



अखिल भारतीय आयुर्विज्ञान संस्थान,

All India Institute of Medical Sciences

Engineering Branch, Bhubaneswar (Odisha)-751019

www.aiimsbhubaneswar.nic.in

NOTICE INVITING e-TENDER

N.I.T. No.	AIIMS/BBSR/ENGG/ELECT/16/2026
Name Of Work:	Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.
Estimated Cost:	₹ 28,97,856.00 (including GST) (**Rupees Twenty-Eight Lakh Ninety-Seven Thousand Eight Hundred Fifty-six Only.**)
Earnest Money:	@ 2% of Estimated Cost /-
Security Deposit:	@ 2.5% of Contract Value
Performance Bank Guarantee:	@ 5% of Contract Value
Completion Period	60 days
Tender issue date:	27/05/2026
Last Date & Time of Submission of Tender:	11/06/2026 by 16:00 Hours

“Certified that, this tender document contains **77** pages only”.

**Executive Engineer (Elect.)
AIIMS, Bhubaneswar**

Government of India, Ministry of Health & Family Welfare, AIIMS, Bhubaneswar

Name of Work	:	Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.	
NIT No.	:	AIIMS/BBSR/ENGG/ELECT/16/2026	
<u>INDEX</u>			
Sl. No.	Subject		Page No.
1.	Subject & Index		- 1 – 2
2.	Notice Inviting e-Tender / Notice Inviting Tender		- 3
3.	Information & Instructions to Bidders for Tendering		- 4 -6
4.	General Rules & Directions of Contract		- 7 - 10
5.	Declaration to be given by tenderers (Annexure – I)		- 11
6.	Information Regarding Eligibility Letter of Transmittal (Annexure-II)		- 12
7.	Form for Financial Information		- 13 – 18
8.	Manufacturers' Authorization Form (Appendix- A)		- 19
9.	Bidders Undertaking (Annexure – III)		- 20- 21
10.	General Conditions for Contract (Annexure – IV)		- 22 - 27
11.	Scope Of Work (SOW)		- 28- 30
12.	Technical Bid (Eligibility Criteria) (Annexure – V)		- 31
13.	Affidavit (Annexure – VI)		- 32
14.	Form for Performance Security (Bank Guarantee) (Annexure – VII)		- 33
15.	Format for Agreement (Annexure – VIII)		- 34-39
16.	Performa of Schedules (Annexure – IX)		- 40 - 42
17.	Technical Specification Compliance Sheet (Annexure – X)		- 43- 65
18.	Preferred Make list of Materials (Annexure – XI)		- 66-68
19.	Financial Bid (Schedule of Quantities) (Annexure – XII)		- 69 - 74
19.	e-Tendering Instruction to the Bidder (Annexure – XIII)		- 75 - 77

I

NOTICE INVITING e-TENDER

The **Executive Engineer, (Electrical), AIIMS, Bhubaneswar (Phone: 0674 – 2476083, [email-eeel@aiimsbhubaneswar.edu.in](mailto:eeel@aiimsbhubaneswar.edu.in))** on behalf of Executive Director, AIIMS, Bhubaneswar invites online Percentage rate tender in Two (02) Bid system (Technical & Financial respectively) from reputed contractor having successfully completed works of similar nature as per eligibility criteria for the following work:-.

Name of Work	Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.
Tender No.	AIIMS/BBSR/ENGG/ELECT/16/2026
Completion period	60 days
Estimated Cost	₹ 28,97,856.00 (including GST) Rupees Twenty-Eight Lakh Ninety-Seven Thousand Eight Hundred Fifty-six Only
Earnest Money Deposit(EMD)	2 % of Estimated Cost
Last Date, Time & Place of Submission	By 11/06/2026 at 16:00 Hours through online in www.eprocure.gov.in
Date, Time for opening of Tender	On 12/06/2026 at 16:30 Hours.

The bid document consisting of NIT, 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 <https://eprocure.gov.in/eprocure/app> or www.aiimsbhubaneswar.nic.in free of cost.

The indenting Bidder must read the Terms & Conditions of AIIMS, Bhubaneswar carefully. He/They should only submit his/her/their bid if he/she/they consider himself/themselves eligible and he/she/they is/are in possession of all the documents required.

For e-Tendering of this Tender, kindly visit website <https://eprocure.gov.in/eprocure/app>.

E-Tendering Portal: <https://eprocure.gov.in/eprocure/app>

For E-tendering Queries contact CPPP Help Desk.

The intending bidders must have valid class-III digital signature to submit the bid.

Further modification of change of dates, if any, can be seen in the above stated tender web site.

**Executive Engineer (Elect.)
AIIMS, Bhubaneswar**

INFORMATION AND INSTRUCTIONS FOR BIDDERS**(APPLICATION FOR INVITING BIDS ON TWO BID SYSTEMS)**

The Executive Engineer (Elect.), AIIMS, Bhubaneswar, (Phone - 0674 2476083, Email - eeel@aiimsbhubaneswar.edu.in) invites on behalf of Executive Director, AIIMS, Bhubaneswar, Percentage Rate Tender from reputed Specialized Agency in **Two (02) Bid system** (Technical cum Eligibility & Financial respectively) having successfully completed works of similar nature as per eligibility criteria for the following work:

Ser. No.	Description	Details
(a)	NIT No.	AIIMS/BBSR/ENGG/ELECT/16/2026
(b)	Name of Work:	Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.
(c)	Estimated Cost	₹ 28,97,856.00 (including GST) Rupees Twenty-Eight Lakh Ninety-Seven Thousand Eight Hundred Fifty-six Only
(d)	Earnest Money	2 % of Estimated Cost.
(e)	Completion period	60 days
(f)	Last date and time of online submission of tender	By 11/06/2026 at 16:00 Hours through online in www.eprocure.gov.in
(g)	Time and date of on line opening of Tender (Technical Bid)	On 12/06/2026 at 16:30 Hours.
(h)	Time and date of opening of Online Financial Bids	Will be informed to the Technically qualified Bidders.
(i)	Mode of submission of Tender	Online. (CPP Portal)

1. **Eligibility Criteria:** Contractor /Agency who fulfilled the following requirement shall be eligible to apply. Joint venture in not accepted.
 - a) The bidder should have satisfactorily completed the works as mentioned below during the last seven years ending the previous day of the last date of submission of the bid.
 - i. **one (01) similar work each costing not less than Rs. 23,18,266.00/-**
OR
 - ii. **Two (02) similar works each costing not less than Rs. 17,38,699.00/-**
OR
 - iii. **Three (03) similar works each costing not less than Rs. 11,59,133.00/-**
 - **Similar work shall mean: “ Supply, installation, testing, and commissioning of IP-Based RFID / ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System /CCTV work / IT infrastructure work /Automation work for any government (Central or State)/Autonomus/PSU organization.”**
2. The Bidder should have registration up to date with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation**.
3. Agreements shall be drawn with the successful bidders for item/items in the prescribed format. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
4. The bid document consists of a survey report, layout diagram, specifications, the schedule of quantities of the various type of items to be executed and the set of terms & conditions of the contract to be complied with, and other necessary documents.
5. Submission/Upload of OEM authorization certificate (Appendix- A) is mandatory for L1 bidder after opening of financial bid.
6. Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
7. Average annual financial, the turnover during the last three years, ending **31st March 2025** should be more than 50% of the estimated cost. (Balance sheet of last 3 years need to submit)
8. The intending bidder must read the terms and conditions of the Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates/documents required.
9. Information and Instructions for bidders for e-tendering posted on the website shall form part of the bid document.
10. the bid document consisting of NIT, 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 <https://eprocure.gov.in> or www.aiimsbhubaneswar.edu.in free of cost.
11. Copies of eligibility documents and EMD as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format, and any other format as permissible by the e-tendering portal.
12. Bidders must ensure to quote percentage above or below or as per against BOQ price. The column meant for quoting rate in figures appears in sky blue color. 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, the rate of such item shall be treated as "0" (ZERO). After submission of the bid online, the Agency can re-submit the revised bid any number of times but before the last time and date of submission of the bid as notified.

13. After the submission of the bid online, it can be revised any number of times before the specified time on the last date of submission of the bid. While submitting the revised bid, the bidder can revise the rate of one or more item(s) any number of times (he need not re-enter the rate of all the items) but before the last time and date of submission of the bid as notified.
14. Financial bids shall be opened online only for eligible bidders those are qualified in technical evaluation.
15. If the Agency is found ineligible after the opening of bids, his bid shall become invalid.
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified agencies to any number deemed suitable by it if too many bids are received satisfying the laid down criterion.

**Executive Engineer (Elect.)
AIIMS, Bhubaneswar**

GENERAL RULES & DIRECTIONS OF CONTRACT

The Executive Engineer (Elect.), AIIMS, Bhubaneswar, (Phone - 0674 2476083, Email - eeel@aiimsbhubaneswar.edu.in) invites on behalf of Executive Director, AIIMS, Bhubaneswar, Percentage Rate Tender from reputed Specialized Agency in **Two (02) Bid system**(Technical cum Eligibility & Financial respectively) having successfully completed works of similar nature as per eligibility criteria for the following work:

Name of Work: *Tender for “Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”.*

1. **Preparation & Submission of Tender through Online.** *The Tender should be submitted in 02 (Two) parts i.e. Technical Bid and Financial Bid Respectively. The Bid shall be submitted by the Bidder through online for “Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”.*
2. *The Bidders shall have to submit original documents for Original Earnest Money Deposit and self-certified copies of affidavits and annexures before the date and time of opening of tender at Executive Engineer Electrical office 3rd floor Academic Block AIIMS Bhubaneswar failing which the bid will be summarily rejected.*
3. **List of Documents to be scanned and uploaded within the period of bid submission.**
 - (a) Earnest Money Deposit in Favour of “All India Institute of Medical Sciences, Bhubaneswar”.
 - (b) FROM ‘A to E’ duly filled in and signed with the stamp.
 - (c) The bidder shall submit a Completion Certificate for similar works, along with the corresponding Work Order and detailed Bill of Quantities (BOQ), issued by a government organization. These documents must be signed by an official not below the rank of Executive Engineer or an equivalent authority.
 - (d) Certificate of Registration for GST.
 - (e) Copy of PAN card.
 - (f) Copies of ESI Registration .
 - (g) Copies of EPF Registration .
 - (h) The Bidder should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given to EE(Elect). Otherwise Undertaking for opening of office at Bhubaneswar need to submit.
 - (i) Declarations to be given by the Tenders.
 - (j) **Certificate of financial statements (Annual turn over of last 3 years duly certified from CA:** At the time of submission of bid, bidder may upload affidavit/ certificate from CA mentioning finance turn over for the period specified in the bid document. Further details if required may be asked to the contractor after opening of technical bid. There is no need to upload entire voluminous balance sheet.
 - (k) Each page of the e-tender documents should be duly signed with a seal otherwise; the bid shall become invalid.
 - (l) Affidavit as per **Annexur-VI**.
 - (m) Technical Specification Compliance Sheet.
4. **The bid submitted become invalid, if any discrepancy/shortfall is noticed between the eligibility documents (as per Sl. No 03 para ‘a’ to ‘m’) as uploaded at the time of submission of the bid.**
5. The intending bidder must read the terms and conditions of **CPWD -8** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
6. **Earnest Money Deposit:** The bidder shall be required to submit the Earnest Money Deposit in the form of a Fixed Deposit Receipt or Demand Draft or BG from any Nationalized/Schedule Bank duly pledged in the name of the "All India Institute of Medical Sciences, Bhubaneswar". Documents

received without submitting EMD will be rejected. **EMD exemption is not allowed in this tender.**

7. Performance Guarantee/ security deposit:

- (a) The successful Agency will be required to furnish a Performance guarantee 5% of contract value in the form of a Fixed Deposit Receipt or Bank Guarantee from any Nationalized/Schedule Bank duly pledged in the name of the "**All India Institute of Medical Sciences, Bhubaneswar**" which shall be kept valid for a period of 180 days beyond completion of all the contractual obligations as per GCC of CPWD. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
- (b) **The security deposit/Performance deposit:** can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of the contract or for unsatisfactory performance or non-observance of any condition of the contract. Performance Security will be discharged after completion of the Agency's performance obligations (including the Warranty/Guarantee period) under the contract. In case the Agency fails to deposit the said performance guarantee within the period including the extended period if any, the Earnest Money deposited by the Agency shall be forfeited automatically without any notice to the Agency. The earnest money deposited along with the tender shall be returned after receiving the aforesaid performance guarantee.
8. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies, and other circumstances which may influence or affect their bid. A bidder 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 their 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 the conditions.
9. The Tender paper/documents can be seen/downloaded from the Official website & submitted through online. No need to send hard copy of tender documents. However, after award of contract, L1 bidder must submit hard copies of all uploaded documents to the office of the tender inviting officer within the prescribed time. If any discrepancy found in uploaded document and hard copies, then his bid will be rejected. For any query, Executive Engineer, Electrical, Phone: 0674 – 2476083 AIIMS, Bhubaneswar, may be contacted.
10. The Executive Director, AIIMS, Bhubaneswar 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 conditions is not fulfilled or any condition including that of the conditional rebate is put forth by the bidder shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the agency who resort to canvassing will be liable to rejection.
12. The Executive Director, AIIMS, Bhubaneswar reserves to himself the right of accepting the whole or any part of the bid, and the bidder shall be bound to perform the same at the rate quoted.
13. The Agency shall not be permitted to bid for works in the AIIMS, Bhubaneswar responsible for award and execution of contracts, in which his near relative is posted 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 AIIMS, Bhubaneswar. Any breach of this condition by the Agency would render him liable to be removed from the approved list of Agency of this Department.

14. 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 Agency 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 canceled if either the Agency or any of his employees is found at 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 Agency's service.
15. **The bid for the works shall remain open for acceptance for a period of 180 days from the date of the opening of bids.**
16. This notice inviting bid shall form a part of the contract document. The successful bidder/ Agency, 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 "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 rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
17.
 - (a) **The quoted Rates shall be inclusive of GST.**
 - (b) **Security Deposit equal to 2.5% of the Contract Value will be deducted from the RA Bills of the Agency.**
 - (c) **The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.**
 - (d) **1% labour cess will be deducted from bills.**
18. **Goods and Services Tax (GST).**
 - (a) **GENERAL REMARKS ON TAXES & DUTIES:** In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been subsumed in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.
 - (b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.
 - (c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (hereinafter referred to as "UTGST").
 - (d) Quoted price/rate(s) should be inclusive of all taxes and duties, **including** GST (i.e. IGST or CGST and SGST /UTGST applicable in case of interstate supply or intra-state supply respectively and cess on GST if applicable) on the final service. However, the GST rate (including cess) to be provided in the respective places in the price Bid. please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the supplier of Goods/services (service provider) only. Supplier of Goods/Service (Service provider) providing taxable service shall issue an invoice/Bill, as the case may be as per rules/regulations of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by the supplier of Goods /services (Service provider) with the requisite details.

- (e) The Agency(s) must be submitted GST Challan copy in original duly signed with a stamp of the firm, against this work before releasing Security Deposit (SD) money.

19. FRAUD AND CORRUPTION:

- 19.1 The Engineer-in-Charge will reject a proposal for an award if he determines that the bidder recommended for award has been engaged in corrupt or fraudulent practices in competing for the contract in question. He will report to the Officer Inviting Bid / next higher authority.
- 19.2 Canvassing, whether directly or indirectly, in connection with tenders is strictly prohibited & the tenders submitted by the agency who resorts to canvassing will be liable for rejection.
- 19.3 The Agency shall be debarred for **one year from tendering in AIIMS, Bhubaneswar.**
- (i) If the Agency submits false experience/completion certificates, **as mentioned in Sl. No. - 1 Page No. - 5 (refer under Eligibility Criteria).** The department reserves the right to verify the particulars furnished by the applicant independently.
- (ii) If the Agency fails to commence the work on or before the scheduled date stated in the work order.
- (iii) Violates any important condition of the contract.
- 20. The OEM authorization certificate (Appendix- A) will be submitted by L1 bidder within 7 days after opening of financial bid. Otherwise the bid will be cancelled. Obtaining the OEM Manufacturers' Authorization certificate is sole responsible of the bidder.**
21. Information & Instruction for Agency will form Part of NIT.

