higher</i>	
20	<i>Video Bit rate: 32 KBPS - 8 MBPS or better</i>	
21	<i>Standards: BIS with ER, STQC Certified, CE, FCC and RoHS</i>	

Date:-
Place:-

Signature of the bidder
Name of signing authority: -

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

Technical bid documents**3. Compliance of technical specification of PTZ camera****Proposed Make:-****Proposed Model name/ number:-**

S. No	Technical Specifications	Compliance (YES/NO)
1.	Capacity -4 MP IP IR motorized PTZ (4MP @25/30fps or better) camera, Triple streaming , configurable on resolution Main stream: 4MP@25/30 fps Sub streams :1080p@25/30 fps & D1@25/30 fps or better, varifocal lens 4.5-135mm or better with Automatic & manual Focus Adjustment provisions, 30x Optical zoom and 12x Digital zoom with angle of viewH : 57°-2.4°, m, PAN Travel: Pan: 0° ~ 360° endless;Manual Pan: 300°/s, Preset : 300° /s, Tilt Travel: Tilt: 0-90°, auto flip 180°, Manual Tilt: 200° /s, Preset : 300° /s	
2.	IP IR PTZ Camera: Motorized PAN TILT ZOOM with IR 3)Signal System: PAL/NTSC	
3	Image Sensor: 1/2.8" or better progressive Scan CMOS	
4	Minimum Illumination: 0.008 Lux@ F1.6, AGC ON,,0 lux with IR, or better	
5	Imaging: 1/1s to 1/30000s, Auto Gain Control , White Balance- Auto, Back Light Compensation, Image Rotation, Multi zone Privacy Masking (Upto 24 Area), HLC, Defog, Region Of Interest and EIS features	
6	On Screen Display: Camera should display Camera title, Date & Time in live & recorded video both	
7	Signal to Noise Ratio: > 50 dB	
8	Event Notification: Through Relays, E-Mails or FTP	
9	Day & Night: True Day & Night High Performance Mechanical IR cut filter with auto switch, IR SourceInbuilt IR LED's with effective distance. The camera should have IR LED's and cover distance up to 300 meter or above	
10	Auto Tracking: The camera should be equipped with Deep-learning-based auto tracking function using simultaneously all of the panning, tilting and zooming should be available. When a motion is detected in a registered monitoring area, the camera should track the motion (object) and capture it.	
11	Pre/Post Event Buffering: The camera should support atleast of 5 seconds of pre & post event buffering.	
12	Presets: 300 Presets	
13	Video Compression (Minimum): H.265 or better, H.264, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723	
14	Wide Dynamic Range: WDR (120dB or more), HLC & BLC	
15	Digital Noise Reduction: DNR (2D+3D) On/Off	

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

16	Image Setting: Rotate Mode, ROI, EIS, Defog, saturation, brightness, contrast, sharpness adjustable through client software or web browser	
17	Profile Management: User configuration import, export	
18	Cyber Security: Configuration encryption, AES 256-bit Encryption, Digest, account lockout, video encryption, IP/MAC filtering, trusted boot, trusted upgrade, trusted execution.	
19	Onboard Storage: Camera should support built in Micro SD/SDHC/SDXC Card slot upto 512 GB . It should be supplied with minimum 128GB Memory.	
20	Recording Management: Format SD, overwrite, storage management, video to NAS device, remote archive access via FTP login	
21	Edge based Video Analytics & Alarm Trigger: Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection, Tripwire, Intrusion, Object Abandon/ Missing, SMD, Face Detection	
22	Network Protocol: SFTP, IPv6, IPv4, DNS,NTP, HTTP, HTTPS, SNMP, TCP/IP, PPPoE, NFS, ICMP, DHCP, SMTP, RTSPS	
23	System Capability: ONVIF Profile S, G & T. CCTV Camera OEM should be fulltime member of ONVIF and quoted models should be listed on ONVIF officialwebsite (All the certifications & Credentials should be valid on the date of technical evaluation).	
24	VMS: Camera shall support open-source VMS	
25	Connectivity: 1x LAN RJ-45 (10/100Base-T)	
26	Audio Support: Audio Interface : The camera should have 1/1 Audio In/Out to connect External Mic and Speaker Audio Compression : PCM, G.711U/A, G.711MU, G.726, MPEG2-Layer2, G.722.1	
27	Alarm In/Out : Alarm In/out- 7/2 Ch In/Out	
28	Power Input: The camera should support simultaneous dual power input—DC/ AC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source.	
29	Power Requirement: 24 VDC, 2.5 A (± 25%), PoE+ (802.3at)	
30	Enclosure & Weather Proof Standard: IP67 weather proof and IK10, TVS 8000V lightning proof, surge protection, voltage transient protection	
31	Operating Condition: - Ambient Temperature: - (-)05°C to 50°C, humidity 95% (max) (non-condensing)	
32	IR life: 40000 hours or higher	
33	Video Bit rate: 32 KBPS - 8 MBPS or better	
34	Standards: BIS with ER, STQC Certified, CE, FCC and RoHS	

Date:-
Place-

Signature of the bidder
Name of signing authority

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

Technical bid documents**4. Compliance of technical specification of NVR****Proposed Make:-****Proposed Model name/ number:-**

