

REQUEST FOR QUOTATION

FOR

**PROCUREMENT, INSTALLATION, COMMISSIONING &
MAINTENANCE FOR DEVELOPMENT OF
TECHNOLOGY LABS IN CENTRE OF EXCELLENCE IN
MUMBAI**

BY

TELECOM SECTOR SKILL COUNCIL (TSSC)

(Add: 3rd Floor, Plot no. 126, Sector-44, Gurugram, Haryana-122003)

Due Date: 20.11.2024

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DISCLAIMER

The information contained in this Request for Quotation document (the “RFQ”) or subsequently provided to Bidder(s), whether in documentary or any other form by or on behalf of the Authority or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this RFQ and such other terms and conditions subject to which such information is provided.

This RFQ is not an Agreement and is neither an offer nor invitation by the Authority to the prospective Bidders or any other person. The purpose of this RFQ is to provide interested parties with information that may be useful to them in making their financial offers (BIDs) pursuant to this RFQ. This RFQ includes statements, which reflect various assumptions and assessments arrived at by the Authority in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This RFQ may not be appropriate for all persons, and it is not possible for the Authority, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFQ. The assumptions, assessments, statements and information contained in the Quotation Documents may not be complete, accurate, adequate or correct. Each bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFQ and obtain independent advice from appropriate sources.

Information provided in this RFQ to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The Authority, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFQ or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFQ and any assessment, assumption, statement or information contained therein or deemed to form part of this RFQ or arising in any way for participation in this BID Stage.

The Authority also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFQ. The

Authority may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFQ.

The issue of this RFQ does not imply that the Authority is bound to select a Bidder or to appoint the Selected Bidder or Vendor, as the case may be, for the Project and the Authority reserves the right to reject all or any of the Bidders or BIDs without assigning any reason whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its BID including but not limited to preparation expenses associated with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its BID. All such costs and expenses will remain with the Bidder and the Authority shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the BID, regardless of the conduct or outcome of the Bidding Process.

TELECOM SECTOR SKILL COUNCIL

LETTER OF INVITATION

Dated: 30th October, 2024

To,

All Bidders/ Vendors

Sub: RFQ for development of Centre of Excellence in Mumbai for telecom technologies.

Dear Sir,

You hereby invited to participate in the submission of Financial Quotation (“the BID”) at this quotation stage for the aforesaid project (“procurement, installation, commissioning & maintenance for development of technology labs at a centre of excellence in Mumbai”) in accordance with the RFQ.

It may be noted that quotation shall be through online BIDs and BIDs should be submitted with sign and stamp of the authorized signatory. The BID can be submitted online only at rajat.dikshit@tsscindia.com on or before 11:59 p.m. IST on 20.11.2024. BID through any other mode shall not be entertained.

Please note that Telecom Sector Skill Council reserves the right to accept or reject all or any of the BIDs without assigning any reason whatsoever.

Thanking you,

Yours faithfully,

RAJAT DIKSHIT

SENIOR MANAGER

SECTION 1

INTRODUCTION

1.1 Background

1.1.1 Telecom Sector Skill Council (the “Authority”) is engaged in the development of Centres of Excellence and as part of this endeavour, the Authority has decided to undertake [development of technology labs at a centre of excellence in Mumbai] (the “Project”) through a Procurement, Installation, Commissioning & Maintenance Contract, and has decided to carry out the quotation process for selection of a Bidder to whom the Project may be awarded. The brief of particulars for the Project are as follows:

1.1.2 The selected Bidder (the “Vendor”) shall be responsible for procurement, installation, commissioning & maintenance of the Project to be entered into between the Vendor and the Authority in the form provided by the Authority as part of the Quotation Documents pursuant hereto. The Vendor shall also be responsible for the maintenance of the project during the Defect Liability Period, which is expected to be as per clause 1.1.3.

1.1.3 The scope of work will broadly include identification and procurement of tools & equipment for development of Centre of Excellence in key telecom technologies working towards emergent technologies including 5G Lab, Drone Lab, Internet of Things, Advanced Security & Surveillance, Telecom Line Assembly and Handheld Device Repair. Additionally, supporting tools and components such as LED TV Wall, Furniture, and Smartboards are also included in the scope of work (“SoW”). The SoW also includes the maintenance of the Project during the Defect Liability Period, which is expected to be 1 (one) year.

1.1.4 The Agreement sets forth the detailed terms and conditions for award of the project to the Vendor, including the scope of the Vendor’s services and obligations.

1.1.5 The statements and explanations contained in this RFQ are intended to provide a better understanding to the Bidders about the subject matter of this RFQ and should not be construed or interpreted as limiting in any way or manner the scope of services and obligations of the Vendor set forth in the Agreement or the Authority’s rights to amend, alter, change, supplement or clarify the scope of work, the work to be awarded pursuant to this RFQ or the terms thereof or herein contained. Consequently, any omissions, conflicts or contradictions in the Quotation Documents including this RFQ are to be noted, interpreted and applied appropriately to give effect to this intent, and no claims on that account shall be entertained by the Authority.

