Section IV – Contents of Bid

**TABLE OF CONTENTS**

[**1.** **PROPOSAL SUBMISSION CHECKLIST** 2](#_Toc351550412)

[Checklist 1 – Pre-Qualification Bid Checklist 2](#_Toc351550413)

[Checklist 2 – Technical Bid Checklist 3](#_Toc351550414)

[Checklist 3 – Commercial Bid Checklist 4](#_Toc351550415)

[**2.** **PRE - QUALIFICATION BID** 5](#_Toc351550416)

[PREQUAL 4.1.1: Prime Bidder/ Consortium Partner/Subcontracting Agency 5](#_Toc351550417)

[B: Consortium Partner/Subcontracting Agency ( If applicable) 5](#_Toc351550418)

[PREQUAL 4.1.2: Pre - Qualification Bid Letter 7](#_Toc351550419)

[PREQUAL 4.1.3: Bidder Pre-Qualification Criteria 9](#_Toc351550420)

[PREQUAL 4.1.4: Bid Document Fee 11](#_Toc351550421)

[PREQUAL 4.1.5: Earnest Money Deposit 11](#_Toc351550422)

[PREQUAL 4.1.6: Power of Attorney 11](#_Toc351550423)

[PREQUAL 4.1.7: Letter of Undertaking from the Bidder 11](#_Toc351550424)

[PREQUAL 4.1.8: Non-disclosure of Agreement 11](#_Toc351550425)

[**3.** **TECHNICAL BID** 12](#_Toc351550426)

[TECH 4.2.1 Prime Bidder/ Consortium Partner/Subcontracting Agency 12](#_Toc351550427)

[TECH 4.2.2: Technical Bid Letter 14](#_Toc351550428)

[TECH 4.2.3: Minimum Requirements Compliance 16](#_Toc351550429)

[TECH 4.2.4: Project Plan for Deliverables 25](#_Toc351550430)

[TECH 4.2.5: Escalation Matrix 26](#_Toc351550431)

[TECH 4.2.6: List of Documents to Be Submitted By DCSP for the proposed Data Center 27](#_Toc351550432)

[TECH 4.2.7: Response Sheet 29](#_Toc351550433)

[TECH 4.2.8: Details of Litigation (s) 43](#_Toc351550434)

[TECH 4.2.9: Statement of Deviations from General Terms & Conditions 44](#_Toc351550435)

[TECH 4.2.10: Statement of Deviations from Schedule of Requirements 45](#_Toc351550436)

[TECH 4.2.11: Blank Copy of the Commercial Bid Form 46](#_Toc351550437)

[**4.** **COMMERCIAL BID** 47](#_Toc351550438)

[COMM 4.3.1: Bidder Profile 47](#_Toc351550439)

[COMM 4.3.2: Commercial Bid Letter 48](#_Toc351550440)

[COMM 4.3.3: Detailed Cost Sheet 50](#_Toc351550441)

## **PROPOSAL SUBMISSION CHECKLIST**

The Bidders are advised in their own interest to ensure that the following points/aspects in particular have been complied with in their bid.

1. Please tick whichever is applicable and cross whichever is/are not applicable.
2. Please sign each sheet.
3. The checklist duly filled and signed must be returned along with the bid.

### Checklist 1 – Pre-Qualification Bid Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Component of Pre-Qualification Document | Yes | No | Remarks/ Reference in DCSP’s Pre-Qualification Bid |
| 1 | Has Bidder Profile (Section IV, PREQUAL 4.1.1) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 2 | Has a Pre-Qualification Bid Letter (**Section IV, PREQUAL 4.1.2**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 3 | Has Bidder Pre-Qualification Criteria document (**Section IV, PREQUAL 4.1.3**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 4 | Has **an EMD** of the prescribed amount and validity as stipulated in Clause 12 - Section II been attached and signed by the authorized signatory? |  |  |  |
| 5 | Has **Bid Document Fee** Demanddraft of the prescribed amount and validity as stipulated in Clause 1.1 - Section II been attached and signed by the authorized signatory? |  |  |  |
| 6 | Has the Notarized **Power of Attorney** executed by the **Bidder** in favor of the Principal Officer or the duly Authorized Representative, certifying him/her as an authorized signatory for the purpose of this Bid been attached and signed by the authorized signatory? |  |  |  |
| 7 | Has the Undertaking from the Bidder, confirming his unconditional **acceptance of full responsibility** for executing the ‘Scope of Work’ and meeting all obligations of this Bid been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 8 | Has a **Non-Disclosure Agreement** executed individually by all members of the consortium (Section VI, Appendix D) been attached and duly filled and signed by the authorized signatory? |  |  |  |

### Checklist 2 – Technical Bid Checklist

| S. No. | Component of Technical Bid | Yes | No | Remarks/ Reference in DCSP’s Technical Bid |
| --- | --- | --- | --- | --- |
| 1 | Has the Bidder Profile **(Section IV, TECH 4.2.1)** been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 2 | Has the Technical Bid Letter (**Section IV, TECH 4.2.2**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 3 | Has the Minimum Requirements Compliance (**Section IV, TECH 4.2.3**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 4 | Has the Project Plan for Deliverables (**Section IV, TECH 4.2.4**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 5 | Has the Escalation Matrix (**Section IV, TECH 4.2.5**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 6 | Has the List of Documents to be submitted by DCSP (**Section IV, TECH 4.2.6**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 7 | Has the Response Sheet (**Section IV, TECH 4.2.7**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 8 | Has the Details of Litigation (**Section IV, TECH 4.2.8**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 9 | Has the Statement of Deviations from General Terms & Conditions of the contract (**Section IV, TECH 4.2.9)** been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 10 | Has the Statement of Deviations from Schedule of Requirements **(Section IV, TECH 4.2.10)** been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 11 | Has a **blank copy of the Commercial Bid** been enclosed with the Technical Bid with the price column of the Commercial Bid format blanked out and a tick mark () provided against each item of the Commercial Bid Format to indicate that there is a quote against this item in the Commercial Bid. **(Section IV, TECH 4.2.11)** |  |  |  |

### 

### Checklist 3 – Commercial Bid Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Component of Commercial Bid | Yes | No | Remarks/ Reference in DCSP’s Commercial Bid |
| 1 | Has the Bidder Profile (**Section IV, COMM 4.3.1**) been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 2 | Has the Commercial Bid Letter (**Section IV, COMM 4.3.2)** been attached and duly filled and signed by the authorized signatory? |  |  |  |
| 3 | Has the Detailed Cost Sheet – Summary Sheet and Tables I, II, III (**Section IV, COMM 4.3.3**) been attached and duly filled and signed by the authorized signatory? |  |  |  |

# 

## **PRE - QUALIFICATION BID**

### PREQUAL 4.1.1: Prime Bidder/ Consortium Partner/Subcontracting Agency

The details are required to be submitted with the Pre-qualification bid,

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at Bengaluru).** | | | | |
| **A: Prime Bidder’s Profile** | | | | |
| 1 | | Name of the Bidder | |  |
| 2 | | Address of the Bidder’s Registered Office in India | |  |
| 3 | | Year of establishment of organization | |  |
| 4 | | Bid number and date | |  |
| 5 | | Name of the person to whom all references shall be made regarding this bid | |  |
| 6 | | Designation of the person to whom all references shall be made regarding this bid | |  |
| 7 | | Mailing Address of the person to whom all references shall be made regarding this bid | |  |
| 8 | | Telephone No. (with STD Code) | |  |
| 9 | | E-Mail of the contact person: | |  |
| 10 | | Fax No. (with STD Code) | |  |
| 11 | | Address of the Proposed Data Center Location | |  |
| B: Consortium Partner/Subcontracting Agency ( If applicable) | | | | |
| 1 | Name of the Member | |  | |
| 2 | Address of the Member’s Registered Office in India | |  | |
| 3 | Year of establishment of organization | |  | |
| 4 | Role of the Member in this Bid | |  | |
| 5 | Name of the person to whom all references shall be made regarding this bid | |  | |
| 6 | Designation of the person to whom all references shall be made regarding this bid | |  | |
| 7 | Mailing Address of the person to whom all references shall be made regarding this bid | |  | |
| 8 | Telephone No. (with STD Code) | |  | |
| 9 | E-Mail of the contact person | |  | |
| 10 | Fax No. (with STD Code) | |  | |
| 11 | Address of the Proposed Data Center Location | |  | |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------------**

### PREQUAL 4.1.2: Pre - Qualification Bid Letter

To,

The Director General and Mission Director

UIDAI, Planning Commission,

3rd Floor, Parliament Street

New Delhi – 110001

Sir,

**Sub: “Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at Bengaluru**

**Ref: Bid No.:**

1. We, the undersigned Bidder/s, having read and examined in detail all the bidding documents with respect to “**"Hiring of Data Centre space & Facilities for Unique Identification Authority of India (UIDAI) at Bengaluru).”** Do hereby propose to provide the services specified in the bid document.
2. **Earnest Money Deposit (EMD)**

We have enclosed an EMD in the proforma as per the EMD form in the form of a bank guarantee for a sum of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** This EMD is liable to be forfeited in accordance with the provisions of bid documents.

1. **DEVIATIONS**

We declare that all the services shall be performed strictly in accordance with the bid documents except for the variations and deviations, all of which have been detailed out exhaustively in the following statements, irrespective of whatever has been stated to the contrary anywhere else in our bid:

* 1. Statement of Deviations from General Terms and Conditions of the contract **(TECH 4.2.9)**
  2. Statement of Deviations from Schedule of Requirements **(TECH 4.2.10)**

Further we agree that additional conditions, if any, found in the bid documents, other than those stated in deviation schedule, shall not be given effect to.

1. **QUALIFYING DATA**

We confirm having submitted the information as required by you in your Instruction to Bidders. This is enclosed in **TECH 4.1.1 to TECH 4.1.11, Section IV**. In case you require any other further information/documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.