S. No	Technical Specifications	Compliance (YES/NO)
1.	64 Channel Network Video Recorder (NVR) having display split: - Main screen: 1/4/8/9/16/25/36/64, 2nd screen: 1/4/8/9/16	
2.	Network Video Recorder Embedded/ Installed OS (Linux) along with Camera Licenses to record per NVR and to provide a live view, storage and simultaneously Multi-channel playback of all IP camera or more and must be ONVIF with minimum support of 384 Mbps incoming Bandwidth.	
3	NVR should support video compressions: H.265 or better, H.264, MJPEG. Talk with G.711U/A, G.711u, PCM, G726 audio compressions.	
4	Must support 1 channel RCA Input, 2 channel RCA Output for Two-way	
5	Intelligent auto power on when power resumes after power outage.	
6	Storage: It should support minimum 8 SATA Slots with 16TB capacity/ Slot and RAID support of RAID 0/1/5/6/10. (4 SATA Slots 32 channel & 8 SATA Slots 64 Channel	
7	Connectivity Interface : 2 Nos. x 10/100/1000 Mbps Ethernet Ports, 1x RS485, 1x RS232, 1x eSATA Port	
8	Backup Interface : Its should have 4 Nosx USB port (2x USB3.0, 2xUSB2.0)	
9	Video Output Ports: 2x HDMI and 2 VGA	
10	Alarm Ports: It should have 16/8 Ch In/ Out ports to connect various type of external sensors and output devices like hooter/ Siren etc.	
11	Email & SMS Alter options: Option for SMS/ Email Alerts to minimum 5 designated mobile number for power failure, HDD failure, vandalism, tempering, network disconnection and panic	
12	Web & Mobile Application: Web, Mobile app (For iPhone, iPad, Android Phone) for alerts and viewing.	
13	Protocols: HTTP, HTTPS, TCP/IP, IPv4/IPv6, UDP, DHCP, DNS, SMTP, UPnP, IP Filter, PPPoE, FTP, DDNS, Alarm Server, IP Search, Multicast, Auto Registration, ONVIF (Profile T, Profile S, Profile G), CGI, SDK and OEM Cloud for remote monitoring without any public IP need.	
14	Standards: CE, FCC, RoHS, BIS Certified.	
15	Power Supply : Should support AC100-240V, 50/60Hz Power supply	
16	Operating Condition : -5°C to 50°C, humidity 90% (max) (non-condensing)	

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

17	<i>The VMS application shall support all the features & functionalities of the offered cameras.</i>	
18	<i>VMS should consist Licenses for all channels to record Cameras with General, motion detection, intelligent, alarm and POS recording modes. VMS should be provided with Camera Licenses , with no dependency of VMS licenses by binding with the MAC address of the cameras to achieve the functionality</i>	
19	<i>The NVR OEM shall be responsible for providing a mobile application compatible with both Android and iOS devices, enabling remote monitoring and playback of cameras/NVR footage.</i>	
20	<i>The OEM must provide its own DDNS server hosted in India, eliminating the need for a public IP address for remote monitoring over the Internet.</i>	
21	<i>Must support Continuous, Alarm, Motion, Instant, Panic Recording Mode</i>	
22	<i>It should support Resolution: 32MP; 24MP; 16MP;12MP; 8MP; 5MP; 4MP; 1080p; 720p; D1; CIF; QCIF</i>	
23	<i>When alarm recording is enabled and an event occurs, you can click the alarm icon on monitoring page to view the alert details. The snapshot function is supported on monitoring and playback page</i>	
24	<i>The Network Video Recorder (NVR) shall be configured to send email whenever a system message is created or an alarm event occurs. The email server shall be a valid SMTP server. Each recipient email address shall be configured to receive any combination of critical, warning, or informational messages or alarm notifications. When an alarm occurs, the email message includes the NVR name,time of alarm and a list of cameras that is configured to record upon alarm</i>	
25	<i>It should have Web and GUI interface.</i>	
26	<i>Built-In Artificial Intelligence: NVR should have built-in AI :-- 2 Channel face detection and recognition, - Minimum 4 Channel perimeter protection, - Minimum 8 Channel Smart Motion Detection</i>	
27	<i>Face Recognition Database Capacity: It should support total Blacklist and Whitelist capacity of Minimum 20,000 Faces or more with Face Detection speed of 12 face images/sec and facility to add Name, gender, birthday, address, credential type, credential No., countries & regions and state to each face image.</i>	
28	<i>Face & Human Attributes Search: Search Pictures/ Video by Gender, age group, glasses, expressions, face mask, beard, Top color, top type, hat, bag, age, gender and umbrella.</i>	
29	<i>ANPR Capability: It should support ANPR Camera with License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle registration location etc vehicle attributes.</i>	
30	<i>29) Alarm Notifications based on: Motion detection, video tampering, video loss, scene changing, PIR alarm, Camera external alarm, Face detection, face recognition, perimeter protection (intrusion and tripwire), ANPR, people counting, stereo analysis, crowd distribution, heat map, Disk Full, Storage Error, IP Conflict and abnormal behavior of fan, cybersecurity exception</i>	

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

31	Alarm Notification should be linked with Recording, snapshots, Camera external alarm output, buzzer, logs, presets and email.	
32	General AI Based Search: Search Pictures by channel, time, event type, target classification (Fall Detection, People Approach Detection, People No. Exception Detection, People Staying Detection, Violence Detection.	
33	Smart playback function: Should support smart search for the selected area in the video and smart playback to improve the playback efficiency VCA (Video Content Analytic): Should support multiple video contented analytics based on camera analytics	
34	Analytics by NVR: Perimeter protection and face recognition	

Date:-

Place-

Signature of the bidder

Name of signing authority

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

Annexure -V

Technical bid documents
Undertaking from OEM on letter head

To,
The Executive Engineer (E)- Agra CPWD,
Kendralaya, 63/4, Sanjay Place, Agra,
Uttar Pradesh- 282002

NIT no- 33/NIT/EE(E)-Agra/2026-27

Name of work- Supplying, Installation, Testing & Commissioning of CCTV& EPABX System
 GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings.

Dear Sir,

This is to inform you that we , M/s_____ (OEM name) having its regd.

