

**GOVERNMENT OF INDIA
OFFICE OF
THE EXECUTIVE ENGINEER (ELECT.)
INDORE CENTRAL ELECTRICAL DIVISION
C.P.W.D., INDORE**



NOTICE INVITING TENDER

N.I.T. NO. : 31 / EE (E)/ICED/2026-27

NAME OF WORK : SITC of Separate CCTV Surveillance system at CDSCO's
Sub- Zonal office, Indore (M.P.)

ESTIMATED COST : Rs. 5,37,924/-

EARNEST MONEY : Rs. 10,758/-

TIME ALLOWED : 2 Months

Certified that this N.I.T. contains Total page Marked as 1 to 29 excluding this and Index page, including correction slip.

Executive Engineer (E),
Indore Cent. Elect. Division,
CPWD, Indore

Name of work: SITC of Separate CCTV Surveillance system at CDSCO's Sub- Zonal office, Indore (M.P.)		
<u>I N D E X</u>		
Sl.No.	Description	Page No.
1.	Information and Instructions for Contractors	1-5
2.	CPWD-6 for e-Tendering	6-10
3	Receipt of Deposition of original EMD& Form "F"	11
4.	Form CPWD – 7	12
5.	Acceptance	13
6.	PROFORMA OF SCHEDULES	14-18
7.	Additional Conditions	19-20
8.	List of Approved 'Makes'	21
9.	Schedule of Quantities	22-29
NIT amounting to Rs. 5,37,924/- is hereby approved.		

Assistant Engineer (E)(P)
ICED, CPWD, Indore

Executive Engineer (E)
ICED CPWD, Indore

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING
FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

The Executive Engineer (E), ICED, CPWD, Indore on behalf of President of India invites online Composite Percentage rate bids from approved and eligible contractors of CPWD in appropriate class and in building & roads category as per **OM No. DG/Enlist-rules/2026/Misc./01 dated 31/12/2025** for the following work (s):

Sl . N o.	NIT No.	Name of Work & Location	Estimated composite Cost Put to Bid (Rs.)	Earnes t Money (EMD) (Rs.)	Stipulate d Period of Completi on of work (in Months)	Last date & time of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document	Time & date of opening of bid
1	2	3	4	5	6	7	8
1	31/EE(E)/ICED/2026-27	SITC of Separate CCTV Surveillance system at CDSCO's Sub- Zonal office, Indore (M.P.)	Rs. 5,37,924/-	Rs. 10,758/-	2 Months.	14 /08/2026 .upto 03:00 PM	14 /08/2026. at 03:30 PM

1. 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.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. and 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 (for balance amount as prescribed) from any of commercial bank towards **EMD in Favour of Executive Engineer , Indore Central Division-1, CPWD, Indore**, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE), CPWD and all the other documents stipulated in bid document. If

the scanned copies of all the documents stipulated in the bid document are not uploaded, then bid will become invalid and shall summarily be rejected.

5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/transactions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instruction available on download section of <https://etender.cpwd.gov.in>.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as “0”. Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as “0” (ZERO).

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

10. Pre Bid conference shall be held in the chamber of SE (Indore) CPWD, Indore on dated
..... at 11:00 AM to clear the doubt of intending bidders, if any

SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES

1. The agency shall submit the similar work experience documents in respect of experience of having satisfactory completed similar works as defined below during last seven years ending previous date to the last date of submission of the bid.

S.No.	Eligibility Criteria for approval of specialized agency
1	SITC of Separate CCTV Surveillance System at CDSCO's Sub-zonal office Indore (M.P.)
	Three similar completed works each costing not less than Rs. 2.15 Lakhs OR Two similar completed works each costing not less than Rs. 3.25 Lakhs OR One similar completed work each costing not less than Rs. 4.30 Lakhs Similar work shall mean "SITC of CCTV System."

2. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of tenders.
3. However the Main Contractor shall also be eligible to carry out himself any or all of the above specialized works without associating any specialized agency provided they fulfil the prescribed eligibility criteria for each of the above specialized work(s).