1.1.6 The Authority shall receive BIDs pursuant to this RFQ in accordance with the terms set forth in this RFQ and other documents to be provided by the Authority pursuant to this RFQ (collectively the "Quotation Documents"), and all BIDs shall be prepared and submitted in accordance with such terms on or before the BID due date specified in Clause 1.3 for submission of BIDs (the "BID Due Date").

1.2 Brief description of Quotation Process

1.2.1 Bidders may submit quotations for one or more of the technology labs outlined in Appendix-III, based on their existing strengths/expertise. The evaluation of each technology lab will be done individually and selection of vendors will be done on a per-lab-basis and a separate work order will be issued for each particular lab.

1.2.2 The Authority has adopted a process (collectively referred to as the "Quotation Process") for selection of the Bidder for award of the Project. Interested parties in accordance with the provisions of the RFQ are eligible for participation in this Quotation Process comprising Request for Quotations.

1.2.3 The BID shall be valid for a period of not less than 120 days from the date specified in Clause 2.9.2 for submission of BIDs (the "BID Due Date").

1.2.4 The Quotation Documents includes the detailed project document. Subject to the provisions of Clause 2.1.3, the aforesaid documents and any addenda issued subsequent to this RFQ Document, will be deemed to form part of the Quotation Documents.

1.2.5 Bidders are advised to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective BIDs for award of the contract including implementation of the Project.

1.2.6 BIDs will be invited for the Project on the basis of the lowest cost required by a Bidder for implementing the Project (the "BID Price"). The total time allowed for completion of work under the Agreement (the "Work Period") and the period during which the Vendor shall be liable for maintenance and rectification of any defect or deficiency in the Project after completion of the Work Period (the "Defect Liability Period") shall be pre-determined, and are specified Quotation Documents.

In this RFQ, the term "Lowest Bidder" shall mean the Bidder who quotes the lowest BID price with best technical specifications.

1.2.7 Generally, the Lowest Bidder with the best technical specifications shall be the selected Bidder. In case such Lowest Bidder withdraws or is not selected for whatsoever reason, the Authority shall approach the next lowest Bidder for completion of work.

1.2.8 Further and other details of the process to be followed at the BID Stage and the terms thereof are spelt out in this RFQ.

1.2.9 Any queries or request for additional information concerning this RFQ shall be submitted by e-mail to the officer designated in Clause 2.9.2 below with identification/ title: "Queries / Request for Additional Information: RFQ for Development of technology Labs at Centre of Excellence – Project".

1.2.10 The vendors who shall be selected post bidding process shall furnish a 'Performance Security' in the form of a 'Post-Dated Cheque', which will be amounting to 20% of the work order issued to them.

SECTION-2 INSTRUCTIONS TO BIDDERS

A. GENERAL

2.1. General terms of Quotation

2.1.1 No Bidder shall submit more than one BID for the Project. A Bidder shall not be entitled to submit another BID.

2.1.2 Unless the context otherwise requires, the terms not defined in this RFQ, but defined in the Detailed Project Report Document for the Project (the “DPR”) shall have the meaning assigned thereto in the DPR.

2.1.3 The Detailed Project Report of the Project is being provided only as a preliminary reference document by way of assistance to the Bidders who are expected to carry out their own surveys, investigations and other detailed examination of the Project before submitting their BIDs. Nothing contained in the Detailed Project Report shall be binding on the Authority nor confer any right on the Bidders, and the Authority shall have no liability whatsoever in relation to or arising out of any or all contents of the Detailed Project Report.

2.1.4 Notwithstanding anything to the contrary contained in this RFQ, the detailed terms specified in the draft Agreement shall have overriding effect; provided, however, that any conditions or obligations imposed on the Bidder hereunder shall continue to have effect in addition to its obligations under the Agreement.

2.1.5 The BID shall be furnished in the format exactly as per Appendix-II, clearly indicating the BID amount in both figures and words, in Indian Rupees, and signed by the Bidder’s authorized signatory. In the event of any difference between figures and words, the amount indicated in words shall be taken into account.

2.1.6 Any condition or qualification or any other stipulation contained in the BID shall render the BID liable to rejection as a non-responsive BID.

2.1.7 The BID and all communications in relation to or concerning the Quotation Documents and the BID shall be in English language.

2.1.8 The documents including this RFQ and all attached documents, provided by the Authority are and shall remain or become the property of the Authority and are transmitted to the Bidders solely for the purpose of preparation and the submission of a BID in accordance herewith. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation

and submission of their BID. The provisions of the Clause 2.1.9 shall also apply mutatis mutandis to BIDs and all other documents submitted by the Bidders, and the Authority will not return to the Bidders any BID, document or any information provided along therewith.