Office at _____

hereby authorizes M/s_____

*_____ 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 five years from the date of supply of equipment.*

*We shall provide 1 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 PREFERRED MAKE OF ELECTRICAL MATERIALS/ FITTINGS

Sl.	Item	Make
1.	FRLS PVC insulated copper conductor single core cable for wiring (ISI marked)	Havells / Polycab / Finolex / KEI / RR Kabel // Batra Henlay / Grandlay Cables / HPL
2.	XLPE insulated PVC sheathed Aluminium / Copper conductor Armoured cable of 1.1 KV grade	Havells / Polycab / Finolex / KEI / RR Kabel // Batra Henlay / Grandlay Cables / HPL
3.	MS Conduit (ISI marked) and accessories such as bend, junction box etc	AKG/BEG/Polycab/SETIA/Finolex/RMCon/Rallison/ Steel Craft Note: All MS conduit pipe accessories shall confirm & complying with IS / 4768 part 2 2003.
4.	PVC Conduit (ISI marked with heavy duty PVC conduit accessories	Precision/Modi/AKG/Finolex/MK/ Polycab/ Rallison /Setia/Diplast/ Norpack /BEC/NIC
5.	Modular Switch, Socket/ Telephone socket / cable TV Socket / Data outlet socket / Fan Regulator / GI Boxes Etc. (Wiring Accessories) Regulators etc.	Legrand (Myline) / Schneider Electric (Zencilo)/ Wipro (North West-Platina/ hager (Insyta) / MK (blenze) / Havells (Murano)/ Anchor by Panasonic wood.
6.	Telephone Cable / Cat 6 LAN cable/Fiber Cable	Denton/Finolex/Havells/Polycab/RR Cable/D-Link/
7.	HardDisk	Seagate/Western Digital/Toshiba
8.	8Port PoE Switch/SFP Modules	Netgear/D-Link/CISCO/Tejas/Extreme/Juniper/Difisol
9.	Workstation/Server	DELL/HP/IBM/Acer
10.	Rack	HCL/D-Link/Netrack/Aniston/ Comrack/President
11.	UPS	Numeric/Eaton/Mitsubishi/Vertiv/ABB/Schneider/Fuji Electric/Pegasus/Microtek
12.	DLP Tunking	Legrand / MK (Honeywell) /AKJ
13.	PVC box i/c face plate, CAT 6 I/O	Legrand/Panduit Pannet/Siemon/Belden
14.	LIU Box, CAT 6 patch panel	D-Link/Legrand/PanduitPannet/Siemon/Belden/ Systimax
15.	HDPE, DWC, Pipes	REX/JAIN PIPES/DURALITE/Gemini/Tirupathi
	Any other item not mentioned above	With prior approval from the Engineer-in-charge

Note-All the materials shall be used confirm to relevant Indian Standard Specification and where ever available material with ISI Certification Mark shall be used

Above preferred make list is indicative only, any material that fulfills BOQ, technical requirement, make in India and have requisite BIS certificate etc. can be allowed by engineer in charge if proposal is matching actual requirement.

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

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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Schedule of work					
Name of Work: - Supplying, Installation, Testing & Commissioning of CCTV& EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings					
S. No	Description of work	Qty	Unit	Rate	Amount
1	Supplying Installation Testing and Commissioning of 4MP IP IR Dome Camera having following specifications and features etc.				
	1) Signal System: PAL/NTSC, Signal to Noise Ratio: >50 dB, Camera should display Camera title, Date & Time in live & recorded video				
	2) Image Sensor: 1/2.8" or better progressive Scan CMOS to get color image even at night condition (Minimum Illumination: 0.006 Lux@ F1.4, AGC ON, 0 lux with IR or better) True Day & Night High Performance Mechanical IR cut filter with auto switch, Integrated IR Source (Auto, Manual)- Inbuilt IR LED's with effective distance upto 50 meter or better and 30 meter for colour view in night, Imaging: 1/3s to 1/30000s electronic shutter support, Auto Gain Control, White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking.				
	3) Compression (Minimum): Video:- H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723				
	4) Wide Dynamic Range:- WDR (120dB or more)				
	5) Digital Noise Reduction:- DNR (3D) On/Off				
	6) Video Streaming & Frame Rates :- Triple streaming, configurable Main stream: 4MP (2560×1440)25/30fps, Sub streams minimum: 720P@25/30 fps				
	7) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser, Edge Analytics: Tripwire, Intrusion, Motion Detection				

