



Intelligent Communications Systems India Ltd
Administrative Building above Post Office, Okhla
Industrial Estate Phase III, New Delhi-110020

EOI Ref No: ICSIL/03/703/EOI/2024-25
Issued on: 03/12/2024

Expression of Interest for Pre tender tie-up for Supply, Installation, Testing & Commissioning of Smart Classrooms with Video Conferencing Facility

Issued By:
Material Management/IT Division
Tel: +91 (11) 40538951
Website :- <http://www.icsil.in>

1. Notice Inviting Expression of Interests

Intelligent Communication Systems India Limited (ICSIL) is a joint venture of Telecommunications Consultants India Ltd. (TCIL), a Govt. of India enterprise and Delhi State Industrial and Infrastructure Development Corporation (DSIIDC), an undertaking of Delhi government. It has provided exemplary service in the IT sector, Contractual Manpower supply for Delhi Govt. and Central Govt. departments, specializing in providing complete solutions in computerization, networking and telecommunication since 1987. With a well-focused vision and a global mission, ICSIL looks at greener pastures across the globe.

ICSIL intends to tie up with a System Integrator for **Supply, Installation, Testing & Commissioning of Smart Classrooms with Video Conferencing Facility** for its client in Southern India.

Important details/timelines of EOI are as follows: -

Intent of the EoI	Pre-tender tie-up for Supply, Installation, Testing & Commissioning of Smart Classrooms with Video Conferencing Facility
EoI Ref No	ICSIL/03/703/EOI/2024-25
Availability of EoI document	website of ICSIL i.e. www.icsil.in
Publish Date of EOI	03/12/2024
Last date and time for submission of EoI	06/12/2024, 11:00 AM
Contact person for seeking clarifications	1. Mr. Ravi Tripathy, System Analyst (IT/MM) 2. Ms. Nafeesa Bano, Engineer (MM/IT)
Address of Communication and Bid submission	Front Desk Officer, INTELLIGENT COMMUNICATION SYSTEMS INDIA LTD (ICSIL) Administrative Building, Above Post Office, Okhla Industrial Estate, Phase-III, New Delhi -110020
EOI Fee	NIL

Documents Required in response to EOI

The interested parties may submit their response/ Interest as per the following: -

- Proof of Similar Work Experience (Work Order/Completion Certificate)
- Compliance as per Technical Specification Section 3 of EOI.
- Schematic Diagram of Smart Class Solution including time period of implementation.
- Best possible Quoted price in respect of the below-mentioned Scope of Work & as per Annexure "A".
- Make & Model of Quoted Products

The above-mentioned documents in a sealed envelope must be submitted **latest by 06/12/2024 at 11:00 AM** at the below mentioned address.

Front Desk Officer
Intelligent Communication Systems India Ltd.
Administrative Building, 1st Floor, Above Post Office,
Okhla Industrial Estate, Phase – III, New delhi-110020.
For clarifications may contact:

Name: - Ravi Prakash Tripathy
Designation: - System Analyst (IT/MM)
Email id: - ravi.tripathy@icsil.in

Name: - Nafeesa bano
Designation: - Engineer (MM/IT)
Email id: - nafeesa@icsil.in

2 Scope of Work

With the aim of providing quality education and holistic development opportunities, prospective client of ICSIL in one of the southern states in India is planning to implement 10 smart classrooms in the first phase (pilot phase).

The smart classroom initiative aims to leverage modern educational technologies to enhance the teaching and learning experience. The proposed setup includes cutting-edge components designed to foster an interactive, engaging, and efficient educational environment. Each classroom will be equipped with an Interactive Flat Panel (IFP), Open Pluggable System (OPS) integration, and educational digital content, which together bring an unparalleled level of interactivity to the classroom suitable for middle, high school, and higher education settings.

The core components of smart classroom are:

2.1 *Interactive Flat Panel*

An Interactive Flat Panel (IFP) serves as the centerpiece of the smart classroom. It provides a dynamic and interactive medium for delivering lessons, multimedia content, and collaborative activities. Some of the features that the client is interested in are:

- 2.1.1 Multi-touch capability for collaborative activities.
- 2.1.2 High-resolution display for crisp, clear visuals.
- 2.1.3 Anti-glare surface to reduce reflections and for better visibility from all angles.
- 2.1.4 Preloaded educational apps and annotation tools for interactive lessons.

2.2 *Open Pluggable System (OPS) Unit*

The Open Pluggable System (OPS) provides seamless connectivity to the IFP, ensuring a smooth integration of software and hardware. It eliminates the need for external computers, offering a clutter-free setup.

This feature allows teachers to switch between different content and platforms effortlessly, making the classroom more adaptive to various educational tools. Some of the features that the client is interested in are:

- 2.2.1 It should fit directly into the IFP, reducing the need for extra devices.
- 2.2.2 It should be capable of handling multimedia content, digital whiteboarding, and more.
- 2.2.3 It should work with a variety of educational software and platforms.

2.3 *Educational Digital Content*

To maximize the potential of the smart classroom, high-quality digital educational content will be integrated into the system. By incorporating a variety of educational software, teachers can enhance their lesson plans with interactive content. It supports various subjects and learning styles, ensuring students receive personalized and engaging instruction. Also, it provides targeted support for students preparing for competitive exams like IBPS, ensuring they are well-equipped for future academic challenges. The teachers will use the content of **Board: State Board Class - 5-12, Medium - English, regional language, Urdu, Hindi.**

2.4 Video Conferencing

All smart classrooms should be enabled with a video conferencing facility so that they can be connected with the headquarters seamlessly.

2.5 Performance Bank Guarantee (PBG) :-

PBG of 10% of quoted price would be required to be submitted by the bidder

2.6 Onsite Warranty:-

Warranty Period of 01 year after Go-Live (Commissioning) of the system

2.7 Comprehensive Annual Maintenance Contract (AMC)

- a) The Annual Maintenance Contract (AMC) will be for a period of five (4) years after Go-Live of the project.
- b) The successful bidder will maintain the system after go-live so that the total system includes all hardware, software, telecommunication system, and all other equipment supplied by the bidder.
- c) Solving the reported hardware and software problems, and replacement of parts and components as and when necessary for maintenance and break-down maintenance.
- d) The successful bidder will use trained and skilled personnel to maintain the equipment in efficient, reliable, and safe operating conditions.

2.8 Payment Terms

- 1) 10% mobilization advance on submission of advance BG of 110% amount.
- 2) 70% on delivery of materials at the central location for all the schools.
- 3) 10% on Installation & Commissioning.
- 4) 10% on completion of the Warranty of 01 year
- 5) Payment for AMC will be made every quarter in arrears

2.9 Delivery Period & Implementation Period

-6-8 weeks site preparation in parallel.

-Installation & Commissioning in 04 weeks in all schools.

-Provide the PERT Chart for various activities of bidder like Delivery Period, site preparation, implementation period, etc until Go-Live

2.10 On-Site Support Engineer

Bidder to provide on-site Engineer support at every school

2.11 Liquidated Damages/Penalty:-

In case the Supplier fails to supply the material/service against the order, the material shall be procured from other suppliers at the cost and risk of the Supplier and the excess money will be recovered from any dues of the party. For late supplies/service, as liquidated damages, a sum equal to 2% of the price of any goods/services/service not delivered or total order value in case where part delivery is of no use to a Purchaser, for a week or part of a week subject to maximum limit of 10% of the total order will be recovered from the Supplier. The Purchaser also reserves the right to cancel the order in such cases and forfeit the EMD/Performance Bank Guarantee and may also debar the Supplier for future purchases.

2.12 Service Level Agreement (SLA) :- Bidder to propose the SLA

3 Technical Specifications

Minimum technical specifications of the component are included in the table below:

As per Client's requirement			To be filled by the bidder	
Sl. No.	Line Item	Required Specifications	Make & Model of Offered Product	Compliance
1.	Interactive Flat Panel (IFP)	75" 8GB, 128GB, 4K, BT, Wi-Fi, HDMI out, Android 14, Octa Core CPU		
2.	Open Pluggable Specification (OPS)	Core i5, 8GB RAM, 1TB SSD, Win Pro OS		
3.	Digital Content	Board: SCERT (Telangana Board) Class - 5-12, Medium - English, Telugu, Urdu, Hindi		
4.	Digital Camera for VC	Video bar		
5.	Speaker	Classroom speaker - 50 W		
6.	Site Preparation with Earthing- SITC of setting up of smart classrooms which includes IFP with OPS integration of educational digital content, NVR system, with 24x7 telephonic and onsite service support	<p>Site preparation with earthing - SITC of setting up of smart classrooms which includes IFP with OPS integration of educational digital content, NVR system, with 24x7 telephonic and onsite service support</p> <p>a) Cat 6 cable b) 24 port RJ 45 patch panel c) Cat-6 patch cord d) Cat-6 patch cord e) RJ 45 connectors f) Cable laying g) Installation</p>		
7.	Sliding Shutter Safety System for IFP	Color: White Size: 75 inches x 10 pieces		

4. Bill of Quantity

The indicative bill of quantity is enclosed below:

No.	Line Item	Qty.
1.	Interactive Flat Panel (IFP) 75 Inch	10
2.	Open Pluggable Specification (OPS)	10
3.	Digital Content - Board: SCERT (Telangana Board) Class - 5-12, Medium, English, Telugu, Urdu, Hindi	10
4.	Digital Camera for VC	10
5.	Speaker 50W	10
6.	Microphone	10
7.	Site Preparation with Earthing- SITC of setting up of smart classrooms which includes IFP with OPS integration of educational digital content, NVR system, with 24x7 telephonic and onsite service support a) Cat 6 cable b) 24 port RJ 45 patch panel c) Cat-6 patch cord d) Cat-6 patch cord e) RJ 45 connectors f) Cable laying g) Installation	10
8.	Sliding Shutter Safety System for IFP	10
9.	Transportation from HQ (15.6 Km/School) 15.6 Km average distance from HQ	10
10.	Annual Maintenance for Four (4) Years after Warranty of 01 year with on-site Engineer at every school	4
11	Annual Maintenance for Four (4) Years after Warranty of 01 year without on-site Engineer at every school	4

Note:

1. The above BoQ is for 10 smart classrooms that are being identified as part of the first phase (Pilot phase).
2. Providing internet connectivity at the identified locations will be the responsibility of the client

Annexure “A”

Format of Price Quote to be printed on Company’s Letter Head

Budgetary Quote for Supply, Installation, Testing & Commissioning of Smart Classrooms with Video Conferencing Facility					
Name of SI					
Address of SI					
Email ID					
Phone No.					
Sl. No.	Line Item	Unit	Qty	Unit Rate (Without GST)	Total (Without GST)
1	Interactive Flat Panel (IFP) - 75 Inch	Nos.	10		-
2	Open Pluggable Specification (OPS)	Nos.	10		-
3	Digital Content	Nos.	10		-
4	Digital Camera for VC	Nos.	10		-
5	Speaker	Nos.	10		-
6	Microphone	Nos.	10		-
7	Site Preparation with Earthing- SITC of setting up of smart classrooms which includes IFP with OPS integration of educational digital content, NVR system, with 24x7 telephonic and onsite service support	Lumpsum	10		-
8	Sliding Shutter Safety System for IFP	Nos.	10		-
9	Transportation from HQ (15.6 Km/School)	Lumpsum	10		-
10	Annual Maintenance for Four (4) Years after Warranty of 01 year with on-site Engineer at every school	Years	4		-
11	Annual Maintenance for Four (4) Years after Warranty of 01 year without on-site Engineer at every school	Years	4		-
Total (Rs.)					-
In Words: Rupees _____					

Note: The quote should include all levies and taxes by central/state governments, excluding GST