1. **CONTRACT PERFORMANCE GUARANTEE**

We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed at **Appendix B of Section VI** as specified in **Clause 33 of Section III.**

1. We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

1. We understand that our bid is binding on us and that you are not bound to accept a Bid you receive.

Thanking you,

Yours faithfully,

|  |  |
| --- | --- |
| Seal.  Date:  Place:  Business Address: | (Signature of the Bidder)  Printed Name:  Designation: |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------------**

### PREQUAL 4.1.3: Bidder Pre-Qualification Criteria

The prospective Bidder shall have to enclose along with the letter describing the Pre-qualifying Technical Competence, documentary evidence in support of following criteria,

| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at Bengaluru** | | | | |
| --- | --- | --- | --- | --- |
| **S. N.** | **Description** | **Proof** | **Whether attached ( Yes/No)** | **Reference Page No. in Bidder’s response** |
| 1 | The Bidder should be a Company registered in India under the Companies Act, 1956 and be in business for last three years ending 31/03/2013. | Copy of the Certificate of incorporation and amendment if any thereof |  |  |
| 2 | The Bidder should be in business of Data Center services for a minimum duration of two years and should have minimum annual turnover of Rs.100 Crore in each of the last three financial years ending 31/03/2013. | Audited Financial Statements  Balance sheets and P&L statements for last two years |  |  |
| 3 | The bidder should have minimum annual revenue of Rs. 15 Crore from Data center related services in each of the last two financial years ending 31/03/2013. | Self declaration certificate duly certified by CEO/CFO/MD of the Bidder’s organisation |  |  |
| 4 | The bidder should currently have operational Data Center collocation space of cumulative  5, 000 sq. feet (Space of IT Racks, PAHUs and PDU) for commercial use. | Self declaration certificate duly certified by CEO/CFO/MD of the Bidder’s organization mentioning the address of the respective DC sites |  |  |
| 5 | The bidder should have hosted data center collocation space for minimum 2 customers and each customer availing at least 500 Sq feet DC space (Space of IT Racks,PAHUs and PDU) for a period of at least six (6) months on date of opening of pre-qualification bid.  Note- In case of consortium, then each party Bidder and Consortium partner should have minimum one customer availing at least 500 sq.ft DC space (Space of IT Racks,PAHUs and PDU) for a period of at least six (6) months on date of opening of pre-qualification bid. | Self declaration certificate duly certified by CEO/CFO/MD of the Bidder’s organization mentioning the name of its customers , start date and duration of contract |  |  |
| 6 | The proposed data centre ready space should preferrably be contiguous on same floor or on maximum two floors adjacent to each other or one above the other with common services shaft.  The support area space proposed should be in same data center building however office area can be in other building but should be in same campus/premises. | Data Center Layout with indicating the respective rooms proposed for DC and support areas as per UIDAI’s requirement and the layout shall be duly certified by CEO/CFO/MD of the organization.  Sanction Power approval certificate from Electricity supplier company and an undertaking duly certified by the bidder’s MD/CEO/CFO to make available sanctioned load for the UIDAI’s data center at the time of the award of contract.  Bidder shall also provide details of current load utilization and available spare capacity (kVA) which is sufficient for UIDAI’s load requirement. |  |  |
| 7 | Bidder’s services/contract should not have been terminated by any Ministry/Department of the Govt of India or by any State Government during the last three financial years on account of their default/negligence.  Bidder’s should not have been blacklisted by any Ministry/department of the Govt of India dia or by any State Government | Bidder shall submit undertaking referring the eligibility criteria no-7 which should be duly signed by MD/CEO/CFO of its organization |  |  |

Note:

* Government/PSU organization, which are in the business of providing data center collocation space are eligible to bid subject to availability of ready data center space and support area as per the RFP requirement.
* The Prime Bidder or its Consortium Member or Subcontracting agency must be the Sole Owner or lessee of the whole building/Floor in which the data center and support area space proposed.
* The DCSP will in the ordinary course be permitted to appoint any delegate/subcontractor to enable execution of the Schedule of Requirements as stipulated under the Contract. Provided that such a delegate/subcontractor meets the technical pre-qualifications (Sr. 5 & 6 of clause-19, Sec-II, Eligibility Crieria) prescribed by the Purchaser

### PREQUAL 4.1.4: Bid Document Fee

Refer Clause 1.1 of Section II

### PREQUAL 4.1.5: Earnest Money Deposit

EMD in the form of a Bank Guarantee (Section VI, Appendix A)

### PREQUAL 4.1.6: Power of Attorney

Refer Clause 7.1 (f) of Section II

### 

### PREQUAL 4.1.7: Letter of Undertaking from the Bidder

### 

Refer Clause 7.1 (g) of Section II

### PREQUAL 4.1.8: Non-disclosure of Agreement

Refer Clause 7.1 (h) of Section II

## **TECHNICAL BID**

### TECH 4.2.1 Prime Bidder/ Consortium Partner/Subcontracting Agency

The prime bidder/ Profile of Member who’s space hired by Bidder details are required to be submitted with the Technical Bid,

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at Bengaluru** | | | | |
| **A: Prime Bidder’s Profile** | | | | |
| 1 | | Name of the Bidder | |  |
| 2 | | Address of the Bidder’s Registered Office in India | |  |
| 3 | | Year of establishment of organization | |  |
| 4 | | Bid number and date | |  |
| 5 | | Name of the person to whom all references shall be made regarding this bid | |  |
| 6 | | Designation of the person to whom all references shall be made regarding this bid | |  |
| 7 | | Mailing Address of the person to whom all references shall be made regarding this bid | |  |
| 8 | | Telephone No. (with STD Code) | |  |
| 9 | | E-Mail of the contact person: | |  |
| 10 | | Fax No. (with STD Code) | |  |
| 11 | | Address of the Proposed Data Center Location | |  |
| **B: Profile of**  **Consortium Partner/Subcontracting Agency ( If applicable)** | | | | |
| 1 | Name of the Member | |  | |
| 2 | Address of the Member’s Registered Office in India | |  | |
| 3 | Year of establishment of organization | |  | |
| 4 | Role of the Member in this Bid | |  | |
| 5 | Name of the person to whom all references shall be made regarding this bid | |  | |
| 6 | Designation of the person to whom all references shall be made regarding this bid | |  | |
| 7 | Mailing Address of the person to whom all references shall be made regarding this bid | |  | |
| 8 | Telephone No. (with STD Code) | |  | |
| 9 | E-Mail of the contact person | |  | |
| 10 | Fax No. (with STD Code) | |  | |
| 11 | Address of the Proposed Data Center Location | |  | |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------------**

### TECH 4.2.2: Technical Bid Letter

To,

The Director General and Mission Director

UIDAI, Planning Commission,

3rd Floor, Parliament Street

New Delhi – 110001

Sir,

**Sub: “Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at Bengaluru**

**Ref: Bid No.:**

1. We, the undersigned Bidder/s, having read and examined in detail all the bidding documents with respect to “**"Hiring of Data Centre space & Facilities for Unique Identification Authority of India (UIDAI) at Bengaluru.** Do hereby propose to provide the services specified in the bid document.
2. **EARNEST MONEY DEPOSIT (EMD)**

We have enclosed an **EMD** in the proforma as per the **EMD** form in the form of a bank guarantee for a sum of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** This **EMD** is liable to be forfeited in accordance with the provisions of bid documents.

1. **DEVIATIONS**

We declare that all the services shall be performed strictly in accordance with the bid documents except for the variations and deviations, all of which have been detailed out exhaustively in the following statements, irrespective of whatever has been stated to the contrary anywhere else in our bid:

* 1. Statement of Deviations from General Terms and Conditions of the contract **(TECH 4.2.9)**
  2. Statement of Deviations from Schedule of Requirements **(TECH 4.2.10)**

Further we agree that additional conditions, if any, found in the bid documents, other than those stated in deviation schedule, shall not be given effect to.

1. **QUALIFYING DATA**

We confirm having submitted the information as required by you in your Instruction to Bidders. This is enclosed in **TECH 4.1.1 to TECH 4.1.11, Section IV**. In case you require any other further information/documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.

1. **CONTRACT PERFORMANCE GUARANTEE**

We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed at **Appendix B of Section VI** as specified in **Clause 33 of Section III.**

1. We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

1. We understand that our bid is binding on us and that you are not bound to accept a Bid you receive.

Thanking you,

Yours faithfully,

|  |  |
| --- | --- |
| Seal.  Date:  Place:  Business Address: | (Signature of the Bidder)  Printed Name:  Designation: |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------------**

### TECH 4.2.3: Minimum Requirements Compliance

The Bidder shall comply to each the minimum requirement and provide the details along with relevant supporting documentation if applicable.

DCSP shall submit the compliance report and the report shall provide the compliance & deviation (if any) that the proposed Data Center meets the criteria as per technical specification, minimum requirement, schedule of requirement and other technical requirement as stipulated by UIDAI in the RFP

The tables given below describes the DCSP solution compliance against the requirements mentioned in Section 5 – Schedule of requirement (Technical Specification and Minimum Requirement).

In case of any deviations, please use the Deviation format attached as Tech **4.2.10** in Section IV.

For any clause under consideration even if one of the sub-parameter/sub-clauses is not complied by the Bidder, the Bidder shall mention “NO” under the respective compliance section giving out the details of the non-compliance in the Remarks column. The only response under the compliance column can be a “YES” or “No”. Please do not leave the field blank or use words such as “partially complied”. Any such response shall be treated as Non-Compliance.

| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI)** | | | | |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Technical Specification & Minimum requirement (Clause Ref No ,Section V)** | **Description** | **Compliance Yes/No** | **Remarks/Details** |
| 1 | 5.1 | General Technical |  |  |
| 2 | 5.2 | Architectural and Structural |  |  |
| 3 | 5.2.1 | Location |  |  |
| 4 | 5.2.2 | Building |  |  |
| 5 | 5.3 | Data Center Space(IT Production Area) |  |  |
| 6 | 5.4 | Communication Room |  |  |
| 7 | 5.5 | Staging Room |  |  |
| 8 | 5.6 | Secure Storage Space(Store Room) |  |  |
| 9 | 5.7 | Office Space |  |  |
| 10 | 5.8 | Media Storage Room |  |  |
| 11 | 5.9 | Services/Utility Room |  |  |
| 12 | 5.10 | Electrical Systems |  |  |
| 13 | 5.10.1 | Power |  |  |
| 14 | 5.10.2 | Transformer |  |  |
| 15 | 5.10.3 | Diesel Generator |  |  |
| 16 | 5.10.4 | Main LT Distribution Panel |  |  |
| 17 | 5.10.5 | Un-Interruptible Power Supply (UPS) |  |  |
| 18 | 5.10.6 | Distribution Panels and Rack Distribution |  |  |
| 19 | 5.10.7 | Earthing |  |  |
| 20 | 5.10.8 | Lighting |  |  |
| 21 | 5.11 | Heat Ventilation and Air-Conditioning |  |  |
| 22 | 5.11.1 | Comfort HVAC |  |  |
| 23 | 5.11.2 | Computer Room Precision Air Conditioning Units |  |  |
| 24 | 5.12 | Fire Alarm and Fire Suppression System |  |  |
| 25 | 5.12.1 | Fire Detection and Alarm System |  |  |
| 26 | 5.12.2 | Gas Based Automatic fire Suppression System |  |  |
| 27 | 5.13 | Security Systems |  |  |
| 28 | 5.13.1 | Access Control System |  |  |
| 29 | 5.13.2 | Closed Circuit Tele Vision System(CCTV) |  |  |
| 30 | 5.13.3 | Physical Security |  |  |
| 31 | 5.14 | BMS System |  |  |
| 32 | 5.15 | Network Setup & Racks |  |  |
| 33 | 5.16 | LAN Cabling |  |  |
| 34 | 5.16.1 | Structured Fiber Cabling |  |  |
| 35 | 5.16.2 | Structured Copper Cabling |  |  |
| 36 | 5.17 | Other Requirement |  |  |
| 37 | 5.18 | Facility Management and O&M Team |  |  |
| 38 | 5.19 | Operational Requirements |  |  |