FORM –II

PROPOSAL FOR ELIGIBLE AGENCIES FOR SPECIALIZED WORK(S)

I/we hereby propose the following agencies to be associated as per mentioned against each for executing corresponding specialized work(s). Their consent letter are also attached as per **FORM-I**

Sl.N.	Name of Associated Specialized Agency	Category and class of CPWD registration/E nlistment (if any)	Registration/En listment copy/ completion Certificates attached	Validity of registration/E nlistment	Value of Gross Work Done of Specialized work	Experience Certificate attached (Yes/No)	Consent letter attached (Yes/No)
Sub Work							
1							
2							
3							
4							

Signature of Main Contractor

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

(ONLY SCANNED DOCUMENTS ARE TO BE UPLOADED. PHOTOGRAPHS OF RELEVANT DOCUMENTS, IF UPLOADED, ARE LIABLE TO BE REJECTED IN CASE OF LACK OF CLARITY)

(1)	Bankers Cheque of a Commercial Bank/ Account Payee Demand Draft of a Commercial Bank, Fixed Deposit Receipt (FDR) of a Commercial Bank/insurance Surety Bonds/Bank Guarantee (for balance amount as prescribed) from a commercial bank against EMD drawn in favour of Executive Engineer Indore Central Division-1, CPWD. Indore.
(2)	Copy of receipt for deposition of original EMD issued from division office (including NIT issuing EE), CPWD. Note:- EMD is required to deposit in the office of Executive Engineer (Elect.), Indore Electrical Division, CPWD, Indore who is inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission as per CPWD Works Manual-2024 and associated SOP Provision 5/1 (Refer Para 5.1.3 (1)) CPWD OM No. DG/Manual-2024/Misc./01 dated 15-07-2024). If the EMD is deposited in Sub Division office then it shall not be considered and tender shall be rejected.
(3)	Enlistment Order of the Contractor of CPWD in appropriate Category and valid on the date of opening of tender as per OM No. DG/Enlist-Rules/2026/Misc./01 dated 31/12/2025.
(4)	GST registration Certificate, if already obtained by the bidder.. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following under taking along with bid documents. "If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".
(5)	Electrical license from competent authority in the name of the contractor or undertaking that " I hereby confirmed that I will either obtain valid electrical license at the time of execution of electrical work or associate CPWD register contractor having valid electrical licenses of eligible class".
(6)	An undertaking that if "I/We shall become the lowest tenderer then I/We shall submit the documents of work experience certificate of Associated Agencies, Work Experience Certificate of specialized agency with GST, EPF, ESIC as per the eligibility criteria mentioned in the NIT for association of specialized E&M Work within 10 days after award of work. Action under Clause-3 may also be taken against me/us for major delay."
(7)	Certificate of training of ERP .
(8)	Contact Details

**CPWD-6 FOR e-TENDERING
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDER**

Online Percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD in appropriate class and in building & roads category for the work of :
SITC of Separate CCTV Surveillance system at CDSCO's Sub- Zonal office, Indore (M.P.)

1. The enlistment of the contractors should be valid on the last date of submission of bids. In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

1.1 The work is estimated to cost : Rs. 5,37,924/-

This estimate, however, is given merely as a rough guide.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be 2 **Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

Note : The stipulated work timeline for execution, as outlined in the tender document, has been condensed to months. To achieve this accelerated completion, the contracting agency will have to operate with 2 to 3 shifts. It's imperative to note that despite the intensified schedule, no additional payments will be granted on account of this expedited work arrangement.

4. **The site for the work is available.**
The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work
5. The Bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of contract to be complied with and other necessary documents except Standard General Conditions of Contract Form 2023 (Construction Work) can be seen from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost. The standard publications like General Conditions of Contract-2023 (Construction Work), Delhi Schedule of Rates (for Civil, Electrical & horticulture) specifications for Civil, Electrical and horticulture works and Delhi Analysis of Rates (for Civil, Electrical & Horticulture) with amendments / correction slips up to the previous day of submission of tender can be seen free of cost from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of **Executive Engineer, Indore Central Division-1, CPWD, Indore**) shall be scanned and uploaded on 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 of any Commercial bank having validity for a period of 90 days for single bid 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.