Correction – NIL

Insertion – NIL

Deletion – NIL

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	8) Cyber Security: AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, video encryption, IP/MAC filtering, HTTPS, trusted upgrade				
	9) Onboard Storage: Camera should support built-in Micro SD/ SDHC/ SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card.				
	10) Recording Management: Format SD, overwrite, storage management, video to NAS device,				
	11) Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection				
	12) Network Protocol: SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,				
	13) System Capability: ONVIF, Camera shall support open source VMS 14) Ethernet: 1 RJ 45 10/100 Ethernet port				
	15) Audio : It should support 1 x Built-In Mic and 1/1 Alarm In/ Out for External Mic. and Speakers as per site requirement. 16) Power Input: The camera should support simultaneous dual power input— 12 VDC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source.				
	17) Power Requirement: 12VDC/24 VDC/PoE (802.3af)/ePoE 18) Housing/ Enclosure:- IP67 weather proof, IK10, Metallic body 19) Operating Condition:- Ambient Temperature:- (-)05°C to 50°C, humidity 95% (max) (non-condensing)				
	20) IR life: 40000 hours or higher 21) Video Bit rate: 32 KBPS - 8 MBPS or better 22) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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1.1	4MP @ 25/30fps@1440P (2560 x 1440) Dome Camera with 2.8/ 3.6/ 6/8/12 mm fixed lens (as per site requirement).	15	Nos.	10,365	1,55,475
2	Supplying Installation Testing and Commissioning of 4MP IP IR Outdoor Bullet Camera having following specifications and features etc :-				
	1) Signal System: PAL/NTSC, Signal to Noise Ratio: > 50 dB, Camera should display Camera title, Date & Time in live & recorded video				
	2) Image Sensor: 1/2.8" or better progressive Scan CMOS get color image even at night condition (Minimum Illumination: 0.006 Lux@ F1.4, AGC ON, 0 lux with IR or better) True Day & Night High Performance Mechanical IR cut filter with auto switch, Integrated IR Source (Auto, Manual)- Inbuilt IR LED's with effective distance upto 50 meter or better and 30 meter for colour view in night, Imaging: 1/3s to 1/30000s electronic shutter support, Auto Gain Control, White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking				
	3) Compression (Minimum): Video:- H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723				
	4) Wide Dynamic Range:- WDR (120dB or more) 5) Digital Noise Reduction:- DNR (3D) On/Off 6) Video Streaming & Frame Rates :- Triple streaming, configurable Main stream: 4MP (2560x1440)25/30fps Sub streams minimum: 720P@25/30 fps				
	7) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser, Edge Analytics: Tripwire, Intrusion, Motion Detection				
	8) Cyber Security: AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, video encryption, IP/MAC filtering, HTTPS, trusted upgrade 9) Onboard Storage: Camera should support built-in Micro SD/ SDHC/ SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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	10) Recording Management: Format SD, overwrite, storage management, video to NAS device, 11) Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection 12)Network Protocol: SFTP, IPv6, IPv4, DNS,RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,				
	13) System Capability: ONVIF, Camera shall support open source VMS 14) Ethernet: 1 RJ 45 10/100 Ethernet port 15) Audio : It should support 1 x Built-In Mic and 1/1 Alarm In/ Out for External Mic. and Speakers as per site requirement. 16) Power Input: The camera should support simultaneous dual power input— 12 VDC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source				
	17) Power Requirement: 12VDC/24 VDC/PoE (802.3af)/ePoE 18) Housing/ Enclosure:- IP67 weather proof, IK10, Metallic body 19) Operating Condition:- Ambient Temperature:- (-)05°C to 50°C, humidity 95% (max) (non-condensing) 20) IR life: 40000 hours or higher 21) Video Bit rate: 32 KBPS - 8 MBPS or better 22) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS				
2.1	4MP @ 25/30fps@1440P (2560 x 1440) Outdoor Bullet Camera with 2.8/ 3.6/6/8/12 mm fixed lens (as per site requirement)	23	Nos.	10,063	2,31,449
3	Supplying Installation Testing and Commissioning of PTZ (Pan,Tilt and Zoom) IP IR Camera having following specifications and features etc :-				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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	1) IP IR PTZ Camera: Motorized PAN TILT ZOOM with IR 2) Image Sensor: 1/2.8" or better progressive Scan CMOS 3)Signal System: PAL/NTSC 4) Minimum Illumination: 0.008 Lux@ F1.6, AGC ON,,0 lux with IR, or better 5) Imaging: 1/1s to 1/30000s, Auto Gain Control , White Balance- Auto, Back Light Compensation, Image Rotation, Multi zone Privacy Masking (Upto 24 Area), HLC, Defog, Region Of Interest and EIS features				
	6) On Screen Display: Camera should display Camera title, Date & Time in live & recorded video both. 7) Signal to Noise Ratio: > 50 dB 8) Event Notification: Through Relays, E-Mails or FTP 9) Day & Night: True Day & Night High Performance Mechanical IR cut filter with auto switch, IR SourceInbuilt IR LED's with effective distance. The camera should have IR LED's and cover distance up to 300 meter or above 10) Auto Tracking: The camera should be equipped with Deep-learning-based auto tracking function using simultaneously all of the panning, tilting and zooming should be available. When a motion is detected in a registered monitoring area, the camera should track the motion (object) and capture it. 11) Pre/Post Event Buffering: The camera should support atleast of 5 seconds of pre & post event buffering. 12) Presets: 300 Presets 13) Video Compression (Minimum): H.265 or better, H.264, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723 14) Wide Dynamic Range: WDR (120dB or more), HLC & BLC 15) Digital Noise Reduction: DNR (2D+3D) On/Off 16) Image Setting: Rotate Mode, ROI ,EIS, Defog, saturation, brightness,				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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	contrast, sharpness adjustable through client software or web browser 17) Profile Management: User configuration import, export				
	18) Cyber Security: Configuration encryption, AES 256-bit Encryption, Digest, account lockout, video encryption, IP/MAC filtering, trusted boot, trusted upgrade, trusted execution 19) Onboard Storage: Camera should support built in Micro SD/SDHC/SDXC Card slot upto 512 GB . It should be supplied with minimum 128GB Memory. 20) Recording Management: Format SD, overwrite, storage management, video to NAS device, remote archive access via FTP login 21) Edge based Video Analytics & Alarm Trigger: Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection, Tripwire, Intrusion, Object Abandon/Missing, SMD, Face Detection 22) Network Protocol: SFTP, IPv6, IPv4, DNS,NTP, HTTP, HTTPS, SNMP, TCP/IP, PPPoE, NFS, ICMP, DHCP, SMTP, RTSPS. 23) System Capability: ONVIF Profile S, G & T. CCTV Camera OEM should be fulltime member of ONVIF and quoted models should be listed on ONVIF official website (All the certifications & Credentials should be valid on the date of technical evaluation). 24) VMS: Camera shall support open source VMS 25) Connectivity: 1x LAN RJ-45 (10/100Base-T) 26) Audio Support: Audio Interface : The camera should have 1/1 Audio In/Out to connect External Mic and Speaker Audio Compression : PCM, G.711U/A, G.711MU, G.726, MPEG2-Layer2, G.722.1 27) Alarm In/Out : Alarm In/out- 7/2 Ch In/Out				