| **Structured Fiber Cabling** | | | | |
| --- | --- | --- | --- | --- |
| **Sl No** | **Parameters** | **Minimum Requirements** | **Compliance for Minimum Requirements (indicate YES/NO)** | **Tenderer's Response (Please mention, deviations if any)** |
| 1 | **Fiber Cable** |  |  |  |
| A | Cable Type | 6-core, Multimode, 50/125 um (OM3), Indoor OFC |  |  |
| B | Fiber Type | 50/125, Laser Grade, Primary coated buffers |  |  |
| C | Number of Cores | 6 |  |  |
| D | Fiber Attenuation |  |  |  |
| E | @850nm | <=2.7 dB/ KM |  |  |
| F | @1300nm | <=.7db /KM |  |  |
| G | Bandwidth |  |  |  |
| g.1 | @850nm | >1500 MHz-KM |  |  |
| g.2 | @1300nm | >500 MHz-KM |  |  |
| H | Tensile Rating | 1000N |  |  |
| I | Maximum Crush Resistance | 2000N |  |  |
| J | Operating Temperature | -20 Degree C to +70 Degree C |  |  |
| K | Outer Jacket | LSZH |  |  |
| L | Should Comply below mentioned standards |  |  |  |
| 1.1 | Fire Propagation | IEC 3321 and 332-3 |  |  |
| 1.2 | Flammability | IEC 1034 |  |  |
| 1.3 | smoke Emission | IEC 1034 |  |  |
| 1.4 | Acid Gas Emission | IEC 754-1 |  |  |
| 1.5 | Toxicity | NES 73 |  |  |
| 1.6 | Water Absorption | IEC 811-1-3 (<2mg/cm2 10 days @ 70 Degree C) |  |  |
| M | ROHS | ROHS/ELV Compliant |  |  |
| N | Cable Color |  |  |  |
| **2** | **Fiberoptic LIU-1U** |  |  |  |
| A | Connector Type | SC/LC Style, Duplex |  |  |
| B | Operating Temperature | -40 Degree C to +85 Degree C |  |  |
| C | Durability and Color |  |  |  |
| D | MM Connectors | 500 Cycles, Beige |  |  |
| E | SM Connectors | 220 Cycle, Blue |  |  |
| F | Ferrules | Pre-radiused Ceramic Ferrules |  |  |
| 9 | Attenuation | Not more than .75 DB per Mated Pair |  |  |
| H | Fiber Optic Patch Panels |  |  |  |
| I | FMS-Front Patching/Splicing Shelf | 1U + 19" ETSI Version a Available |  |  |
|  |  | The FMS Fiber Management Shelf series is ideal for high density front patching applications |  |  |
|  |  | Its compact design and high density capacity allows it to deliver carrier class fiber management to central offices, POP, FTTx, mobile systems and LANs. |  |  |
|  |  | High Density |  |  |
|  |  | 1U: 24 (SC) / 1U:48 (LC) Fibre Terminations |  |  |
|  |  | Should be supplied loaded with secondary Coated SC/LC pigtails |  |  |
|  | Drawer concept allows for | Mounting brackets cab be placed in different positions |  |  |
|  |  | Easy Access to splicing tray |  |  |
|  |  | Easy access to back side of connector |  |  |
|  |  | trays with higges (book type) which allows facilities easy fiber management and greater access during installation and rework |  |  |
| J |  | Fiber guides, radius controls and secure tie downs provided |  |  |
| K | Dimensions | Width -450mm and Depth 280mm, height -44mm |  |  |
| L | Color | RAL 7035 /Black |  |  |
| **3** | **Fiber Optic LIU-2U** |  |  |  |
| A | Connector Type | SC/LC Style, Duplex |  |  |
| B | Operating Temperature | -40 Degree C to +85 Degree C |  |  |
| C | Durability and Color |  |  |  |
| D | MM Connectors | 500 Cycles, Beige |  |  |
| E | SM Connectors | 220 Cycle, Blue |  |  |
| F | Ferrules | Pre-radiused Ceramic Ferrules |  |  |
| G | Attenuation | Not more than .75 DB per Mated Pair |  |  |
| H | Fiber Optic Patch Panels |  |  |  |
| I | FMS-Front Patching/Splicing Shelf | 2U + 19" ETSI Version a Available |  |  |
| i.1 |  | The FMS Fiber Management Shelf series is ideal for high density front patching applications |  |  |
| i.2 |  | Its compact design and high density capacity allows it to deliver carrier class fiber management to central offices, POP, FTTx, mobile systems and LANs. |  |  |
| i.3 |  | High Density |  |  |
| i.4 |  | 2U: 96 Fiber Terminations |  |  |
| i.5 |  | Should be supplied loaded with secondary Coated SC pigtails |  |  |
| i.6 |  | Mounting brackets cab be placed in different positions |  |  |
| j.1 | Drawer concept allows for | Easy Access to splicing tray |  |  |
| j.2 |  | Easy access to back side of connector |  |  |
| j.3 |  | trays with higges (book type) which allows facilities easy fiber management and greater access during installation and rework |  |  |
| j.4 |  | Fiber guides, radius controls and secure tie downs provided |  |  |
| K | Dimensions | Width -450mm and Depth 280mm, height -44mmx2 |  |  |
| L | Color | RAL 7035 /Black |  |  |
| **4** | **Fiber Optic Patch SC-SCMM** |  |  |  |
| A | Make and Type | SC to SC Duplex Fiber Optic Patch Cord with SC Pigtail pre terminated and compatible with SC snap in adapter plates, 50/125 Micron OM2/OM3 |  |  |
| B | Cable Sheath | LSZH |  |  |
| C | Cable Diameter | 2.5mm twin zip |  |  |
| D | Ferrule | Ceramic |  |  |
| E | Buffer | .9mm easy strip |  |  |
| F | Insertion Loss | MAX .3db |  |  |
| G | Return Loss | >20db |  |  |
| H | Temparature Range | Minus -10 Degree C to +60 Degree C |  |  |
| I | ROHS | ROHS/ELV Compliant |  |  |
| **5** | **Fiber Optic SC-LC/LC-LC MM** |  |  |  |
| A | Make and Type | SC to SC/LC-LC Duplex Fiber Optic Patch Cord , 50/125 Micron OM2/OM3 |  |  |
| B | Cable Sheath | LSZH |  |  |
| C | Cable Diameter | 1.8mm twin zip |  |  |
| D | Ferrule | Ceramic |  |  |
| E | Buffer | .6mm easy strip |  |  |
| F | Insertion Loss | MAX .3db |  |  |
| G | Return Loss | >20db |  |  |
| H | Temperature Range | Minus -10 Degree C to +60 Degree C |  |  |
| I | ROHS | ROHS/ELV Compliant |  |  |