2.1.9 A Bidder shall not have a conflict of interest (the “Conflict of Interest”) that affects the Quotation Process. Any Bidder found to have a Conflict of Interest shall be disqualified. A Bidder shall be deemed to have a Conflict of Interest affecting the Quotation Process, if:

- (i) a constituent of such Bidder is also a constituent of another Bidder; or
- (ii) such Bidder receives or has received any direct or indirect subsidy, grant, concessional loan or subordinated debt from any other Bidder, thereof or has provided any such subsidy, grant, concessional loan or subordinated debt to any other Bidder thereof; or
- (iii) such Bidder has the same legal representative for purposes of this Application as any other Bidder; or
- (iv) such Bidder, has a relationship with another Bidder, directly or through common third party/ parties, that puts either or both of them in a position to have access to each other’s’ information about, or to influence the Application of either or each other; or
- (v) such Bidder, has participated as a consultant to the Authority in the preparation of any documents, design or technical specifications of the Project.

2.1.10 This RFQ is not transferable.

2.1.11 Any award of Project pursuant to this RFQ shall be subject to the terms of Quotation Documents and also fulfilling the criterion as mentioned in clause 2.1.12 & 2.1.13.

2.1.12 Any entity which has been barred by the Central/ State Government, or any entity controlled by it, from participating in any project, and the bar subsists as on the date of Application, would not be eligible to submit the BID.

2.1.13 The Bidder, in the last 3 (three) years, have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder, as the case may be, nor has been expelled from any project or contract by any public entity nor have had any contract terminated by any public entity for breach by such Bidder.

2.1.13.1 The Bidder may provide details of all their on-going projects along with updated stage of litigation, if so, against the Authority / Governments.

2.1.13.2 The Bidder may also provide details of updated on-going process of blacklisting if so, under any contract with Authority / Government.

2.1.13.3 The Authority reserves the right to reject an otherwise eligible Bidder on the basis of the information provided under clause 2.1.13. The decision of the Authority in this case shall be final.

2.2 Cost of Quotation

The Bidders shall be responsible for all of the costs associated with the preparation of their BIDs and their participation in the Quotation Process. The Authority will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the Quotation Process.

2.3 Verification of information

2.3.1 It shall be deemed that by submitting a BID, the Bidder has:

- (a) made a complete and careful examination of the Quotation Documents;
- (b) received all relevant information requested from the Authority;
- (c) accepted the risk of inadequacy, error or mistake in the information provided in the Quotation Documents or furnished by or on behalf of the Authority. No claim shall be admissible at any stage on this account.
- (d) satisfied itself about all matters, things and information including matters necessary and required for submitting an informed BID, execution of the Project in accordance with the Quotation Documents of all of its obligations thereunder;
- (e) acknowledged and agreed that inadequacy, lack of completeness or incorrectness of information provided in the Quotation Documents or ignorance of any kind shall not be a basis for any claim for compensation, damages, extension of time for performance of its obligations, loss of profits etc. from the Authority, or a ground for termination of the Agreement by the Vendor;
- (f) acknowledged that it does not have a Conflict of Interest; and
- (g) agreed to be bound by the undertakings provided by it under and in terms hereof.

2.3.2 The Authority shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to DPR, RFQ, the Quotation Documents or the Quotation Process, including any error or mistake therein or in any information or data given by the Authority.

2.4 Verification and Disqualification

2.4.1 The Authority reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFQ, the DPR or the Quotation Documents and the Bidder shall, when so required by the Authority, make available all such information, evidence and documents as may be necessary for such verification. Any such verification, or lack of such verification, by the Authority shall not relieve the Bidder of its obligations or liabilities hereunder nor will it affect any rights of the Authority thereunder.

2.4.2 The Authority reserves the right to reject any BID if:

- (a) at any time, a material misrepresentation is made or uncovered, or
- (b) the Bidder does not provide, within the time specified by the Authority, the supplemental information sought by the Authority for evaluation of the BID.

Such misrepresentation/ improper response shall lead to the disqualification of the Bidder.

B. DOCUMENTS

2.5 Contents of the RFQ

2.5.1 This RFQ comprises the Disclaimer set forth hereinabove, the contents as listed below, and will additionally include any Addenda issued in accordance with Clause 2.7.

Part – I

Invitation for BIDs

- Section 1. Introduction
- Section 2. Instructions to Bidders
- Section 3. Evaluation of BIDs
- Section 4. Miscellaneous

Appendices

- I. Letter comprising the BID
- II. Detailed Project Report
- III. Tools & Equipment

2.5.2 The draft Agreement and the Detailed Project Report provided by the Authority as part of the BID Documents shall be deemed to be part of this RFQ.

2.6 Clarifications

2.6.1 Bidders requiring any clarification on the RFQ may notify the Authority in writing by e-mail in accordance with Clause 1.2.9. They should send in their queries on or before the date mentioned in the Schedule of Quotation Process specified in Clause 2.10. The Authority shall endeavour to respond to the queries within the period specified therein, but no later than 3 (three) days prior to the BID Due Date. The responses will be sent by e-mail.

2.6.2 The Authority shall endeavour to respond to the questions raised or clarifications sought by the Bidders. However, the Authority reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring the Authority to respond to any question or to provide any clarification.