Copy of Enlistment Order 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 14 /08 /2026 at 15:30 PM.

10. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if :
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload all the documents including Goods and Service Tax (GST) registration or undertaking as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - (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 tenderer in the office of tender opening authority.
 - (iv) If a tenderer does not quote any percentage above / below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The Contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in Schedule "E" and within the period specified in schedule F. This guarantee shall be in the form of Original bank guarantee including e-bank guarantee of any commercial bank 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 sub contractors, if any engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period of specified in Schedule-F.

12. **SITC of Separate CCTV Surveillance system at CDSCO's Sub- Zonal office, Indore (M.P.)**

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra claims/payments 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 mentioned if any, in this tender document and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to tender for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are

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

17. No Engineer of gazette rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. **The bid for the works shall remain open for acceptance for a period of 30 (Thirty) Days from the date of opening of bid.**
 - (i) If any bidder withdraws his bid 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 and remedy be at liberty to forfeit 50% of the said earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any bidder withdraws his bid 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 and remedy be at liberty to forfeit 100% of the said earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
19. This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender 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 Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender 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 for CPWD works-2023 (Construction Work) as amended upto previous day of submission of bid.
20. 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(E) (Telephone : **0731-2970313** /E-mail: **eeeicedcpwdind-mp@nic.in**) or ERP help line 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.

21.0 **Jurisdiction of Courts or seat of arbitration**

The Court of the place from where the letter of award of work has been issued shall have the jurisdiction to decide any dispute arising out of or in respect of the contract. Similarly seat of Arbitration will be the place from where the letter of award of work has been issued.

- 22.0 CPWD does not have funds of its own and it carries out the works of client departments from their funds (deposit, budgetary, authorization). The CPWD is making payments to the contractors after getting budget / authorization / deposit from various Ministries / Client Departments. The payment to the contractor can be done only on availability of funds for that work from client department and in case of delay in getting funds from Ministry / Client Department, CPWD will not be responsible for delay in payment and no any extra compensation on this account shall be granted apart from specified elsewhere in this document. The contractor has to quote his tender accordingly considering this aspect.

Executive Engineer (E)
ICED, CPWD, Indore- (MP)

PRESCRIBED FORMAT for EMD Deposition

<u>RECEIPT OF DEPOSITION OF ORIGINAL EMD</u>		
(Receipt No...../Date.....)		
1.	Name of work:-	SITC of Separate CCTV Surveillance system at CDSCO's Sub- Zonal office, Indore (M.P.)
2.	NIT No. :-	31/EE(E)/ICED/2026-27
3.	Estimated Composite Cost:-	Rs. 5,37,924/-
4.	Amount of Earnest Money Deposit:-	Rs. 10,758/-
5.	Last date of submission of bid:-	14 /08/2026 at 3:00 P.M.
6.	Name of Contractor:-#	
7.	Form of EMD:-#	
8.	Amount of earnest Money Deposit:-#	
9.	Date of submission of EMD:-#	

Signature, Name and Designation of EMD received office

Alongwith Office Stamp.

(#To be filled by EMD Receiving EE/DDH)

CPWD - 7

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
PERCENTAGE RATE TENDER & CONTRACT FOR WORKS**

Tender for the work of: - SITC of Separate CCTV Surveillance system at
CDSCO's Sub- Zonal office, Indore (M.P.)

- (i) To be uploaded by 15:00 hours on 14 / 08/2026 at web site: <https://etender.cpwd.gov.in>
(ii) To be opened in presence of tenderers who may be present at 15:30 P.M. on 14/ 08/2026 in the office of Executive Engineer, (E) Indore Central Electrical Division, CPWD, Indore.

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.

I/We agree to keep the tender open for **30(Thirty) days** from the due date of its opening and not to make any modification in its terms and conditions.