| **Structured Copper Cabling** | | | | |
| --- | --- | --- | --- | --- |
| **Sl N o** | **Parameters** | **Minimum Requirements** | **Compliance for Minimum Requirements (indicate YES/NO)** | **Tenderer's Response (Please mention deviations, if any** |
| **1** | **Copper Cable** |  |  |  |
| A | The horizontal cables should be 4-pair unshielded twisted pair (UTP) meeting Category6A specifications. | Yes |  |  |
| B | The cable should be of 4 twisted pairs of 23 AWG solid conductors with a Non-lead, flame retardant, PVC jacket. | Yes |  |  |
| C | 4 pair Riser cable must be with a oblique elliptical offset filler/Equivalent for improved Alien Crosstalk & high speed data links suitable for use up to 10 Gigabit transmission speeds. | Yes |  |  |
| D | Insulation Material | Polyolefin/Equivalent |  |  |
| E | Separator | Flame Retardant Polyolefin/Equivalent |  |  |
| F | Electrical Performance |  |  |  |
|  |  | Conductor DC resistance @ 20°C (max )9.38W/ 100m |  |  |
|  |  | DC resistance Unbalance (max) 2% |  |  |
|  |  | Mutual Capacitance @ 20°C (max) 5.6 nF/100m |  |  |
|  |  | Nominal Velocity of Propagation 65% |  |  |
|  |  | Attenuation at 550 MHz 45.6 dB |  |  |
|  |  | Return Loss at 550 MHz 29.2 dB |  |  |
|  |  | ACRat 550 MHz 3.8 dB |  |  |
|  |  | PSACR at 550 MHz -2.5 dB |  |  |
|  |  | NEXT at 550 MHz 49.9 dB |  |  |
|  |  | PSNEXT at 550 MHz 43.1 dB |  |  |
|  |  | ELFEXT at 550 MHz 22.0 dB |  |  |
|  |  | PSELFEXT at 550 Mhz 15.0 dB |  |  |
| G | Thermal Characteristics | Operating temperature -20 to +75 °C |  |  |
| H | Mechanical Characteristics :Minimum Bending Radius |  |  |  |
|  |  | During Installation |  |  |
|  |  | After Installation |  |  |
|  |  | Maximum Pulling Tension |  |  |
| I | Telecommunication Outlet Support | Multivendor Cat6A unshielded Jack compatibility |  |  |
| **2 10G-24 Port Patch Panel** | | | | |
| A | The Cat6A patch panel should be capable of transmitting 10GB Ethernet over 100m channel | Yes |  |  |
| B | The patch panel should be made of polymer material (Metal frame not allowed) to reduce alien cross talk | Yes |  |  |
| C | Patch panel should be available in 1U | 1U/24 Ports or equivalents |  |  |
| D | Patch panel should have information outlet assembled in two different level (Step design) and with staggered arrangement to reduce alien cross talk | Yes |  |  |
| E | Should have Comprehensive individual port numbering on front and rear | Yes |  |  |
| F | Patch panel must be supplied with Rear cable management as a standard accessory and this should only occupy the same space as the panel | Yes |  |  |
| G | Material Construction | Moulded glass filled polyphenylene sulfide/equivalent |  |  |
| H | Operating temperature range: | -10°C to + 70°C |  |  |
| I | Flammability Rating: | UL94V-0 |  |  |
| J | Safety Rating: | UL 1863 |  |  |
| K | Compliance | TIA-568.B.2-10 IOS/IEC 11801 ed 2.1 |  |  |
| L | Compatible with both Copper and Fiber Jacks | 10G copper and fiber outlets |  |  |
| **3** | **10G-48Port Patch Panel** |  |  |  |
| A | The Cat6A patch panel should be capable of transmitting 10GB Ethernet over 100m channel | Yes |  |  |
| B | The patch panel should be made of polymer material (Metal frame not allowed) to reduce alien cross talk | Yes |  |  |
| C | Patch panel should be available in 2U | 2U/48 Ports or equivalents |  |  |
| D | Patch panel should have information outlet assembled in two different level (Step design) and with staggered arrangement to reduce alien cross talk | Yes |  |  |
| E | Should have Comprehensive individual port numbering on front and rear | Yes |  |  |
| F | Patch panel must be supplied with Rear cable management as a standard accessory and this should only occupy the same space as the panel | Yes |  |  |
| G | Material Construction | Moulded glass filled polyphenylene sulfide/equivalent |  |  |
| H | Operating temperature range: | -10°C to + 70°C |  |  |
| I | Flammability Rating: | UL94V-0 |  |  |
| 10 | Safety Rating: | UL 1863 |  |  |
| 11 | Compliance | TIA-568.B.2-10 IOS/IEC 11801 ed 2.1 |  |  |
| 12 | Compatible with both Copper and Fiber Jacks | 10G copper and fiber outlets |  |  |
| 4 | 10G Copper Patch Cord |  |  |  |
| A | Make and Type | RJ45 to RJ45 Patch Cords |  |  |
| B | It should be snag less plug design with integrated strain relief |  |  |  |
| C | Operation temperature range | Negative 20 Degree C to Positive 75 Degree C |  |  |
| D | Number of plug insertion cycles | >750 (IEC/EN 60603-7) |  |  |
| E | Jacket | Lead Free PVC |  |  |
| F | Conductor | 24 AWG 7x32 stranded tinned |  |  |
| G | Flammability Rating | UL94V-0 |  |  |
| H | Safety Rating | UL 1863 |  |  |
| **5** | **10G Copper Outlet** |  |  |  |
| A | Should Support 10 Gigabit Ethernet over unshielded copper toafull 100m channel | Yes |  |  |
| B | It should have an inbuilt conductor management system for well-Controlled terminations, The conductor management piece should be capable of maintaining the pair relationship of the cable | Yes |  |  |
| C | Contacts should made of 45° IDC (Insulation Displacement Contact) type/Equivalent To provide reliable gas-tight connections | Yes |  |  |
| D | Fully interoperable and backwards compatible with component compliant Category 5e / Class D and Category 6 / Class E systems | Yes |  |  |
| E | Outlet should offer tool free termination | Yes |  |  |
| F | Operation temperature range | -10°C to + 60°C |  |  |
| G | Transmission performance and reliability | TIA-568.B.2-10& ISO/IEC 11801ed2.1 |  |  |
| H | Contact Resistance | < 1mQ |  |  |
| I | Conductor Terminations of Contacts | 2 200 |  |  |
| J | Conductor Diameter | 0.5-0.65mm (AWG 24-22) |  |  |
| K | Insulation Diameter | 1.04-1.6mm |  |  |
| L | Plug / Jack Mating Cycles | > 750 (IEC / EN60603-7) |  |  |
| M | Outlet Color (Gray/Black/White/Yellow,et c) | Selected In consultation with UID |  |  |
| N | Outlet should support leading vendor copper cable | Yes |  |  |
| O | Safety Rating | UL 1863 |  |  |

### TECH 4.2.4: Project Plan for Deliverables

A **Detailed Project Plan** clearly indicating the milestones activities into the respective sub activities, along with their start and end dates must be provided as per the format specified below. Bidder should adhere to the timelines as stipulated in “Project Schedule” Section-V, Clause 6.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity-wise Timelines** | | | | | | | |
| S. No. | Item of Activity | Month wise Program | | | | | |
|  |  | 1 | 2 | 3 | 4 | 5 | … |
| 1 | Activity 1 |  |  |  |  |  |  |
| 1.1 | Sub-Activity 1 |  |  |  |  |  |  |
| 1.2 | Sub-Activity 2 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 2.1 |  |  |  |  |  |  |  |
| 2.2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 3.1 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| *Note: The above activity chart is for the purpose of illustration. Bidders are requested to provide detailed activity & phase wise timelines for executing the project with details of deliverables & milestones.* | | | | | | | |

In addition to the above, Bidder must also provide a Summary of key milestone timelines proposed, as per the format given below. Bidder should adhere to the timelines as stipulated in “Estimated Project Schedule” Section-V, Clause 6.

**Key Milestone Timelines**

| **Activity** | **No of Calendar Days from release of LOI** |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------- Date -------------------------**

### TECH 4.2.5: Escalation Matrix

The purpose of the escalation process is to provide a quick and orderly method of notifying both parties that an issue is not being successfully resolved at the lower management level. DCSP is required to indicate the names for the Escalation Matrix Levels specified below.

#### DCSP Contact details:

|  |  |  |
| --- | --- | --- |
| **Location** | **Position** | **DCSP representative with designation & contact details** |
| Bengaluru | {MD/ CEO/ Director or equivalent} | Name:-  Designation:-  Office Tel. No.:-  Mobile Tel. No.:-  Email ID:- |
| {Project Manager, Senior Manager or equivalent} | Name:-  Designation:-  Office Tel. No.:-  Mobile Tel. No.:-  Email ID:- |

#### Escalation Procedure

Escalation shall be required on an exception basis and only if the issue resolution cannot be successfully achieved within a reasonable time frame.

|  |  |  |
| --- | --- | --- |
| **Escalation Level** | **Position to whom escalated** | **DCSP representative with Contact Details** |
| Level 1 | Project Manager |  |
| Level 2 | Project Director |  |
| Level 3 | Steering Committee |  |

### TECH 4.2.6: List of Documents to Be Submitted By DCSP for the proposed Data Center

|  |  |  |
| --- | --- | --- |
| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at Bengaluru** | | |
| 1 | Address of the Proposed Data Center Facility |  |
| 2 | Data Center Building Type: Owned , Leased or Space hired through other agency? If leased, for how many years and valid up to which date?  What is the age of the building? |  |
| 3 | Owner’s Name and Address |  |
| 4 | Location of the Data Center within the building (which floor?) |  |
| 5 | What is the total available ready data centerspace for data center as per UID requirement |  |
| 6 | What is the total available DC bare space which can be used for future expansion |  |
| 7 | What is the approved sanctioned power for the Data Center |  |

The submission of the following documents is mandatory and the same shall be referred for evaluation during site visit.

|  | **Documents to be submitted by the DCSP** | **Whether Submitted (Yes/No)** | **If submitted, Reference in the RFP** | **Remarks** |
| --- | --- | --- | --- | --- |
|  | 1. Certificate or Lease Agreement as applicable 2. Copy of building Insurance document 3. Seismic Compliance of the building 4. Compliance Certificate for floor strength in Kg/Sq meter 5. Data Center Layout drawing 6. Electrical SLD upto rack distribution 7. Schematic drawings of HVAC system for data Center and its support facility 8. Schematic drawings for Fire detection, Fire Suppression, WLD, Rodent Repellent, access control system, Public Address System & CCTV etc. 9. Building Management System Architecture 10. Two hrs Fire Rating Certificate for Doors/Partitions/Windows/Glass/Raised Floor/False Ceiling in IT Production area(Server hall) 11. ISP version 6 connectivity Certificate from ISPs 12. Explosive License copy for UG storage tank & DG Pollution certificate 13. Power sanction approval certificate from relevant authority 14. Fire Safety, security and suppression system Management process and procedure 15. Building Occupancy Certificate 16. Building Fire Approval Certificate 17. Floor structural strength certificate duly certified by Authorised signatory 18. No Objection Certificate for deploying CISF at the premises if required by UIDAI |  |  |  |

### TECH 4.2.7: Response Sheet

It is mandatory for bidder to provide response/solution details against each checkpoint as stipulated in below table toward completeness of the solution,

**For bid evaluation, UIDAI will conduct the site visit of the proposed data center facility and will evaluate the response against respective parameters during the site visit.**

Response against each check points shall be evaluated on the basis of following:

1. Clear articulation and description of the technical solution and design, components, Make of equipment or sizing of infrastructure (including diagrams and calculations wherever applicable). .
2. Compliance to technical requirements specified in the RFP.
3. Clear articulation of understanding of requirement, coverage and adequacy of solution, feasibility, Innovation and scalability.
4. Detailing and completeness of requirement