**Executive Engineer (Elect.)
AIIMS Bhubaneswar**

Annexure – I

DECLARATIONS TO BE GIVEN BY THE TENDERERS

It is to certify that: -

- (a) I /We have gone through CPWD W-8 amended up to correction Slip No.6 as available on the website www.eprocure.gov.in / www.aiimsbhubaneswar.edu.in or in the office of Superintendent Engineer and I/We agree with the terms and conditions of it and understood that it will form part of the agreement.

Date: _____

Signature of the Tenderer

- (b) “I, S/o Shri resident of hereby certify that none of my Relative(s) as defined in Paragraph 14 of CPWD W-6 is/are employed in AIIMS Electrical Zone, Odisha. In case at any stage, it is found that the information given by me is false/incorrect, AIIMS shall have the absolute right to take any action as deemed fit without any prior intimation to me”.

Date: _____

Signature of the Tenderer

NOTE: - (To be certified by all the partners in case of partnership firms, by all the Directors in case of companies).

- (c) “I/We undertake and confirm that eligible similar Work(s) has/have not been got executed through another Agency on back-to-back basis. Further, it is stated that, if such a violation comes to the notice of the Department, then I/We shall be debarred for bidding in AIIMS in the future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before the date of start of work, the Superintending Engineer shall be free to forfeit the entire amount of Performance Guarantee”.

Date: _____

Signature of the Tenderer

Annexure – II

INFORMATION REGARDING ELIGIBILITY LETTER OF TRANSMITTAL

From :

To

**The Executive Engineer Electrical
AIIMS Bhubaneswar
Sijua Patrapada 751019**

Subject: Submission of Bids for the Work of “**Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.**”.

Sir;

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

1. I/We hereby certify that all the statements made, and information supplied in the enclosed forms A to E and accompanying statement are true and correct.
2. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/We submit the following certificates in support of our suitability, technical knowledge, and capability for having successfully completed the following eligible similar works :
- 4.

<u>Name of the Work</u>	<u>Certificate from</u>
<u>1.</u>	

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

Enclosures:

Seal of Bidder:

Date of Submission:

Signature(s) of Bidder(s):

FINANCIAL INFORMATION (FORM 'A')

I. Financial Analysis –

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

Financial Years	2022-23	2023-24	2024-25
Gross Annual Turn over			

- Gross Annual Turn Over on construction works.
- Profit/Loss.

II. Financial arrangements for carrying out the proposed work.

FORM 'B'

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

Serial No.	Name of the Work/Project and Location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/arbitration cases pending/in progress with details*	Name and address/telephone No of officer to whom reference may be made	Whether work was done on back-to-back basis Yes/No
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(j)	(k)
1.									
2.									
3.									
4.									
5.									
6.									
7.									

***Indicate the gross amount claimed and the amount awarded by the Arbitrator.**

Signature of Bidder(s)

FORM 'C'

STRUCTURE & ORGANISATION

1. Name & Address of the Bidder :
2. Telephone No/Telex No/Fax No :
3. The legal status of the bidder (scan & upload copies of the 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.

- Names and titles of Directors and Officers with designation to be concerned with this work.
- Designation of individuals authorized to act for the organization.
- 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.
- In which field of Civil Engineering construction, the bidder has specialization and interest?
- Any other information considered necessary but not included above.

Signatures of Bidder(s)

FORM 'D'**TENDER ACCEPTANCE FORM**

Affix duly
attested P.P. Size
photograph
of the bidder

Name of the tender:

Tender No:

The due date for tender:

Opening time & date of tender:

	Item	
	Details of Bidder	
	i. Name of Bidding Entity	
	ii. Registration number of the Bidding Entity	
	iii. Regd. Address	
	iv. PAN No.	
	Details of Authorized Signatory of the Bidder for the tender	
	i. Name	
	ii. Designation	
	iii. Address	
	iv. Office Telephone No	
	v. Mobile No.	
	vi. Fax No.	
	Details of the Authorized Person of the Bidder to deal with	
	i. Name	
	ii. Designation	
	iii. Communication Address	
	iv. Telephone No	
	v. Fax No.	
	vi. Email address	

	i. Please specify whether the bidder is a sole Proprietor/partnership Firm/Company/Society/Consortium	
--	---	--

	Amount	
ii.	RTGS/NEFT Details	
	Date of Transfer	
iv.	Name of the issuing authority	
	Confirm your organization employs more than 20 employees	
	a) PF Registration No. b) ESI Registration No. c) GST Registration No.	
	Any other information.	

:

9. Declaration by the contractor: -

This is to certify that I/ We before signing this tender have read and fully understood all the terms and conditions and instructions contained herein and undertake myself/ourselves to abide by the said terms and conditions.

(Signature of Tenderer)**Name:****Designation:****Address:****Dated:****Phone No.(O):**

FORM 'E'

POWER OF ATTORNEY

(On a Stamp Paper of relevant value)

I/ We..... (Name and address of the registered office) do hereby constitute, appoint and authorize Sri/Smt (Name and address) who is presently employed with us and holding the position of..... as our attorney, to act and sign on my/our behalf to participate in the tender no for (Equipment name).

I/ We hereby also undertake that I/we will be responsible for all action of Sri/Smt Undertaken by him/her during the tender process and thereafter on the award of the contract. His / her signature is attested below

Dated this the ____ day of 20_ For_____

(Name, Designation and Address)

Accepted

(Signature)

(Name, Title and Address of the Attorney)

Date: _____

Appendix- A**OEM Manufacturer's Authorization Form**

To;

The Executive Director
All India Institute of Medical
Sciences AIIMS, Bhubaneswar

Tender No :

Dated :

E-Tender for the work of : “Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”.

Equipment Name :.....
BOQ No :.....
Make :.....
Model :.....

Dear Sir/Madam;

1. We____(Name of the OEM) are the original manufacturer of the above equipment having a registered office at _____ (full address with telephone No/Faxdo hereby declare to give maintenance/warranty support including Software updates to through M/S, who is participating in Tender having No_____ of AIIMS, Bhubaneswar.
2. We also hereby undertake to provide full guarantee/ full performance warrantee /Comprehensive Annual Maintenance Contract as agreed by the bidder in the event the bidder is changed or the bidder fails to provide satisfactory after-sales and service during such period of Comprehensive Warranty/ Comprehensive Annual Maintenance Contract and to supply all the spares/accessories/consumables/material/software upgrades/ labour etc. during the said period through the appoint bidder by AIIMS, Bhubaneswar.
3. We also hereby declare that we have the capacity to manufacture and supply the quantity of the equipment tendered within the stipulated time, and provide service to install, and commission through the bidder .
4. We Also Compiled the Technical data sheet attached with the authorized signature and company seal.

Name :

Yours

For and on behalf of M/S _____

Faithfully,
(Name)
(Name of the Manufacturers)

Place :

Date :

Note : This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

Annexure – III

All India Institute of Medical Sciences Engineering
Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.edu.in

BIDDERS UNDERTAKING (CPWD – 7)

E-Tender for the work of: Tender for **“Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”**.

To be submitted online by:

TENDER

I/We have read and examined the notice inviting tender, schedule A,B,C,D,E, 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 AIIMS Bhubaneswar within the time specified in Performa of Schedules , viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings, and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **One Hundred Eighty (180) days** from the due date of opening of the financial bid and not to make any modification in its terms and conditions.

A sum of **Rs** is hereby forwarded in Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/ Fixed Deposit Receipts of a Scheduled Bank/ Demand Draft of a Scheduled Bank/ Bank Guarantee issued by a Scheduled Bank as earnest money. A copy of the earnest money in Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/ Fixed Deposit Receipts of a Scheduled Bank/ Demand Draft of a Scheduled Bank/ Bank Guarantee issued by a Scheduled Bank is submitted with tender. If I/We, fail to furnish the prescribed performance guarantee within the prescribed tender, I/we agree that **the Executive Director, AIIMS, Bhubaneswar** or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely **and** debar me/we for participating in any tender of AIIMS Bhubaneswar for a period of 1 year . Further, if I/We fail to commence work as specified, I/We agree that **the Executive Director, AIIMS, Bhubaneswar** or his 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 guaranteed to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the General Conditions of Contracts (CPWD). 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 **and debarred for participating in any tender of AIIMS Bhubaneswar for a period of 1 year.**

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, if such a violation comes to the notice of the Department, then I/We shall be debarred for tendering in AIIMS Bhubaneswar in the future forever. Also, if such a violation comes to the notice of the Department before the date of start of work, The Engineer – in – Charge shall be free to forfeit the entire amount of Earnest Money Deposited / Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom

to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated.....

Signature of Contractor
Postal Address

Witness:

e-Mail id

Address:

Occupation:

(To be filled in by the contractor/witness as applicable)

ACCEPTANCE

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the AIIMS Bhubaneswar for a sum of ₹ . _____ *

(Rupees _____ * _____)

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

a) _____ *

b) _____

c) _____

For & on behalf of the AIIMS Bhubaneswar.

Signature.....

Dated

Designation.....

GENERAL CONDITIONS FOR CONTRACT

Name of work: “Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”.

1. Prices quoted should be valid for the contract period from the date of opening of your offer. The prices quoted should be for the entire scope of work.

2. **Rates-** The prices quoted shall be inclusive of GST, PF & ESI amount paid to the statutory authorities by the Agency and shall be reimbursed on an actual basis throughout the contract period on submission of the documentary evidence in the next bill or after the final bill. GST shall be reimbursed on an actual basis on submission of the documentary evidence.

3. PF & ESIC Contribution: -

(i) The Agency shall have to register with PF & ESIC (wherever applicable) for workmen engaged for the work & challans/deposit receipts of PF ESI contribution shall be submitted in EIC office for verification/reimbursement, at the time of submission of the bill.

4. Terms of Payment: -

Running bill Payment:

- The Running payments for the work shall be released **as per the actual measurement of the work executed at the site** by AIIMS, Bhubaneswar.
- The Security Deposit @ 2.5% of the gross amount of the bill shall be deducted from the running bills, which shall be released after the successful completion of the DLP period from the date of completion of work, without any interest thereupon.
- 1% of labour cess will be deducted from bills.
- The following documents as applicable shall be produced and the self-attested photocopy shall be submitted by the Agency during each running bill:

1. Measurement Sheet
2. Delivery Challan of all the material supplied.
3. Warranty/Guarantee Certificate if applicable.
4. GST return up-to-date Voucher.
5. No claim certificate (Final bill).

5. Transport

- 5.1) The transport required within the complex for carrying items inside the AIIMS complex for supply of materials, repairing work, etc. shall be arranged by the Agency. The Agency may however seek the help of the department to take permission to take heavy items for repair outside the AIIMS, Bhubaneswar complex if considered necessary.
- 5.2) Agency's materials, transport, etc. shall normally be permitted to go out of the area between 9.00hrs.to 18.00hrs only. The agency may also be allowed to carry out the work beyond office hours(day and night) with special permission from the Executive Director AIIMS, Bhubaneswar. However, no movement of materials and transport out of the site of works shall be permitted during the night or during holidays unless special permission is obtained from the Executive Director, AIIMS, Bhubaneswar.

6. Antecedents :

The Agency shall employ only Indian Nationals as his representatives, servants, workmen and verify their antecedents and loyalty before employing them on the works. He shall ensure that no person of notorious antecedents and nationality is in any way associated with the works and if for

reasons of technical collaboration or other consideration, the employment of any foreign national is unavoidable, the Agency shall furnish full particulars to this effect to the accepting officer at the time of submission of tender. The Executive Director, AIIMS, Bhubaneswar shall have full powers and without giving any reasons to the Agency immediately cease to employ in connection with this contract, any representative agency, servant and workman, or employee whose continuous employment in his opinion is undesirable. The Agency shall not be allowed any compensation on this account.

7. Penalty Clause:

In case of any failure of / delay in services, the penalty shall be invoked as per **Clause-2 of GCC of CPWD works-2023**. Compensation for delay of work:

- **With maximum rate 1% (one percent) maximum per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10 % of the accepted Tendered Value of work.**

8. The work shall be governed by AIIMS, Bhubaneswar general conditions, and security regulations of the contract.

9. The Executive Director, AIIMS, Bhubaneswar or any one or more officers authorized by him shall have the right to visit Agency/sub-agency premises to check the physical progress of work, inspection, testing etc. of the contract items or any part thereof at any time during all stages of work. The Agency shall extend all necessary facilities for carrying out such inspection and check of the progress of work.

10. It is the responsibility of the successful tenderer to hand over the entire system to the Executive Director, AIIMS, Bhubaneswar on completion of the work in working condition. Any damages/replacement etc. should be done at free of cost with the knowledge of the Executive Director, AIIMS, Bhubaneswar. The final taking over will be done after detailed joint inspection by the Executive Director, AIIMS, Bhubaneswar/ or his authorized representative and the Agency on completion of the work.

11. Risk Purchases:

The cost of repairs/rectification necessitated due to negligence of the Agency's employee shall be recovered from the Agency as per the assessment made by the Executive Director, AIIMS, Bhubaneswar. If the Agency fails to repair/rectify the defects in installations within the time given to him, the same will be got repaired/rectified by another agency at the risk and cost of the Agency. The decision of the Executive Director, AIIMS, Bhubaneswar shall be final and binding on both the parties.

12. The Agency shall be solely responsible for compliance to the provisions of various Labour and industrial laws, such as, wages, allowances, compensations, EPF, and Bonus. Gratuity, ESI, etc. relating to personnel deployed by it at AIIMS, Bhubaneswar site or for any accident caused to them, and the institute shall not be liable to bear any expense in this regard. The Agency shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by AIIMS, Bhubaneswar for whatever reason. The Agency shall also be responsible for the insurance of its personnel. The Agency shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments/amendments/modifications: -

- (a) The Payment of Wages Act 1936.
- (b) The Employees Provident Fund & MP Act, 1952.
- (c) The Contract Labour (Regulation) Act, 1970.
- (d) The Payment of Bonus Act, 1965.
- (e) The Payment of Gratuity Act, 1972.
- (f) The Employees State Insurance Act, 1948.
- (g) The Employment of Children Act, 1938.

- (h) The Motor Vehicle Act, 1988.
- (i) Minimum Wages Act, 1948.

13. Breach of Terms and Conditions.

Noncompliance with any terms and conditions enumerated in the contract shall be treated as a breach of contract. In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by AIIMS, Bhubaneswar in that event the EMD shall also stand forfeited.

14. Termination of Contract.

AIIMS, Bhubaneswar has the right to terminate the contract, in case the work performance is not up to the standard, or if there is any violation of the contract. The decision by the Engineering- In-charge is final and binding in this regard.

15. Arbitration.

The Arbitration shall be held in accordance with the provision of the Arbitration and Conciliations Act, 1996, and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on both parties.