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

A copy of earnest money 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 guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 & 12.3 of the tender form.

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

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

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

Dated

Signature of Contractor

Witness:

Postal Address

Address: Occupation:

.....* to be filled in by contractor

ACCEPTANCE

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

Rs.....** (Rupees.....** ..).

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

- a) }
b) }
c) } ** ..

For & on behalf of the President of India

Signature.....** ..

Dated **

Designation: Executive Engineer (E)
ICED, CPWD, Indore

(** to be filled by EE)

PROFORMA OF SCHEDULES

Name of work : SITC of Separate CCTV Surveillance system at CDSCO's Sub- Zonal office, Indore (M.P.)

SCHEDULE 'A'

Schedule of quantities

(Schedule of Work:- 22-29)

SCHEDULE 'D'

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

As attached in tender form

SCHEDULE 'E'

Reference to General Conditions of contract: General conditions of contract for Construction works 2023 as amended upto previous day of submission of tender

Name of work : - SITC of Separate CCTV Surveillance system at CDSCO's Sub-Zonal office, Indore (M.P.)	
Estimated composite cost :	Rs. 5,37,924/-
Earnest money	Rs. 10,758/-
Performance Guarantee	(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount. As per OM No. DG/CON/ Construction 2023 /20 dated 27/02/2026.
Security Deposit	2.5% of the tendered value of the work

SCHEDULE 'F' GENERAL RULES & DIRECTIONS:

Officer inviting tender	Executive Engineer, (E), ICED, CPWD Indore
Maximum percentage of quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2, 12.3& 12.5	NA

Definitions:

2(v)Engineer-in-Charge

For Elect. items of work	Executive Engineer, (E), ICED, CPWD Indore or his successor
2(vii) Accepting Authority	Executive Engineer, (E), ICED, CPWD Indore or his successor
2(x) Percentage on cost of materials and labour to cover all overheads and profits	15% (Fifteen percentage)

2(xi) **Standard Schedule of Rates:**

For Elect. items of work	Delhi Schedule of rate 2025 (Elect.) with correction slips upto the previous day of submission of bid & Market Rate for non DSR items.
--------------------------	--

2(xii) Department Central Public Works Department

2(ii) Standard CPWD contract Form: General conditions of contract for Construction works 2023 & CPWD form-7 as amended upto the previous day of submission of bid.

Clause 1	1. Time allowed for submission of Performance Guarantee, Program chart (Time and Progress) and applicable labour licenses /registration, registration with EPFO, ESIC & BOCW welfare Board including Provident Fund Code No., if applicable or proof of applying thereof from the date of issue of letter of acceptance. 2. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above	7 Days 3 Days
Clause 2	Authority for fixing Compensation under Clause 2	SE-Indore, CPWD, Indore or his successor
Clause 5	Number of days from the date of issue of letter of acceptance for reckoning date of start.	2 Days
Time allowed for execution of work		2..... Months.

Table of Mile stone(s)			
Sl. No	Description of Mile stone	Time allowed from date of start (Month)	Amount to be withheld in case of non achievement of milestone
	NIL		

NOTE: Withheld amount shall be released if and when subsequent milestone is achieved within respective time specified. However, in case milestones are not achieved by the bidder for the work, the amount shown against milestone shall be withheld.

Time allowed for execution of work	2 Months.		
Authority to decide (i) Extension of time	Executive Engineer, (E), ICED, CPWD, Indore		
(ii) Rescheduling of mile stone	SE(Indore), CPWD, Indore or his successor		
(iii) Shifting of date of start in case of delay in handing over of site	SE(Indore), CPWD, Indore or his successor		
Schedule of Handing over the site			
Part	Portion of Site	Description	Time period for handing over reckoned from date of issue of letter of intent
	Portion without any hindrance	-	Full site for the work is available.
	Portion with encumbrances	-	

Clause 6	Whether clause 6 shall be applicable	Yes-EMB
Clause 7	Gross work to be done together with net payment/Adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	Rs 2 lakh
Clause 7A	Whether clause 7A shall be applicable	Yes

CLAUSE 10A

NA

Clause 10B(ii)	Whether clause 10B(ii) shall be applicable	No
Clause 10C	Component of labour expressed as percentage of value of work	NA

Clause 10 CA/CC:	NOT APPLICABLE
Clause 11	Specification to be followed for execution of work:
For Elect. items of work	CPWD General Specification for Electrical Works Part I Internal – 2023, CPWD General Specification for Electrical Works Part II External – 2023 as amended upto date of receipt tender. Suppliers/manufacturers Specifications for Non DSR items.

Clause 12

12.2	Deviation limit beyond which Clauses 12.2 shall apply for building work	No Limit.
-------------	---	------------------

Clause 16

Competent Authority for Deciding reduced rates	SE Indore, CPWD, Indore or his successor
---	---

Clause 18		
List of machinery, tools & plants which may require to be deployed by the contractor at site.		
18	Any equipments required for testing and commissioning of work	As decided by the Engineer-in-charge
Note: Requirement of above T&P is tentative which may be changed by Engineer-in-charge as per requirement of work & site.		

Clause 19C - Executive Engineer,, CPWD, Indore

Clause 19D Executive Engineer,, CPWD, Indore

Clause 19G Executive Engineer,, CPWD, Indore

Clause 19K Executive Engineer,, CPWD, Indore

Clause 25

Designation	
Conciliator	ADG (Bhopal), CPWD, Bhopal
Arbitrator Appointing Authority	SE-Indore, CPWD, Indore or his successor
Place of Arbitration	Indore (M.P.)

Clause 32

Requirement of Technical Representative(s) and recovery Rate

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

TERMS AND CONDITIONS:-

NAME OF WORK:- SITC of Separate CCTV Surveillance System at CDSCO's Sub-zonal office Indore (M.P.)

Scope of work: The scope of work covered by this contract is an integral part of schedule and include the following.

Note :- The firms are advised to quote strictly as per the items, make and terms and conditions of NIT. Any deviation from the same shall not be acceptable and firms tender will be rejected. The decisions of department is in this regard shall be final and binding to all firms.

1. The above work shall be executed at CPWD, Indore.
2. The work has to be completed in a time bound manner in co-ordination with civil contractor. The contractor shall have to execute the work in office working time and also beyond office working time/ holidays/ Sundays. The contractor shall make necessary arrangement for this. No extra cost shall be paid for above by the department.
3. All the works covered by this contract shall be carried out strictly in accordance with the CPWD General specification for Internal electrical works (Part-I 2023), External electrical works (Part-II 2023), Fire Detection and Alarm system (Part-VI 2018) as applicable in the above job.
4. All materials and equipment's supplied by the contractor shall be new and of approved Make. They shall be of such design, size and material so as to satisfactorily function under the rated conditions of operation & to withstand the environmental conditions at site.
5. The contractor shall coordinate with all other agencies involved in the construction work of building so that the building work is not hampered due to delay in his work. Recessed conduit and other work which directly affect the progress of building work should be given priority.
6. 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.
7. Bad workmanship is liable to be rejected. The contractor shall be required to re-do the rejected work at his own cost. No extra amount shall be paid on account of the same.
8. The work is to be carried out in good-workman like manner & generally in accordance with the plans. However, the contractor will be bound to carry out the work with minor deviations over the plans supplied if desired by the Engineer-in-Charge of the works.
9. The Contractor has to make his own arrangement for the storage of the material at site & for 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 required.
10. All the items to be used in the work should be of good quality & will be got approved from the Engineer-in-Charge before usage in work. The sample of the items shall have to be submitted in advance for the purpose.
11. Electricity shall be arranged by the contractor for final testing and commissioning of the building. However, during execution the firm shall make their own arrangements for water and electricity.

12. No T & P shall be provided.

13. All metal boxes housing control switches, regulators and plug sockets shall be suitably earthed and no extra amount is payable on this account for loop earthing switch boxes of same distribution circuits.

14. General arrangement drawing of the switch board shall be got approved from the Engineer-in-Charge before commencement of manufacturing.

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

16. The Contractor has to make his own arrangement for the safety of his workman. Department shall not be responsible in case of any accident takes place.

17. The rates should be inclusive of all taxes & duties. Nothing extra will be paid on this account.

18. On completion of the work the contractor has to supply completion plans drawn to a suitable scale in tracing with in kind three blueprint copies of the same to the Junior Engineer (E) for submitting the final bill.

List of Acceptable Makes

Sl.	Details of Materials/Equipment	Manufacturer's Name
1	HFFR PVC insulated copper conductor stranded flexible wire (pre twisted)	Finolex/Polycab/KEI/Havells/RR Kabel
2	MCB and MCBDB, Isolator, Industrial Plug Socket, RCCB, RCBO's (ISI Marked/IEC & Loose Wire Box	Schneider Electric ACTI-9(N)/ Legrand (Ekinox)/ Hager (Novallo)/L&T (Exora)/Seimens (Betaguard)/ABB (Itus)
3	MS Conduit (ISI marked) with heavy duty MS conduit pipe accessories	BEC/NIC/AKG/RMCON (Note: The make of accessories shall be same that of conduit pipe and will comply to IS/4768 part 2 2003)
4	PVC conduit (ISI marked) with heavy duty PVC conduit pipe accessories	AKG/Pressfit/BEC/Precision/Polycab
5	Modular 6/16 Amp. Switch, Socket, Blanking Plate, Front Plates, Telephone T.V. Outlets Socket, Fan Regulator & other modular accessories.	LEGRAND (Myrius), Havells (Murano), Scheinder (Zencelo), Honeywell (ORNA)/Wipro (Artisa)
5	Cable Trays	Obobetterman/Apex/Indiana/legrand/RMCon/BEC
6	Shaver Socket/USB Socket/Fan regulator/GI boxes etc. (Wiring accessories)/ regulators etc.	LEGRAND (Arteor), Havells (Murano), Scheinder (Zencelo), Honeywell (ORNA)/Wipro (Artisa)
7	OPTICAL FIBER CABLE	Belden/CommScope/Siemon/Delton/panduit
8	LIU	Belden/CommScope/Siemon/Delton/panduit
9	Cat6/CAT6A UTP Cable	Belden/CommScope/Siemon/Panduit/R&M
10	Cat6A Information Outlet (I/O)	Belden/CommScope/Siemon/Delton/panduit
11	Patch Cord	Belden/CommScope/Siemon/Panduit/R&M
12	Face Plate	Belden/CommScope/Siemon/Panduit/R&M
13	L2 Switch/L3 Switch/Industrial Grade Switch	For CCTV: -Cisco/HP/Extreme/Arista/Juniper.
14	Outdoor Enclosure/network rack	Rittal/APW/Legrand/Netrack/Vertive/Tata
15	UPS	APC/Eaton/Numeric/Socomec
16	Cable	Havells/KEI/Finolex/Grandlay/AKG (All with ISI mark)
17	NVR	Tyco/Bosch/Pelco/Matrix
18	Dome camera	Tyco/Bosch/Pelco/Matrix / CP Plus with STQC certificate as applicable
19	Bullet camera	Tyco/Bosch/Pelco/Matrix / CP Plus with STQC certificate as applicable
20	LED light fixture/LED Post Top Lantern Fitting	Phillips /Trilux/Wipro/Bajaj/Havells (Luminary manufacturing company should have owned testing facilities Or in-house.)
21	HDMI & USB Cable	Kramer/KLOTZ/Belden/Plutron
22	Audio Rack	Economic/Dynamic/Legrand/BCH
23	Hard Disk	WD/Seagate/Toshiba/HP
24	LED Display	SONY/Panasonic/LG/Samsung

All makes for which approved has been issued by regional office till last date of submission of tenders are also deemed to be approved .

Executive Engineer (E)
C.P.W.D., Indore

Schedule of work

Name of work:- SITC of Separate CCTV Surveillance System at CDSCO's Sub-zonal office
Indore (M.P.)

S.No.	Description	Qty	Unit	Rate	Amount	Remark
1.	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.					1.21
1.1	20 mm	200	Meter	151.00	30200.00	1.21.1
1.2	25 mm	100	Meter	168.00	16800.00	1.21.2
1.3	32 mm	60	Meter	209.00	12540.00	1.21.3
2	Supplying, Installation, Testing and commissioning of following CAT6 Patch Cord should have ETL/UL verification program certificate for compliance with ANSI/TIA-568.2-D					39.12
2.1	Copper Patch Cords of length 3m (10ft)	24	Each	227.00	5448.00	39.12.2
3	Supplying, Installation, Testing and commissioning of RJ45 Connector for CAT 6/6A Cables. RJ45 modular plug supports 4twisted pairs, 8 positions, 8 connectors. Housing: PC, UL94V-2, transparent color. Use for 24- 26 AWG stranded wires.	48	Each	9.00	432.00	39.16
4	Supplying, drawing, Installation, Testing and commissioning of CAT6 UTP LSZH 23AWG Twisted Pair Cable in existing conduit/ on surface, Category 6 Unshielded Twisted Pair, 4 pair should be complied as per UL/ETL verification program for compliance with ANSI/TIA-568.2-D standard. Outer diameter should be in the range of 6.1mm nominal with Operating Temperature Range : -5° to +60°C. Bending Radius: < 4 X Cable Diameter at -5°C ± 1°C and Pulling Force : 11.5 Kg					39.17
4.1	1 Run of cable	200	Meter	60.00	12000.00	39.17.1
4.2	2 Run of cable	100	Meter	96.00	9600.00	39.17.2
4.3	3 Run of cable	60	Meter	131.00	7860.00	39.17.3
5	Supply, Installation, Testing & Commissioning of manageable Giga bit Ethernet Switch – 1 G - 8 ports Enclosure type Rack mountable-1U Ports 8 Port Switch with 10/100/1000Mbps and 2 GE etc. complete as required.	3	Each	10401.00	31203.00	MR

6	Supply 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.					
6.1	2U Rack	3	Each	4283.00	12849.00	MR
6.2	6U Rack	1	Each	6939.00	6939.00	39.23.1
7	Supply Installation Testing and Commissioning of 2 MP 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, H.264H, H.264, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723					
	9) On board 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; audio 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.					
7	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 VAC/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					40.1
7.1	2MP (@ 25/30fps@1080P (1920×1080)) IP IR Dome Camera with 2.8/ 3.6mm fixed lens	19	Each	8048.00	152912.00	40.1.1
8	Supplying Installation Testing and Commissioning of 5/6 MP IP IR Bullet Camera having following specifications and features etc 1) Type of Camera: Bullet Camera 2) Image Sensor: 1/2.8" or better progressive Scan CMOS get color image even at night condition 3) Signal System: PAL/NTSC 4) Minimum Illumination: 0.006Lux@ F1.4, AGC ON, 0 lux with IR or better 5) Imaging: 1/3s to 1/30000s, Auto Gain Control, White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking. 6) On Screen Display: Camera should display Camera title, Date & Time in live & recorded video both. 7) Signal to Noise Ratio: > 50 dB 8) Lens Type & Focus: 3.6mm/6mm fixed lens (optional as per site requirement)					
	9) Day & Night: True Day & Night High					

	Performance Mechanical IR cut filter with auto switch, IR Source- Inbuilt IR LED's with effective distance upto 50 Mtrs integrated IR and 30 Mtrs for colour view in night. 10) Video Compression (Minimum): H.265 or better, H.265, H.264H, H.264, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723 11) Wide Dynamic Range: WDR (120db or more) 12) Digital Noise Reduction: DNR (2D/3D) On/Off 13) Streaming: Triple streaming, configurable 14) Video Streaming & Frame Rates: Triple streaming, configurable Main stream: 5/6MP @25/30 fps, Sub streams: D1@25/30 fps or better 15) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser 16) Profile Management: User configuration import, export 17) Security: User Authentication, Digital Water Marking 18) On board Storage: Camera should support built-in Micro SD/SDHC/SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card.					
	19) Recording Management: Format SD, overwrite, storage management, video to NAS device, 20) Edge Analytics: Tripwire, Intrusion, Motion Detection 21) Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection 22) Alarm Support: It should have 1/1 Alarm In/ Out Port 23) Audio Support: It should have 1x Built-In Mic and 1/1 Audio In/ Out Port for external Mic. and Speaker (As per site requirement) with G.711U/A / G.711Mu/ AAC/ G.726 audio compression 24) Network Protocol: SFTP, IPv6, IPv4, DNS,RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,					
	25) System Capability: ONVIF 26) VMS: Camera shall support open source VMS 27) Cyber Security: trusted boot, AES 256-bit					40.6

	Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, , video encryption, IP/MAC filtering, HTTPS, trusted upgrade. 28) Ethernet: 1 RJ 45 10/100 Ethernet port 29) Power Input: The camera should support simultaneous dual power input - 12 VDC (via power adapter) and PoE - to ensure continuous operation in the event of a failure in one power source. 30) Power Requirement: 12VDC/24 VAC/PoE (802.3af)/ePoE 31) Enclosure: IP67 weather proof, IK10 32) Operating Condition: Ambient Temperature:- (-)05°C to 50°C, humidity 95% (max) (non-condensing) 33) IR life: 40000 hours or higher 34) Video Bit rate: 32 KBPS - 8 MBPS or better 35) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS					
8.1	5/6MP ((3200 × 1800)@20 fps or better) IP IR 2.8/ 3.6/6/8/12 mm fixed lens (as per site requirement) outdoor bullet Camera	5	Each	12525.00	62625.00	40.6.1
9	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. 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 20TB capacity/ Slot and RAID support of RAID 0/1/5/6/10.					
	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 Nos 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, tempering, 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 21.12 (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.					
	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. 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.					40.11
	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 behaviour of fan, cybersecurity exception 30) Alarm Notification should be linked with Recording, snapshots, Camera external alarm					

	output, buzzer, logs, pre-sets 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. 32) Smart playback function: Should support smart search for the selected area in the video and smart playback to improve the playback efficiency 34) VCA (Video Content Analytic): Should support multiple video contented analytics based on camera analytics 35) Analytics by NVR: Perimeter protection and face recognition					
9.1	32 Channel Network Video Recorder (NVR) having display split :- Main screen: 1/4/8/9/16/25/ 32 (36), 2nd screen: 1/4/8/9/16	1	Each	64784.00	64784.00	40.11.1
10	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					40.12
10.1	8 TB (Terabytes)	1	Each	20119.00	20119.00	40.12.3
11	LED Display- Supplying, Installation, Testing and Commissioning of following size LED display (LED monitor) industrial grade with 3840x2160 resolution or better, USB playback, Bluetooth and miracast connectivity, 4X HDMI 2.0, DP 1.2, HDR 10/10+, brightness: 500-nits or better, Video wall mode should be available, contrast ratio: 1200:1, OPS slot, viewing angle (H/V): 170°/ 170°, response time less than 12ms, Display control shall be on monitor screen and programmable with remote (remote shall be supplied with system), Key Board, Optical Mouse, etc.as required.					42.4
11.1	55 inch or larger	1	Each	82057.0.0	82057.00	40.12.3
12	SITC of 4K HDMI cable having High Quality 24K gold-plated connector, Max. Data Rate — 18Gbps. & Max. Resolution — 4K@60Hz (4:4:4) and Supports 24-bit, 30-bit, 36-bit and 48-bit (RGB or YCbCr) color depths etc as required (15 mtr Length)	1	Each	5140.00	5140.00	MR
13	SITC of Camera fitting box having Material-PP and minimum size 100x100x50 mm & etc as required	1	Each	184.00	4416.00	MR
	Total				537924.00	

Executive Engineer (E)
ICED, CPWD, Indore