2.6.3 The Authority may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Bidders. All clarifications and interpretations issued by the Authority shall be deemed to be part of the Quotation Documents. Verbal clarifications and information given by Authority or its employees or representatives shall not in any way or manner be binding on the Authority.

2.7 Amendment of RFQ

2.7.1 At any time prior to the BID Due Date, the Authority may, for any reason, whether at its own initiative or in response to clarifications requested by a Bidder, modify the RFQ by the issuance of Addenda.

2.7.2 Any Addendum issued hereunder will be in writing and shall be sent to all the Bidders.

2.7.3 In order to afford the Bidders a reasonable time for taking an Addendum into account, or for any other reason, the Authority may, in its sole discretion, extend the BID Due Date.

C. PREPARATION AND SUBMISSION OF BIDS

2.8 Format and Signing of BID

2.8.1 The Bidder shall provide all the information sought under this RFQ. The Authority will evaluate only those BIDs that are received online in the required formats and complete in all respects are received in soft copies.

2.8.2 The BID shall be typed and signed in indelible blue ink by the authorized signatory of the Bidder. All the alterations, omissions, additions or any other amendments made to the BID shall be initialled by the person(s) signing the BID.

2.9 Documents comprising Technical and Financial BID

2.9.1 The Bidder shall submit the BID online at details mentioned in Clause 2.9.2 comprising of the following documents along with supporting documents as appropriate:

- (a) Technical & Commercial BID
- (b) Appendix-I, Appendix-II, Appendix-III.

2.9.2 The e-mail shall be addressed to one of the following officers and shall be submitted at the respective e-mail address:

(i)	ATTN. OF: DESIGNATION: PHONE NO: E-MAIL ADDRESS:	Mr. RAJAT DIKSHIT SENIOR MANAGER 8377004166 rajat.dikshit@tsscindia.com
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2.9.3 BIDs submitted by fax, telex, telegram or physical shall not be entertained and shall be rejected.

2.10 BID Due Date

Technical & Financial BID comprising of the documents listed at clause 2.9.1 of the RFQ shall be submitted online at details mentioned in Clause 2.9.2 on or before 11:59 p.m. IST on 20.11.2024 at the e-mail address provided in Clause 2.9.2 in the manner and form as detailed in this RFQ. A receipt thereof should be obtained from the person specified at Clause 2.9.2.

2.11 Late BIDs

TSSC shall not allow submission of any BID after the prescribed date and time at clause 2.10 shall not be considered and the BID shall be summarily rejected.

2.12 Rejection of BIDs

2.12.1 Notwithstanding anything contained in this RFQ, the Authority reserves the right to reject any BID and to annul the Quotation Process and reject all BIDs at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons therefor. In the event that the Authority rejects or annuls all the BIDs, it may, in its discretion, invite all eligible Bidders to submit fresh BIDs hereunder.

2.12.2 The Authority reserves the right not to proceed with the Quotation Process at any time, without notice or liability, and to reject any BID without assigning any reasons.

2.13 Validity of BIDs

The BIDs shall be valid for a period of not less than 120 (one hundred and twenty) days from the BID Due Date. The validity of BIDs may be extended by mutual consent of the respective Bidders and the Authority.

2.14 Confidentiality

Information relating to the examination, clarification, evaluation and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising the Authority in relation to, or matters arising out of, or concerning the Quotation Process. The Authority will treat all information, submitted as part of the BID, in confidence and will require all those who have access to such material to treat the same in confidence. The Authority may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or the Authority or as may be required by law or in connection with any legal process.

2.15 Correspondence with the Bidder

Save and except as provided in this RFQ, the Authority shall not entertain any correspondence with any Bidder in relation to acceptance or rejection of any BID.

SECTION-3

EVALUATION OF BIDS

3.1 Evaluation of BIDs

3.1.1 The Authority reserves the right to reject any BID which is incomplete and no request for alteration, modification, substitution or withdrawal shall be entertained by the Authority in respect of such BID.

3.2 Selection of Bidder

3.2.1 The Bidder who BIDs lowest price and best technical strength/support shall be declared as the selected Bidder (the "Selected Bidder"). In the event that the Authority rejects or annuls all the BIDs, it may, in its discretion, invite all eligible Bidders to submit fresh BIDs hereunder.

3.2.2 In the event that two or more Bidders BID the same BID price (the "Tie BIDs"), and found to be the Authority shall identify the Selected Bidder by draw of lots, which shall be conducted, with prior notice, in the presence of the Tie Bidders who choose to attend.

3.2.3 In the event that the Lowest Techno-Commercial Bidder is not selected for any reason, the Authority shall select the next lowest Techno-Commercial Bidder.

3.2.4 LOA Process - After selection, a Letter of Award (the "LOA") shall be issued, in duplicate, by the Authority to the Selected Bidder and the Selected Bidder shall, within 7(seven) days of the receipt of the LOA, sign and return the duplicate copy of the LOA in acknowledgement thereof. In the event the duplicate copy of the LOA duly signed by the Selected Bidder is not received by the stipulated date, the Authority may, unless it consents to extension of time for submission thereof, reject such Bidder.

3.2.5 After acknowledgement of the LOA as aforesaid by the Selected Bidder, it shall cause the Bidder to execute the Agreement within the period prescribed in Clause 1.3. The Selected Bidder shall not be entitled to seek any deviation, modification or amendment in the Agreement.

SECTION-4
MISCELLANEOUS

4.1 The Quotation Process shall be governed by, and construed in accordance with, the laws of India and the Courts at [Gurugram] shall have exclusive jurisdiction over all disputes arising under, pursuant to and/ or in connection with the Quotation Process.

4.2 The Authority, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to;

- (a) suspend and/ or cancel the Quotation Process and/ or amend and/ or supplement the Quotation Process or modify the dates or other terms and conditions relating thereto;
- (b) consult with any Bidder in order to receive clarification or further information;
- (c) retain any information and/ or evidence submitted to the Authority by, on behalf of, and/ or in relation to any Bidder; and/ or
- (d) independently verify, disqualify, reject and/ or accept any and all submissions or other information and/ or evidence submitted by or on behalf of any Bidder.

4.3 It shall be deemed that by submitting the BID, the Bidder agrees and releases the Authority, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/ or performance of any obligations hereunder, pursuant hereto and/ or in connection with the Quotation Process and waives, to the fullest extent permitted by applicable laws, any and all rights and/ or claims it may have in this respect, whether actual or contingent, whether present or in future.

4.4 The Detailed Project Report Documents and RFQ are to be taken as mutually explanatory and, unless otherwise expressly provided elsewhere in this RFQ, in the event of any conflict between them the priority shall be in the following order:

- (a) the Detailed Project Report Documents;
- (b) the RFQ.

i.e. the Quotation Documents at (a) above shall prevail over the RFQ at (b) above.

APPENDIX - I

Letter comprising the Technical & Financial BID

Dated:

[Senior Manager, TSSC]

[Address of concerned Authority]

Sub: BID for procurement, installation, commissioning & maintenance for development of technology labs at a centre of excellence in Mumbai Project

Dear Sir,

With reference to your RFQ document dated, I/we, having examined the Quotation Documents and understood their contents, hereby submit my/our BID for the aforesaid Project. The BID is unconditional.

2. I/ We acknowledge that the Authority will be relying on the information provided in the BID and the documents accompanying the BID for selection of the Vendor for the aforesaid Project, and we certify that all information provided therein is true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the BID are true copies of their respective originals.

3. This statement is made for the express purpose of our selection as Vendor for the procurement, installation and commissioning of the aforesaid Project and maintenance of the Project during the Defect Liability Period.

4. I/ We shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the BID.

5. I/ We acknowledge the right of the Authority to reject our BID without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.

6. I/ We certify that in the last three years, we have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.

7. I/ We declare that:

- (a) I/ We have examined and have no reservations to the Quotation Documents, including any Addendum issued by the Authority; and
- (b) I/We do not have any conflict of interest in accordance with Clauses 2.1.12 and 2.1.13 of the RFQ document; and
- (c) I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in Clause 4.3 of the RFQ document, in respect of any tender or request for Quotation issued by or any Agreement entered into with the Authority or any other public sector enterprise or any government, Central or State; and
8. I declare that we are not submitting any other BID for the Project.
9. I certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
10. I further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law.
11. I further certify that no investigation by a regulatory authority is pending either against us or against our CEO or any of our directors/ managers/ employees.
12. I undertake that in case due to any change in facts or circumstances during the Quotation Process, we are attracted by the provisions of disqualification in terms of the guidelines referred to above, we shall intimate the Authority of the same immediately.
13. I/ We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of the Bidder, or in connection with the Quotation Process itself, in respect of the above-mentioned Project and the terms and implementation thereof.
14. In the event of my/ our being declared as the Selected Bidder, I/we agree to enter into an Agreement in accordance with the draft that has been provided to me/us prior to the BID Due Date. We agree not to seek any changes in the aforesaid draft and agree to abide by the same.
15. I/ We have studied all the Quotation Documents carefully. We understand that except to the extent as expressly set forth in the Agreement, we shall have no claim, right or title arising out of any

documents or information provided to us by the Authority or in respect of any matter arising out of or relating to the Quotation Process including the award of Agreement.

16. The documents accompanying the BID, as specified in Clause 2.11.2 of the RFQ, have been submitted in a separate envelope and marked as “Enclosures of the BID”.

17. I/ We agree and understand that the BID is subject to the provisions of the Quotation Documents. In no case, I/we shall have any claim or right of whatsoever nature if the Project / Contract is not awarded to me/us or our BID is not opened or rejected.

18. I/ We agree and undertake to abide by all the terms and conditions of the RFQ document.

19. I/ We shall keep this offer valid for 120 (one hundred and twenty) days from the BID Due Date specified in the RFQ.

In witness thereof, I/we submit this Technical BID under and in accordance with the terms of the RFQ document.

Yours faithfully,

Date: (Signature, name and designation of the Authorized signatory)

Place: Name and seal of Bidder

Class III DSC ID of Authorized Signatory:

APPENDIX-II

DETAILED PROJECT REPORT DOCUMENT

1. Project Overview

1.1 Project Title: Procurement, installation, commissioning & maintenance for development of technology labs at a centre of excellence in Mumbai

1.2 Project Objective: To procure and install state-of-the-art equipment and software to enhance the practical learning capabilities of students, in Mumbai. The labs, each cater to a different telecom technology and will support the training of youth in these employable hard skills.

1.3 Project Scope:

1.3.1 Identification and procurement of necessary equipment and software.

1.3.2 Installation and configuration of hardware and software.

1.3.3 Training and capacity building for faculty and students on the use of new equipment.

1.4 Project Timeline: 45 days, including design and execution

2. Project Justification

The procurement and installation of advanced technology lab equipment is essential to:

2.1 Enhance the quality of skill development training.

3. Equipment and Software Requirements

A detailed list of equipment and software will be prepared based on the specific needs of the CoE.

This list will be finalized after consultation with faculty and industry experts. Some potential equipment and software categories include:

3.1 Hardware: As specified in Appendix-III

3.2 Software: As specified in Appendix-III

4. Procurement Process

The procurement process will follow the following steps:

4.1 Requirement Analysis: Detailed analysis of the equipment and software needs.

4.2 Vendor Selection: Identification and selection of reputable vendors.

4.3 Tendering Process: Preparation and issuance of tender documents, evaluation of bids, and contract award.

4.4 Purchase Order Issuance: Issuance of purchase orders to selected vendors.

5. Installation and Commissioning

The installation and commissioning of equipment will be carried out by:

5.1 Vendor-Provided Services: The selected vendor will provide installation and commissioning services for their respective Scope of Work.

7. Project Monitoring and Evaluation

Regular monitoring and evaluation will be conducted to:

- 7.1 Track project progress and adherence to the timeline and budget.
- 7.2 Assess the impact of the new equipment on research, innovation, and student learning.
- 7.3 Identify areas for improvement and take corrective actions.

8. Quotation Format for Labs

Each lab must be individually represented in the quotation in the following format:

LAB NAME

S. No.	Item	Quantity	Unit Cost	GST	Total Cost

APPENDIX-III
TECHNICAL SPECIFICATIONS OF TOOLS AND EQUIPMENT

This document outlines the technical requirements under this project. The following is the list of tools, divided by specialization, to be procured, installed, commissioned and maintained under this project.

A. 5G LAB

S. No.	RF Module: Physical Infrastructure	Unit
1	L3 Router- Switching and Routing of networks	1
2	RU + Core	1
	a. eCPRI connection	1
	b. ASIG Cable	1
3	c. Baseband Unit	1
4	d. 5G multi combiner	1
5	e. RAN Service Management	1
6	5G Test Handsets	2
	Passive Infrastructure:	
7	Tower - 3 Mtr.	1
8	Regular Telecom rack cum cabinet - 19inch Transmission rack	1
9	Telecom Installer tool kit	1
	Additional equipment	
10	PPE & Safety Kit - Green Helmet with Jacket	1
11	Tower Climbing kit (incl. carabiners, tower harness,)	1

B. IOT LAB

Sl. No.	Item Description	No of units
A.	Quotation for IoT Lab	
1	IoT Data Logger with Wi-Fi and Ethernet Wi-Fi Facility, PC interface with software	5
2	Wi-Fi IoT Node with battery ready to use	5
3	IoT Embedded Development System: With various wireless protocols, and interfaces, like GSM, WIFI, Ethernet Zigbee etc. With Arduino and arm daughter boards and cloud app Libraries and teaching material	5
4	Raspberry Pi with Accessories & Arduino Nano Board	5
5	Set of Common Sensor Temperature & Humidity Sensor Motion Sensor Smoke Sensor Contact Sensor Accelerometers Current Sensor	5
B.	Consumable for Projects	
1	General Purpose PCB and components	20
2	Wi-Fi Interface Module	5
3	GPS Interface	5
4	Bluetooth Interface:	5
5	GSM & RFID Interface	5
C.	IoT for Lighting	
1	IoT WIFI Controller with Mobile App	1
2	Relay Board	1
3	LED Lights with WIFI	3
4	Access Controlled WIFI Door (Hardware and Software)	1
D.	Testing Equipment's	
1	DSO 100 MHz	2
2	Digital Multimeter	3
3	Soldering & Desoldering Machine	3
4	Power supply 5,12, -12volt	3
E.	Basic Infrastructure	
1	Short throw Projector	1
2	Interactive White Board	1
3	32 inch Digital Signage Notice Board	1
4	50 Inch Smart 4K Display	1
F.	IoT Environmental Weather Kit	
1	PM 2.5 & PM10 Sensor	1

2	Wind Speed Sensor	1
3	CO2 Sensor	1
4	Temperature & Humidity Sensor	1
5	Pressure Sensor & Rain drop Sensor	1
6	Wi-Fi IoT Node with battery ready to use	1
7	IoT Embedded Development System: With various wireless protocols, and interfaces, like GSM, WIFI, Ethernet Zigbee etc. with Arduino and arm daughter boards and cloud app Libraries and teaching material	1
G.	IoT Agriculture Kits	
1	Soil Moisture Sensor	1
2	Soil Temperature Sensor	1
3	Wi-Fi IoT Node, with battery ready to use	1
4	IoT Embedded Development System: With various wireless protocols, and interfaces, like GSM, WIFI, Ethernet Zigbee etc with Arduino and arm daughter boards and cloud app Libraries and teaching material & Rain Drop Sensor	1
5	Drip Irrigation Modules and pumps for Agriculture setup	1
H.	IoT Water Quality Monitoring Kits	
1	IoT WIFI Node	2
2	PH Sensor with Analog Out	1
3	DO Sensor with Analog Out	1
4	TDS Sensor with Analog Out	1
I.	Smart Health Monitoring	
1.	Blood pressure monitoring	1
2.	Pulse oximeter sensor	1
3.	Contactless temperature sensor	1
4.	Smart WIFI Node for data communication	1
5.	Working Demo and Test setup	1
6.	Software, Dashboard, Analytics and APP	1
J.	Energy Monitoring Solution	
1	Energy meter With Communication Interface	1
2	WIFI Smart Node for meter reading	1
3	Working Demo test bench for Electric Load simulation	1
4	Software, Dashboard, Analytics and APP	1

C. ADVANCED SECURITY AND SURVEILLANCE LAB

S. No.	Item Description	No of units
A.	CCTV Equipment's	
1	8-Port Switch –	4
2	Keyboard & Mouse -	6
3	HDMI Cables	6
4	Bosch IP Camera (NBE-5503-AL) Bullet 5MP HDR 2.7- 12mm auto, IP67, IK10	2
5	2MP CP PLUS Cameras with Motorized Varifocal lens (2.7mm to 13.5mm), High Light Compensation (CP-UNC- TB21ZL6S-VMD)	4
6	12V SMPS with DC Pins-8 Channel	2
7	4 port POE CPPL us/Similar	1
8	NVIDIA Jetson Nano with Developer kit for GW and local analytics (For LPR and Face) with casing and power adaptor	3
9	Raspberry Pi 4 with casing and power adaptor	4
10	128GB Memory Card for Jetson Nano	3
11	64GB Memory Card for Raspberry Pi	4
12	Relays with spare	8
13	Hooters (regular siren, ambulance siren)	8
14	Boom Barrier for vehicle entry/exit on License Plate Recognition	1
15	Magnetic door lock for person entry/exit on Face Recognition	1
16	Miscellaneous like patch cords, 3 core power cable, LAN cable etc	1

S. No.	Item Description	Qty.
1	VMS license subscription for 2 years	6
2	Analytics license subscription for 2 years	10

D. ADVANCED MOBILE REPAIR LAB

S. NO.	ITEMS	No of units
1	SMD REWORK STATION	15
2	DC POWER SUPPLY	4
3	MICROSCOPE	3
4	LASER MACHINE	1
5	OCA LAMINATION MECHINE	1
6	DISPLAY SEPERATOR	2
7	DRYER	1
8	FREEZER	1
9	SHIELD CUTTER	2
10	OCA CLEANING VIBRATOR	2
11	OCA SILICONE ROLLER, BATTERY BOOSTERS,	2
14	CABLE SET (ANDROID & APPLE)	1
15	MICRO SOLDERING IORN	1
16	SHORT KILLER	1
17	CONSUMEABLES (FLUX, LIQUID FLUX, TUBE FLUX, PPD, COPPER WIRE, LEAD, STENCIL, THINNER BOTTLE, CLEANING CLOSTH, SEPERATING WIRE,OCA,CLEANING LIQUID,ROSIN FLUX & DISPOSER,UV GUM,POLARIZED SCREEN & LIQUID,GUM REMOVING LIQUID)	
18	ELECTRIC SCREW DRIVER	2
19	OPENING TOOLS	30
20	DIGITAL MULTIMETER	30
21	ANALOUGE MULTIMETER	10
22	SCRAP MOTHER BOARD	100
23	FEATURE PHONE	15
24	SMART PHONES DEFECTIVE	60
25	SMARTPHONE 4G WORKING	60
28	USB /OTHER CONNECTORS	100
29	UFI	1
30	UMT PRO	1
31	MIRACLE	1
32	Z3X	1
33	EFT	1
34	UNLOCK TOOL	1
35	JC PRO	1