16. Dispute Settlement.

It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then same shall be referred to the sole Arbitrator appointed by the Executive Director, AIIMS, BHUBANESWAR whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

17. GST and other Taxes as applicable shall be recovered/ paid from the Agency's bill as per Govt. of India/AIIMS Rules.

ADDITIONAL CONDITIONS FOR WORK

A. GENERAL CONDITIONS

1. Other agencies working at the site will also simultaneously execute the work entrusted to them and the Agency shall offer necessary cooperation wherever required to other agencies.
2. Because of security considerations, there could be some restrictions on the working hours and movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the program for execution accordingly, for which nothing extra shall be paid.
3. The work shall be carried out in a manner complying in all respects with the requirements of relevant by-laws of the local bodies, Labour Laws, minimum wages act, workmen compensation act, and other statutory laws enacted by the Central Govt. as well as State Govt.
4. No residential accommodation shall be provided to any of the staff engaged by the Agency. The Agency shall not be allowed to erect any temporary setup for staff on the campus.
5. No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services, etc.
6. The Agency shall have registration with Employee's Provident Fund commission and Employee's State Insurance Corporation for the safe guarding interest of his workmen. He shall obtain all other necessary approvals from statutory bodies as per the law in vogue.
7. The Agency shall take immediate action to attend to any complaint assigned to him through the site

order book/verbal instructions from Engineer-in-Charge or his representative over telephones from occupants. In all cases, he shall attend to the complaints in the specified duration as mentioned below.

8. All dismantled material will be removed from the site by Agency after duly verification and measurement of the same by JE/AE and EE.
9. The Agency shall make all safety arrangements required for the labour engaged by him at his own cost. All consequences due to negligence or due to lapse of security/safety or otherwise shall remain with the Agency. The department shall not be responsible for any mishap, injury, accident, or death of the Agency's staff. No claim in this regard shall be entertained/accepted by the department. Also, Agency is responsible for the damage caused to any man/material other than his team during execution, and AIIMS will not be responsible for that.
10. The agency shall be fully responsible for any damages caused to govt. property by his or his labour in carrying out the work and shall be rectified by the Agency at his own cost.
11. GST and other Taxes as applicable shall be recovered/paid from the Agency's bill as per Govt. of India/AIIMS Rules.
12. The agency shall restore back the premises and other articles provided by the department to the department at the time of closure of the contract.
13. No permanent/temporary huts /structures shall be constructed by the Agency at the site of work or at any government land/premises. Such structures, if any, found at the site or at AIIMS Bhubaneswar land shall be demolished and removed at the cost of the agency without any notice.
14. Any damage to the building structure, fittings, or any other articles, etc. done by the Agency on his workman during the execution of the work shall be made good by the Agency at his own cost.
15. The Agency shall clear the site property after the completion of the work.
16. Major/Minor complaints shall be decided by the EE/Engineer-in-charge. The decision of the Engineer-In-charge shall be final & binding.
21. Any facility not mentioned in this scope, but which is vital **“Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”** are assumed to be included in the scope of work.
22. The agency must ensure safety and provide adequate supervision/precautions during the work.
23. During working at the site, any Rules/restrictions may be imposed by the Engineer-in-Charge/Security staff of the Corporation or Local Authorities regarding safety and security, etc., the Agency shall be bound to follow all such restrictions/instructions & nothing extra shall be payable on this account & no claim for delay on this account shall be entertained.
24. **The tender shall be based on the Conditions of Contract and tenderers are required to quote their %rates against BOQ items in a schedule of quantities, which is enclosed. All rates shall remain firm for the additional quantity in the contract period.**
25. If the Agency fails to proceed with the work within the stipulated time as specified from the date of issue of the letter of intent/letter to proceed with the work, the Department shall forfeit the earnest money deposited by him along with the tender.
26. All the works are to be carried out in accordance with the latest CPWD/BIS Specifications and as per the directions of the Engineer-in-charge.
27. **Packing:** The supplier shall provide such packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit.

28. The Agency must get approved all the material from the Engineer-in-Charge before its actual use at the site of work.
29. The scope of work includes all minor building works required for execution work such as cutting of walls etc. and making good the same. Nothing extra will be paid to Agency for the same.
30. The watch and ward of material and installation shall rest on the part of the Agency during the execution of work and till handing over of the same after completion of work in accordance with the schedule of work.
31. The Agency will take care of the building etc. while handling/installing the equipment to avoid damage to the building. If any damages occur during the execution of work, it shall be made good by Agency without any extra cost.
32. Existing materials in good condition may be used after joint inspection by AIIMS representatives & vendors.
33. Dismantled/unused materials are to be deposited at Engineering Dept. by the Firm.
34. The tender shall be based on the Conditions of Contract and tenderers are required to quote their own rates against each item in schedule of quantities (B.O.Q), which is enclosed. All rates shall remain firm for the contract period/extended contract period.

GENERAL CONDITIONS FOR SUPPLY OF MATERIALS:

1. The sample of all the items shall have to be got approved by the Agency by the Engineer-in-Charge/Executive Engineer or his Representative before the supply commences. The approval of the sample shall be only in respect of workmanship and finish and shall be without prejudice to the right of the Engineer-in-Charge to get random samples tested out of the actual lot received as per additional conditions. This decision is the prerogative of the Engineer-in-Charge.
2. The Agency shall furnish the manufacture's certificate (if instructed) that the material supplied satisfies the requirements of the relevant specifications.
3. The Engineer-in-Charge shall be at liberty to test the respective sample(s) of each item from the schedule of quantity in any approved laboratory as decided by him. The sample for testing shall be provided by the Agency. The testing charge in respect of satisfactory tests shall be borne by the Agency. All other expenditures required to be incurred for making available the sample conveyance and packing etc. shall be borne by the Agency himself. In case any sample of a particular lot fails in testing the Agency shall be bound to replace the entire lot with fresh material of prescribed specifications and the rejected lot shall only be returned to the Agency after the fresh lot is supplied.
4. After completion of work, the defective and damaged materials (Spare/Equipment/Scraps) shall be handed over to the AIIMS Authority or to be removed by the Agency at his own cost.
5. In case of any dispute regarding the rejection of the quantity of materials, the decision of the Engineer-in-Charge shall be final and binding upon the Agency.
6. Specialized work as indicated in the contract must be done through an authorized dealer or service Centre or manufacturer only. The Agency will submit the GST invoice for the equipment's or spares purchased from the manufacturer or authorized dealer. Similarly, for services, the agency shall submit the service report from an authorized service Centre or dealer for processing the payment.

**Executive Engineer(Elect.)
AIIMS Bhubaneswar**

SCOPE OF WORK (SOW)

The scope of work covers:-

“Supply, Installation, Testing & Commissioning (SITC) of a fully integrated IP-Based RFID and ANPR enabled Automatic Boom Barrier Access Control System for Basement Staff Parking Area at Hospital Building, AIIMS Bhubaneswar, complete in all respects, as per specifications, site conditions, relevant standards, and directions of the Engineer-in-Charge”.

1. ANPR-Based Vehicle Identification System:

Supply, installation, testing, and commissioning of **IP-based ANPR cameras** with weatherproof outdoor housing, IR illumination, varifocal lens, and **edge-based license plate recognition** capabilities at designated entry points. The scope includes mounting arrangements, brackets, connectors, power supply, network connectivity, software licensing, camera alignment, calibration, configuration, testing, and seamless integration with the centralized access control system.

2. RFID-Based Vehicle Authentication System:

Supply, installation, testing, and commissioning of **long-range UHF RFID readers** capable of reading passive vehicle-mounted RFID tags for entry and exit management. The work includes mounting structures, cabling, power supplies, connectors, configuration, integration with access controllers and central software, testing, and commissioning.

3. UHF RFID Tags

Supply and provisioning of **vehicle-mount, tamper-resistant long-range UHF RFID tags** suitable for reliable vehicle identification. The scope includes tag encoding, system registration, configuration, testing, and integration with the RFID readers and access management application.

4. Automatic Boom Barrier System

Supply, installation, testing, and commissioning of **automatic boom barrier systems** (2/4 meter boom length) suitable for two/four-wheeler lanes, complete with:

- High-speed motorized barrier mechanism
- Anti-fall safety radar sensors
- Remote controllers
- Control panel and safety accessories
- Civil foundation, grouting, alignment, and fixing

The system shall ensure safe, reliable, and automated vehicle access control.

5. Parking Capacity Display System

Supply, installation, testing, and commissioning of **outdoor-grade 55-inch LED display board** for real-time parking capacity indication, including:

- Total capacity
- Occupied vehicles
- Available parking slots

The display shall be weatherproof, suitable for continuous outdoor operation, and fully integrated with the parking management / ANPR / vehicle detection system, including mounting structures, power supply, surge protection, communication interfaces, software configuration, and testing.

6. IP-Based Access Controller

Supply, installation, testing, and commissioning of **industrial-grade IP-based access controllers** capable of controlling boom barriers and interfacing with RFID readers, ANPR cameras, loop/radar sensors, and other peripherals. The controller shall support real-time access decisions, centralized server connectivity, logging, and integration with the parking management system.

7. Centralized Vehicle Access Management Application

Providing, installing, configuring, and commissioning a **centralized IP-based vehicle access management software application**, capable of:

- Integration of boom barriers, RFID readers, and ANPR cameras
- Real-time vehicle monitoring and tracking
- Automated gate and barrier control logic
- License plate recognition and validation
- Unauthorized vehicle detection and restriction
- Parking duration monitoring and alerts
- Real-time parking space monitoring and analytics
- Centralized IoT device management
- Event logging, reports, dashboards, heat maps, and system health monitoring

The application shall be accessible from authorized network workstations.

8. Application Server Infrastructure

Supply, installation, configuration, testing, and commissioning of a **dedicated application server** with high-performance processors, GPU acceleration, redundant power supply, enterprise-grade hardware, Ubuntu LTS OS, display unit, and accessories, complete in all respects for hosting the access control and parking management application.

9. Software Licensing

Supply, activation, configuration, and commissioning of **central application channel licenses** for integration and management of all connected ANPR cameras, RFID readers, and boom barriers, including scalability for future expansion.

10. Network & IT Infrastructure

Supply, installation, testing, and commissioning of complete network infrastructure including:

- PoE managed network switches with SFP uplinks
- Single-mode fiber patch cords
- LIU with splicing
- Armoured SM OFC cables with termination and testing
- 10G SFP optical transceivers
- Network rack with accessories
- Cat 6 UTP LSZH cabling with proper routing, termination, dressing, and labeling

All networking works shall ensure reliable, secure, and redundant connectivity.

11. Electrical Works

Execution of complete electrical works including:

- Power cabling using FRLS/HFFR copper conductors
- PVC conduit installation (surface/recessed)
- Modular switches, sockets, and GI boxes
- MCBs in existing distribution boards
- Earthing, testing, and commissioning

All works shall comply with CPWD/DSR specifications and relevant IS standards.

12. Civil & Foundation Works

Execution of required **civil works** including:

- Demolition of existing concrete as required
- Construction of concrete foundations for boom barriers, poles, and equipment mounting
- Making good of disturbed surfaces

All civil works shall be executed strictly as per CPWD specifications and Engineer-in-Charge instructions.

13. Lighting Works

Supply, installation, testing, and commissioning of **high-efficiency outdoor LED flood lights** for adequate illumination of entry/exit zones, including wiring, earthing, mounting, testing, and OEM warranty compliance.

14. Testing, Integration & Commissioning

Complete system integration, functional testing, performance validation, safety checks, documentation, and final commissioning of the entire RFID-ANPR-Boom Barrier ecosystem to ensure seamless and reliable operation.

15. Documentation & Handover:

Upon completion of supply, installation, testing, integration, and commissioning of the IP-Based RFID and ANPR enabled Automatic Boom Barrier Access Control System, the contractor shall submit and hand over the following documents to **AIIMS Bhubaneswar (End User)**, complete in all respects and to the satisfaction of the Engineer-in-Charge:

1. **As-Built Drawings**
Detailed as-built drawings showing final equipment locations, mounting details, cable routing, network topology, power distribution, and interface points, reflecting the system as actually installed at site.
2. **System Architecture & Integration Diagrams**
Comprehensive system architecture diagrams illustrating the integration of ANPR cameras, RFID readers, boom barriers, access controllers, application server, network switches, display boards, sensors, and software platforms.
3. **Configuration & System Parameters**
Complete configuration details including IP addressing scheme, device IDs, access rules, software settings, user roles, permissions, and system logic implemented for entry/exit management.
4. **User Manuals & OEM Documentation**
Manufacturer's original user manuals, operation guides, installation manuals, technical datasheets, and OEM documentation for all supplied hardware and software components.
5. **Testing, Commissioning & Acceptance Reports**
Detailed testing and commissioning reports covering functional testing, integration testing, performance validation, safety checks, and final system acceptance, duly signed by the Engineer-in-Charge.
6. **Warranty & Support Certificates**
OEM warranty certificates for all hardware, software licenses, and system components, clearly indicating warranty period, coverage, and support terms.
7. **End User Completion Certificate**
Completion certificate duly signed by the authorized representative of **AIIMS Bhubaneswar (End User)** confirming satisfactory installation, testing, commissioning, and operational readiness of the system.
8. **No Claim Certificate**
No Claim Certificate from the contractor certifying that no further claims of any nature whatsoever shall be raised against AIIMS Bhubaneswar in respect of the executed work.
9. **GSTR Copies**
Submission of applicable **GSTR-1, GSTR-3B, and other relevant GST returns** corresponding to the work executed and bills raised for the project.
10. **Abstract of Bill**
Detailed abstract of the final bill indicating item-wise quantities, rates, amounts, taxes, and total project cost as per approved BOQ.
11. **Measurement Book / BOQ Measurement Records**
Measurement records of all BOQ items executed at site, duly verified and certified by the Engineer-in-Charge.
12. **Work Execution Photographs**
High-resolution photographs documenting various stages of work execution, including installation, cabling, equipment mounting, testing, and final commissioning, with date and location references.

16. Warranty period Maintenance and Support:

- i. **On-site 1-year warranty after completion of the SITC work, covering all equipment, accessories, and associated cabling. Provide post-installation support, including periodic maintenance and on-site/on call troubleshooting as required.**
- ii. The bidder will provide a 24 x 7 complain registration contact number, Email for Complaint registration during warranty period.
- iii. **Unlimited breakdown calls with a maximum response time of 48 hours, beyond which Liquidated Damages (LD) shall be imposed as per Clause 2. GCC of CPWD works-2023.**
- iv. Replacement of faulty equipment/components including cables and all installed accessories.
- v. Maintenance of installed cabling and connectors.
- vi. Software updates, firmware upgrades, and configuration backup.
- vii. Detailed service report submission after each visit.

17. Timeline: The project must be completed **within 60 days** from the workorder of the contract.

All documents shall be submitted in **hard copy (bound sets)** as well as **soft copy (PDF and editable formats)**. Final payment and project closure shall be subject to successful submission, verification, and approval of the above documentation by the Engineer-in-Charge.

Annexure – V
Technical Bid (Eligibility Criteria)

The scanned copies of the following mandatory documents to be uploaded on e-Tendering Portal in the following format.

Sl. No.	Details/ Particulars	Uploaded (Yes/No)	Page No.
(A)	Submitting Earnest Money Deposit.		
(B)	FROM `A to E` duly filled in and signed with stamp.		
(C)	The bidder shall submit a Completion Certificate for similar works, along with the corresponding Work Order and detailed Bill of Quantities (BOQ), issued by a government organization. These documents must be signed by an official not below the rank of Executive Engineer or an equivalent authority.		
(D)	Certificate of Registration for GST		
(E)	Attested Copies of PAN No.		
(F)	Copies of ESI Registration.		
(G)	Copies of EPF Registration.		
(H)	The Bidder(s) should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given to EE(Elect.)		
(I)	Declarations to be given by the Tenderer(s) (as per Page 11).		
(J)	Certificate of financial statements (Annual turn over of last 3 years duly certified from CA: At the time of submission of bid, bidder may upload affidavit/certificate from CA mentioning finance turn over for the period specified in the bid document. Further details if required may be asked to the contractor after opening of technical bid. There is no need to upload entire voluminous balance sheet.		
(K)	Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.		
(L)	Affidavit as per <i>Annexure – VI</i>		
(M)	Technical Specification Compliance Sheet		

AFFIDAVIT**(To be submitted on Rs. 100/- Indian Non-Judicial Stamp Paper)**

I/We hereby certify that the above firm has not been ever blacklisted by any Central/StateGovernment/Public Undertaking/Institute on any account.