| **S.**  **N** | **Technical Evaluation Parameters** | **Score** | **Bidder 's Response** | | | **Supporting Document by Bidder** | **Reference in the Bid Submitted** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The evaluation of the bidder's responses to the following questions would consider the following parameters:  1. Compliance to specifications and minimum requirements  2. Level of details provided and submission of Supporting Documents  Note: a) In case of any deviations, please use the Deviation format attached as TECH 4.2.10 in Section IV. | | | | | | | | |
| **A** | **Architectural and Structural** |  | | | | | | |
| Please state the response in line with the requirements as stipulated in Section V- Clause No. 5.2, Schedule of Requirement and other RFP Requirements. | | | | | | | | |
| **A.1** | **Architectural and Structural** |  |  |  | |  |  | |
| 1 | Location, Age of the Building, Fitness of building for DC |  |  |  | |  |  | |
| 2 | What is the Total area in Sq ft of the space in the building for raised floor and other supporting areas like Utility Rooms? What is the overall space (in Sq. feet) planned to make proposed available DC space for UIDAI? |  |  |  | |  |  | |
| 3 | Is the Data Center Space (IT Production Area) on the suitable level  a. Minimum 4 feet above the ground level and   b.Should not be on topmost floor |  |  |  | |  |  | |
| 4 | Is the Data center and its building owned by the Bidder? If building / floors are leased, Specify lease period? Does the lease period comply with RFP stipulation? |  |  |  | |  |  | |
| 5 | What is the types and value of Insurance of the Data Center? |  |  |  | |  |  | |
| 6 | Is there adequate space for parking for emergency vehicles, fire brigade to access the building in case of emergencies, and are there proper fire exits provided as per the statutory guidelines? |  |  |  | |  |  | |
| 7 | In the site chosen for UIDAI DC Co-Hosting, what is the distance to nearest airport and flight path? |  |  |  | |  |  | |
| 8 | Please mention the distance to nearest highway, railway station and railway line? |  |  |  | |  |  | |
| 9 | State the number of incidences of water logging in the basement area in last 3 years as well as number of incidences of water logging in the surrounding area above 6” in last 3 years and describe measures taken to establish that there will be no water seepage in the future. |  |  |  | |  |  | |
| 10 | Is the building protected from Lightening, EMI and RFI? If Yes then what are the solution considered |  |  |  | |  |  | |
|  | **Sub Total A.1** | **70** |  |  | |  |  | |
| **A.2** | **Architectural and Structural** |  |  |  | |  |  | |
| 11 | Are there any potentially hazardous facilities, operation, business or natural occurrence, such as petrochemical processing, prisons, toxic waste sites, gas pipeline, etc. envisaged in the future in the surroundings? If so, what would be the approximate distance? |  |  |  | |  |  | |
| 12 | What is the structural load bearing capacity of floor slab in kg/sq.mtr? |  |  |  | |  |  | |
| 13 | Whether any major electrical equipment is directly above or below the data center space? |  |  |  | |  |  | |
| 14 | What will be the height of the raised floor from the true floor (mm) and what is the type of the false flooring? Is it provided with anti-static laminate? |  |  |  | |  |  | |
| 15 | What is the Load bearing capacity of raised floor (kg/sq. mtr)? |  |  |  | |  |  | |
| 16 | Is the raised floor space on DC exclusive for UIDAI or there will be other customers? If yes, how would physical isolations be planned? |  |  |  | |  |  | |
| 17 | Is the Telco/ Communication Room strategically located and controlled by Access Control system? Will UIDAI be given an exclusive Room? Provide schematics and details. |  |  |  | |  |  | |
| 18 | Will the fibre entering the Telco/ Communication Room come from separate paths? |  |  |  | |  |  | |
| 19 | Would the Internet Service Providers be equipped with IPV6 connectivity? What is the minimum and maximum number of ISPs planned in the Telco/ Communication Room |  |  |  | |  |  | |
| 20 | Is there a provision for material movement trolleys for equipment transit, inside and outside the Staging Room? What is the process followed by the DCSP personnel for movement of equipment from the unloading dock to the store and from store room to the staging Room? Are proper material movement trolleys designed/provisioned? |  |  |  | |  |  | |
| 21 | Is a Fire alarm Detection & Fire Suppression system provisioned for Staging Room, Office area, Secure Storage Space, Media Storage Room and Communication Room? Mention the type of Fire Detection and Fire Suppression System used. |  |  |  | |  |  | |
| 22 | Is a Secure Storage Space (Material handling room Store Room) exclusively provisioned for UIDAI? Is there adequate space provisioned for unloading the IT equipment/ material? |  |  |  | |  |  | |
| 23 | Would a secure storage space with locking arrangement be provided & what type of locking arrangement will be provisioned? |  |  |  | |  |  | |
|  | **Sub Total A.2** | **70** |  |  | |  |  | |
| **A.3** | **Architectural and Structural** |  |  |  | |  |  | |
| 24 | Space for future expansion; In addition the data center space proposed to UIDAI, Is there is any space available for future expansion  Would additional Data Center space be provided on requirement? If Yes, then how much can be provided - provide layout and other details as well? |  |  |  | |  |  | |
| 25 | Are Access control and CCTV systems provisioned as per the industry standards in all the areas such as Data Center Space, Communication Room, Secure Storage Space, Staging Room, Media Storage Room and Office Space? Provide specifications, Schematic Layout and other related details. |  |  |  | |  |  | |
| 26 | What is the location/strategic placement provisioned for the electrical room to facilitate receiving power and distributing the same to the building and the server hall? |  |  |  | |  |  | |
| 27 | What type of fire alarm and fire suppression systems are provisioned for the Electrical Room? |  |  |  | |  |  | |
| 28 | Is the Electrical Room provisioned with access control to prevent unauthorized entry? |  |  |  | |  |  | |
| 29 | Are the Chiller & AHU rooms provisioned with proper slope to drain water out of the building to prevent water stagnation in the chillers and AHU rooms? |  |  |  | |  |  | |
| 30 | What is the location provisioned for the Cafeteria, Pantry or Rest rooms with reference to locational proximity/ distance to the server hall? |  |  |  | |  |  | |
| 31 | Whether the building is seismic compliant? If yes, what is the compliance zone level? Provide details. |  |  |  | |  |  | |
| 32 | Whether the building has the necessary fire-approvals in place? Provide details. |  |  |  | |  |  | |
|  | **Sub Total A.3** | **60** |  |  | |  |  | |
|  | **Total Score (A)- A.1+A.2+A.3** | **200** |  |  | |  |  | |
| **B** | **Electrical Systems: design consideration** |  |  | | | | | |
| Please state the response in line with the requirements as stipulated in Section V- Clause No. 5.10, Schedule of Requirement and other RFP Requirements. | | | | | | | | |
| **B.1** | **Power** |  |  |  | |  |  | |
| 1 | Is power sanctioned from Electricity Power Supply Company for the Data Center building?  If Yes, what is the total Sanctioned Power in MVA and is the sanctioned power sufficient to meet UIDAI requirement, Please provide details. |  |  |  | |  |  | |
| 2 | What is the number of incoming power lines provisioned from the power supply company?  What is the capacity of each incoming power lines in MVA.  What is the incoming kV from Power Supply Company  Are the incoming power lines provisioned from a single or different sub-station/s? |  |  |  | |  |  | |
|  | **Sub Total (B.1)** | **25** |  |  | |  |  | |
| **B.2** | **Transformer** |  |  |  | |  |  | |
| 1 | How many transformers are designed/ provisioned? What are their capacities and types? |  |  |  | |  |  | |
| 2 | What is the provisioned redundancy for main transformers (N, N+1…)? |  |  |  | |  |  | |
| 3 | What is the type of earthing that is provisioned for the neutral and body of transformers? |  |  |  | |  |  | |
| 4 | What type of protection against surge in voltage and current is provisioned for the transformers? |  |  |  | |  |  | |
|  | **Sub Total (B.2)** | **20** |  |  | |  |  | |
| **B.3** | **Diesel Generator** |  |  |  | |  |  | |
| 1 | How many DG sets, which would be available to support UIDAI DC space, are provisioned and what is the redundancy level (N, N+1,…). Is there adequate space provisioned for adding generators in case of a requirement? |  |  |  | |  |  | |
| 2 | What is the total DG Capacity (in KVA) which is provisioned for UIDAI DC requirement? |  |  |  | |  |  | |
| 3 | How the Neutral and Body earthing is provisioned through separate earth pits? |  |  |  | |  |  | |
| 4 | How much time Generators will take to crank up, synchronize and take full load? Does a dedicated DG sets is provisioned for UIDAI or will it be shared with another customer. |  |  |  | |  |  | |
| 5 | Is a bulk fuel storage tank provisioned? If yes, what is the capacity and does it have the necessary statuary approvals in place? What is the capacity provisioned for bulk storage fuel tank (in liters & running hours at full load)? |  |  |  | |  |  | |
| 6 | Is the generator capacity designed /provisioned to fulfill the power requirements of both IT and air conditioning load of the Data Center space for UIDAI? Provide the tabulated calculation. |  |  |  | |  |  | |
| 7 | What is the lead time provisioned to supply refill as part of a SLA with fuel supplier? |  |  |  | |  |  | |
|  | **Sub Total (B.3)** | **40** |  |  | |  |  | |
| **B.4** | **Main LT Distribution Panel** |  |  |  | |  |  | |
| 1 | How many LT panels are designed/provisioned? Provide each panel's description, function and redundancy level designed in failure of one module/path/equipment etc. |  |  |  | |  |  | |
| 2 | Is the main LT distribution panel provisioned to house an Electrical Room? Provide the equipment layout details. |  |  |  | |  |  | |
| 3 | Does the Main LT distribution panel have minimum two incomers - one for the main power from the electricity board and the other for the diesel generator? How is the DG to Mains or vice versa changeover system designed/provisioned? |  |  |  | |  |  | |
| 4 | Are the LT Panel breakers provisioned with earth fault, overload and thermal protection? Provide details. |  |  |  | |  |  | |
|  | **Sub Total (B.4)** | **20** |  |  | |  |  | |
| **B.5** | **UPS System** |  |  |  | |  |  | |
| 1 | What is the provisioned UPS Capacity and redundancy (N+1, N+N…) for UIDAI requirement? Is the UPS Capacity sufficient as per the required consumed IT Load requirement? Provide the tabulated capacity calculation sheet. |  |  |  | |  |  | |
| 2 | Is the rack power provisioned from two sets of UPSs through Dual bus distribution system? Please provide details. |  |  |  | |  |  | |
| 3 | Are the UPS units installed in separate Rooms? Y/N |  |  |  | |  |  | |
| 4 | Are the UPS systems provisioned with harmonic filters to limit the Total Harmonic Distortion to less than 10% at 50% load and are also protected against surge? |  |  |  | |  |  | |
| 5 | What is the battery backup duration for each UPS at full load? Provide battery backup calculation sheet. |  |  |  | |  |  | |
| 6 | What is the type of earthing provisioned for UPS neutral? What is the size and type of earthing strip? Provide the earthing sizing calculation details. |  |  |  | |  |  | |
| 7 | Is the UPS system dedicated to UIDAI DC Requirement (s) or shared with other clients? |  |  |  | |  |  | |
| 8 | Is there a separate UPS provisioned for catering to the office equipment like PC’s, fax, printers etc? |  |  |  | |  |  | |
| 9 | Is a dedicated earth system provisioned for the neutral of UPS? What is the earthing scheme/schematic? What is the solution design for limiting the E-N Voltage for each IT Equipment power to less than 2V? Explain and provide details |  |  |  | |  |  | |
| 10 | Is there any isolation transformer at UPS Output designed/provisioned? Provide the electrical single line diagram. |  |  |  | |  |  | |
| 11 | To what extent could the power (kW) be scaled up beyond the stipulated IT Load requirement in designated racks, on specific instructions from UIDAI? |  |  |  | |  |  | |
| 12 | Are the UPS power distribution panels separate from raw power distribution panels? |  |  |  | |  |  | |
|  | **Sub Total (B.5)** | **45** |  |  | |  |  | |
| **B.6** | **LT Distribution Panels and Rack Distribution** |  |  |  | |  |  | |
| 1 | How many LT panels are designed/provisioned? Provide each panel's description, function, redundancy level designed for end to end power distribution up to IT Racks in case of failure of one module/path/equipment etc. |  |  |  | |  |  | |