36	DEFECTIVE DISPLAY	100
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S. No	ITEMS	Qty
1	FLUX	50
2	LIQUID FLUX	10
3	TUBE FLUX	10
4	PPD	30
5	COPPER WIRE	60
6	LEAD	20
7	STENSIL	30
8	THINNER BOTTLE	10
9	CLEANING CLOTH	100
10	SEPERATING WIRE	10
11	OCA	150
12	CLEANING LIQUID (530 ETC)	10
13	ROSIN FLUX	10
14	ROSIN FLUX DISPOSER	2
15	UV GUM	10
16	UV LIGTH	2
17	POLARIZED SCREEN (LED&LCD)	20
18	POLARISATION LIQUID	10
19	GUM IC REMOVING TOOLS	10
20	GUM REMOVING LIQUID	10

E. TELECOM LINE ASSEMBLY LAB

S. No.	Items	Units
1	Rework Station	3
2	Model with sub assys (Smartphone, Keypad phone)	10
3	Electric / Pneumatic Torque Screwdriver (1/2inch square)	1
4	Conveyor Pallet	1
5	Hot air gun/ blower	2
6	Digital Multimeter. Soldering iron, tweezers, cleaning brush	2
7	Hot Air Blower	3
8	DC Power Supply	2
9	ESD wrist strip	30
10	Black/White Board	1
11	Transistors 4&5 band, Capacitors, SMD, Inductors, Diodes (in multiple values)	10
12	Lead screws with ultra-fine pitch	25
13	Squeezing Forceps (two different types) & Strippers	10
14	Soldering Tester	2
15	Magnifying Lamp & Glass (Digital)	5
16	Glue Stick Melter/ guns, Multimeter,	2
17	Soldering Sets Solder Gun (Temperature controlled) & iron tips, Soldering Wire, LED RHOS, Soldering Paste, Goggles, De-soldering Pump	10
18	Ultrasonic Cleaner Machine	2
19	Screw Drivers, wrist strap, openers, connecting cables, solder wire, soldering flux, cleaning solution, PCB holder)	5
20	Lcd Glass Separator	3
21	Matching Connector/Adaptors	5
22	LCD Tester	3
23	Black/White Board	1
24	Nose Plier	5
25	Antistatic Gloves and Mats	6
26	Battery Booster	3

F. DRONE LAB

S. No.	Item	Quantity
1	Precision Agriculture Drone with software and spare parts for learning purpose	1
2	Infrastructure Inspection Drone with software and spare parts for learning purpose	1
3	Emergency Response Drone with software and spare parts for learning purpose	1
4	Delivery Services Drone with software and spare parts for learning purpose	1
5	AI Analytics Software License	1

G. LED TV WALL

S. No.	Model/ Specs	Qty
1	55inch Samsung LED thin bezel Monitor of 24x7type. Bezel - Bezel gap of 3.5mm. 500 NITS brightness. HDMI, DVI-D, Display Port Inputs. Digital Daisy Chain Connect Up to 16 Displays. Non-glare panels evenly distribute light across the screen to maintain vibrant and accurate content. VESA 600x400. SET DIMS: 1213.5 x 684.3 x 73.1MM <i>[3Year Warrantee by Samsung]</i>	6
2	Wall Mount Kit for Samsung Display in Video wall format (Push / Pull type	6
3	precision mounts)	
4	Samsung VIDEO WALL CONTROLLER – 8 IN x 8 OUT DVI	1
5	Video Wall controller with preview over IP (via software). Multiple presets. APP for Controlling Presets via IPAD. 2U -Chassis.	
6	DVI-D- HDMI adaptor	12
7	Manhattan HDMI Cables, 4k UHD compliant V2.0. 15mtr	7
8	Manhattan HDMI Cables, 4k UHD compliant V2.0. 3mtr	10
9	Manhattan HDMI Cables, 4k UHD compliant V2.0. 1mtr	9
10	Manhattan HDMI over CAT6 Extender V2.0 with HDMI Loop Out in Transmitter [Cat6 cable 12mtr included]	6
11	WIFI Router	1
12	Apple iPad Tablet 64GB Wi-Fi	1

H. FURNITURE

Sr. No.	Item Description	Qty.
1	Vertical roller blinds work (pelmet and installation cost inclusive) Approx	200
2	Smart work station, Table Top 25 mm sq. (4×2) ft. with powder coated legs	76
3	Pedestal 3-drawers central lock	9
4	Horizontal partition aligned to wall (if needed)	18
5	Mid/High Back Chair	76
6	Almirah (Wooden/Metal)	2

I. SMART LEARNING SYSTEM

S. No.	Item Description	Qty
1	Pen Touch PTW 86/86" All-in-One Interactive Flat Panel with Android 11.0; 4 GB RAM; 4k GUI, 500 nits Brightness, 2 x 20W Stereo Speakers, 8 MOHS Toughened Glass, Type C Port,32 GBROM With Inbuilt Screen Recorder, Wi-Fi and Bluetooth Connectivity	1
2	OPS Server PC (i5; 8GB RAM; 256 SSD Storage) With window 10 key License	
3	Audio System	
4	Wall Mount Bracket	
5	Installation & Training Charges of Software & Hardware	