I/We also certify that the Firm will supply the item(s) as per the specification given by Institution andalso abide by all the Terms & Conditions stipulated in the Tender.

I/We also certify that the information given in Bid is true and correct in all aspects and in any case at a later date, it is found that any details provided are false and incorrect, any contract given to the concerned firm or participation may be summarily terminated at any state, the firmwill be blacklisted and Institute may impose any action as per e-Tender Rules.

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

Business Address: -

Place: _____**Name:****(Signature of Bidder with Firm's Seal)****Dated:** _____

FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)

1. In consideration of the Executive Director, AIIMS, Bhubaneswar (hereinafter called “the Government”) having offered to accept the terms and conditions of the proposed agreement between and (hereinafter called “the said Agency(s)”) for the work (hereinafter called “the said agreement}” having agreed to the production of an irrevocable Bank Guarantee for Rs. (Rupees only) as a security/ guarantee from the Agency(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.

I/We (hereinafter referred to as Bank) hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by Government.

2. I/We do hereby undertake to pay the (Indicate the name of the Bank) 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 Agency(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only).

3. I/We the said bank undertakes to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the Agency (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

4. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the Agency (s) shall have no claim against us for making such payment.

5. I/ We further agree that the guarantee herein contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till Engineer-in-charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Agency (s) accordingly discharges this guarantee.

6. I/We further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent, and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Agency(s) 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 Agency (s) and to forebear or enforce any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said Agency (s) or for any forbearance, act of omission on that part of the Government or any indulgence by the Government to the said Agency (s) 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.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the Agency (s). We lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

8. This Guarantee shall be valid up to _____ unless extended on demand by 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 six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.

Dated the _____ day of _____ for _____

Annexure – VIII
Format for Integrity Pact
(To be made on Rs 100/- Judicial Stamp Paper)

This Agreement is made at.....on this.....day of 2026

BETWEEN

AIIMS, Bhubaneswar represented through Executive Engineer (Electrical), AIIMS, BHUBANESWAR,
....., (Hereinafter referred to as the)
(Address)

“**Principal/Owner**”, which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

AND

..... (Name and Address of the
Individual/firm/Company) through..... (Hereinafter referred to as the
(Details of duly authorized signatory)

“**Bidder/Contractor**” and which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

Preamble

WHEREAS, the Principal/Owner has floated the **Tender (NIT No. AIIMS/BBSR/ENGG/ELECT/16/2026** (here in after refer red to as “**Tender/Bid**”) and intends to award, under laid down organizational procedure, contract for : “**Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar..**”

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the Land, Rules & Regulations, Economic use of resources, and fairness/ transparency in its relationship with its Bidder(s) and Contractor(s).

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

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

Article - 1: Commitment of the Principal/Owner.

1. The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender processor the Contract execution.

(c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

Executive Engineer (Elect.)

AIIMS/BBSR/ENGG/ELECT/16/2026 (Signature of the Bidder with Seal)

2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offense under the Indian Penal Code (IPC)/Prevention of Corruption Act, 1988 (P C Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

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

1. It is required that each Bidder/Contractor (including their respective officers, employees, and agents) adhere to the highest ethical standard and makes, and report to the Government/Department all suspected acts of **fraud or corruption, or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2. The Bidder(s)/Contractor(s) commit himself to taking all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution: -

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind what so ever during the Tender process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids, or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offense under the relevant IPC/PC Act. Further, the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers, or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offenses outlined above or be an accessory to such offenses.

4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce a public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to a justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**

5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action, or influencing a decision through intimidation, threat, or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article - 3: Consequences of Breach.

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

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

Article - 4: Previous Transgression.

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
2. If the Bidder makes an incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article - 5: Equal Treatment of all Bidders/Contractors/Sub-contractors.

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

Article - 6: Duration of the Pact.

1. This Pact begins when both parties have legally signed the edit. It expires for the Contractor/Vendor

12 months after the completion of work under the contractor till the continuation of the defect liability period, whichever is more, and for all other bidders, till the Contract has been awarded.

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

Article - 7: Other Provisions.

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the Tender.

2. Changes and supplements need to be made in writing. Side agreements have not been unmade.

3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner's holding power of attorney signed by all partners and consortium members. In the case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4. should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5. It is agreed to terms and conditions that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact, or interpretation thereof shall not be subject to arbitration.**

Article - 8: LEGAL AND PRIOR RIGHTS.

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

Article – 9: Terms And Conditions of Payment

Running bill Payment:

- (i) The Running payments for the work shall be released as per the actual measurement of the work executed at the site by AIIMS, Bhubaneswar.
- (ii) The Security Deposit @ 2.5% of the gross amount of the bill shall be deducted from the running bills, which shall be released after the successful completion of the DLP period from the date of completion of work, without any interest thereupon.
- (iii) 1% of labour cess will be deducted from bills.
- (iv) Delivery Challan of all the material supplied.
- (v) Warranty/Guarantee Certificate if applicable.
- (vi) GST return up-to-date Voucher.
- (vii) No claim certificate (Final bill).
- (viii) The Income Tax as application shall be deducted from the bills unless exempted by the Income Tax Department.
- (ix) In case of any failure of / delay in services, the penalty shall be invoked as per Clause-2 of GCCof CPWD works-2023.
- (x) All melba/rubbish/waste, garbage, etc generated due to any work by the agency, the same shall be disposed of by the Agency to the authorized municipal dumping ground and nothing extra shall be paid on this account. In case of non-removal/disposal in the specified period, a compensation of ₹ 1000/- (Rupee One Thousand only) per day shall be recovered from the Agency.
- (xi) The agency shall submit the final bill along with all the documents related to all schedule registers, documents, etc. related to the work.

The other terms and conditions are stated below: -

- (a) All the Terms & conditions of the Tender document will form as the part of this Agreement.
- (b) The agency shall be solely responsible for compliance to provisions of various Labour, Industrial, and any other Laws applicable and all Statutory Obligations such as Wages, Allowances, Compensations, EPF, Bonus, Gratuity, ESI, etc. relating to personnel deployed in AIIMS, Bhubaneswar. The client shall have no liability in this regard.
- (c) The Agency shall be solely responsible for any Accident/Medical/Health related Liabilities/Compensation for the personnel deployed at it at AIIMS, Bhubaneswar site. The Client shall have no liability in this regard.
- (d) Any violation of Instructions/Agreement or Suppression of facts will attract cancellation of Agreement without any reference or any notice period.
- (e) The Contract can be terminated by giving 01 (One) Month Notice by the AIIMS, Bhubaneswar.
- (f) In case of Non-Compliance with the contract, the Client reserves its right to: -
- (i) Cancel/Revoke the contract; **and/or**
- (ii) Impose a penalty up to 10% of the total Value of the Contract.
- (g) Performance Security of 5 % of the Contract Value, in the form of a Fixed Deposit Receipt or Bank Guarantee form a scheduled Bank shall be furnished by the Agency at the time of signing of the Agreement.
- (h) There would be no increase in rates payable to the Agency during the Contract Period except any revision by the MoH & FW, Govt. of India.
- (i) The Agency also agrees to comply with the annexed Terms & Conditions of the Tender and amendments thereto from time to time.
- (j) The decision of the Client regarding the interpretation of the Terms & Conditions of the Tender shall be final and binding on the Agency.
- (k) The Agency shall ensure full compliance with the Tax Laws of India with regard to this contract and shall be solely responsible for the same. The Agency shall keep Client fully indemnified against liability of Tax, Interest, Penalty, and any other legal Liability, etc. of the Agency in respect thereof, which may arise. No Service Tax will be paid by AIIMS, Bhubaneswar. The Books of Accounts of the Agency, as regards this outsourcing work, shall be open for examination by the Institute as and when required.
- (l) In case of any dispute between the Agency and Client, the Client shall have the right to decide. However, all matters of jurisdiction shall be at the Local Courts of Bhubaneswar.
- (m) THIS AGREEMENT will take effect from the _____ **day of** _____ **Month of** _____ **20.....(.....)**
- (n) This day of _____ 20....., both the parties here to have caused their respective common seals to be hereunto affixed (or have hereunto set their respective hands and seals) the day and year mentioned above in Bhubaneswar in the presence of the witness: -

For and on behalf of the ‘AIIMS, Bhubaneswar’

For and on behalf of the ‘Agency’

Signature of the Authorized Official

(Name of the Official with Seal)

Signature of the Authorized Official

(Name of the Official with Seal)

By the said _____

_____ (Name)

_____ on behalf of ‘Agency’

in the presence of the Witness _____

Name _____

Address _____

By the said _____

_____ (Name)

_____ on behalf of ‘Agency’

in the presence of the Witness _____

Name _____

Address _____

PROFORMA OF SCHEDULES**SCHEDULE 'A'****Schedule of quantities: - (ENCLOSED at Page 67)****SCHEDULE 'B'****Schedule of materials to be issued to the contractor.**

<u>Ser. No.</u>	<u>Description of item</u>	<u>Quantity</u>	<u>Rates in figures & words at which the material will be charged to the contractor</u>	<u>Place of issue</u>
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>
<u>NIL.</u>				

SCHEDULE 'C'**Tools and plants to be hired to the contractor**

<u>Ser. No.</u>	<u>Description</u>	<u>Hire charges per day</u>	<u>Place of Issue</u>
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>
<u>NIL</u>			

SCHEDULE 'D'**Additional Condition and specifications: Enclosed.****SCHEDULE 'E'*****(Reference to General conditions of Contract.)***

Name of Work **“Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar..”**

Estimated Cost of Work **₹ 59,80,422.00** /- including GST.

(a)	Earnest Money	=	<u>02% of Estimated Cost.</u>
(b)	Performance Guarantee	=	<u>05% of Tendered Value</u>
(c)	Security Deposit	=	<u>2.5% of Tendered Value</u>

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer Inviting Tender: - Executive Engineer (Elect.), AIIMS, Bhubaneswar

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined: -

In accordance with Clause -12.2 &12.3 = 100%

Definitions**See below**

2 (v)	Engineer-in-Charge	Executive engineer , Electrical AIIMS, Bhubaneswar
-------	--------------------	---

Executive Engineer (Elect.)

AIIMS/BBSR/ENGG/ELECT/16/2026 (Signature of the Bidder with Seal)

2(viii)	Accepting Authority	Executive Director AIIMS, Bhubaneswar
2(x)	Percentage on cost of materials and labor to cover all over heads and profit	15%
2(xi)	Standard Schedule of Rates	Central Public Works Department Delhi Schedule of Rates (E & M) - 2025 with up to date correction slips
9(ii)	Standard AIIMS Contract Form	CPWD GCC Construction Works - 2023 as amended and up to and including correction slip

(i)	Time allowed for submission of Performance guarantee, Program Chart (Time & Progress) and applicable Labor Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	07 Days
(ii)	Maximum allowable Extension with late fee @ 0.1% of Performance guarantee amount beyond the period provided in (i) above.	01 to 15 days.

Clause – 2.

Authority for fixing compensation under Clause 2 : Executive Director, AIIMS, Bhubaneswar

Clause – 2A.

Whether Clause 2A shall be applicable : No

Clause – 5.

Time allowed for execution of work	:	60 days
Time of start of work:	:	Within Seven days after issue of Award of work Order

Sl no	Description of Milestone	Time Allowed in days	Amount to be withheld in case of non achievement of Milestone
1	Submission of structural drawing after vetting by Structural Engineer of any reputed Govt. Institute/Organisation	15 days	
2	Supply of all materials as per BOQ	30 days	
3			
Authority to decide fair & reasonable extension of time for completion of work		Engineer In Charge, AIIMS, Bhubaneswar	
Rescheduling of Milestones		Superintending Engineer, AIIMS, Bhubaneswar	

Clause – 6.

Whether Clause 6 (Computerized MB) shall be applicable : Yes

Clause – 7A.

Whether clause 7A shall be applicable : **YES.**

Clause – 10B.

Whether Clause 10B(i) shall be applicable : **YES.**

Clause – 10C.

Whether Clause 10C shall be applicable : **Not applicable.**

Clause – 10CC

Whether Clause 10CC shall be applicable : **Not applicable.**

Clause – 11.	:	CPWD General Specification for Electrical Works 2023
Clause – 16.		
Competent Authority for deciding reduced rates	:	Superintending Engineer AIIMS, Bhubaneswar
Clause – 25.		
(i) Conciliator	:	Dispute Redressal Committee (DRC) to be constituted by Executive Director, AIIMS, Bhubaneswar
(ii) Arbitrator Appointing Authority	:	Executive Director, AIIMS, Bhubaneswar
(iii) Place of Arbitration	:	Bhubaneswar
Clause – 32. Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table :-		

Value of Work	Ser. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the Agency in the event of not fulfilling provision of clause32	
							(Figures)	(Words)
For Agreement amount upto Rs150 Lakhs	(a)	Graduate Engineer OR Diploma Engineer	Elect.	Principal Technical representative	02 years for Graduate Engineer/ 05 years for Diploma Engineer	2	<i>Rs 30000.00/-</i>	<i>Rs. Thirty Thousand only</i>

Annexure – X**TECHNICAL SPECIFICATION COMPLIANCE SHEET**

Supply, Installation, Testing & Commissioning of IP-Based ANPR (Automatic Number Plate Recognition) Camera			
SL No: 1	Minimum Technical Requirements	Compliance (Details)	Remarks
1	Camera Type: IP-based Bullet Camera suitable for outdoor ANPR applications with edge-based license plate detection capability.		
2	Image Sensor: 1/2.7" 5MP Progressive Scan CMOS.		
3	Resolution: 2880 (H) × 1620 (V) or higher.		
4	Lens: Motorized Varifocal Lens, 5–50 mm.		
5	IR Distance: Minimum 80 meters.		
6	Angle of View: Horizontal: 51°–7°; Vertical: 27°–4°; Diagonal: 60°–8°.		
7	Minimum Illumination: 0.004 Lux (Color).		
8	Video Compression: H.265+, H.265, H.264+, H.264, H.264B, MJPEG.		
9	Video Streaming:		
10	• Main Stream: @30 fps – 5MP (2880×1620), 4MP (2592×1520), 3MP (2304×1296), 1080P (1920×1080), 720P (1280×720).		
11	• Sub Stream: @30 fps – 720P (1280×720), VGA (640×480), QVGA (320×240).		
12	• Third Stream: @30 fps – VGA (640×480), QVGA (320×240).		
13	Motion Detection: Minimum 4 configurable zones (rectangular).		
14	Network Protocols: TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP.		
15	ONVIF Compliance: ONVIF Profile S, Profile G, and Profile T; camera must be listed on the official ONVIF portal. The product should be ONVIF certified (Certificate to be attached)		
16	Event Triggers: Motion detection, video tampering, scene change, network disconnection, IP address conflict, illegal access.		
17	Smart Analytics: License Plate Detection, Face Recognition, Human & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Cross Counting, Stationary Object Detection, Heat Map, Crowd Density Detection, Queue Length Detection, Rare Sound Detection.		
18	Advanced Features: Starlight technology, WDR ≥120 dB, ICR auto switch (Day/Night).		
19	Storage: Micro SD card slot, support up to 256 GB.		
20	Audio & Alarm: Audio I/O – 1/1, Alarm I/O – 1/1.		
21	Privacy Mask: Up to 8 configurable regions.		
22	Power Supply: 12V DC and PoE (IEEE 802.3af/at).		
23	Housing: Metal casing, vandal-resistant design.		
24	Ingress Protection: IP67 weatherproof rating.		
25	The OEM shall provide a declaration stating that the offered IP CCTV cameras and NVRs do not support GB28181 / GB/T 28181-2011 standards. The system shall not provide any configurable option in the web interface or settings to activate or deactivate the said standard or its associated protocols.		
26	Compliance: NDAA compliant.		
27	Certifications: All products must be following BIS, CE, FCC, ROHS certification. The OEM should have an ISO 9001:2015, ISO/IEC 27001:2022, ISO 14001:2015, ISO 45001:2018 Certificate.		
28	The selected OEM of CCTV cameras and NVR shall ensure that the MAC addresses of all makes and models of IP CCTV cameras quoted in this tender are registered in the name of the OEM. The MAC addresses shall not be registered in the name of any third party.		

29	Scope: Including mounting accessories, cabling, connectors, configuration, testing, integration with central system, and commissioning complete in all respects as per direction of Engineer-in-Charge.		
30	Warranty:Minimum 1-year onsite warranty		
31	The OEM shall have an authorized local supplier/service partner to ensure timely maintenance. The local supplier/service partner shall have proven experience in IP-based CCTV systems executed for Government / PSU organizations. The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted		
32	The OEM shall be registered in India under the Companies Act, 1956 / 2013 for at least five (5) years. The OEM brand should have been established in India for the last five (5) years and supported by documentary evidence such as COI, TM registration, or similar certificates.		
33	The OEM shall maintain a dedicated service support centre in India, staffed with qualified technical personnel during working hours, and a fully functional repair and maintenance office with necessary tools, spares, and testing facilities within India.		
34	The OEM of the IP Camera and NVR should not be blacklisted or banned by any Government or Government Department in any country. Further, no case of cheating or fraud related to the offered product line should be pending against the OEM as on the date of bid submission. Self-declaration / affidavit on OEM letterhead, duly signed and stamped submitted during bid submission.		
35	Make and Model:		
36	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.		
Note:			
I. Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.			
II. The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence			
III. The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.			
IV. At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.			
V. Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.			

Supply, Installation, Testing & Commissioning of IP-Based Long Range UHF Reader			
SL No: 2	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	General: Industrial-grade long-range UHF RFID reader suitable for vehicle access control and dense tag environments, complete with antennas, mounting accessories, power supply, cabling, configuration, testing, and commissioning.		
2	RFID Reader – Technical Specifications:		
3	Antenna Ports: Minimum 4 RF antenna ports with independent power control per port.		
4	Processor: Minimum 600 MHz or better.		
5	Memory: Minimum 256 MB DRAM and 512 MB Flash or better; capable of storing at least 100,000 tag records locally.		

6	GPIO: Minimum 4 digital inputs and 4 digital outputs, optically isolated.		
7	Application Capability: Suitable for dense tag environments with dense reader mode support.		
8	Connectivity Interfaces: 10/100 Ethernet (RJ45), Serial DB9, USB.		
9	Ingress Protection: Minimum IP66 with outdoor enclosure.		
10	SAR / MPE Compliance: FCC 47 CFR Part 2 (OET Bulletin 65), EN 50364.		
11	Reading Accuracy & Reliability: Designed for continuous 24×7 power-ON operation throughout device life.		
12	Standards Compliance: ISO/IEC 18000-6C (EPC Class 1 Gen 2), ISO/IEC 18000-6B, ISO/IEC 18000-6D.		
13	RF Output Power: Adjustable from 0 dBm to +33 dBm; support for PoE+ power input.		
14	Data Retention: Ability to retain tag data during network failure and automatically transmit stored data once connectivity is restored.		
15	Host Interface & IoT Integration: Native communication without additional middleware using Secure MQTT, HTTPS POST, TCP/IP, USB-HID, Secure WebSocket; true cloud IoT integration with Google Cloud Platform (GCP) and Microsoft Azure endpoints.		
16	Centralized Management: Remote reader configuration, health monitoring, firmware upgrade, rules-based alerts, and centralized profile-based configuration.		
17	Security: SSL/TLS with PKI certificates, TLS 1.2, FIPS-140 compliant encryption.		
18	User Applications & APIs: Support for Python, NodeJS, and device agent applications; APIs for host and embedded systems integration.		
19	Receiver Sensitivity: Minimum –85 dBm monostatic or better.		
20	Frequency Selection: FHSS or fixed-channel configuration across supported frequency bands.		
21	Safety & Health Standards: IEC 60950-1, UL 2043.		
22	Regulatory & Statutory Compliance: BIS, RoHS, WPA compliant.		
23	Environmental Compliance: RoHS, WEEE.		
24	Service Support: OEM must have an authorized, ISO-certified service center in India.		
25	Installed Base: OEM must have a minimum of 5,000 units of the same reader model deployed in India.		
26	RFID Antenna – Technical Specifications:		
27	Accessories: Antenna supplied with mounting bracket and installation accessories (RF cable excluded).		
28	Connectors: 2 × Type-N Female connectors.		
29	Polarization: LHCP and RHCP circular polarization.		
30	Mounting: Integrated mounting holes suitable for outdoor installation.		
32	Antenna Gain: Minimum 6 dBiL.		
33	Operating Frequency Range: 865–956 MHz.		
34	3 dB Beam Width: Minimum 70° in both horizontal and vertical planes.		
36	Axial Ratio: 1 dB.		
37	VSWR: < 1.4:1.		
38	Ingress Protection: Minimum IP67 or better.		
39	Environmental Compliance: RoHS.		
40	Vibration Resistance: IEC-68 series.		
41	Humidity Resistance: MIL-STD-810G Method 507.5 Procedure II.		
42	Operating Temperature: Up to +70°C.		

43	Scope Includes: Mounting, alignment, cabling, network integration, configuration, testing, and commissioning complete in all respects as per specifications and directions of Engineer-in-Charge.		
44	Warranty: Minimum 1-year onsite warranty		
45	Make and Model:		
Note:			
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.		
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence		
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.		
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.		
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted		
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.		
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.		
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.		

Providing and supplying high-quality UHF RFID tags			
SL No:	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
3			
1	General: High-quality UHF RFID tags suitable for vehicle access control through boom barrier-based RFID reader infrastructure, complete with configuration, testing, and system integration.		
2	Tag Type: Passive UHF RFID tag, vehicle-mount type (windshield / headlamp / number plate mounting as applicable).		
3	Read Range: Long-range readable (minimum 6–10 meters or better when used with compatible UHF RFID long-range readers).		
4	Operating Frequency: UHF band compliant with India regulations – 865–867 MHz.		
5	RF Standard: EPCglobal Class 1 Gen 2 / ISO/IEC 18000-6C compliant.		
6	Authentication & Performance: Reliable and consistent tag readability for entry/exit authentication in parking access control applications.		
7	Tamper Resistance: Tamper-resistant / tamper-evident design suitable for vehicle mounting; tag shall become unreadable or indicate tamper upon unauthorized removal (if applicable).		
8	Memory: EPC memory \geq 96 bits; User memory as per OEM specification suitable for vehicle ID encoding.		
9	Data Retention: Minimum 10 years data retention; minimum 100,000 write cycles.		

10	Mounting: Adhesive-backed or mechanical mounting suitable for long-term vehicle installation; resistant to vibration and environmental exposure.		
11	Environmental Performance: Operational temperature range suitable for outdoor vehicular use (minimum -20°C to +70°C or better).		
12	Material & Durability: Weather-resistant construction suitable for Indian climatic conditions.		
13	Compatibility: Fully compatible with supplied UHF RFID readers and centralized access control / parking management application.		
14	Configuration & Integration: Includes tag encoding, system registration, mapping with vehicle database, configuration, and testing for seamless integration with access control system.		
15	Scope Includes: Supply of RFID tags, configuration, testing, documentation, and commissioning complete in all respects as per specifications and directions of the Engineer-in-Charge.		
16	Warranty: Minimum 1-year onsite warranty		
17	Make and Model:		
Note:			
The above technical specification compliance sheet must be duly filled, signed, and submitted by an authorized person from the bidder on the bidder letterhead. This is mandatory for technical qualification.			

Supply, installation, testing and commissioning of a 2/4-meter automatic boom barrier			
SL No: 4	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	General: Industrial-grade automatic boom barrier system suitable for high-traffic vehicle access control applications, complete with boom arm, drive mechanism, controller, safety accessories, civil foundation works, cabling, testing, and commissioning.		
2	Boom Type & Length: Telescopic boom arm, adjustable up to 6 meters clear passage width.		
3	Motor Type: High-efficiency BLDC motor with integrated gearbox.		
4	Output Torque: Minimum 240 Nm.		
5	Opening / Closing Speed: Adjustable between 2–5 seconds with minimum 3 selectable speed modes.		
6	Duty Cycle: Capable of handling 3,000–4,000 operations per day under continuous operation.		
7	Life Cycle (MTBF): Minimum 6.0 million operations.		
8	Power Supply: 230 V AC ±10%, 50 Hz, single-phase.		
9	Operation Orientation: Left-hand and right-hand installation interchangeable at site.		
10	Protection Rating: Minimum IP54 for outdoor operation.		
11	Housing / Enclosure: Weather-resistant metal enclosure suitable for outdoor installation.		
12	Safety & Accessories: Provision for integration with safety devices such as radar sensors, loop detectors, photocells, and emergency stop mechanisms.		
13	Control & Integration: Compatible with RFID readers, ANPR cameras, access controllers, and centralized parking/access management software.		
14	Civil & Electrical Works: Includes foundation, mounting, power cabling, earthing, alignment, testing, and commissioning.		
15	Scope Includes: Supply of complete boom barrier assembly, accessories, installation, testing, commissioning, and handover complete in all respects as per specifications and directions of the Engineer-in-Charge.		
16	Warranty: Minimum 1-year onsite warranty		

17	Make and Model:	
Note:		
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.	
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence	
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.	
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.	
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted	
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.	
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.	
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix–A, for the quoted items by the bidder as mention in NIT.	

Supply, installation, testing, and commissioning of outdoor-grade 55" LED display board			
SL No: 5	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	General: Outdoor-grade LED display board suitable for real-time vehicle parking capacity display indicating total capacity, occupied vehicles, and available slots, integrated with parking management / ANPR / vehicle detection system.		
2	Display Size: Minimum 55-inch diagonal.		
3	Display Type: High-brightness LED/LCD display suitable for outdoor visibility.		
4	Brightness: Minimum 2,000 nits or suitable for clear visibility in direct sunlight.		
5	Resolution: Full HD (1920 × 1080) or higher.		
6	Viewing Angle: Minimum 178° (H) / 178° (V).		
7	Operating Mode: 24×7 continuous outdoor operation.		
8	Weatherproof Housing: Outdoor-rated enclosure with minimum IP65 protection, corrosion-resistant, dustproof, and waterproof.		
9	Mounting Structure: GI/MS mounting frame or pole/wall mount suitable for outdoor installation including all fixtures and fasteners.		
10	Power Supply: AC 230 V ±10%, 50 Hz with built-in or external SMPS as required.		
11	Surge Protection: Built-in surge protection device for power and data lines.		
12	Communication Interface: Ethernet (LAN RJ45), RS485, and Wi-Fi connectivity for data integration.		

13	Software Integration: Fully compatible with centralized parking management / ANPR / vehicle detection system for real-time data display.		
14	Display Content: Dynamic display of total parking capacity, occupied vehicles, available slots, system messages, and alerts as configured.		
15	Configuration & Control: Remote configuration and content update through central application.		
16	Interconnecting Works: All required power/data cables, conduits, glands, and accessories.		
17	Testing & Commissioning: Complete testing for visibility, communication, data accuracy, integration, and reliability.		
18	Scope Includes: Supply, installation, mounting, power and data connectivity, surge protection, software configuration, testing, commissioning, and handover complete in all respects as per specifications and directions of Engineer-in-Charge.		
19	Warranty: Minimum 1-year onsite warranty		
20	Make and Model:		
Note:			
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.		
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence		
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.		
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.		
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted		
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.		
VII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.		

Supply, installation, testing, and commissioning of an industrial-grade IP-based access controller			
SL No: 6	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	General: IP-based industrial-grade two-door access controller suitable for integration with RFID readers, ANPR system, boom barriers, and centralized access/parking management software, complete with power supply, accessories, installation, testing, and commissioning.		
2	Hardware & Communication:		
3	Communication Interface: 10/100 Mbps adaptive Ethernet supporting TCP/IP protocol.		
4	Controller Type: Two-door access controller supporting control of 2 doors and up to 4 card readers (entry/exit).		
5	Reader Interface Protocol: Wiegand 26/34 bit (software configurable; default 26 bit).		

6	Processor: 32-bit ARM processor supporting minimum 5 simultaneous communication channels.		
7	Data Storage Capacity: Minimum 42,000 cardholders and 200,000 transaction/event records.		
8	Power-Off Data Protection: Non-volatile memory with minimum 8 years data retention during power failure.		
9	Door Control & I/O:		
10	Door Lock Relay: Minimum 2 relays per controller.		
11	Relay Output Contacts: NC / COM / NO contacts.		
12	Maximum Switching Rating: 250 V AC, 6 A.		
13	Working Voltage: DC 12 V.		
14	Output Voltage: DC 12 V / 3 A (for reader/lock power supply).		
15	Input Voltage: AC 220 V \pm 10%, 50 Hz.		
16	Power Consumption: Circuit board consumption \leq 100 mA.		
17	Performance & Environmental:		
18	Communication Distance: Reader-to-controller distance \leq 100 meters; controller-to-network dependent on LAN coverage.		
19	Operating Temperature: -25°C to $+70^{\circ}\text{C}$.		
20	Operating Humidity: 10% to 90% RH, non-condensing.		
21	Dimensions: Approx. 157 mm \times 129 mm (H \times W).		
22	Scalability: Support for unlimited number of controllers within the centralized system architecture.		
23	Functional & Software Features:		
24	• Real-time system health monitoring including voltage input, watchdog status, and operating days.		
25	• Anti-theft host function with fire alarm linkage support.		
26	• Automatic controller discovery and installation on the network.		
27	• Access capacity control with regional occupancy limits and card usage limits.		
28	• Bistable door mode (card swipe to open; swipe again to close).		
29	• Remote door opening and control through central software.		
30	• Full-card or dual-side (inside/outside) card authentication support.		
31	• Time-zone based access control and authentication method configuration.		
32	• Configurable repeat card read interval.		
33	• Anti-passback and interlock functionality.		
34	• Support for video capture and recording integration with surveillance systems.		
35	• High expandability and open architecture for seamless integration with third-party systems and devices.		
36	Scope Includes: Supply, mounting, wiring, power connections, configuration, integration, testing, commissioning, and handover complete in all respects as per specifications and directions of the Engineer-in-Charge.		
37	Warranty: Minimum 1-year onsite warranty		
38	Make and Model:		
Note:			
I. Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage			

II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.

Providing, installing, and configuring a centralized vehicle access management application			
SL No: 7	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Centralized vehicle access management application (Central App)		
2	IP-based architecture for centralized operation		
3	Capability to integrate and control multiple automatic boom barriers		
4	Integration with UHF RFID long-range readers		
5	Integration with ANPR / License Plate Recognition cameras		
6	Real-time monitoring of all entry and exit points		
7	Automated access control logic for vehicles		
8	Real-time vehicle tracking		
9	Automated gate and boom barrier operation		
10	License plate recognition with vehicle authorization control		
11	Unauthorized vehicle detection and restriction		
12	Event recording and system log generation		
13	Comprehensive reporting with downloadable logs		
14	Real-time parking space monitoring		
15	Automated parking guidance functionality		
16	Overstay detection and parking duration alerts		
17	Integrated IoT device control and smart sensor integration		
18	Centralized IoT device management and configuration		
19	Customizable analytics dashboard		
20	Real-time system metrics display		
21	Heat maps and analytical visualization		
22	Responsive multi-device user interface (desktop/tablet/mobile)		
23	Live system status updates		
24	Access restricted to authorized workstations/users only		
25	Software installation, configuration, testing, and commissioning included		
26	Complete solution as per specifications and directions of Engineer-in-Charge		

Note:	
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.

Supply, installation, configuration, and testing of Boom Barrier Access Control Application Server			
SL No: 8	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Supply, installation, configuration, and testing of Boom Barrier Access Control Application Server		
2	Server suitable for running boom barrier access control and vehicle management applications		
3	Dual Intel Xeon Gold processors		
4	Minimum 16 cores per processor		
5	Processor clock speed \geq 3.2 GHz		
6	Minimum 64 GB RAM		
7	NVIDIA GPU provided		
8	GPU model: NVIDIA A2000 / RTX A4000 / A10 or equivalent		
9	Redundant (dual) power supply		
10	Operating System: Ubuntu (latest LTS version)		
11	Dual RJ45 Gigabit LAN ports		
12	Standard connectivity interfaces: USB		
13	Video interfaces: HDMI / VGA		
14	Supplied complete with keyboard		
15	Supplied complete with mouse		
16	Supplied complete with 22-inch LED display		
17	Proper installation, configuration, and system testing included		
18	Compatible with centralized boom barrier / RFID / ANPR applications		
19	Complete solution supplied in all respects		
20	Compliance with specifications and directions of Engineer-in-Charge		

21	Warranty:Minimum 1-year onsite warranty	
22	Make and Model:	
Note:		
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.	
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence	
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.	
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.	
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted	
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.	
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.	

Supply, Installation, Testing and Commissioning (SITC) of Central Application Channel License			
SL No: 9	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	License enabling centralized integration and management of access control ecosystem		
2	Support for integration with automatic boom barriers		
3	Support for integration with UHF RFID long-range readers		
4	Support for integration with ANPR / License Plate Recognition cameras		
5	Channel-based licensing for device communication and management		
6	License activation and validation included		
7	System configuration and channel provisioning included		
8	Device mapping and logical association within central application		
9	Functional integration across all connected devices		
10	Real-time event handling and processing		
11	Real-time device synchronization		
12	Multi-device interoperability support		
13	Support for scalable expansion / addition of future devices		
14	Centralized monitoring and management through application		
15	Testing of licensed channels and integrated devices		
16	Final commissioning of complete access control ecosystem		
17	License compatible with centralized vehicle access management application		
18	Proper documentation and handover included		
19	Complete solution in all respects		
20	Compliance as per specifications and directions of Engineer-in-Charge		
Note:			

I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.
IV.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
V.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.

Supply, installation, testing, and commissioning of 8-Port 1G PoE Managed Network Switch with 2×SFP+			
SL No: 10	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Physical Ports: 8x 10/100/1000 Mbps Rj45 PoE+, Ethernet Ports with 4 Gigabit Combo (RJ-45/SFP) Ports		
2	Switching Capacity: 24 Gbps; Forwarding Capacity: 17.86 Mpps		
3	Flash: 128 Mbit ; DRAM: 128 Mbit ; CPU: RTL 8382M ; Packet buffer memory: 4.1Mbit		
4	Operating Humidity: 10% ~ 90% non-condensing ; Temperature: 0°C -40°C		
5	Power supply: AC Power: 100 to 240 V, 50-60 Hz and 6Kv input Surge Protector		
6	PoE Power Budget: 140 Watt, Support IEEE802.3af and IEEE802.3at standard		
7	LED Indicators: Power, Link/Act		
8	Forwarding Mode: Store and Forward ; MAC Address Table: 8K		
9	Max. Jumbo Frame size: 10K		
10	L2 Features: Switch should support Auto-Negotiation for port speed and duplex mode. Switch should support STP / RSTP / MSTP. Switch should support Loopback Detection. Switch should support BPDU Filter and BPDU Guard. Switch should support LLDP, MVR. Switch should support IGMP v2/v3 Snooping: IGMP Querier, Immediate Leave. Switch should support 256 IEEE 802.1q tag based VLAN with 4K VLAN ID. Switch should support MAC Based VLAN, Voice VLAN, Guest VLAN, Management VLAN. Switch should support LACP: 8 Groups, 8 Ports/Group and static trunk. Switch should support Each port supports 8 queues.		
11	QoS Features: Switch should support Queueing Mechanism: SP and WRR. Switch should support Flow Control. Switch should support Classifications based on-- COS, COS DSCP, IP Precedence. Switch Each port supports 8 queues.		
12	Security: Switch should support MAC address Binding. Switch should support broadcast/Multicast/Unicast storm control. Switch should support IP and MAC ACL (Ipv4). Switch should support RADIUS, 802.1x based Authentication. Switch should support Port Security, Protected Port. Switch should support DOS. Switch should support Management ACL. Switch should support DHCP Snooping, DHCP Snooping option 82, IP Source Guard, IP-MAC-Port-VLAN Binding.		
13	Management: Switch should support Port Mirroring. Switch should support traffic statistics. Switch should support IPv4 DHCP Client. Switch should support Configuration Backup and Recovery. Switch should support Dual firmware images and Configuration files. Switch should support Error Disabled, Bandwidth Utilization. Switch should support SNMP v1/v2c/v3 and Remote Server. Switch should support Telnet, SSH, HTTP, HTTPS. Switch		

	should support RMON, SNTTP. Switch should support EEE, Port Statistics. Switch should support Ping, Traceroute. Hardware Factory Reset button		
14	The product must be "Make in India". The OEM must be operation in India for a minimum of 25 years and should have over 5 years of experience in manufacturing networking equipment. The OEM must hold valid certifications for ISO 9001:2015, ISO 14001:2015, ISO 27001:2022 and ISO 45001:2018. The OEM must possess a valid GST number and a trade license for the Eastern Region. All switches should be from same make for better compatibility and management.		
15	Compliance as per specifications and directions of Engineer-in-Charge		
16	Warranty: Minimum 1-year onsite warranty		
17	Make and Model:		
Note:			
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.		
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence		
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.		
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.		
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted		
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.		
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.		
VIII.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage. No post-bid clarification or submission shall be entertained, and no further correspondence shall be made in this regard		
IX.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.		

Supply and installation of LC-LC Duplex Single-Mode (SM) Patch Cord			
SL No: 11	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Fiber Type: Single-Mode 9/125 μm (OS2)		
2	Patch Cord Type: LC-LC Duplex		
3	Patch Cord Length: 3 meters		
4	Connector Type: 2 X LC type fiber connectors terminated at each end of fiber patch cord.		

Executive Engineer (Elect.)

AIIMS/BBSR/ENGG/ELECT/16/2026 (Signature of the Bidder with Seal)

5	Connector Polish: Single-mode compatible		
6	Insertion Loss: Insertion loss should be better than 0.35 dB		
7	Connector Loss: ≤ 0.30 dB (max)		
8	Attenuation @1310 nm: ≤ 0.36 dB/km		
9	Attenuation @1550 nm: ≤ 0.22 dB/km		
10	Jacket Material: LSZH		
11	LSZH compliance with IEC 61034-1 & 2		
12	LSZH compliance with IEC 60332-1		
13	LSZH compliance with IEC 60754-1 & 2		
14	Operating Temperature: -40°C to $+75^{\circ}\text{C}$		
15	Patch cord tested by NABL / BIS approved laboratory for LSZH		
16	OEM name printed on patch cord cable		
17	Product shall be Make in India		
18	OEM shall provide complete passive solution (copper + fiber) from same make		
19	All passive Network items and components shall be from the same OEM		
20	OEM registered in India for minimum 10 years		
21	OEM shall be ESG rated ,TIA member,RCDD-certified manpower in India ,direct service center in India,direct toll-free support number in India, own manufacturing facility in India		
22	OEM certifications: ISO 9001,ISO 14001,ISO 45001		
23	Product certification: CE		
24	Product certification: RoHS		
25	Complete in all respects as per specifications and directions of Engineer-in-Charge		
26	Warranty:Minimum 1-year onsite warranty		
27	Make and Model:		

Note:

- I. Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.
- II. The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence
- III. The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.
- IV. At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.
- V. The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
- VI. The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.
- VII. The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.
- VIII. Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.

Supply and installation of LIU 6 port loaded including fiber cable splicing

Executive Engineer (Elect.)

AIIMS/BBSR/ENGG/ELECT/16/2026 (Signature of the Bidder with Seal)

SL No: 12	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Fiber Optic Patch Panel suitable for structured cabling system		
2	Provision for up to 48 fibers in 1U size		
3	Rack Mount Height: 1U (1.75 inches)		
4	FMS termination drawer with slide-type structure		
5	FMS drawer capable of accommodating 3 adaptor plates		
6	Adaptor plate capacity: 12 / 16 port LC adaptor plates		
7	Empty slots of FMS covered with blank plates		
8	Material: Cold Rolled Steel		
9	Surface coating: Electrostatic epoxy powder coated		
10	Splice tray supplied with LIU		
11	Splice tray material: ABS		
12	Splice tray compliance: UL 94 V2		
13	Port configuration: 24 Duplex LC ports for 48F		
14	Adaptor plate configuration: 8 Duplex ports per adaptor plate × 3 plates		
15	Adaptor plates pre-loaded with LC / SC single-mode duplex adaptors		
16	Port density support: 12 / 16 LC/SC single-mode ports		
17	All LC adaptors shall be duplex type		
18	LC adaptors provided with shutter for protection		
19	Adaptors shall be snap-mount type for easy insertion/removal		
20	Insertion loss of adaptor: < 0.2 dB (preferred < 0.1 dB)		
21	All passive Network items and components shall be from the same OEM		
22	OEM registered in India for minimum 10 years		
23	OEM shall be ESG rated , TIA/EIA 568-C.2 ; TIA/EIA 568-D.2 ; ISO/IEC 11801,RCDD-certified manpower in India ,direct service center in India,direct toll-free support number in India, own manufacturing facility in India		
24	OEM certifications: ISO 9001,ISO 14001,ISO 45001		
25	Product certification: CE , BICSI Corporate Member		
26	Product certification: RoHS		
27	Corrosion resistance tested as per ASTM B117:2019		
28	Relevant corrosion test documents to be submitted		
29	Complete in all respects as per specifications and directions of Engineer-in-Charge		
30	Warranty:Minimum 1-year onsite warranty and OEM must provide 25 year Performance warranty		
31	Make and Model:		
Note:			
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.		
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence		
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.		
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall		

	clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix–A, for the quoted items by the bidder as mention in NIT.

Supply, Installation, Testing and Commissioning (SITC) of 6F Single-Mode Optical Fibre Cable			
SL No: 13	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Fiber type: Single-Mode Optical Fibre		
2	Fiber standard: ITU-T G.652D		
3	Fiber count: 6 Fibers		
4	Cable type: Armoured Optical Fibre Cable		
5	Attenuation @1550 nm: ≤ 0.21 dB/km per fiber		
6	Attenuation @1310 nm: ≤ 0.31 dB/km per fiber		
7	Tensile load withstand capability: $\leq 9.81 \times 2.5 \times W$ Newton		
8	Maximum allowable strain: $\leq 0.25\%$		
9	Dual jacket construction		
10	Inner sheath material: HDPE		
11	Outer sheath material: HDPE		
12	Armour: Steel Tape Armoured between inner and outer sheath		
13	Compressive load withstand: ≥ 4 kN / 100×100 mm		
14	Impact resistance: withstand impact of 50 N		
15	Crush resistance: withstand load of 100 N for 2 m cable length		
16	Minimum bending radius: 20D (where D is outer diameter of cable)		
17	PMD values as per ITU-T / TEC standards		
18	Chromatic Dispersion (CD) values as per ITU-T / TEC standards		
19	Compliance with latest TEC specifications		
20	Compliance with latest ITU-T specifications		
21	All passive items and components from same OEM		
22	OEM shall offer complete passive solution (copper + fiber)		
23	All passive Network items and components shall be from the same OEM		
24	OEM registered in India for minimum 10 years		
25	OEM shall be ESG rated , TIA/EIA 568-C.2 ; TIA/EIA 568-D.2 ; ISO/IEC 11801,RCDD-certified manpower in India ,direct service center in India,direct toll-free support number in India, own manufacturing facility in India		
26	OEM certifications: ISO 9001,ISO 14001,ISO 45001		
27	Product certification: CE , BICSI Corporate Member		
28	Product certification: RoHS		
29	OEM must provide 25 year Performance warranty		

30	Make and Model:	
Note:		
I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.	
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence	
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.	
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.	
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted	
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.	
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.	
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.	

SL No: 14	SITC of 10G SFP Single-Mode (SM)	Compliance (Yes/No / Details)	Remarks
	10G SFP Single-Mode (SM) optical transceiver module supporting 10 Gigabit Ethernet, LC interface, long-distance fiber connectivity, and full compatibility with OEM network switches. The item includes installation, testing, interoperability verification, and commissioning as required for the network infrastructure.		
Note:	Note:		
The above technical specification compliance sheet must be duly filled, signed, and submitted by an authorized person from the bidder on the letterhead. This is mandatory for technical qualification.			

Supply, installation, and fixing of 3-meter GI/MS pole			
SL No: 15	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Pole height: 3 meters above ground level		
2	Pole material: GI / Mild Steel (MS)		
3	Pole suitable for mounting radar equipment		
4	Base plate provided for pole mounting		
5	Base plate thickness adequate for structural stability		
6	Anchor bolts / fasteners supplied for base plate fixing		
7	All necessary mounting hardware included		
8	GI / MS brackets and clamps for radar mounting		
9	Cable entry / exit provision in pole		
10	Cabling support and internal / external cable management		
11	Anti-corrosion treatment (hot-dip galvanization / epoxy paint)		
12	Pole capable of withstanding outdoor environmental conditions		

13	Proper alignment of radar on pole		
14	Foundation work included		
15	Concrete foundation of adequate size and strength		
16	Grouting and curing as per standard practice		
17	Testing of pole stability after installation		
18	Final commissioning of mounted radar system		
19	Standards: Fabrication as per relevant IS standards		
20	Thickness: Minimum 3 mm		
21	Pole diameter: Minimum 100 mm OD (bottom) tapering to ≥ 76 mm (top) or equivalent strength		
22	Finish: Hot-dip galvanized (HDG) as per IS 2629 / IS 4759 (for GI) or epoxy-painted (for MS)		
23	Base plate: MS base plate, minimum 300 × 300 × 12 mm with slotted holes		
24	Anchor bolts: 4 nos. high-tensile foundation bolts (M16 / M20) with nuts & washers		
25	Mounting bracket: Custom-fabricated MS/GI radar mounting bracket, adjustable tilt & orientation		
26	Cable management: Internal / external cable routing provision with GI cable entry gland		
27	Foundation: RCC foundation of suitable size with grouting & levelling (M20 grade or higher)		
28	Wind load resistance: Suitable for outdoor installation and radar load		
29	Corrosion resistance: Suitable for all weather outdoor conditions		
30	Earthing provision: Dedicated earthing bolt on pole		
31	Complete fixing in all respects		
32	Compliance with site conditions and directions of Engineer-in-Charge		
Note:			
The above technical specification compliance sheet must be duly filled, signed, and submitted by an authorized person from the bidder on the letterhead. This is mandatory for technical qualification.			

Supply and laying of Access Control Cable			
SL No: 16	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Supply and laying of Access Control cable		
2	Cable suitable for RFID readers		
3	Cable suitable for access controllers		
4	Cable suitable for sensors (loop / safety / radar / door sensors)		
5	Cable suitable for boom barrier control and interface signals		
6	Cable type suitable for low-voltage control and data transmission		
7	Adequate conductor size and insulation for access control applications		
8	Cable suitable for indoor / outdoor routing as per site conditions		
9	Cable routing through conduit / tray / surface as required		
10	Proper dressing and segregation from power cables		
11	Ferruling, tagging, and identification at both ends		
12	Termination at controllers, readers, sensors, and boom barrier panels		
13	Use of appropriate connectors, lugs, and accessories		
14	Testing for continuity and functional performance		
15	Neat finishing and workmanship		
16	Compliance with site conditions		

Executive Engineer (Elect.)