| 2 | Is the power supply to the air conditioning equipments provisioned through a separate distribution panel? |  |  |  | |  |  | |
| 3 | How is the Cable tray for LAN and Cable tray for Rack Power distribution planned (Under the raised floor or above the rack below ceiling) and Why?. |  |  |  | |  |  | |
| 4 | How do you ascertain that during maintenance of panels, the regular operations are not disturbed? |  |  |  | |  |  | |
| 5 | Is a Capacitor panel of adequate capacity provisioned for correction of power factor? Provide calculation details. |  |  |  | |  |  | |
| 6 | How many Power Distribution Units (PDU) are planned for delivering power to IT Racks. What is the Rating of each PDU and how many IT racks in Data Center Space are connected to one PDU What is the rating and type of industrial sockets for each Rack in the Data Center Space |  |  |  | |  |  | |
| 7 | Does a PDU a have provision for single phase circuits to cater to any specific equipment requirement being deployed? Provide details. |  |  |  | |  |  | |
|  | **Sub Total (B.6)** | **25** |  |  | |  |  | |
| **B.7** | **Earthing and Lighting** |  |  |  | |  |  | |
| 1 | What is the earthing scheme for the Data Center and is a dedicated earthing provisioned for the Data Center? Provide details. |  |  |  | |  |  | |
| 2 | Is a Single Reference Grid provisioned in the Data Center? |  |  |  | |  |  | |
| 3 | Is the provisioned equipment safety/ body earth separate from dedicated earth in the Data Center? Please provide details. |  |  |  | |  |  | |
| 4 | What methods are provisioned to control Electrostatic Discharge? |  |  |  | |  |  | |
| 5 | What standards are followed to design/provision earthing? What will be the Earthing pit Resistance? |  |  |  | |  |  | |
| 6 | Is regular lighting and emergency lighting designed/ provisioned in all locations of the building? What percentage of emergency lights is used for illumination? Provide details. |  |  |  | |  |  | |
|  | **Sub Total (B.7)** | **25** |  |  | |  |  | |
|  | **Total Score (B)** | **200** |  |  | |  |  | |
| **C** | **Heat Ventilation and Air Conditioning Design Consideration:** |  |  | | | | | |
| Please state the response in line with the requirements as stipulated in Section V- Clause No. 5.11, Schedule of Requirement and other RFP Requirements. | | | | | | | | |
| **C.1** | **Precision Air Conditioning** |  |  |  | |  |  | |
| 1 | What is the type of precision air conditioning provisioned in DC? (CW/DX).  What is the benefit of selecting a particular option, please provide details. |  |  |  | |  |  | |
| 2 | What is the cooling design solution for respective Rack Density? |  |  |  | |  |  | |
| 3 | How is the cooling and humidity maintained as per the operational requirement of IT Equipment installed in IT Rack.  How would the Bidder ensure that there are no Hot Spots within the Data Center Space? Provide details on air Flow management for each Density Solution |  |  |  | |  |  | |
| 4 | What is the rated capacity of the AC units (Tr) and how much redundancy is provisioned? |  |  |  | |  |  | |
| 5 | What is the provisioned CFM for each rack as per design?  Whether CFM as per design will be sufficient to manage heat dissipation for each rack, Please provide detailed calculation.  Can it be scalable on requirement? Please provide details. |  |  |  | |  |  | |
| 6 | Is the Rack alignment provisioned to achieve a hot isle and cold isle arrangement? |  |  |  | |  |  | |
| 7 | Is the floor slab provisioned (above or below) with thermal insulation? Provide details. |  |  |  | |  |  | |
| 8 | Is any humidity control provisioned in the equipment? |  |  |  | |  |  | |
| 9 | What is the range of temperature and humidity provisioned in the Data Center? What type of air filters are provisioned and why? |  |  |  | |  |  | |
| 10 | Is there space provisioned to add additional AC units in the Data Center in case of any requirement? |  |  |  | |  |  | |
|  | **Sub Total (C.1)** | **80** |  |  | |  |  | |
| **C.2** | **Comfort Air Conditioning** |  |  |  | |  |  | |
| 1 | What is the type of comfort air-conditioning systems provisioned for area such as office, media storage room and secure storage room and what is the redundancy ((N, N+1...). Please provide details. |  |  |  | |  |  | |
| 2 | Is fresh air provisioned for comfort air-conditioning? |  |  |  | |  |  | |
| 3 | Are the AC ducts properly insulated and provided with fire dampers? |  |  |  | |  |  | |
| 4 | Is the comfort AC is provisioned with temperature controls in the office area? |  |  |  | |  |  | |
|  | **Sub Total (C.2)** | **20** |  |  | |  |  | |
|  | **Total Score (C)** | **100** |  |  | |  |  | |
| **D** | **Fire Systems Design Consideration:** |  |  | | | | | |
| Please state the response in line with the requirements as stipulated in Section V- Clause No. 5.12, Schedule of Requirement and other RFP Requirements. | | | | | | | | |
| **D.1** | **Fire Alarm System** |  |  |  | |  |  | |
| 1 | Briefly describe the Fire rating measures provisioned to make the DC conform to NFPA guidelines? |  |  |  | |  |  | |
| 2 | What are the standards adopted for designing/provisioning the Fire detectors in the Data Center and the other supporting utility areas like the UPS Room, Electrical Room and Office areas? |  |  |  | |  |  | |
| 3 | What are the types of detectors provisioned? (Smoke, Heat etc.)? Are they addressable or conventional? |  |  |  | |  |  | |
| 4 | Is the Data Center Fire alarm system integrated with the building alarm system? |  |  |  | |  |  | |
| 5 | Is the Fire alarm system configured with the Public Address system? |  |  |  | |  |  | |
| 6 | Is the DC equipped with early smoke detection system? What type is employed and what is the air sampling frequency? |  |  |  | |  |  | |
|  | **Sub Total (D.1)** | **30** |  |  | |  |  | |
| **D.2** | **Fire Suppression System** |  |  |  | |  |  | |
| 1 | What is the type of fire extinguishing system adopted? Which gas is provisioned for fire suppression? Does it contain Ozone Depleting substances? |  |  |  | |  |  | |
| 2 | What is the design standard considered for the above mentioned system? (NFPA etc) |  |  |  | |  |  | |
| 3 | Would the gas release panel be integrated with the fire panel? |  |  |  | |  |  | |
| 4 | In an automatic gas based fire-suppression system, is there a method provisioned to prevent excessive pressure build-up? |  |  |  | |  |  | |
| 5 | Are the smoke detector / heat detectors along with the fire panel programmed in a manner that they activate the suppression system? |  |  |  | |  |  | |
| 6 | Are portable fire extinguishers provisioned? At which strategic locations would they be placed? |  |  |  | |  |  | |
|  | **Sub Total (D.2)** | **30** |  |  | |  |  | |
|  | **Total Score (D)** | **60** |  |  | |  |  | |
| **E** | **Security System Design Consideration:** |  |  |  | |  |  | |
| Please state the response in line with the requirements as stipulated in Section V- Clause No. 5.13, Schedule of Requirement and other RFP Requirements. | | | | | | | | |
| **E.1** | **Physical Security** |  |  |  |  | |  | |
| 1 | Does the Bidder comply with UIDAI’s requirement of deputing CISF personnel in addition to Bidder’s own security? |  |  |  |  | |  | |
| 2 | Does the building have 24hr patrolling? |  |  |  |  | |  | |
| 3 | Are the security personnel trained to scrutinize the personnel entering the premises and also to carry out combat activities? |  |  |  |  | |  | |
| 4 | Is security provisioned to monitor all the entrances of the building? |  |  |  |  | |  | |
|  | **Sub Total (E.1)** | **25** |  |  |  | |  | |
| **E.2** | **Closed Circuit Television** |  |  |  |  | |  | |
| 1 | How many cameras are placed?  What is the area covered through CCTV surveillance in the Data Center floor area?  What type of cameras are provisioned for respective areas  (Example: CCTV fixed dome type with or without varying focal lens, PTZ cameras)? |  |  |  |  | |  | |
| 2 | Are CCTV's provisioned in strategic locations to monitor the movement of personnel in and out of all critical areas in the building and its periphery? Is the DG area, utility Area, Electrical Room area covered by the CCTV?  Please provide details. |  |  |  |  | |  | |
| 3 | Is it provisioned for the Digital Video Recorder to be IP based to allow UIDAI to monitor remotely? Is 24X7 CCTV's monitoring provisioned? Is the recording based on motion sensing? |  |  |  |  | |  | |
|  | **Sub Total (E.2)** | **25** |  |  |  | |  | |
| **E.3** | **Access Control System** |  |  |  |  | |  | |
| 1 | What type of access control system is provisioned for Data Center? (Finger, palm etc.)? |  |  |  |  | |  | |
| 2 | Are panic bars provisioned with the emergency exits and integrated with the alarm system? |  |  |  |  | |  | |
| 3 | Is the Access control software installed on a stand-alone computer and are the logs of movements recorded? Will the periodic reports of the logs be recorded and sent to UIDAI? |  |  |  |  | |  | |
| 4 | How many minimum levels of physical and electronic scrutiny are provisioned before a person can enter the Data Center? |  |  |  |  | |  | |
| 5 | Is the entry to all critical locations in the building provisioned through the Access Control system? Provide details. |  |  |  |  | |  | |
|  | **Sub Total (E.3)** | **30** |  |  |  | |  | |
|  | **Total Score (E)** | **80** |  |  |  | |  | |
| **F** | **BMS System Design Consideration:** |  |  | | | | | |
| Please state the response in line with the requirements as stipulated in Section V- Clause No. 5.14, Schedule of Requirement and other RFP Requirements. | | | | | | | | |
| **F.1** | **Integrated Building Management System (BMS)** |  |  |  |  | |  | |
| 1 | Is the BMS for proposed Data Center dedicated for UIDAI or would it be shared with other customer? Provide details. |  |  |  |  | |  | |
| 2 | Confirm the list of equipments which will be monitored through BMS like DG,UPS, Transformers, Chiller ,PAC, ACS, Energy Meters, WLD, Aspirating smoke detection system etc.  Is the BMS designed for 24x7 monitoring & how will it be monitored ? |  |  |  |  | |  | |
| 4 | What is the frequency of reports that would be generated from BMS ?  Is the system design capable of generating reports of power consumption from the PDU? |  |  |  |  | |  | |
| 5 | Is the BMS Room separate or it will be shared with some other utility room/ area? |  |  |  |  | |  | |
| 7 | Is the temperature and humidity sensing and monitoring of the Data Center floor Area provisioned on a continuous basis and will it be integrated to the BMS System and will it be IP based to allow accessibility for UIDAI to monitor remotely? |  |  |  |  | |  | |
| 8 | Please confirm retention of the following data as per the retention period indicated against each points below,  a) Access logs (3 months) b) CCTV (1 year)  c) Power consumption (3 months) d) Alarms generated (3 months)  DCSP should have capability to restore and replay the data within the stipulated retention period. |  |  |  |  | |  | |
| 9 | What is the system of escalation from BMS – calls, SMS, Mails, etc.? |  |  |  |  | |  | |
|  | **Sub Total (F.1)** | **30** |  |  |  | |  | |
|  | **Total Score (F)** | **30** |  |  |  | |  | |
| **G** | **Bidder Experience and Profile** |  |  |  |  | | |  |
| 1 | How old is the Company in Data Center services business (in years)?  Required; Copy of the Certificate of incorporation and amendment if any thereof | 30 |  |  |  | | |  |
| a | > 5 Yrs | 30 |  |  |  | | |  |
| b | 3 to 5 Yrs | 20 |  |  |  | | |  |
| c | 2 to 3 Yrs | 15 |  |  |  | | |  |
| c | < 2 Yrs | 0 |  |  |  | | |  |
| 2 | What is the total Data Center Raised floor area (in sq. feet) owned and managed by the Company all over India? ((IT Production area i.e. Space for IT Rack, CRAC, PDU).  Required;  Self declaration certificate duly certified by CEO/CFO/MD of the Bidder’s organization mentioning the address of the respective DC sites along with Sq ft area | **30** |  |  |  | | |  |
|  | > 40,000 sq ft | 30 |  |  |  | | |  |
|  | 20,000 Sq Feet to 39,999 sq ft | 25 |  |  |  | | |  |
|  | 10,000 Sq Feet to 19,999 sq ft | 20 |  |  |  | | |  |
|  | 5,000 Sq Feet to 9,999 sq ft | 15 |  |  |  | | |  |
|  | <5,000 sq ftt | 0 |  |  |  | | |  |
| 3 | Bidder On-Roll employee - Professional Certification as CDCP or CDCS ,PMP & ITIL.  Required Copy of certificates in respect of employees | 20 |  |  |  | | |  |
| a | > 10 no's PMP Certified, | **7** |  |  |  | | |  |
|  | Between 5 no's & 10 no's PMP Certified | 4 |  |  |  | | |  |
|  | < 5nos PMP Certified | 0 |  |  |  | | |  |
| b | > 5 no's CDCS/CDCP Certified | **8** |  |  |  | | |  |
|  | Between 3 No's & 5 No's CDCS/CDCP Certified | 4 |  |  |  | | |  |
|  | < 3nos | 0 |  |  |  | | |  |
| c | > 10 no’s ITIL Certified, | **5** |  |  |  | | |  |
|  | Between 5 no's & 10 no's ITIL Certified | 3 |  |  |  | | |  |
|  | < 5nos ITIL Certified | 0 |  |  |  | | |  |
|  | **Sub Total (G)** | **80** |  |  |  | | |  |
|  | **Grand Total** | **750** |  |  |  | | |  |