Correction – NIL

Insertion – NIL

Deletion – NIL

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	28) Power Input: The camera should support simultaneous dual power input—DC/ AC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source. 29) Power Requirement: 24 VDC, 2.5 A ($\pm 25\%$), PoE+ (802.3at) 30) Enclosure & Weather Proof Standard: IP67 weather proof and IK10, TVS 8000V lightning proof, surge protection, voltage transient protection 31) Operating Condition:- Ambient Temperature:- ($-$)05°C to 50°C, humidity 95% (max) (non-condensing) 32) IR life: 40000 hours or higher 33) Video Bit rate: 32 KBPS - 8 MBPS or better 34) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS				
3.1	4 MP IP IR motorized PTZ (4MP @25/30fps or better) camera, Triple streaming , configurable on resolution Main stream: 4MP@25/30 fps Sub streams :1080p@25/30 fps & D1@25/30 fps or better, varifocal lens 4.5-135mm or better with Automatic & manual Focus Adjustment provisions, 30x Optical zoom and 12x Digital zoom with angle of viewH : 57°-2.4°, m, PAN Travel: Pan: 0° ~ 360° endless;Manual Pan: 300°/s, Preset : 300°/s, Tilt Travel: Tilt: 0-90°, auto flip 180°, Manual Tilt: 200°/s, Preset : 300°/s	1	Each	78,389	78,389
4	Supplying Installation Testing and Commissioning of following Channel Network Video Recorder (NVR) with camera licenses to record for all channels having specifications and features etc as mentioned below : 1) Network Video Recorder Embedded/ Installed OS (Linux) along with Camera Licenses to record per NVR and to provide a live view, storage and simultaneously Multi-channel playback of all IP camera or more and must be ONVIF with minimum support of 384 Mbps incoming Bandwidth.				

Correction – NIL

Insertion – NIL

Deletion – NIL

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2) NVR should support video compressions : H.265 or better, H.264, MJPEG. 3) Must support 1 channel RCA Input, 2 channel RCA Output for Two-way Talk with G.711U/A, G.711u, PCM, G726 audio compressions. 4) Intelligent auto power on when power resumes after power outage. 5) Storage: It should support minimum 8 SATA Slots with 16TB capacity/ Slot and RAID support of RAID 0/1/5/6/10. (4 SATA Slots 32 channel & 8 SATA Slots 64 Channel				
6) Connectivity Interface : 2 Nos. x 10/100/1000 Mbps Ethernet Ports, 1x RS485, 1x RS232, 1x eSATA Port				
7) Backup Interface : Its should have 4 Nosx USB port (2x USB3.0, 2xUSB2.0)				
8) Video Output Ports: 2x HDMI and 2 VGA 9) Alarm Ports: It should have 16/8 Ch In/ Out ports to connect various type of external sensors and output devices like hooter/ Siren etc. 10) Email & SMS Alert options: Option for SMS/ Email Alerts to minimum 5 designated mobile number for power failure, HDD failure, vandalism, tempring, network disconnection and panic 11) Web & Mobile Application: Web, Mobile app (For iPhone, iPad, Android Phone) for alerts and viewing. 12) Protocols: HTTP, HTTPS, TCP/IP, IPv4/IPv6, UDP, DHCP, DNS, SMTP, UPnP, IP Filter, PPPoE, FTP, DDNS, Alarm Server, IP Search, Multicast, Auto				
Registration, ONVIF (Profile T, Profile S, Profile G),CGI, SDK and OEM Cloud for remote monitoring without any public IP need. 13) Standards: CE, FCC, RoHS, BIS Certified 14) Power Supply : Should support AC100-240V, 50/60Hz Power supply.				

Correction – NIL

Insertion – NIL

Deletion – NIL

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	15) Operating Condition : -5°C to 50°C, humidity 90% (max) (non-condensing) 16) The VMS application shall support all the features & functionalities of the offered cameras. 17) VMS should consist Licenses for all channels to record Cameras with General, motion detection, intelligent, alarm and POS recording modes. VMS should be provided with Camera Licenses , with no dependency of VMS licenses by binding with the MAC address of the cameras to achieve the functionality. 18) The NVR OEM shall be responsible for providing a mobile application compatible with both Android and iOS devices, enabling remote monitoring and playback of cameras/NVR footage.				
	19) The OEM must provide its own DDNS server hosted in India, eliminating the need for a public IP address for remote monitoring over the Internet. 20) Must support Continuous, Alarm, Motion, Instant, Panic Recording Mode 21) It should support Resolution: 32MP; 24MP; 16MP; 12MP; 8MP; 5MP; 4MP; 1080p; 720p; D1; CIF; QCIF 22) When alarm recording is enabled and an event occurs, you can click the alarm icon on monitoring page to view the alert details. The snapshot function is supported on monitoring and playback page				
	23) The Network Video Recorder (NVR) shall be configured to send email whenever a system message is created or an alarm event occurs. The email server shall be a valid SMTP server. Each recipient email address shall be configured to receive any combination of critical, warning, or informational messages or alarm notifications. When an alarm occurs, the email message includes the NVR name, time of alarm and a list of camera that is configured to record upon alarm 24) It should have Web and GUI interface.				

Correction – NIL

Insertion – NIL

Deletion – NIL

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	25) Built-In Artificial Intelligence: NVR should have built-in AI :-- 2 Channel face detection and recognition, - Minimum 4 Channel perimeter protection, - Minimum 8 Channel Smart Motion Detection				
	26) Face Recognition Database Capacity: It should support total Blacklist and Whitelist capacity of Minimum 20,000 Faces or more with Face Detection speed of 12 face images/sec and facility to add Name, gender, birthday, address, credential type, credential No., countries & regions and state to each face image. 27) Face & Human Attributes Search: Search Pictures/ Video by Gender, age group, glasses, expressions, face mask, beard, Top color, top type, hat, bag, age, gender and umbrella. 28) ANPR Capability: It should support ANPR Camera with License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle registration location etc vehicle attributes.				
	29) Alarm Notifications based on: Motion detection, video tampering, video loss, scene changing, PIR alarm, Camera external alarm, Face detection, face recognition, perimeter protection (intrusion and tripwire), ANPR, people counting, stereo analysis, crowd distribution, heat map, Disk Full, Storage Error, IP Conflict and abnormal behavior of fan, cybersecurity exception				
	30) Alarm Notification should be linked with Recording, snapshots, Camera external alarm output, buzzer, logs, presets and email. 31) General AI Based Search: Search Pictures by channel, time, event type, target classification (Fall Detection, People Approach Detection, People No. Exception Detection, People Staying Detection, Violence Detection.				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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	32) Smart playback function: Should support smart search for the selected area in the video and smart playback to improve the playback efficiency 33) VCA (Video Content Analytic): Should support multiple video contented analytics based on camera analytics 34) Analytics by NVR: Perimeter protection and face recognition				
4.1	64 Channel Network Video Recorder (NVR) having display split :- Main screen: 1/4/8/9/16/25/36/64, 2nd screen: 1/4/8/9/16	1	Nos.	82,600	82,600
5	Supplying, Installation, Testing and Commissioning following capacity Surveillance grade Hard Disk with upto 256MB/s Transfer Rate, 256 MB Cache, 7200 RPM Disk Speed, 3.5 inch form factor, SATA Interface, BSMI, ICES-003/NNB-003, CE, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB-Scheme, TUV, UL Certifications.				
5.1	10TB (Terabytes)	8	Nos.	24,798	1,98,384

Correction – NIL

Insertion – NIL

Deletion – NIL

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6	Supplying, installation, Testing and commissioning of following capacity 8 port Layer 2 indoor Network Switch having features and specifications etc. as mentioned here under: Minimum 8 X RJ-45 Gigabit Ethernet Ports and additional 2 X 1G SFP Ports with non-blocking architecture by having Switching capacity of minimum 20Gbps and packet forwarding rate of 14Mpps or higher, 8K MAC table. Internal dual AC Power supply with operating temperature of -5 0C to +50 0C. Jumbo frame: 9KB or higher, IGMP Snooping, IGMP snooping querier and support for IGMP Snooping Fast Leave, Should create 250 or more MLD groups, MLD Snooping, Per VLAN MLD Snooping C MLD Snooping Fast Leave, STP, RSTP, MSTP, Loopback detection, Multicast filtering, VLAN Tagging, QOS: 8 Que per port, WRR, IPv4/IPv6 Interface : minimum 100 IPv4 static route entries and minimum 50 IPv6 static route entries, 700 Access Control entries, SSH CSSL for IPv4 and IPv6, 802.1x, ARP Spoofing, DHCP Snooping and server screening, IP+MAC+Port Binding, Per Port Bandwidth Control, 802.1X Authentication (Supports local/RADIUS database, Port-based Access Control and EAP, OTP, TLS, TTLS, PEAP Support) Cable Diagnostic feature, LLDP, LLDP-MED, SNTp/NTP, RMON, SNMP v1,v2c, v3 and SNMP Traps. Certifications: FCC, CE marked, UL/EN, RoHS and Relevant MTCTE(TEC) /BIS Compliance/certification as applicable, etc. complete as required.				
6.1	8 port PoE Layer 2 Network Switch with PoE Support of 130W or higher with each copper port supporting 802.3at PoE+.	7	Nos.	35,091	2,45,637

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E)(P)

EE (E)-Agra

7	Supplying, installation, Testing and commissioning of following capacity 24 port Layer 2 indoor Network Switch having features and specifications etc. as mentioned here under: At least 24 X RJ-45 Gigabit Ethernet Ports and additional 2 X 10G Base -T with 4 X SFP Ports with non-blocking architecture by having Switching capacity of min. 128Gbps and packet forwarding rate of 95Mpps or higher, 16K MAC table. Console Port, USB port, Stacking support of min. 4 units per stack. Internal dual AC Power supply, STP, RSTP, MSTP, BPDU Filter, BPDU Restriction, Min. 9K Jumbo Frame, LBD, IGMP Snooping V1/V2/V3, MLD Snopping V1/V2. IGMP /MLD Groups 1K or more, IPv4/IPv6 Loopback Interface, 16 L3 IP Interface, Ipv6 ND, VRRPv3, UDP Helper, ECMP. VLAN: 802.1Q, Port based, Q-in-Q, Multicast VLAN, Protocol VLAN, VLAN Trunking, DHCP Snopping, Server, server Screening. RADIUS , TACACS+ Authentication, QoS: 802.1P, 8 queues per port, QoS : WRR, Strict+WRR, WRED, 802.1p. ACL: MAC based, IPv4C IPv6, TCP/UDP Port number, time based ACL, TFTP Client, SNMP V1, v2c, v3, SNMP traps, RMON, DHCP server, relay, client, LLDP, LLDP-MED, OAM, Dying Gasp, 802.3ah, sflow, RIP, OSPF v2/v3, policy based route, SSL, SSH. 6 kV surge protection on all Gigabit Ethernet ports and on all GE RJ-45 access ports. Certifications: FCC, CE marked, UL/EN, RoHS and Relevant MTCTE(TEC) /BIS Compliance/ certification as applicable, etc. complete as required.				
7.1	24 port PoE Layer 2 Network Switch with PoE Support of 370W or higher with each copper port supporting 802.3at PoE+ min.	1	Nos.	1,25,393	1,25,393
8	Supplying Installation Testing and Commissioning of 24 port Cat6 Patch Panel loaded. Must be of 1U height with clear label holders and white label with the panel. 24 Ports Cat-6 Patch Panel should have ETL/UL verification program certificate for compliance with ANSI/TIA-568.2-D etc. complete as required.	8	Nos.	5,278	42,224

Correction – NIL

Insertion – NIL

Deletion – NIL

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9	Supplying, Installation, Testing and commissioning of following CAT6A Patch Cord should have ETL/UL verification program certificate for compliance with ANSI/TIA-568.2-D etc. complete as required.				
9.1	Copper Patch Cords of length 1m (3ft)	39	Nos.	173	6,747
9.2	Copper Patch Cords of length 3m (10ft)	4	Nos.	405	1,620
10	Supplying, Installation, Testing and commissioning of RJ45 Connector for CAT 6/6A Cables. RJ45 modular plug supports 4 twisted pairs, 8 positions, 8 connectors. Housing: PC, UL94V-2, transparent color, Use for 24- 26 AWG stranded wires etc. complete as required.	39	Nos.	9	351
11	Supplying, drawing, Testing and commissioning of Cat6A UTP 4 pair, 23 AWG solid copper cable in existing conduit/ on surface, U/FTP, LSZH, NonPlenum, Horizontal (solid) Cable suitable for high speed data networking application supporting upto 10Gbps over a 100 meter channel. The 4 Unshielded Twisted Pairs (UTP) cable with color coded insulation for easy identification should have FLAME PROPERTIES i.e. Flammability Test - IEC 60332-1, Smoke Density - IEC 61034, LSZH standards compliance: ANSI/TIA-568 C.2, ISO/IEC 11801, IEEE 802.3an, RoHS. Delay Skew should be < 45NS. The outer Cable Diameter should be 7.5 + 2 mm. Cable should have been tested and verified by UL/ ETL etc. complete as required.				
11.1	1 Run of cable	600	Mtr	62	37,200
11.2	2 Run of cable	300	Mtr	99	29,700
11.3	3 Run of cable	150	Mtr	137	20,550
11.4	4 Run of cable	100	Mtr	174	17,400

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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12	Supplying and drawing following core Fiber Optic Cable having corrugated steel armoring. The Fiber should be SM Fiber Central -loose tube filled with Thixotropic jelly, duly following Standards: ISO 11801, IEC 60793-1/60794-1-2, ITU-T-REC G.652D and Telecordia GR-20-core, High quality Electro Chromium Coated Corrugated Steel tape (ECCS) and HDPE-Sheath, Operating ambient Temperature should be – 5 0C to +50 0C and Storage Temperature shall be – 5 0C to +50 0C, Max Attenuation ± 0.36 (db / km) at Operational Wavelength 1310 nm and ± 0.22 db / km at Operational Wavelength 1550 nm. type of fiber should be 9/125 / G.652D & Refractive Index should be 1.4670/1.4675. The value for Mode-field, Cladding Diameter $9.2 \pm 0.4 \mu\text{m}$ and $125 \pm 0.7 \mu\text{m}$ correspondingly. The Dispersion value $< 3.5 < 18$ ps/nm-km and PMD value < 0.2 ps/km and Cable Cutoff wavelength < 1260 nm i/c splicing & marking etc complete as required.				
12.1	Single Mode 6 Core Optical fiber cable	600	Mtr	64	38,400
13	Supply and fixing following port Rack Mount loaded LIU with pigtail, Front-mounted cable saddles for jumper management, suitable to manage both splices and terminations, Pre-assembled shelves in multiple configurations, Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers, 2 fiber spools built-in for 900 μm tight buffered fiber storing, Capable of storing up to 3 meters of 900 μm tight buffered fiberper adapter, Removable front and rear covers for better access to interior of LIU, Should be Single / Multi mode LC Type fully loaded. Accessory kit consists of cable ties, mounting ear screws, and spiral wrap tube etc complete as required.				
13.1	6 Port LIU	4	Nos.	5,471	21,884
13.2	24 Port LIU	1	Nos.	10,049	10,049

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

EE (E)-Agra

14	Supplying and fixing Patch Cord of Optical Fiber Multi Mode or Single Mode LC to LC Fiber Duplex having high precision ceramic ferrule with good concentricity, Fiber corning single mode G652D, Cable Type 2mm with Mechanical specification Apex Offset $\leq 50 \mu\text{m}$, Fiber Height $\pm 100 \text{ nm}$, End-face radius of Curvature $7\text{mm} < R < 25\text{mm}$, Repeatability $\leq 0.2 \text{ dB}$, Working ambient Temperature - 5 0C to +50 0C, Storage Temperature - 10 0C to +50 0C, Length -- 2meter, Type -- LC-LC Duplex etc complete as required.	8	Nos.	705	5,640
15	Supplying and fixing of following size Wall Mount Rack having Fixed Structure with 0.8mm CRCA Sheet, completely knocked-down condition (CKD) Shape, Vertical Mounting Rail 1.6 mm with 'U'Marking, Minimum 2 cable entry/exit provision at Top and bottom with rubber protection, Front 5mm Toughened Glass with lock, wall mounting kit, Powder coated Color- RAL- 7035, complied with UL & RoHS, 2 x 6 sockets 16A power distribution units, 3 numbers closed cable organizer, Hardware mounting screws packet of 20 x 1 number, etc. complete as required.				
15.1	6U Rack	4	Nos.	6,939	27,756
15.2	9U Rack	1	Nos.	8,960	8,960
16	Supply and fixing Outdoor Pole/ Wall mount 6U Rack, IP55, Front Door with Filter, Louver & Unique key Lock. 3 Socket PDU 5Amp - 1 No. Self adhesive thermal foam from inside. Hood For Air Inlet at front side. 1U Cantilever Tray 250mm Depth, Gasket. etc complete as required.	1	Nos.	22,228	22,228
17	Supplying, Installation, Testing and commissioning of small form-Pluggable (SFP) for Network Switches. Must be hot Pluggable, RoHS Complaint, etc. complete as required.				
17.1	1G SFP Single Mode/Multi Mode	14	Nos.	4,211	58,954
18	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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18.1	20 mm	800	Mtr.	151	1,20,800
18.2	25 mm	350	Mtr.	168	58,800
19	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
19.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	200	Mtr.	289	57,800
20	Earthing with G.I. earth pipe 4.5 Meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2	Nos.	7,658	15,316
21	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20	Mtr.	287	5,740
22	Supplying, Installation, testing and commisioning of EPABX machine with minimum 24 extentions, supports analog, PRI, SIP, and GSM Trunks with 24 port, auto attendant, hold on, extension flexible numbering and i/c accessories for supply on 230V , 50 Hz, AC supply etc as required.	2	Each	30,465	60,930
23	Supplying, Installation, testing and commisioning of Corded Telephone Set with LCD display screen , caller ID, Redial , hold on, real time clock display , ring volume control,mute key and other basic requirement of a phone receiver etc i/c its accessories as required.	31	Each	1,487	46,097
24	Supplying and drawing following pair 0.5 mm dia FRLS/HFFR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
24.1	2 Pair	200	Mtr.	39	7,800
25	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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25.1	Telephone socket outlet	31	Each	168	5,208
26	Supply and fixing of 1/2 module PVC box along with face plate suitable for telephone I/O port etc complete as required.	31	Each	512	15,872
27	Supplying, laying, testing and commissioning of Following size 1100 V grade PVC insulated and PVC sheathed flexible copper conductor cable, single core/multi-core, with bare annealed stranded copper conductor, conforming to IS 694:2010, complete as required				
27.1	3x2.5 sqmm	50	Mtr	279	13,950
28	Supplying of 3 module PVC box with modular plate and cover including providing and fixing 3 pin 15/16 A modular socket outlet and 15/16 A modular switch etc. as required.	10	Each	359	3,590
29	Supplying, installation, Testing & Commissioning of following capacity at full load (Unity Power Factor) ON LINE Uninterrupted Power Supply (UPS) system suitable for Single Phase input, Single Phase output AC Supply. The UPS shall include a Rectifier, inverter, battery bank suitable for 30 minutes back up (Battery VAH capacity shall not be less than 1600 VAH per KVA of UPS rating per Hour backup time) on full load (Battery shall be VRLA, SMF in ABS Container) and Static Bypass switch alongwith provision for manual bypass, suitable isolation transformer for additional protection against neutral faults etc. The UPS systems shall be Microprocessor based Digital Control, using Insulated Gate Bipolar Transistor (IGBT)'s both for the rectifier & inverter with PWM (Pulse Width Modulation) Technology. The quality of design, manufacturing and inspection process should confirm to the relevant Inter-national standards such as IEC/EN/VDE. The operating efficiency of the UPS systems shall be >95% at 100% non-linear loads. Current total harmonic distortion (ITHD)/ total demand distortion (TDD) on the input grid shall be < 5% at 100 %load. (The required LC filters shall be included in UPS cost),				

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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	extreme power factor kit to be include to limit the input pf to 0.99 and output power factor shall be unity (i.e. kw rating of the UPS shall be kva rating x 1)				
	however UPS shall be suitable to take load at 0.7 lagging to 0.7 leading power factor loads. UPS shall be suitable for incoming supply AC single phase 160-270V 50 Hz and delivering output AC supply true sine wave single phase 220/230/240 Volt, 50 Hz +/- 0.2Hz, Overload capacity of 120% for 10 mins and 150% for 1 minute. Operating temperature 0 to 40 deg C, Relative humidity 0-95% non condensing, noise level less than 60db				
	at 1 meter distance, Protection for Under voltage, over voltage, abnormal output voltage, battery over charging, output over current, short circuit, battery deep discharge , 10 KV surge. Display for watt/VA, Amp and Voltage power parameters etc. UPS shall comply with low voltage electromagnetic compatibility (EMC) achieved as per EN 6204, EN6204 Part I and Part 2, it shall be a Voltage and Frequency Independent (VFI) type UPS (as per standard IEC 62040-1, 2 & 3) . The UPS should be with IGBT Based Inverter Technology, Communication RS232/ RS485/ SNMP port open protocol for BMS integration as per approved by Engineering in charge. Required battery racks, DC breaker of suitable rating and interconnecting copper conductor cable of suitable size and connectors and all required accessories are inclusive in the cost. The UPS should have QR code which should contain drawing, test report OEM manual, Geo- Tag of manufacturing location etc				
29.1	2KVA	4	Each	45,894	1,83,576
	Total				20,62,469

Correction – NIL

Insertion – NIL

Deletion – NIL

AE (E) (P)

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30	Comprehensive annual maintenance of CCTV system and EPABX system including all allied accessories like Camera, NVR, Network Switches, EPABX machine, telephone receiver, Fiber cabling, Cat6A Cabling, SFP modules, software upgrade including 1 mandatory visit/month of engineer for checking of complete system and as and when required to remove any fault etc complete as required. Nothing extra shall be paid for maintenance of and upkeepment of system against software of any other item. proper record of up time and down time shall be logged and recovery shall be made as per terms and conditions of supplementary agreement.				
30.1	First Year (Defect liability period)	12	Month	0	0
30.2	Second Year	12	Month	8,594	1,03,123
30.3	Third Year	12	Month	10,312	1,23,748
30.4	Fourth year	12	Month	12,031	1,44,373
30.5	Fifth Year	12	Month	13,750	1,64,998
	Grand total				25,98,711

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. 33/NIT/EE(E)-Agra/2026-27					
Name of Work:-		Supplying, Installation, Testing & Commissioning of CCTV & EPABX System GPRA Colony, Sikandra, Agra and its adjoining CPWD buildings			
Estimated Cost put to tender (Rs.)			₹ 25,98,711/-		
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	₹ 25,98,711/-			

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