AIIMS/BBSR/ENGG/ELECT/16/2026 (Signature of the Bidder with Seal)

17	Complete work in all respects		
18	Multi-core copper cable suitable for access control & security systems		
19	Conductor: Annealed bare copper, multi-strand		
20	Core configuration: 4C / 6C / 8C (as required)		
21	Compatible with RFID readers, boom barrier I/O, sensors, relays, and controllers		
22	Conductor size: 0.5 / 0.75 sq.mm (as per system design)		
23	Insulation: FRLS / HFFR PVC, color-coded cores		
24	Voltage grade: 300/500 V		
25	Sheath: FRLS / HFFR PVC, UV resistant		
26	Operating temperature: -20°C to +70°C		
27	Flame retardant: IEC 60332-1 compliant		
28	Smoke & toxicity: IEC 61034, IEC 60754 compliant		
29	Electrical parameters suitable for low-voltage signal & power transmission		
30	Suitable for indoor & outdoor installation in conduit/tray		
31	As per specifications and directions of Engineer-in-Charge		
Note:			
· The above technical specification compliance sheet must be duly filled, signed, and submitted by an authorized person from the bidder on the letterhead. This is mandatory for technical qualification.			

Supply and installation of Patch Cord, U/UTP, 4-Pair, Cat-6, Length 2 Meter

SL No: 17	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Patch Cord, U/UTP, 4-Pair, Cat-6, Length 2 Meter		
2	Category: Cat-6, Class E compliant		
3	Standard compliance: ISO/IEC 11801 (2nd Edition)		
4	Component standards: IEC 60603-7-4 and IEC 60603-7-5		
5	Cable shielding type: U/UTP (Unshielded)		
6	Number of conductors: 8		
7	Conductor stranding: 7 × 0.20 mm (24 AWG)		
8	Conductor material: Copper		
9	Insulation material: Solid polyolefin		
10	Insulation diameter: 0.97 ± 0.02 mm		
11	Cable jacket: LSZH (Low Smoke Zero Halogen)		
12	Jacket material metal-free		
13	Overall cable diameter: 6.5 ± 0.2 mm		
14	Plug type: RJ-45 with round cable holder		
15	Plug with strain relief boot to prevent bending		
16	Enhanced cable retention and pull strength		
17	High repeatability crosstalk performance		

18	Patch cord plug UL listed		
19	NABL / BIS certified lab test report for LSZH jacket		
20	ETL 4-connector test report for 100 m channel		
21	ETL 4-connector test report for short distance (15 m)		
22	Zero Bit Error Test report submitted		
23	OEM must offer Make-in-India product		
24	All passive components (copper & fiber) from same OEM		
25	All passive items and components from same OEM		
26	OEM shall offer complete passive solution (copper + fiber)		
27	All passive Network items and components shall be from the same OEM		
28	OEM registered in India for minimum 10 years		
29	OEM shall be ESG rated , TIA/EIA 568-C.2 ; TIA/EIA 568-D.2 ; ISO/IEC 11801,RCDD-certified manpower in India ,direct service center in India,direct toll-free support number in India, own manufacturing facility in India		
30	OEM certifications: ISO 9001,ISO 14001,ISO 45001		
31	Product certification: CE, BICSI Corporate Member		
32	Product certification: RoHS		
33	Compliance as per directions of Engineer-in-Charge		
34	OEM must provide 25 year Performance warranty		
34	Make and Model:		

Note:

I.	Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.
II.	The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence
III.	The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.
IV.	At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.
V.	The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
VI.	The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.
VII.	The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.
VIII.	Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix-A, for the quoted items by the bidder as mention in NIT.

Supply and installation of 6U loaded network rack with mounting accessories, power strip, cooling fan, and complete fixing. including all accessories and as per the directions of the Engineer-in-Charge.

SL No: 18	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Supply and installation of 6U loaded network rack		
2	Rack height: 6U		
3	Rack suitable for mounting network switches, LIU, and accessories		

4	Floor-mounted / wall-mounted type as per site requirement		
5	Rack material: CRCA / steel construction		
6	Powder-coated finish for corrosion resistance		
7	Front door: Lockable glass / perforated metal		
8	Side panels: Removable		
9	Rear access provision		
10	Standard 19-inch mounting rails		
11	Mounting rails adjustable		
12	Power strip (PDU) provided		
13	PDU with adequate sockets and MCB		
14	Cooling fan unit provided		
15	Proper ventilation for heat dissipation		
16	Cable entry provision from top and bottom		
17	Earthing provision provided		
18	All mounting accessories included (nuts, bolts, screws, cage nuts)		
19	Rack leveling / wall-fixing accessories included		
20	Neat installation and complete fixing		
21	Testing for proper mounting and stability		
22	Compliance with site conditions		
23	Complete solution in all respects		
24	As per specifications and directions of Engineer-in-Charge		
25	Make and Model:		
Note:			
· The above technical specification compliance sheet must be duly filled, signed, and submitted by an authorized person from the bidder on the letterhead. This is mandatory for technical qualification.			

Supply, laying, dressing, termination, testing and commissioning of Cat-6 UTP LSZH cable			
SL No: 19	Minimum Technical Requirements	Compliance (Yes/No / Details)	Remarks
1	Supply, laying, dressing, termination, testing and commissioning of Cat-6 UTP LSZH cable		
2	Cable type: Category 6 Unshielded Twisted Pair (UTP), 4 Pair		
3	Integral cross-member pair separator for uniform impedance		
4	Characteristic impedance: 100 Ω		
5	Compliance with ANSI/TIA/EIA-568-D-2018		
6	Compliance with ISO/IEC 11801-1		
7	Compliance with ISO/IEC 61156-5		
8	Suitable for 10GBASE-T as per IEEE 802.3an (up to 500 MHz, 55 m)		
9	Guaranteed transmission performance for 1 Gbps		
10	Conductor material: Solid copper		
11	Conductor diameter: 0.555 \pm 0.01 mm (23 AWG)		
12	Insulation: Solid HD polyethylene		
13	Jacket type: LSZH		
14	Jacket compliance: IEC 60332-1-2, RoHS		
15	Jacket color: Grey / Blue		

16	Overall cable diameter: 6.0 ± 0.2 mm		
17	Operating temperature range: -20 °C to $+70$ °C		
18	Pulling force rating: ≥ 11.5 kg		
19	Bend radius (installation): $< 4 \times$ cable diameter		
20	Bend radius (operation): $< 4 \times$ cable diameter		
21	Conductor resistance: $< 9.38 \Omega / 100$ m		
22	Resistance unbalance: $\leq 5\%$		
23	Mutual capacitance: < 5.6 nF / 100 m		
24	Capacitance unbalance: ≤ 330 pF / 100 m		
25	Propagation velocity: $\geq 69\%$		
26	LSZH jacket tested by NABL / BIS accredited lab		
27	Cable UL listed		
28	Cable ETL verified		
29	ETL 4-connector channel test report for 100 m		
30	ETL 4-connector test report for short length (15 m)		
31	Zero Bit Error Test report submitted		
32	OEM must offer Make-in-India product		
33	All passive components (copper & fiber) from same OEM		
34	All passive items and components from same OEM		
35	OEM shall offer complete passive solution (copper + fiber)		
36	All passive Network items and components shall be from the same OEM		
37	OEM registered in India for minimum 10 years		
38	OEM shall be ESG rated , TIA/EIA 568-C.2 ; TIA/EIA 568-D.2 ; ISO/IEC 11801,RCDD-certified manpower in India ,direct service center in India,direct toll-free support number in India, own manufacturing facility in India		
39	OEM certifications: ISO 9001,ISO 14001,ISO 45001		
40	Product certification: CE , BICSI Corporate Member		
41	Product certification: RoHS		
42	Work includes pulling through conduits / trays		
43	Includes routing, dressing, tagging and ferruling		
44	Proper termination at both ends		
45	Compatible with specified active network hardware		
46	OEM must provide 25 year Performance warranty		

Note:

- I. Submission of a duly filled, OEM-signed and stamped Technical Specification Compliance Sheet is mandatory. The Compliance Sheet shall be submitted on the OEM's official letterhead and shall be signed by an authorized signatory of the OEM. Any bid not complying with this requirement shall be treated as technically non-responsive and shall be summarily rejected during the Technical Bid evaluation stage.
- II. The quoted product features must be supported by the OEM's official datasheet published on the OEM's website. Submission of the OEM datasheet along with the bid is mandatory. Non-submission or submission of unsupported/locally modified datasheets shall result in rejection of the bid as technically non-responsive at the Technical Bid stage, without any further correspondence
- III. The OEM shall submit Warranty and Test Certificates, duly issued on OEM letterhead and indicating the serial numbers of the supplied items, at the time of delivery. Failure to submit the same shall render the materials liable for rejection.
- IV. At the time of delivery, the successful bidder shall submit an OEM-issued Warranty Certificate and Test Certificate for the supplied products. The certificates shall be issued on the OEM's official letterhead and shall clearly mention the serial numbers of the respective products. Non-submission of the required certificates shall constitute a breach of contract and may lead to rejection of the supplied materials in accordance with tender conditions.
- V. The OEM shall not have been blacklisted or banned by any Central / State Government Department or PSU as on the date of tender submission. A self-declaration shall be submitted
- VI. The quoted product shall not be declared End-of-Life (EOL) or End-of-Support (EOS) as on the date of tender submission. An OEM declaration shall be submitted.
- VII. The OEM shall guarantee availability of spares for a minimum period of seven (7) years from the date of supply. An undertaking from the OEM shall be submitted along with the bid.

VIII. Manufacturer Authorization Certificates (MAF) from the respective Original Equipment Manufacturer (OEM), as per Appendix–A, for the quoted items by the bidder as mention in NIT.

Annexure – XI

MAKELIST OF MATERIALS

SL. NO.	Item Technical Specification	Approved Make
1	Supply, Installation, Testing & Commissioning of IP-Based ANPR (Automatic Number Plate Recognition) Camera – 5MP IP Bullet type, weatherproof housing, IR night vision, varifocal lens, supporting edge-based license plate detection with integrated software license. Includes mounting brackets, connectors, and accessories at Entry side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	Tyco, Honeywell Impact, Prama Or any equivalent make
2	Supply, Installation, Testing & Commissioning of IP-Based Long Range UHF Reader – capable of reading passive UHF RFID tags , integrated with access control/parking management system. Includes mounting brackets, cabling, connectors, power supply, and accessories at Entry and Exit side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	Zebra, Honeywell, Tyco Or any equivalent make
4	Supply, installation, testing and commissioning of a 2/4-meter automatic boom barrier system suitable for dedicated bike/two-wheeler lanes, equipped with an anti-fall safety radar sensor to prevent accidental lowering of the barrier during vehicle passage. The system shall include handheld remote controllers, control panel, safety sensors, mounting accessories, and complete civil foundation works at Entry side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	SmartPower,Gunnebo, Motwane Or any equivalent make
5	Supply, installation, testing, and commissioning of outdoor-grade 55" LED display board for real-time display of vehicle parking capacity indicating total capacity, occupied vehicles, and available slots. The display shall be suitable for continuous outdoor operation, integrated with parking management / ANPR / vehicle detection system. The scope shall include weatherproof housing, mounting structure, power supply, surge protection, communication interface , software configuration, interconnecting cables, testing, and commissioning, complete in all respects as per specifications, site conditions, and directions of the Engineer-in-Charge.	Samsung, Sony, LG Or any equivalent make
6	Supply, installation, testing, and commissioning of an industrial-grade IP-based access controller capable of controlling two-door or four-door equivalent channels, to be used for automatic boom barrier operations. The controller shall support integration with UHF RFID long-range readers, ANPR cameras, entry sensors, loop detectors, radar sensors, and provide real-time access decision making through a centralized server platform at Entry side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	SmartPower,Gunnebo, Motwane Or any equivalent make
7	Providing, installing, and configuring a centralized vehicle access management application (Central App) capable of integrating and controlling multiple boom barriers, UHF RFID long-range readers, and ANPR cameras. The application shall operate on an IP-based architecture, supporting real-time monitoring, automated access logic, event recording, and reporting for all entry/exit points. The system shall be accessible from authorized workstations within the network. App-Real-time vehicle tracking, automated gate and barrier control, license plate recognition, unauthorized vehicle restriction, integrated IoT device control, real-time parking space monitoring, automated parking guidance, overstay and parking duration alerts, smart barrier and sensor integration, centralized IoT device management, comprehensive reporting with downloadable logs, customizable analytics dashboard, real-time system metrics and heat maps, responsive multi-device user interface with live status updates. Complete in all respects as per specifications and directions of Engineer-in-Charge.	Logiscan,Milestone, Genetec Or any equivalent make

8	Supply, installation, configuration, and testing of Boom Barrier Access Control Application Server equipped with dual Intel Xeon Gold processors (16 cores, ≥ 3.2 GHz), 64 GB RAM, NVIDIA GPU (A2000 / RTX A4000 / A10 or equivalent), redundant (dual) power supply, Ubuntu OS (latest LTS), dual RJ45 Gigabit LAN ports, and standard connectivity interfaces (USB/HDMI/VGA), supplied complete with keyboard, mouse, 22-inch LED display, and Complete in all respects as per specifications and directions of Engineer-in-Charge	Fusionstor,Dell,Hp Or any equivalent make
9	SITC of Central Application Channel License enabling centralized integration, communication, and management of Boom Barriers, UHF RFID Readers, and ANPR Cameras. The scope includes license activation, system configuration, channel provisioning, device mapping, functional integration, testing, and final commissioning of the entire access control ecosystem. The license shall support real-time event handling, device synchronization, multi-device interoperability, and scalable expansion. Complete in all respects as per specifications and directions of Engineer-in-Charge	Logiscan,Milestone, Genetec Or any equivalent make
10	Supply, installation, testing, and commissioning of 8-Port 1G PoE 120w power budget Managed Network Switch with 2×Combo SFP uplink ports, complete in all respects as per specifications and directions of the Engineer-in-Charge	Digisol, HPE,NetGear Or any equivalent make
11	Supply and installation of LC–LC Duplex Single-Mode (SM) Patch Cord, complete in all respects as per specifications and directions of the Engineer-in-Charge	Genius , Panduit , Belden Or any equivalent make
12	Supply and installation of LIU 6 port loaded including fiber cable splicing as required complete in all respects as per specifications and directions of the Engineer-in-Charge	Genius , Panduit , Belden Or any equivalent make
13	Supply and laying of 6-Core SM Armoured OFC Cable with armored tape coating, suitable for outdoor underground installation, including termination and testing.	Genius , Panduit , Belden Or any equivalent make
14	SITC of 10G SFP Single-Mode (SM) optical transceiver module supporting 10 Gigabit Ethernet, LC interface, long-distance fiber connectivity, and full compatibility with OEM network switches. The item includes installation, testing, interoperability verification, and commissioning as required for the network infrastructure.”	Digisol, HPE,NetGear Or any equivalent make
15	Supply, installation, and fixing of 3-meter GI/MS pole with base plate and necessary accessories for mounting Radar, including mounting hardware, cabling support, alignment, testing, and commissioning. including foundation, cabling support, and complete fixing.	Tata Structura , Jindal ,Apollo Tubes , Bajaj , Or any equivalent make
16	Supply and laying of Access Control Cable suitable for RFID readers, controllers, sensors, and boom barrier interfaces, including routing, dressing, and termination.	Polycab , Finolex , Havells , KEI , RR Kabel
17	Supply and installation of Patch Cord, U/UTP, 4-Pair, Cat-6, Length 2 Meter	Genius , Panduit , Belden Or any equivalent make
18	Supply and installation of 6U loaded network rack with mounting accessories, power strip, cooling fan, and complete fixing. including all accessories and as per the directions of the Engineer-in-Charge.	NetRack , Valrack , Legrand / Schneider / Panduit, NXTAMP
19	Supply, laying, and dressing of Cat 6 UTP LSZH Cable. 4 Pair Cable with integral cross-member pair separator for uniform characteristic impedance. The work includes pulling through conduits/trays, routing, tagging, ferruling, and proper termination at both ends with compatibility to specified network hardware, including all accessories and as per the directions of the Engineer-in-Charge.	Genius , Panduit , Belden
20	Supplying and fixing of Double pole 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Schneider , L&T , Siemens , ABB , Legrand , Havells
21	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	
21.1	3 x 2.5 sq. mm	Polycab, Finolex , RR Kabel ,KEI , Havells
21.2	2 x 2.5 sq. mm	Polycab, Finolex , RR Kabel ,KEI , Havells

22	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.	
22.1	20 mm	AKG , Precision , Supreme , Polycab
23	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	
23.1	6 pin 15/16 A socket outlet	Anchor, Legrand ,Schneider , Havells , L&T
23.2	15/16 A switch	Anchor, Legrand ,Schneider , Havells , L&T
24	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.	
24.1	12 Module (200mmX150mm)	Anchor, Legrand ,Schneider , Havells , L&T
27	Supplying, installation, Testing & Commissioning of LED Flood Light, powder coated pressure die cast aluminum(System lumen efficacy >135 lm/Watt) 200 watt Flood Light , powder coated pressure die cast aluminum body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage:Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -15 deg to 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2 , P.F.≥0.95, IP-66,IK-10, CRI >80 , under voltage and over voltageprotection, EMI-EMC as per CISPR-15, lenses for beam angle 30 deg120deg as per the application and the project requirement deg., suitable tiltable fitting, life time (LED,Driver & electrical circuitry) of minimum 50000Burning Hours with 70% of initial Lumen maintained till life ends as perLM80 extrapolation IES TM-21-11 report , CCT 3000°K / 4000°K / 5700°K/6000°K/6500°K (As per ANSI Bin) , SDCM(Standard Deviation ColorMatching) <5, Maximum power consumption should not more than thespecified rating and Fixture shall be of relevant BIS standard complete inall respect i/c connections with 1.5 sq mm FRLS, PVC insulatedcopper conductor single core cable and earthing etc. as required withMinimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing requiredfor LED fixtures as per BIS shall be submitted. Shape size and CCT shall beas approved by Engineer-in-Charge as per requirement. (Thermalmanagement: heat sink of aluminum housing such that LED junctiontemperature shall not rise above 90°C)	Philips , Wipro , Bajaj , Havells

Note:

1. Make and models of all materials should get approved from the engineer in charge well before placing order to the OEM/Authorized dealer. The agency is required to submit all relevant test certificates/documents and samples along with the proposal. The model along with sample should be approved by Engineer -in - Charge before supply of same to the site. The decision of Engineer -in – Charge is binding in this regard and no variation is acceptable.
2. Make of one material in one subhead will be the approved make for the same material in another subhead if no make is mentioned separately. The quoted make and model shall comply with all specified technical Compliance parameters of the tender. Any deviation or non-compliance in the quoted make and model shall result in rejection of the bid.

Annexure – XII

Financial Bid

Name of Work: - “Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar.”

SL. NO.	Item Technical Specification	Qty	Unit	Rate(Rs)	Amount(Rs)	Remarks
1	Supply, Installation, Testing & Commissioning of IP-Based ANPR (Automatic Number Plate Recognition) Camera – 5MP IP Bullet type, weatherproof housing, IR night vision, varifocal lens, supporting edge-based license plate detection with integrated software license. Includes mounting brackets, connectors, and accessories at Entry side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	3	Each	₹ 46,417	₹ 1,39,251.00	LMR
2	Supply, Installation, Testing & Commissioning of IP-Based Long Range UHF Reader – capable of reading passive UHF RFID tags , integrated with access control/parking management system. Includes mounting brackets, cabling, connectors, power supply, and accessories at Entry and Exit side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	3	Each	₹ 90,100	₹ 2,70,300.00	LMR
3	Providing and supplying high-quality UHF RFID tags suitable for vehicle access control through Boom Barrier RFID Reader infrastructure. The RFID tags shall be long-range readable, tamper-resistant, and vehicle-mount type, ensuring reliable authentication for entry/exit management. The scope includes , configuration, and testing for seamless integration with the access control system. Complete in all respects as per specifications and directions of Engineer-in-Charge.	1000	Each	₹ 200	₹ 2,00,000.00	LMR
4	Supply, installation, testing and commissioning of a 2/4-meter automatic boom barrier system suitable for dedicated bike/two-wheeler lanes, equipped with an anti-fall safety radar sensor to prevent accidental lowering of the barrier during vehicle passage. The system shall include handheld remote controllers, control panel, safety sensors, mounting accessories, and complete civil foundation works at Entry side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	2	Nos.	₹ 1,40,727	₹ 2,81,454.00	LMR
5	Supply, installation, testing, and commissioning of outdoor-grade 55" LED display board for real-time display of vehicle parking capacity indicating total capacity, occupied vehicles, and available slots. The display shall be suitable for continuous outdoor operation, integrated with parking management / ANPR / vehicle detection system. The scope shall include weatherproof housing, mounting structure, power supply, surge protection, communication interface , software configuration, interconnecting cables, testing, and commissioning, complete in all respects as per specifications, site conditions, and directions of the Engineer-in-Charge.	1	Nos.	₹ 98,109	₹ 98,109.00	LMR

6	Supply, installation, testing, and commissioning of an industrial-grade IP-based access controller capable of controlling two-door or four-door equivalent channels, to be used for automatic boom barrier operations. The controller shall support integration with UHF RFID long-range readers, ANPR cameras, entry sensors, loop detectors, radar sensors, and provide real-time access decision making through a centralized server platform at Entry side of parking gate . Complete in all respects as per specifications and directions of Engineer-in-Charge.	1	Nos.	₹ 88,888	₹ 88,888.00	LMR
7	Providing, installing, and configuring a centralized vehicle access management application (Central App) capable of integrating and controlling multiple boom barriers, UHF RFID long-range readers, and ANPR cameras. The application shall operate on an IP-based architecture, supporting real-time monitoring, automated access logic, event recording, and reporting for all entry/exit points. The system shall be accessible from authorized workstations within the network. App-Real-time vehicle tracking, automated gate and barrier control, license plate recognition, unauthorized vehicle restriction, integrated IoT device control, real-time parking space monitoring, automated parking guidance, overstay and parking duration alerts, smart barrier and sensor integration, centralized IoT device management, comprehensive reporting with downloadable logs, customizable analytics dashboard, real-time system metrics and heat maps, responsive multi-device user interface with live status updates. Complete in all respects as per specifications and directions of Engineer-in-Charge.	1	Nos.	2,50,975.00	₹ 2,50,975.00	LMR
8	Supply, installation, configuration, and testing of Boom Barrier Access Control Application Server equipped with dual Intel Xeon Gold processors (16 cores, ≥3.2 GHz), 64 GB RAM, NVIDIA GPU (A2000 / RTX A4000 / A10 or equivalent), redundant (dual) power supply, Ubuntu OS (latest LTS), dual RJ45 Gigabit LAN ports, and standard connectivity interfaces (USB/HDMI/VGA) , supplied complete with keyboard, mouse, 22-inch LED display, and Complete in all respects as per specifications and directions of Engineer-in-Charge	1	Nos.	5,26,292.00	₹ 5,26,292.00	LMR
9	SITC of Central Application Channel License enabling centralized integration, communication, and management of Boom Barriers, UHF RFID Readers, and ANPR Cameras. The scope includes license activation, system configuration, channel provisioning, device mapping, functional integration, testing, and final commissioning of the entire access control ecosystem. The license shall support real-time event handling, device synchronization, multi-device interoperability, and scalable expansion. Complete in all respects as per specifications and directions of Engineer-in-Charge	8	Nos.	₹ 84,093	₹ 6,72,744.00	LMR
10	Supply, installation, testing, and commissioning of 8-Port 1G PoE Managed Network Switch with 2×SFP uplink ports, complete in all respects as per specifications and directions of the Engineer-in-Charge	2	Nos.	₹ 38,832	₹ 77,664.00	LMR
11	Supply and installation of LC–LC Duplex Single-Mode (SM) Patch Cord, complete in all respects as per specifications and directions of the Engineer-in-Charge	2	Nos.	₹ 2,303	₹ 4,606.00	LMR

12	Supply and installation of LIU 6 port loaded including fiber cable splicing as required complete in all respects as per specifications and directions of the Engineer-in-Charge	2	Nos.	₹ 11,012	₹ 22,024.00	LMR
13	Supply and laying of 6-Core SM Armoured OFC Cable with armored tape coating, suitable for outdoor underground installation, including termination and testing.	200	Meter	₹ 90	₹ 18,000.00	LMR
14	SITC of 10G SFP Single-Mode (SM) optical transceiver module supporting 10 Gigabit Ethernet, LC interface, long-distance fiber connectivity, and full compatibility with OEM network switches. The item includes installation, testing, interoperability verification, and commissioning as required for the network infrastructure.”	2	Nos.	₹ 25,028	₹ 50,056.00	LMR
15	Supply, installation, and fixing of 3-meter GI/MS pole with base plate and necessary accessories for mounting Radar, including mounting hardware, cabling support, alignment, testing, and commissioning. including foundation, cabling support, and complete fixing.	2	Nos.	₹ 21,715	₹ 43,430.00	LMR
16	Supply and laying of Access Control Cable suitable for RFID readers, controllers, sensors, and boom barrier interfaces, including routing, dressing, and termination.	50	Meter	₹ 236	₹ 11,800.00	LMR
17	Supply and installation of Patch Cord, U/UTP, 4-Pair, Cat-6, Length 2 Meter	15	Each	₹ 460	₹ 6,900.00	LMR
18	Supply and installation of 6U loaded network rack with mounting accessories, power strip, cooling fan, and complete fixing. including all accessories and as per the directions of the Engineer-in-Charge.	1	Each	₹ 11,812	₹ 11,812.00	LMR
19	Supply, laying, and dressing of Cat 6 UTP LSZH Cable. 4 Pair Cable with integral cross -member pair separator for uniform characteristic impedance.. The work includes pulling through conduits/trays, routing, tagging, ferruling, and proper termination at both ends with compatibility to specified network hardware, including all accessories and as per the directions of the Engineer-in-Charge.	150	Meter	₹ 77	₹ 11,550.00	LMR
20	Supplying and fixing of Double pole 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	3	Each	₹ 696	₹ 2,088.00	DSR (E&M)-2025 2.10.3
21	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
21.1	3 x 2.5 sq. mm	100	Meter	₹ 148	₹ 14,800.00	DSR (E&M)-2025 1.17.21
21.2	2 x 2.5 sq. mm	80	Meter	₹ 107	₹ 8,560.00	DSR (E&M)-2025 1.17.11
22	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.					

22.1	20 mm	180	Meter	₹ 151	₹ 27,180.00	DSR (E&M)-2025 1.21.1
23	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
23.1	6 pin 15/16 A socket outlet	12	Each	₹ 219	₹ 2,628.00	DSR (E&M)-2025 1.24.5
23.2	15/16 A switch	12	Each	₹ 176	₹ 2,112.00	DSR (E&M)-2025 1.24.3
24	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.					
24.1	12 Module (200mmX150mm)	3	Each	₹ 614	₹ 1,842.00	DSR (E&M)-2025 1.27.6
25	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	1	CUM	₹ 12,434	₹ 12,434.25	DSR (Civil)-2023 Volume-II 15.2.1
26	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	1	CUM	₹ 18,341	₹ 18,340.85	DSR (Civil)-2023 Volume-I 4.1.2
27	Supplying, installation, Testing & Commissioning of LED Flood Light, powder coated pressure die cast aluminum(System lumen efficacy >135 lm/Watt) 200 watt Flood Light , powder coated pressure die cast aluminum body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage:Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -15 degto 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2 , P. F.≥0.95, IP-66,IK-10, CRI >80 , under voltage and over voltage protection, EMI-EMC as per CISPR-15, lenses for beam angle 30 deg 20deg as per the application and the project requirement deg., suitable tilt able fitting, life time (LED,Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , SDCM(Standard Deviation Color Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty.	4	Each	₹ 5504	₹ 22,016.00	DSR (E&M) 2025 8.17.5

System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C)					
Total including GST				28,97,856.00	
Rupees Twenty-Eight Lakh Ninety-Seven Thousand Eight Hundred Fifty six Only					

PERFORMA FOR QUOTING RATES

Name of Work:- “Supply, Installation, Testing & Commissioning of IP-Based RFID and ANPR (Automatic Number Plate Recognition) Enabled Automatic Boom Barrier Access Control System for Basement Staff Parking area at Hospital Building, AIIMS Bhubaneswar..”	
e-NIT No: AIIMS/BBSR/ENGG/ELECT/16/2026	
Estimate Cost put to tender :- ₹ 28,97,856.00 (including GST) (**Rupees Twenty-Eight Lakh Ninety-Seven Thousand Eight Hundred Fifty six Only. **)	
Name of Contactor -	
Total Estimated Amount including of GST in Rs.	28,97,856.00 (including GST)
Percentage above/below the total estimated cost	<i>This is sample, Don't quote here</i>
% in words	<i>This is sample, Don't quote here</i>
Total Amount (Rs.) including GST	<i>This is sample, Don't quote here</i>

(Rupees *This is sample, Don't quote here* only)

Note: -

1. ***'L-1' shall be decided on composite basis of total amount.***
2. **LMR = To be read as Market Rate.**
3. The Bidder must submit Financial Bid in On-Line Mode.
4. I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same.
5. No other charges would be payable by the Institute.
6. Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
7. Agency must bring samples as per above preferred brands only and Engineer-In-Charge shall approve one sample out of the samples brought by the Agency. The Agency must use material of that approved sample only. No claim in this regard shall be entertained.
8. In case of non-availability of material of approved make, prior approval from Engineer-In-Charge shall be obtained for another make.
9. The quoted should be inclusive of GST as applicable.

I, the contractor certify that I am filling this template after understanding all the items of schedule of Quantity of e-NIT page no.-----

Name : _____

Business Address: _____

Signature of the Bidder: -

Date : _____

Place : Bhubaneswar

Seal of the Bidder _____

E-TENDERING INSTRUCTIONS TO BIDDERS

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION ON CPP PORTAL:

Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.

As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode / eMudhra etc.), with their profile.

Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.

Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER ENQUIRY DOCUMENT

There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.

The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

Bidder should consider any corrigendum published on the tender document before submitting their bids.

Please go through the tender advertisement and the Tender Enquiry Document carefully to understand the

documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

Bidder, in advance, should get ready the documents/BoQ to be uploaded as indicated in the Tender Enquiry Document and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Scanned documents to be uploaded may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document and resulting in fast uploading. It is the responsibility of the bidder to ensure that uploaded scanned documents are legible.

To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents has been provided to the bidders. Bidders can use “My Space” or ,“Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

Submission of Bids

Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Tender Enquiry document.

Bidder has to select the payment option as “offline” to pay the Bid Security/ EMD as applicable and enter details of the instrument.

Bidder should prepare the Bid Security/EMD as per the instructions specified in the Tender Enquiry Document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the Tender Enquiry Document. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers’ public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

The uploaded Tender/Bid shall become readable only after the tender opening by the authorized bid openers. Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no.

and the date & time of submission of the bid with all other relevant details.

The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

Any queries relating to the Tender Enquiry Document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the NIT. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.