

Dated: 20th December 2024

REQUEST FOR QUOTATION

FOR

**PROCUREMENT, INSTALLATION, COMMISSIONING &
MAINTENANCE FOR DEVELOPMENT OF TECHNOLOGY
LABS FOR 10 LOCATIONS (PAN INDIA)**

BY

TELECOM SECTOR SKILL COUNCIL (TSSC)

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

Due Date: 29.12.2024

Disclaimer:

The information provided in this RFQ is for informational purposes only and does not constitute a binding offer or commitment. Bidders are solely responsible for conducting their own due diligence and should not rely solely on the information provided herein. Bidders shall bear all costs associated with preparing and submitting their bids, regardless of the outcome of the bidding process.

Invitation for RFQ:

You are 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 across 10 locations”) 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 29.12.2024. 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.

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SECTION – I

INTRODUCTION

SPECIFICATIONS:

1.1.1 Telecom Sector Skill Council (the “Buyer”) is engaged in providing skill development training and as part of this endeavour, the Buyer has decided to undertake [development of technology labs across 10 locations] (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 Buyer in the form provided by the Buyer 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 (“SoW”) will broadly include identification and procurement of tools & equipment for job roles including Infrastructure Technician - 5G Networks, Fiber to-the Home (FTTH/X) Installer, Wireless Technician, Telecom Rigger – 5G and Legacy Networks & Technician 5G – Active Network Installation. The SoW also includes the maintenance of the Project during the Defect Liability Period, which will be 1 (one) year.

1.2 Brief description of Quotation Process

1.2.1 The BID shall be valid for a period of not less than 120 days from the date specified in Invitation Letter for submission of BIDs (the “BID Due Date”).

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

1.2.3 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”) are specified in clause 1.1.3.

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

1.2.4 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 Buyer shall approach the next lowest Bidder for completion of work.

1.2.5 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 – II

BIDDER INSTRUCTIONS

A. GENERAL

2.1. General terms of Quotation

- 2.1.1 No Bidder shall submit more than one BID for the Project.
- 2.1.2 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
- 2.1.3 **The vendor will submit a Bank Guarantee of 25% of project value on signing the contract.**
- 2.1.4 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 2.1.5 & 2.1.6.
- 2.1.5 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.
- 2.1.6 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 Buyer 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.
- 2.1.6.1 The Bidder may provide details of all their on-going projects along with updated stage of litigation, if so, against the Buyer / Governments.
- 2.1.6.2 The Bidder may also provide details of updated on-going process of blacklisting if so, under any contract with Buyer / Government.
- 2.1.6.3 The Buyer reserves the right to reject an otherwise eligible Bidder on the basis of the information provided under clause 2.1.6. The decision of the Buyer in this case shall be final.

2.2 Verification of information

- 2.2.1 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 Buyer;
- (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 Buyer. 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 Buyer, 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.

2.2.2 The Buyer 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 Buyer.

2.2.3 **Delivery Schedule:** The selected bidder will have to deliver the tools and Equipment within 15 days of issuance of the Purchase order. Any deviation from the timeline will result in penalty levied at the rate of INR 10,000 per day of delay.

2.2.3 **Payment Terms:** The selected bidder will have to agree with the following terms of payment:

2.3.2.1 25% of the project cost will be paid as advance on the project.

2.3.2.2 50% of the project cost will be paid on delivery of tools & equipment.

2.3.2.3 25% of the project cost will be paid upon installation, commissioning and testing of the tool & equipment as defined in RFQ Document.

B. DOCUMENTS

2.3 Contents of the RFQ

2.3.1 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. Appendices

Appendices

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

2.4 Clarifications

2.4.1 Bidders requiring any clarification on the RFQ may notify the Buyer in writing by e-mail to person designated in clause 2.7.2. They should send in their queries on or before the date mentioned in the Schedule of Quotation Process specified in Clause 2.8. The Buyer 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.

2.5 Amendment of RFQ

2.5.1 At any time prior to the BID Due Date, the Buyer 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.

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

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

C. PREPARATION AND SUBMISSION OF BIDS

2.6 Format and Signing of BID

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

2.7 Documents comprising Technical and Financial BID

2.7.1 The Bidder shall submit the BID online at details mentioned in Clause 2.7.2 comprising of the following documents along with supporting documents as appropriate:

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

2.7.2 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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2.7.3 BIDs submitted by fax, telex, telegram or physical shall not be entertained and shall be rejected.

2.8 BID Due Date

Technical & Financial BID comprising of the documents listed in section-III of the RFQ shall be submitted online at details mentioned in Clause 2.7.2 on or before 11:59 p.m. IST on 29.12.2024 at the e-mail address provided in Clause 2.7.2 in the manner and form as detailed in this RFQ.

2.9 Late BIDs

TSSC shall not allow submission of any BID after the prescribed date and time at clause 2.8 shall not be considered and the BID shall be summarily rejected.

SECTION - III

APPENDIX - I

LETTER COMPRISING THE TECHNICAL & FINANCIAL BID

Dated:

[Senior Manager, TSSC]

Sub: BID for Procurement, Installation, Commissioning & Maintenance for development of technology labs at 10 locations 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 Buyer 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 for the aforesaid Project and maintenance of the Project during the Defect Liability Period.
4. 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 Buyer or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public Buyer nor have had any contract terminated by any public Buyer for breach on our part.
5. 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, in respect of any tender or request for Quotation issued by or any Agreement entered into with the Buyer or any other public sector enterprise or any government, Central or State; and
6. I declare that we are not submitting any other BID for the Project.

7. 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 Buyer 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.

8. 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 Buyer of the same immediately.

9. 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 Buyer 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.

10. 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.

11. 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 Buyer or in respect of any matter arising out of or relating to the Quotation Process including the award of Agreement.

12. I/ We agree and undertake to abide by all the terms and conditions of the RFQ document including clause 2.2.3 & 2.2.4.

13. 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 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 10 locations.

1.2 Project Objective: To procure tools & equipment to enhance the practical learning capabilities of students. 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 tools & equipment.

1.3.2 Maintenance of tools & equipment.

1.4 Project Timeline: 15 days from issuance of Purchase Order

2. Project Justification

The procurement of technology lab equipment is essential to:

2.1 Enhance the quality of skill development training.

3. Equipment and Software Requirements

A detailed list of tools & equipment will be prepared based on the specific needs of the labs. This list will be finalized after consultation with faculty and industry experts.

4. Procurement Process

The procurement process will follow the following steps:

4.1 Requirement Analysis: Detailed analysis of the tools & equipment needs.

4.2 Vendor Selection: Identification and selection of reputable vendors.

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

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

6. Project Monitoring and Evaluation

Regular monitoring and evaluation will be conducted to:

6.1 Track progress and adherence to the timeline and budget.

6.2 Identify areas for improvement and take corrective actions.

7. Quotation Format for Labs

Each table mentioned in Annexure-III must be individually represented in the quotation in the following format:

LAB NAME

Ref. No. TSSC/EL/2024-25/51



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 and maintained under this project.

Infrastructure Technician - 5G Networks

Sr. No.	Equipment Name	Quantity
1	Hanger Bolts (Hanger Bolts are headless bolts used primarily in wood applications to add an external thread. One side has a self tapping lag thread for use in wood, while the other end has UNC threads to accept a standard nut.)	1
2	Waveguide Clamps (s Waveguide clamps are used to precisely couple corrugated waveguides to minimize tilt and offset. This helps to reduce mode conversion and diffraction losses)	1
3	Restrainers	1
4	Mounting Brackets (Wall Mount Brackets These brackets are used to mount something to an interior or exterior wall, like a track system, awning, or shelf)	1
5	Thimbles (They are used to securely connect cables with electrical appliances)	1
6	Fittings (Electrical fittings are used to connect, secure, and organize electrical wiring and conduits)	1
7	Clevises (the clevis fastener is mostly used to fasten loads to various types of machinery, such as construction equipment.)	1
8	Shackles (Shackles are used to lift, secure, rig, and pull heavy loads in construction and other industrial settings.)	1
9	Artificial Load Tester	1
10	Turnbuckles (Turnbuckles are used to adjust the tension and slack in cables, ropes, or other rigging assemblies.)	1
11	Fiber Distribution Hub (Fiber distribution hubs (FDHs) are used to connect fiber optic cables and splitters in passive optical networks)	1
12	Coaxial Cables	10

Fiber to-the Home (FTTH/X) Installer & Wireless Technician

Sr. No.	Equipment Name	Quantity
1	Switches	2
2	Internet/Broadband Connectivity	1
3	Connectors (RJ-45 & RJ-11)	11
4	Cables (UTP, STP, Twisted)	3
5	Hand Tool Kit	2
6	Router with power adaptor	2
7	Cables (LAN Ethernet Cross Cable)	11
8	Ethernet Tester	1
9	Wi-Fi Access Point (2.4Ghz)	1
10	Wi-Fi Backhaul equipment (5Ghz)	1
11	Splices	6
12	Tweezers	6
13	Slack brackets	6
14	Shaft	2
15	OTDR	1
16	Fusion Splicer (Splicing machine)	1
17	Mechanical Splicer	6
18	Fiber Optic Stripper	6
19	Fiber Optic Test Source	1
20	Fiber Optic Power Meter	1
21	Connectors	6
22	Fiber optic Cables (Multi-tube single/double jacket, dielectric armored fiber, unit-tube/multi-tube single/double jacket, ADSS fiber cable etc.)	700
23	Cleaver	1
24	Connector Crimper	2
25	Cable Splitter	2
26	Cable Cutter	2
27	Cable Jacket Stripper	6
28	Projector	1
29	5G enabled internet device/routers	1

Telecom Rigger – 5G and Legacy Networks & Technician 5G – Active Network Installation

Sr. No.	Equipment Name	Quantity
1	Fiber Cable Port	1
2	POE Switch	1
3	Transceiver Male	1
4	Transceiver Female	1
5	Patch Panel	1
6	Earthing Cable	10
7	5G Multiband Transceiver	1
8	RF Cable	10
9	Fibre Optic Cable	50
10	RF Connectors	4
11	Optical Fibre Cable	10
12	Coaxial Cable	10
13	Coaxial Connector	4
14	Radio Frequency (RF) Connector	3
15	Digital Tester	1
16	Solder 500 gm	5
17	Soldering Iron	5
18	Spinner Handle	5
19	Wire Stripper	5
20	Adjustable Wrench	2
21	Mini Hacksaw	5
22	Linesman Pliers	5
23	Diagonal Pliers	5
24	Laser Measuring & Impact Tools	1
25	Modular & Coaxial Test Equipment	1
26	Scissors & Knives	5
27	Screwdrivers	5
28	Wire & Cable Strippers	5
29	Crimping Pliers	5
30	Cable Cutters	5