### 

### TECH 4.2.8: Details of Litigation (s)

Details of litigation(s) the Bidder is currently involved in, or has been involved in, for the last three years:

|  |  |
| --- | --- |
| Party in dispute with |  |
| Year of initiation of dispute |  |
| Detailed description of dispute |  |
| Resolution / Arrangement arrived at (if concluded) |  |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------**

### TECH 4.2.9: Statement of Deviations from General Terms & Conditions

Dear Sir(s),

Following are the deviations and variations from General Terms & Conditions for **"Hiring of Data Centre space & Facilities for Unique Identification Authority of India at Bengaluru** against TenderNo……., Dated ……….. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your requirements and documents.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.** | **Section No.** | **Sub Clause** | **Brief Narration** | **Bidder's Response**  **(Statement of Deviation & Variation)** |
|  |  |  |  |  |
|  |  |  |  |  |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date -----------------------**

### TECH 4.2.10: Statement of Deviations from Schedule of Requirements

Dear Sir(s),

Following are the deviations and variations from Schedule of Requirements for “**"Hiring of Data Centre space & Facilities for Unique Identification Authority of India at Bengaluru** against Tender No……., Dated ………. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your requirements and documents.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.** | **Section No.** | **Sub Clause** | **Brief Narration** | **Bidder's Response**  **(Statement of Deviation & Variation)** |
|  |  |  |  |  |
|  |  |  |  |  |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date -----------------------**

### TECH 4.2.11: Blank Copy of the Commercial Bid Form

Refer Clause **7.2 (k)** of Section II

## **COMMERCIAL BID**

### COMM 4.3.1: Bidder Profile

|  |  |  |
| --- | --- | --- |
| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI) at............................ (Bengaluru).** | | |
| 1 | Name of the Bidder |  |
| 2 | Address of the Bidder’s Registered Office in India |  |
| 3 | Year of establishment of organization |  |
| 4 | Bid number and date |  |
| 5 | Name of the person to whom all references shall be made regarding this bid |  |
| 6 | Designation of the person to whom all references shall be made regarding this bid |  |
| 7 | Mailing Address of the person to whom all references shall be made regarding this bid |  |
| 8 | Telephone No. (with STD Code) |  |
| 9 | E-Mail of the contact person: |  |
| 10 | Fax No. (with STD Code) |  |
| 11 | Address of the Proposed Data Center Location |  |

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------------**

### COMM 4.3.2: Commercial Bid Letter

**(Please see Clause 7 of Section II - Instructions to Bidders)**

**COMMERCIAL BID LETTER**

To,

The Director General and Mission Director

UIDAI, Planning Commission,

3rd Floor, Parliament Street

New Delhi – 110001

Sir,

**Sub: “Hiring of Data Centre space & Facilities at Bengaluru for Unique Identification Authority of India”**

**Ref: Bid document:**

1. We, the undersigned Bidders, having read and examined in detail all the bidding documents with respect to Leasing, Hosting, Maintenance & Management of Data Centre Space and Facilities for Unique Identification Authority of India (UIDAI) at Bengaluru Region, do hereby propose to provide **services** as specified in the bid document.
2. **PRICE AND VALIDITY** 
   1. All the prices mentioned in our bid are in accordance with the terms as specified in the bidding documents. All the prices and other terms and conditions of this bid are valid for a period of 180 calendar days from the date of opening of the bids.
   2. We are an Indian Company and do hereby confirm that our bid prices include all taxes including income tax and professional tax.
   3. We have studied the clause relating to Indian Income Tax and hereby declare that if any in-come tax, surcharge on Income Tax, Professional and any other corporate Tax in altercated under the law, we shall pay the same.

1. **UNIT RATES**

1. We have indicated in the relevant schedules enclosed, the unit rates for the purpose of on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract.

1. **EARNEST MONEY DEPOSIT (EMD)**

1. We have enclosed an EMD in the proforma as per the EMD form in the form of a bank guarantee for a sum of **Rs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** This EMD is liable to be forfeited in accordance with the provisions of bid documents.

1. **DEVIATIONS**

1. We declare that all the services shall be performed strictly in accordance with the bid documents except for the variations and deviations, all of which have been detailed out exhaustively in the following statement, irrespective of whatever has been stated to the contrary anywhere else in our bid.

1. Further we agree that additional conditions, if any, found in the bid documents, other than those stated in deviation schedule, shall not be given effect to.

1. **BID PRICING**

1. We further confirm that the prices stated in our bid are in accordance with your Instruction to Bidders included in bidding documents.

1. **BID PRICE**

1. We declare that our bid prices are for the entire scope of the work as specified in the Schedule of Requirements and bid documents. These prices are indicated in **Annexure 4.2.3** attached with our bid as part of the bid.

1. **CONTRACT PERFORMANCE GUARANTEE**

1. We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed at **Appendix B of Section VI** as specified in **Clause 33 of Section III.**

1. We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

1. We understand that our bid is binding on us and that you are not bound to accept a Bid you receive.

1. **We confirm that no Technical deviations are attached here with this commercial offer.**

Thanking you,

Yours faithfully,

(Signature of the Bidder)

Printed Name

Designation

Seal.

Date:

Place:

Business Address:

**Witness: Bidder:**

**Signature ------------------------ Signature ------------------------**

**Name ------------------------ Name ------------------------**

**Address ------------------------ Designation ------------------------**

**Company ------------------------**

**Date ------------------------ Date ------------------------**

### COMM 4.3.3: Detailed Cost Sheet

|  |  |
| --- | --- |
| **INSTRUCTIONS** | |
| 1 | Bidder should provide all prices, quantities as per the prescribed format in this section. Bidder should not leave any field blank. In case the field is not applicable, Bidder must indicate “0.00” (Zero) in all such fields. |
| 2 | It is mandatory to provide breakup of all Taxes, Duties and Levies wherever applicable and/or payable. |
| 3 | Purchaser reserves the right to ask the selected Bidder to submit proof of payment against any of the taxes, duties, levies indicated, at any point during the contract period. |
| 4 | Purchaser shall take into account all Taxes, Duties & Levies for the purpose of Evaluation. |
| 5 | Price should be quoted in Indian Rupees (INR). Price bids in any other currency shall be summarily rejected. |
| 6 | Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, **the unit price shall prevail and the total price shall be corrected**. If there is a discrepancy between words and figures, **the amount in words will prevail**. |
| 7 | Bidder to account for all statutory approvals as required |
| 8 | For the purposes of evaluation of commercial Bids, the Purchaser shall make appropriate assumptions to arrive at a common bid price for all the bidders. However, this shall have no co-relation with the contract or actual payment to be made to Bidder. |
| 9 | The initial contract shall be signed for One year and the contract period shall be extendable in steps of six months each up to a maximum of 2 extensions of 6 months each at same unit rate,terms and conditions as quoted. |
| 10 | The period of one year contract shall start after handover of data center ready space to UIDAI. UIDAI shall have the right to decrease the contract period from one years to a lesser duration at a written notice period of atleast three months in advance, if required and for rental & other recurring services, variable charges shall be charged by the DCSP only for the duration DC space is utilised by UIDAI. |
| 11 | The Office space sought would be utilized by the UIDAI officials for their Data processing and associated work. **The Office space displayed during the site visit would be considered as the Purchaser’s allocated space, if Bidder wins the contract.** |
| 13 | UIDAI reserves the right to issue change order(s) for all individual items of the detailed cost sheet in Section IV - Table I, Table II and Table III, at the unit rates quoted by the bidder throughout the validity of the contract. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Summary Table - BREAK DOWN OF COST COMPONENTS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **For the purpose of Commercial Bid Evaluation  (All Prices in Indian Rupees)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Hiring of Data Centre space & Facilities, Unique Identification Authority of India (UIDAI)**  **At Bengaluru** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **S. No** | | **Item Description** | | | | | | | | | | | |  | | | | | | **Reference Table** | | | | | | **Total Yearly Cost  (INR)** | | | | |
| 1 | | Recurring Cost -Space Rental Charges  (Year 1) | | | | | | | | | | | | Value 1 | | | | | | Table I | | | | | |  | | | | |
| 2 | | Variable Recurring Cost (Environmental and Infrastructural Service Charges)  (Year 1) | | | | | | | | | | | | Value 2 | | | | | | Table II | | | | | |  | | | | |
| 3 | | On Demand Fixed Cost | | | | | | | | | | | | Value 3 | | | | | | Table III | | | | | |  | | | | |
|  | | **Total Bid Price ("P") = Value 1 + Value 2 + Value 3 ( In Figures)** | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | |
|  | | **Total Bid Price ("P") = Value 1 + Value 2 + Value 3 ( In Words)** | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | |
|  | |  | | | | | | | | | | | | | | |  | | |  | | | | | |  | | |  | |
| **Witness:** | | | | | | | | | | | | | | | | |  | | | **Bidder:** | | | | | |  | | |  | |
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| **Signature** | | |  | | | | | | | | | | | | | |  | | | **Signature** | | | | | |  | | |  | |
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| **Name** | | |  | | | | | | | | | | | | | |  | | | **Name** | | | | | |  | | |  | |
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| **Address** | | |  | | | | | | | | | | | | | |  | | | **Designation** | | | | | |  | | |  | |
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|  | | |  | | | | | | | | | | | | | |  | | | **Company** | | | | | |  | | |  | |
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| **Date** | | |  | | | | | | | | | | | | | |  | | | **Date** | | | | | |  | | |  | |
| **Table I - Recurring Costs (Space Rental Charges*)*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Note:**   1. **Item rate shall be fixed for one years contract period+two six monthly extensions (if required)** 2. **No Additional Recurring cost line item should be inserted and to the event bidder has any other cost the same have to be factored in Rental Charges for DC and Rental charges for support area only.** 3. **Rental charges should include all physical infrastructure deployment charges for IT Racks, Staging Racks, Communication Racks O&M Charges, Facility Management Charges, Help Desk Support System, all 24x7 Manpower Services , Project Manager charges, Shift Manager (24x7) Charges, Consumables, Tools, Inventory, Security measures, Documentation, 24X7 Security Staff , Environmental & Infrastructure Power cost for Staging Racks, Office Room, Metal Cage, Media Storage Room, Secured Storage Room etc as specified in RFP.**   **\* Bidder can quote quantity (Column D,Sr No-1, in below table for Year 1) as per the available ready DC space however the same should not be less than 2000 Sqft and in case Bidder has higher DC space then the same can be quoted upto maximum 3600 sqft.**  **\*\* Bidder can quote quantity (Column D,Sr No-2, in below table for Year 1) as per the available ready support space however the same should not be less than 1,400 Sqft.**  **For evaluation purpose, UIDAI will consider minimum DC and support space quantity for all the bidders as benchmark for calculating the total prices quoted.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **S.N** | | **Particulars** | | **Unit** | | **Qty** | | | | | **Unit Rate per month (INR)** | | | **Amount Year 1 (INR) (F) =(D)\*(E)\*12** | | | | | **Taxes per Year (INR)** | | | | | **Total Amount Year 1 (INR)(H)=[(G)+(F)]** | | | | | |
| **A** | | **B** | | **C** | | **D** | | | | | **E** | | | **F** | | | | | **G** | | | | | **H** | | | | | |
| 1 | | Rental charges for DC space | | sq. ft. | | 2,000\* | | | | |  | | |  | | | | |  | | | | |  | | | | | |
| 2 | | Rental charges for Support Area   1. Office Area (200 sq Ft)-5 seats 2. Staging Room (150 sq .ft) 3. Communication Room (600 sq. ft, Meet-Me Room)   d. Secured Storage Room (450 sq ft) | | sq. ft | | 1,400\*\* | | | | |  | | |  | | | | |  | | | | |  | | | | | |
|  | | **TOTAL RECURRING COST -Year 1** | | | | | | | | | | | | | | | | | | | | | |  | | | | | |
| **Table II- Variable Recurring Cost (Environmental and Infrastructural Service Charges)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Note:**   1. **No variation in the pricing of Environmental and Infrastructure power charges shall be entertained for the duration (one year contract + twosix montly extensions if required) irrespective of any upward revision by the Power Supplier Authority.** 2. **The variable recurring cost of Environmental and Infrastructure service charges (Power Cost) shall be paid on actual consumption of power (kWH) as measured on a common meter for all installed PDUs which are delivering power to respective IT racks. The measurement meter should measure the total Power (kWh) supplied from each UPS set/source to all the PDUs connected to it. These measurement meters should be installed to measure the power for racks in communication room, data centre medium density room and data centre high density room.**   **UPS Source A →Measured kWH →PDUs A →IT Load/Rack**  **UPS Source B →Measured kWH →PDUs B →IT Load/Rack**   1. **The environmental and infrastructural power charges recurring costs are applicable for IT Racks deployed in Data Center Space as per UIDAI requirement only.** 2. **The rates quoted for Environmental and Infrastructural Services component for the duration (one year contract + two six monthly extension if required) period shall be fixed. UIDAI reserves the right to renegotiate the Environmental and Infrastructural Services component rates for the subsequent period of contract extension keeping the prevalent Industry standards at that time.** 3. **Total kWH mentioned in Column "D" is an estimated quantity for bid evaluation only. However total kWH shall be as per actual meter reading.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **S.No** | | **Particulars** | | | **Unit** | | | **Estimated Qty per month** | | | | **Unit Rate (INR)** | | | | **Amount Year 1 (INR) (F) =(D)\*(E)\*12** | | | | | **Taxes per Year (INR)** | | | | **Total Amount Year 1 (INR) (H)=[(E)+(F)]** | | | | |
| **A** | | **B** | | | **C** | | | **D** | | | | **E** | | | | **F** | | | | | **G** | | | | **H** | | | | |
| 1 | | Environmental and Infrastructural Service charges per month (Power Charges) | | | kWh | | | 300,000 | | | |  | | | |  | | | | |  | | | |  | | | | |
| **TOTAL VARIABLE RECURRING COST-Year 1** | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | |
| **Table III- On Demand Fixed Cost** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Note:**   1. **ON DEMAND Line Item rate shall be fixed for one years contract period+two six monthly extension (if required)** 2. **Rate is being asked only for the purpose of price discovery and commercial evaluation.** 3. **The payment for structured cabling shall be based on actual no. of ports delivered and commissioned.** 4. **The rates quoted for the One Time Fixed Cost would apply for all change orders if such a need arises during the contract period. The quantities indicated are estimates for evaluation purposes only. The Title of all items under one time fixed cost would lie with UIDAI in perpetuity.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Sl.No** | **Particulars** | | | | | | | | **Unit** | | | | **Qty** | | **Unit Rate (INR)** | | | **Amount (INR) (F) =(D)\*(E)** | | | | | **Taxes (INR)** | | | | **Total Amount (INR) (H)=[(F)+(G)]** | | |
| **A** | **B** | | | | | | | | **C** | | | | **D** | | **E** | | | **F** | | | | | **G** | | | | **H** | | |
| 1 | Supply, Installation, Testing and Commissioning of Structured Fiber Cabling | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | Design, installation & Implementation and minimum 20 years certification of Structured Fiber cabling for count of ports as indicated-  (Fiber cabling works including Ports terminations, Jack Panel, Rack for Jack Panels, LIU, appropriate connectors ,and other accessories etc). | | | | | | No’s | | | 3840 | | | | |  | | |  | | | |  | | | | | |  | |
| b | Supply of Structured Fiber cabling for count of ports as indicated-  (Fiber cabling including Ports terminations, Jack Panel, Rack for Jack Panels, face Plate, appropriate connectors and other accessories etc) | | | | | | No’s | | | 3840 | | | | |  | | |  | | | |  | | | | | |  | |
| c | Supply of Fiber Patch Cords  SC-LC OM3 50μm, duplex, multi-mode, patch cord, 3metre | | | | | | No’s | | | 3840 | | | | |  | | |  | | | |  | | | | | |  | |
| d | Supply of Fiber Patch Cords  SC-LC OM3 50μm, duplex, multi-mode, patch cord, 5meter | | | | | | No’s | | | 3840 | | | | |  | | |  | | | |  | | | | | |  | |
| 2 | Supply, Installation, Testing and Commissioning of Structured Copper Cabling | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Sl.No** | **Particulars** | | | | | | **Unit** | | | **Qty** | | | | | **Unit Rate (INR)** | | | **Amount (INR) (F) =(D)\*(E)** | | | | **Taxes (INR)** | | | | | | **Total Amount (INR) (H)=[(F)+(G)]** | |
| a | Design, installation & Implementation and minimum 20 years certification of Structured Copper cabling for count of ports as indicated –(Copper cabling Work including Ports terminations, Jack Panel, Rack for Jack Panels, face Plate, appropriate connectors and other accessories etc) | | | | | | No’s | | | 1920 | | | | |  | | |  | | | |  | | | | | |  | |
| b | Supply of Structured Copper cabling for count of ports as indicated –(Copper cabling including Ports terminations, Jack Panel, Rack for Jack Panels, face Plate, I/O, appropriate connectors and other accessories etc). | | | | | | No’s | | | 1920 | | | | |  | | |  | | | |  | | | | | |  | |
| c | Supply of Copper Patch Cords  Patch Cord Cat 6A(10G) UTP 2m | | | | | | No’s | | | 1920 | | | | |  | | |  | | | |  | | | | | |  | |
| d | Supply of Copper Patch Cords    Patch Cord Cat 6A(10G)  UTP 3m | | | | | | No’s | | | 1920 | | | | |  | | |  | | | |  | | | | | |  | |
|  | **TOTAL ON DEMAND FIXED COST** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |