

State Bank Institute of Leadership (SBIL), Kolkata, Plot No.II F/2, Street No.329,
Action Area III, Newtown, Rajarhat, Kolkata- 700160, West Bengal

NOTICE INVITING TENDERS (PERCENTAGE-RATE BASIS)

FOR

**SITC OF UP-GRADATION OF AUDIO- VISUAL (AV) SYSTEMS INCLUDING NETWORKING AT SBIL-
KOLKATA, WEST BENGAL
PERTAINING TO**

**PROPOSED UPGRADATION OF BOARDROOMS, CLASSROOMS, AUDITORIUM,
AT
STATE BANK INSTITUTE OF LEADERSHIP (SBIL), KOLKATA**

Tender ID: SBIL-KOL-2025-12-CC-AV

Date: 03.12.2025

Commencement Date & Time of Tender: 05.12.2025

Last Date & Time for submission of Tender: 26.12.2025 up to 12:00 PM

Opening of e-Tender (Technical Bid): 26.12.2025 at 12:30 PM

Tender Submitted By:

Name of the Bidder:

Address for Correspondence:

.....e-Mail ID:

GSTIN: Date:

Note:

1. The bidders must possess valid Digital Signature Certificate (DSC) to participate in tendering.
2. Price Bids of only those bidders selected through prequalification will be opened for evaluation.
3. The successful bidder shall have to ensure, without any extra cost, meticulous compliance of protocols laid down by the Govt. about COVID-19 during execution at site.

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SECTION – 1: NOTICE INVITING TENDERS**1.1 IMPORTANT EVENTS**

Sl. No.	Particulars	Date
1	Advertisement of a brief Notice inviting Tenders in the following Leading Daily Newspapers – <i>i) The Times of India for English,</i> <i>ii) Prabhat Khabar for Hindi, and</i> <i>iii) Ananda Bazar Patrika for Bengali.</i>	05.12.2025
2	Website Publication of Tender in the Bank's website (https://sbi.bank.in) and the e-Tendering System Portal https://www.tenderwizard.com/SBIETENDER	05.12.2025 TO 26.12.2025
3	Online Submission of Technical & Price Bids as well as Submission of Physical Form of Technical Bid (<i>Spiral-bound bid & DD of EMD in a sealed envelope superscribing the Name of the Project</i>) at the below-mentioned office	26.12.2025(*) up to 12:00 PM
4	Opening of Online Technical Bids	26.12.2025 (*) at 12:30 PM
5	Opening of Online Price Bids	(To be intimated to the prequalified bidders in due course)

(*) If the date is declared as holiday / lock-down, the stated activity will be performed on the next working day at the same time.

For any clarification / query in the matter, the undernoted official may be contacted with:

Sd/

The Assistant General Manager (Admin.)

State Bank Institute of Leadership, Kolkata,
Plot No. II F/2, Street No. 329,
Action Area III, Newtown, Rajarhat,
Kolkata – 700 160, West Bengal.

Contact No.: +91 **7596809057**

e-Mail ID: agmadmin.sbil@sbi.co.in

1.2 e-TENDER NOTICE:

State Bank of India invites electronically sealed **Percentage-rate e-Tenders** under two-bids system (online Technical & Price Bids) from the contractors / firms of national repute, duly satisfying the set eligibility criteria as mentioned hereunder, through <https://www.tenderwizard.com/SBIETENDER>, the Bank's online e-Tendering System Portal. The details are furnished below –

S.NO	Particulars	Details
1	Name of work	Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual works
2	Nature of Work	SITC Of Up-Gradation Of Audio- Visual (AV) Systems Including Networking At SBIL- Kolkata, West Bengal
3	Nature of Tendering Process	Online Bidding under two-bids system (Technical & Price Bids) – Prequalification of Bidders and Online Percentage-rate Tender
4	Prequalification (PQ) Criteria for Finalization of List of Bidders – Technical Parameters & Credentials	<p>Projects completed satisfactorily during the last 7 (seven) years ending on 31.10.2025, the project values of which should be either of the following:</p> <ul style="list-style-type: none"> ❖ <u>Three</u> similar completed projects costing not less than 40% of the estimated amount as in No. 6, i.e., Rs. 6.03 Crores each, <li style="text-align: center;">Or, ❖ <u>Two</u> similar completed projects costing not less than 50% of the estimated amount as in No. 6, i.e., 7.5 Crores each, <li style="text-align: center;">Or, ❖ <u>One</u> similar completed project costing not less than 80% of the estimated amount as in No. 6, i.e., 12 Crores. <p>Note: Definition of "Similar Work" is given on page no.17. All amounts are exclusive of GST as applicable.</p>
5	Prequalification (PQ) Criteria for Finalization of List of Bidders – Financial Parameters & Credentials	<ul style="list-style-type: none"> ● Average Annual Financial Turnover for the last 3 (three) consecutive Financial Years ending as on 31.03.2025 has to be at least 30% of the estimated amount as in No. 6, i.e., 4.52 Crores. ● Bank Solvency has to be at least 4.52 Crores.
6	Total Estimated Cost (derived from item-wise Schedule of Quantities under 'Specifications for Audio Visual Systems')	15,08,62,847 (Fifteen Crores Eight Lakhs Sixty Two Thousand Eight Hundred Forty Seven)

7	Time allowed for completion	60 days (including Sundays and Holidays) from the Date of Issue of the Work Order or the Site Handover Date, whichever is later.
8	Earnest Money Deposit	Rs. 15,09,000 calculated @ 1% of the Estimated Amount (<i>No. 6 above</i>), rounded up to nearest thousand rupees, to be drawn in the form of Demand Draft (DD) <i>[valid for a period of 90 (ninety) days from the date of commencement of tendering]</i> in favour of State Bank of India and payable at Kolkata. EMD of unsuccessful bidders will be returned after opening of Online Price Bid.
9	Initial Security Deposit (ISD)	2% of the Accepted Contract Price (Work Order Value), rounded up to nearest thousand rupees EMD will be returned to the successful bidder on receipt of ISD.
10	Total Security Deposit (TSD) in the form of Retention Money (RM)	5% of the Accepted Contract Price (Work Order Value) including Initial Security Deposit (ISD) amount, rounded up to nearly thousand rupees
11	Validity of Tenders	90 days from the date of opening of Price Bid
12	Liquidated Damages (LD)	0.5% of the Accepted Contract Price (Work Order Value) per week of delay, subject to the maximum of 5% of the same
13	Defects Liability Period (DLP)	3 years from the date of Virtual Completion
14	Availability of Tender Documents	<ul style="list-style-type: none"> Bank's website https://sbi.bank.in, and / or, e-Tendering System Portal https://www.tenderwizard.com/SBIETENDER
15	Tender Documents Downloading	Start Date: From 12:00 PM on 05.12.2025 End Date: Up to 12:00 PM on 26.12.2025
16	Last Date and Time for Receipt of Written Queries (e-Mail / letter) for Clarifications from bidders for Pre-bid Meeting	Up to 12:00 PM on 13.12.2025 Bid queries are to be sent to the undersigned official of tender at the address as in No. 17. Note: Intending bidders, while submitting the queries, shall have to send the details of their authorized representatives viz. name, mobile No., e-Mail ID along with authorization letters from the bidders. Only written queries submitted by the prospective bidders till the stipulated date & time as in No. 16 (Up to 12:00 PM on 13.12.2025) above will only be discussed and clarified in the Meeting. Only those written queries received from bidders within the stipulated date and time shall be taken up in the pre-bid meeting. No queries received thereafter from bidders shall be entertained.

		OEMs shall not directly approach SBIL for pre-bid or post-bid queries; all/any such queries of OEM shall be routed only through the participating bidders. However, SBIL reserves the right to seek or issue clarifications on non-material or administrative aspects, if considered necessary, without altering the scope, specifications, or competitive standing of any bidder.
17	Pre-bid Meeting Details	<p>Date & Time: At 3:00 PM on 15.12.2025</p> <p>Address: State Bank Institute of Leadership (SBIL), Kolkata, Plot No. II F/2, Street No. 329, Action Area III, Newtown, Rajarhat, Kolkata – 700 160 (WB).</p> <p>Note:</p> <ul style="list-style-type: none"> ➤ Maximum two representatives from each of the participating bidders are desired to attend the Meeting. ➤ Only written queries submitted by the prospective bidders till the stipulated date & time as in No. 16 above will be discussed and clarified in the Meeting. <p>In case the above date is declared as holiday / lock-down, the meeting will be held on the next working day at the same time.</p>
18	Last Date and Time of Submission of Tender (<u>Online & Physical Form of Technical Bid, and Mandatorily Online Price Bid</u>)	<p>Up to 12:00 PM on 26.12.2025</p> <p>Note:</p> <p>No bid in any form will be accepted after the said date & time. The e-Tendering System Portal will get locked thereafter. SBI & SBIL shall not be liable for any postal delay and / or communication / connection / system failure.</p>
19	Address for Submission of Physical Form of Technical Bid (<i>Spiral-bound bid & DD of EMD in a sealed envelope superscribing the Name of the Project as in No. 1</i>)	<p>The Assistant General Manager (Admin.) State Bank Institute of Leadership, Kolkata, Plot No. II F/2, Street No. 329, Action Area III, Newtown, Rajarhat, Kolkata – 700 160, West Bengal.</p> <p>Note:</p> <p>It is the sole responsibility of the bidder to ensure submission of EMD with tender document by stipulated date & time at the above address, failing to which may liable the bidder for disqualification.</p>
20	Date and Time of Opening of Online Technical Bid	<p>26.12.2025 at 12:30 PM</p> <p>Note:</p> <p>In case the tender opening date is declared as holiday / lock-down, the tender will be opened on the next working day at the same time.</p>

21	Date and Time of Opening of Online Price Bid	The date & time shall be intimated only to the prequalified bidders on their provided e-mail IDs after scrutiny and subsequent approval / acceptance of their technical bids by the Bank.
22	Value of Interim Certificate	Rs5 crores (Rupees Five Crores only) Note: No advances on materials / plant / machinery or mobilization advance shall be paid under any circumstances.
23	Details of Project Architect	3CDN Workplace Tech Pvt Ltd Address - # 502 SW, 5 th floor, Neil Tower of Neil Rao Towers, 117, Rd Number 3, Vijayanagar, EPIP Zone, Whitefield, Bengaluru, Karnataka Mobile No-+91 9910019772 Mail ID- debarshic@3cdn.tech
24	Documents required to be scanned and uploaded, <u>duly signed digitally by the bidder</u> , as Technical Bid in the e-Tendering System Portal	<ol style="list-style-type: none"> 1. NIT (Section 1) (<i>duly filled up and signed by the authorized signatory with seal of the firm</i>) 2. Application Form for Prequalification (PQ) of Contractors / Firms (Annexure-A) 3. List of Details of Projects of Similar Nature completed during last 7 years ending 31.10.2025 (Annexure – C) 4. Financial Information (Annual Turn Over Details) (FORM-A) 5. Bank Solvency Certificate (FORM-B) 6. Electrical Contractor License 7. Letter of Undertaking (s) 8. Process Compliance Statement under Sample – I (<i>to be submitted on bidder's letterhead, duly signed by the authorized signatory with seal of the firm</i>) 9. Bank Draft / DD as Earnest Money Deposit
25	For e-Tender related queries	<u>Service provider:</u> M/s. Antares Systems Limited <input type="checkbox"/> Registered Office: Honganasu, #137/3, Bangalore-Mysore Road, Opp. to Metro Pillar #P-696, Kengeri, Bengaluru – 560 060, Karnataka. <u>Phone No.:</u> 080 – 4598 2100
		<input type="checkbox"/> Branch Office: Tenderwizard Helpdesk Centre, BD-52A, Rabindrapally, Kestopur, Kolkata – 700 101, West Bengal.

		<p>Phone No.: 033 – 4604 6611</p> <p>Help Desk Contacts: 9073677150 / 9073677151 / 9073677152 / 9674758723 / 9674758726 / 9674758506 / 9686449042 / 9708966660</p> <p><u>Contact Persons:</u> (On working days between 9 AM to 6 PM)</p> <p>1. Mr. Kushal Bose Mobile No.: +91 96747 58719 e-Mail: kushal.b@antaressystems.com</p> <p>2. Mr. Biswajit Chakraborty Mobile No.: +91 96747 58723 e-Mail: biswajit.c@antaressystems.com</p>
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For any details, please contact the following official (s) –

1. The Assistant General Manager (Admin.) /Dy. General Manager (Admin & Accounts)

State Bank Institute of Leadership (SBIL), Kolkata,
Plot No. II F/2, Street No. 329,
Action Area III, Newtown, Rajarhat,
Kolkata – 700 160, West Bengal.

Contact No.: +91 7596809057 / +91 9674712215

e-Mail ID: agmadmin.sbil@sbi.co.in / dgmadmin.sbil@sbi.co.in

2. The Assistant General Manager (Premises & Estate) / Chief Manager (Electrical)

State Bank of India
Premises & Estate Department,
Local Head Office, Kolkata,
Samriddhi Bhavan, Block B, 9th Floor,
1, Strand Road, Kolkata – 700 001, West Bengal.

Contact No.: +91 9663244644

e-Mail ID: agmpre.lhokol@sbi.co.in

3. Project Architect:

M/s. 3CDN Workplace Tech Pvt. Ltd. (Contact No .9910019772)

having the Office Address at # 502 SW, 5th floor, Neil Tower of Neil Rao Towers, 117, Rd Number 3, Vijayanagar, EPIP Zone, Whitefield, Bengaluru

4. Manager (Systems), SBIL (For Technical queries / site visit)

State Bank Institute of Leadership (SBIL), Kolkata,
Plot No. II F/2, Street No. 329,
Action Area III, Newtown, Rajarhat,
Kolkata – 700 160, West Bengal.

Contact Details: +91 7718851042 / systems.sbil@sbi.co.in

Note:

1. Corrigendum & Addendum, if any, is to be followed as published in the e-Tendering System Portal www.tenderwizard.com/SBIETENDER only. So, the bidders should visit the website till last date of submission for changes / corrigendum.
2. The bidders shall have to download the entire Technical Bid to get acquainted with the terms & conditions and upload compulsorily the required documents of the bid in the e-Tendering System Portal without fail after putting the signature & seal. Failing to upload as stated above, the tender will be rejected.
3. The successful contractor, who would come up as the L-1 bidder, shall have to produce all the supporting documents marked at [Sl. No. 24](#) in the above table in original for verification.
4. The make of materials should be chosen strictly from the preferred make as given in the tender. Any clarifications sought after opening of the tenders will not be entertained at any cost.
5. Bank reserves the right to cancel or postpone the tenders at any stage without assigning any reason.
6. Claims for revision of the Quoted price by any bidder after the tender will not be entertained.
7. The intending bidder must read the tender terms & conditions carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. No conditions other than mentioned in the tender will be considered, and if given, they will have to be withdrawn before opening of the Online Price Bid.
8. This information and instructions for bidders posted on website shall form part of bid document.
9. The bid document consisting of **schematic plans, specifications, schedule of quantities** of various types of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded from the Bank's website <https://sbi.bank.in> or the e-Tendering System Portal www.tenderwizard.com/SBIETENDER free of cost.
10. The intending bidder must have valid Class – III Digital Signature Certificate with encryption key (*combo type*) to perform any operations / transactions on the e-Tendering System Portal / website.
11. On opening date, the bidder can login and see the bid opening process. After opening of bids, they will receive the competitor bid sheets.
12. Bidder can upload documents in the form of **PDF format** only. Bidder should ensure that the document uploaded is legible and full documents page is properly scanned

13. Certificate of Financial Turn Over: At the time of submission of bid, the bidder may upload Affidavit / Certificate from CA mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. *There is no need to upload entire voluminous balance sheet.*
14. The Technical Bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.
15. SBI reserves the right to reject any prospective application without assigning any reason thereof and to restrict the list of qualified bidders to any number deemed suitable by it, if too many bids are received satisfying the minimum laid down criteria.
16. SBI reserve their rights to accept or reject any or all the tenders, either in whole or in part without assigning any reason for doing so and any claim / correspondence shall be entertained in this regard.
17. Tenders received without EMD in original shall be summarily rejected and such tenders shall not be allowed to participate in the online price bidding process.
18. The bidder (s) will become ineligible, if the bidder (s) do (es) not upload scanned copies of all the documents stipulated in the bid document marked at Sl. No. 24 in the above table.

Sd/-

Assistant General Manager (Admin.)

SBIL Kolkata.

1.3 IMPORTANT NOTES:

(a)	<p>Electronically Sealed Digitally Signed Percentage-rate e-Tenders are invited from the contractors / firms of national repute under two-bids system (Technical & online Price Bids) in two parts including Technical Bid, to be submitted online as well as offline, and, Price Bid, to be submitted online only through the portal www.tenderwizard.com/SBIETENDER.</p> <p>(i) Technical Bid: Technical Bid, comprising of the requisite documents / instruments as in Clause 24 above, are to be scanned and uploaded online, duly signed digitally by the bidder. <u>Further, the entire Technical Bid including all necessary & supporting documents and instruments are to be compulsorily submitted in hard copy as advised in Clause 19 above (Spiral-bound Technical bid & DD of EMD in a sealed envelope superscribing the Name of the Project).</u></p> <p>(ii) Price Bid: Price Bid shall contain the electronic format of Priced Schedule of Composite BOQ for all works involved. No condition / stipulation in this part other than unconditional general</p>
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	<p>rebate shall be accepted. Price Bid of only those bidders will be opened, who would qualify in the Technical Bid. <u>Price bid is not to be submitted in hard copy, unless advised.</u></p> <p>** No Price Bid shall be accepted offline.</p> <p>The contractors can view the Tender Opening Details through their respective log-in IDs on the above-mentioned e-Tendering Portal (Website).</p>
(b)	All bidders, who would qualify in PQ after scrutiny and subsequent approval / acceptance of their technical bids by the Bank, are only eligible for the above-mentioned work.
(c)	Any abnormal increase from the quoted price / cost will not be accepted.
(d)	SBIL reserves the right to reject any or all the tenders without assigning any reason whatsoever.
(e)	The Bidder is expected to examine all instructions, forms, terms and specifications in the bid documents. Failure to furnish all information required as per the Bid Documents or submission of bids not substantially responsive to the Bid Documents in every respect will be at the bidder's risk and shall result in rejection of the bid.
(f)	In case the date of opening of tenders is declared as a holiday / lock-down, the tenders will be opened on the next working day at the same time. Again, <u>corrigendum/addendum</u> , if any, are to be followed from <u>www.tenderwizard.com/SBIETENDER</u> .
(g)	No conditions other than those mentioned in the tender will be considered, and, if given, they will have to be withdrawn before opening of the Price Bid.
(h)	Technical Bid without any or all the stipulated documents / instruments shall be summarily rejected, and Price Bid of such bidders shall not be opened in any case.
(i)	SBIL has the right to accept / reject any / all tenders without assigning any reasons and no correspondence shall be entertained in this regard.
(j)	Bidders shall quote their financial offer only in the form of a single percentage (up to two decimal places), above, below, or at par with the item-wise base rates furnished in the Schedule of Quantities (SOQ) under 'Specifications for Audio Visual Systems'. The quoted percentage shall be applied uniformly to all items in the SOQ. This tender is a percentage-rate tender and the SOQ forms the basis for evaluation; the item-wise descriptions, quantities and base rates provided therein shall remain fixed. Alteration of any item rate is strictly prohibited. Any bid that deviates from this percentage-rate format is liable to be rejected.

(k)	Rates furnished in the Online Price Bid are inclusive of all costs, carriage, allowances, taxes & levies, etc., but excludes GST. However, GST will be paid extra by SBIL on production of GST Registration document and on claim as per prevailing rate.
(l)	Contractors shall provide all labor and materials, tools and tackles including necessary scaffolding for proper execution of the work including curing, etc.
(m)	A sum calculated 5% of the Accepted Contract Price (Work Order Value) including ISD will be retained as Total Security Deposit (TSD) in the form of RM, which will be refunded on satisfactory completion of free maintenance period, i.e., DLP of 36 (Thirty six) months from the date of completion of work. <i>No interest shall be payable to this effect. No advances shall be entertained for CAMC (2 years)</i>
(n)	The quantities and / or specifications mentioned in the schedule of works have been worked out based on the requirements and condition of the premises at the time of preparation of drawing / estimates and / or approval thereof. The same are neither exclusive nor exhaustive and may differ during execution of works as per specific direction of the competent authority.
(o)	The amount against every item after imposition of the percentage offered shall be inclusive of providing necessary arrangements for satisfactory protection of furniture / flooring / electrical fittings / Bank's any other property during execution of the work.
(p)	The amount against every item after imposition of the percentage offered shall be inclusive of cost for disposing of debris and any other unserviceable materials as per direction and in conformity with the local or any other authority (s) rules.
(q)	The amount against every item after imposition of the percentage offered shall be inclusive of cleaning of floors, making good to damaged floor, ceiling, walls, etc., after completion of work.
(r)	<i>In case of any poor quality of work or substandard materials used for the purpose, the same should be replaced as per instructions without any extra cost.</i>

Sd/-

Assistant General Manager (Admin.)

SBIL Kolkata.

1.4 TERMS & CONDITIONS OF e-TENDERING:

State Bank of India shall finalize the Tender through e-Tendering mode, for which **M/s. Antares Systems Limited**, having registered office at Honganasu, #137/3, Bangalore-Mysore Road, Opp. to Metro Pillar #P-696, Kengeri, Bengaluru – 560 060, Karnataka, and, Branch Office (Tender wizard Helpdesk Centre) at BD-52A, Rabindrapally, Kestopur, Kolkata – 700 101, West Bengal, have been

engaged. Please go through the guidelines given below and submit your acceptance to the same along with your bids:

- ☐ e-Tendering shall be conducted by SBI through M/s. Antares Systems Limited on pre-specified date. While the participating contractors (bidders) shall be quoted from their own offices / place of their choice, internet connectivity and other paraphernalia requirements shall have to be ensured by the bidders themselves. In the event of failure of internet connectivity due to any reason whatsoever, it is the bidders' responsibility only.
- ☐ In order to ward off such contingent situations, the bidders are requested to make all the necessary arrangements / alternatives such as back-up power supply whatever required, so that they are able to circumvent such situation and still be able to participate in the e-Tendering successfully. Failure of power at the premises of the bidders during the e-Tendering cannot be the cause for not participating in the e-Tendering. On account of this, the time for the e-Tendering cannot be extended and SBI is not responsible for such eventualities.
- ☐ M/s. Antares Systems Limited shall arrange to provide adequate training to the bidders and their nominated person (s) without any cost to them. They shall also explain all the rules related to e-Tendering. The bidders are required to give their compliance on it before starting the bidding / tendering process.
- ☐ BIDDING CURRENCY AND UNIT OF MEASUREMENT: Bidding will be conducted in Percentage-rate Tendering Process, the final amount will be in Indian Currency (INR: `) and Unit of Measurement, mostly in SI System, will be displayed item-wise in online price bid.
- ☐ BID PRICE: The bidder must quote the offer only in terms of specific percentage rate (only up to two decimal places) above / below / at par of the grand total amount.
- ☐ VALIDITY OF BIDS: The quoted bid price on percentage offered shall be valid for a period specified in the tender document and shall not be subjected to any change whatsoever.

1.5 PROCEDURE OF e-TENDERING:

Online Tendering:

- The soft copy of the Notice Inviting Tenders (NIT), or Technical Bid and Price Bid shall be made available in the Bank's website during the period of tendering as specified in NIT.
- Online e-Tendering for Price Bid is open to the prequalified bidders only.
- The Price Bid shall be made available online by the Service Provider wherein **the bidders will be required to fill-in their offers only in terms of specific percentage rate (only up to two decimal places) above / below / at part of the grand total amount.**

- The bidders are advised not to wait till the last minute to submit their online item-wise quote in the price bid to avoid complications related with internet connectivity, network problems, system crash down, power failures, etc.

It is mandatory for all the bidders participating in the bidding to quote their offers only in terms of specific percentage rates (only up to two decimal places) **above / below / at par** of the grand total amount. In case, any bidder fails to quote its percentage-rate above / below / at par of the grand total amount of the schedule of works, such tender shall be treated as **“Incomplete Tender”** and shall be liable for rejection.

- ❖ LOG-IN NAME & PASSWORD: Each bidder is assigned a Unique Username & Password by M/s. Antares Systems Limited. All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder itself.
- ❖ BIDS PLACED BY BIDDER: Bids will be taken as an offer to execute the work as specified. Bids once made cannot be cancelled / withdrawn and the successful bidder in the tendering shall be bound to execute the work at the offered percentage-rate above / below / at par of the grand total amount, if specification remains unchanged. In case the successful bidder backs out or fails to complete the work as per the offer, the SBIL shall be at liberty to take action as deemed necessary including de-barring and / or blacklisting of such bidder as also forfeiture of security deposit.
- ❖ At the end of e-Tendering, SBIL will decide upon the successful bidder. The decision of SBIL on Award of Contract shall be final and binding on all the bidders.
- ❖ SBIL shall be at liberty to cancel the e-Tendering process / tender at any time, before ordering, without assigning any reason whatsoever.
- ❖ SBIL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
- ❖ OTHER TERMS & CONDITIONS:
 - The bidders shall not involve themselves or any of their representatives in Price Manipulation of any kind, directly or indirectly, by communicating with other suppliers / bidders.
 - The bidder shall not divulge either its bid or any other exclusive details of SBIL to any other party.
 - The decision of the SBIL on Award of Contract shall be final and binding on all the bidders.
 - SBIL reserves the right to extend, re-schedule or cancel any e-Tendering within its sole discretion.

- SBIL or its authorized service provider, shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
- SBIL, or its authorized service provider, is not responsible for any damage caused to the bidders including damage that result from their works but are not limited to negligence.
- SBIL or its authorized service provider, will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information, etc.

N.B.: All the bidders are required to submit the Process Compliance Statement **(Sample – I)**, duly signed, to the Service Provider.

All the bidders are requested to ensure that they have a valid Digital Signature Certificate (DSC) well in advance to participate in the online event.

1.6 PREAMBLE TO BILL OF QUANTITIES & RATES:

The Schedule of Quantities (SOQ) comprises item-wise descriptions, quantities and base rates forming the basis of this percentage-rate tender. Bidders shall quote a single consolidated percentage (up to two decimal places), above, below, or at par with the said base rates. The percentage quoted shall be applied uniformly to every item in the SOQ for the purpose of determining the evaluated contract amount. No modification of individual item rates or quantities shall be permitted, and any such deviation shall render the bid liable for rejection.

Bidders are advised to quote their offers after due consideration of the following pertinent points:

- 1.0** Actual site conditions including working time that would be available to them as per standing rules
- 2.0** Material access regulations of the building including permission of use of lifts and stairways, etc.
- 3.0** Temporary storage provision of disposable materials arising out of the work
- 4.0** Security measures and permissions required to be observed and obtained in consultation with the representatives of the landlords and act strictly according to the same
- 5.0** Traffic Regulations of the Local Police Authority in order to organize trouble-free access of materials
- 6.0** Execution of works in close and effective co-ordination with other executing agencies who shall be working simultaneously
- 7.0** Any other governing issue (s) likely to have impact on the productions rate and cost of work
- 8.0** TAXES AND DUTIES: The tenderer must take note of the fact that all the rates are inclusive of all duties, royalties, cess, excise, sales tax, work contract tax or any other taxes such as Income Tax deducted to contractors or local charges as applicable, etc. No extra claim on this account

will in any case be entertained. However, Goods & Services Tax (GST) as per relevant GST act will be paid for production of GSTIN Registration Certificate and for claims.

9.0 GOVERNMENT AND LOCAL RULES: The Contractor shall conform to the provisions of all local Bylaws and Act relating to the work and to the Regulations, etc., of the Government and Local Authorities (at the State / UT as the case may be) and of any entity, private individual / commercial, with whose system the premises is proposed to be connected. The Contractor shall give all notices required by the said Act, Rules, Regulations and By-laws, etc., and pay all fees payable to such authority / authorities for execution of the work involved. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses, fees for footpath encroachment and restorations, statutory clearance, etc., and shall defend all actions arising from such claims or liabilities.

SECTION – 2: PREQUALIFICATION OF CONTRACTORS

MINIMUM ELIGIBILITY CRITERIA FOR PREQUALIFICATION

Only those bidders / Contractors (System Integrators) who meet ALL of the following eligibility criteria shall be considered for pre-qualification. Applications not meeting any of these criteria will be summarily rejected.

- (a) The bidder must be a legally established entity in India, as any one of the following:
 - (i) A Company incorporated under the Companies Act, 2013 (including Private Limited Company or Public Limited Company); or
 - (ii) A Partnership Firm registered under the Indian Partnership Act, 1932; or
 - (iii) A Limited Liability Partnership (LLP) registered under the LLP Act, 2008; or
 - (iv) A Sole Proprietorship, holding valid GST registration and any other statutory registrations applicable under law.
- b. Bids submitted by Joint Ventures (JV) or Consortiums shall not be accepted. The bidder must submit the proposal in its own capacity.
- c. The bidder must have a minimum of seven (07) years' experience as on 31.10.2025 in the field of Audio-Visual (AV) Systems and Allied Works.
- d. The bidder must possess valid registrations applicable to its business, including, GST, PAN, EPF and ESIC, Professional Tax (where applicable as per prevailing laws). Documentary proof of such registration(s) must be submitted.
- e. The bidder must submit copies of acknowledged Income-Tax Returns (ITRs) for the last three financial years.
- f. The bidder must have satisfactorily completed similar works during the last seven (07) years ending 31.10.2025, meeting any one of the following criteria:
 - (i) One (1) similar project of value not less than ₹12.00 crore; or
 - (ii) Two (2) similar projects of value not less than ₹7.50 crore each; or
 - (iii) Three (3) similar projects of value not less than ₹6.00 crore each.

It is clarified that the above stated values are exclusive of GST.

Similar Works" shall mean successful execution of Audio-Visual (AV) works involving Supply, Installation, Testing and Commissioning (SITC) of AV systems, including integration and augmentation of audio and video systems, networking of AV components, control systems, displays, conferencing systems, switching, signal-

distribution equipment, allied cabling and hardware, and other associated AV infrastructure, completed during the last seven (07) years ending 31.10.2025, under at least one single contract, executed for Central Public Works Department (CPWD), State Public Works Departments (PWD), Military Engineer Services (MES), Central Public Sector Undertakings (CPSUs), State Public Sector Undertakings (SPSUs), Public Sector Banks (PSBs), Listed Corporate Entities (under SEBI). The bidder shall submit a Work Order and Completion Certificate for the said single contract, and such documents must clearly specify the nature and scope of the AV works executed; the major and critical AV system components implemented; and the value of the contract (exclusive of GST). Only the AV works that satisfy the above requirements shall be considered for determining compliance with the "Similar Works" criteria.

g. Average Annual Financial Turnover

The bidder must have an Average Annual Turnover of at least ₹4.52 crore from AV systems / electrical / ELV / construction or related works during the last three (03) financial years, ending 31.03.2025. Certificate from a Chartered Accountant with UDIN must be uploaded in support of claim

h. Profit/Loss The bidder should not have incurred a loss in any of the last three (03) financial years ending 31.03.2025. Profit After Tax (PAT) must be positive in all three years, as evidenced from the audited standalone financial statements, duly certified by a Chartered Accountant.

i. The bidder should not be under any corporate insolvency resolution or insolvency proceedings, liquidation, court receiver or similar proceedings. The said aspects should be certified by a Chartered Accountant.

j. Solvency Certificate

The bidder must submit a Solvency Certificate for at least ₹4.52 crore, issued by a Scheduled Commercial Bank, dated on or after 01.05.2025.

k. Mandatory Experience with LED Technologies

The bidder must have successfully executed at least one single contract (supported by a single Work Order and Completion Certificate) involving the installation of Flip-Chip Micro-LED / COB Micro-LED / SMD walls during the last seven (07) years ending 31.10.2025.

l. The bidder must submit Work Orders and Completion Certificates for all projects claimed under the eligibility criteria. These documents must clearly specify the scope of AV works, major components executed, and contract value (exclusive of GST).

m. The bidder must have sufficient in-house technical personnel with sufficient skills to install, integrate, program, test, and commission AV systems including audio systems, LED walls, etc, and must demonstrate capacity to provide manpower and maintenance under the DLP and CAMC obligations for SBIL projects. Details of technical personnel with qualification, experience, and skill sets relevant to the scope of work, organization chart, staffing details, etc, should be submitted.

- n. The bidder shall have a fully operational office in Kolkata equipped to support implementation and servicing of the Bank's AV projects. The bidder shall provide the office address, contact details, email IDs of the project-implementation and service teams, GST registration applicable to the Kolkata location (with supporting documents), and all other required particulars.
- o. The bidder shall submit, along with the technical bid, copies of Income-Tax Returns for the last three financial years certified by Chartered Accountant, PAN, Certificate of Incorporation/Registration (as applicable to the bidder's legal structure), GST registration, and all other statutory registrations required under law.
- p. For each similar work completed during the last seven years, the bidder shall furnish a performance certificate issued by an officer not below the rank of Superintending Engineer, Chief Project Manager, or an equivalent authority of the client organization, confirming that the work was performed satisfactorily.
- q. The bidder shall own adequate tools, equipment, and machinery necessary for the timely execution of the AV works on a fast-track basis. A self-declaration supported by an inventory list must be submitted.
- r. Only bidders fulfilling all the eligibility criteria shall be eligible. Joint ventures and consortium bids shall not be accepted.
- s. The bidder shall deploy qualified personnel holding relevant professional certifications, including but not limited to:
 - AVIXA CTS – Certified Technology Specialist
 - Crestron / Extron / AMX / Lightware certified programmer
 - Poly or Cisco certified professional
 - Bose / Xilica / Biamp certified professional
 - Shure / Sennheiser / Audio-Technica certified professional
 - PMP (Project Management Professional) certified personnel

Notes:

Only works executed within India shall be considered for meeting the similar-work requirement.

Similar works submitted for qualification may be physically inspected by SBI officials or the Project Architect to verify completion, scope, and quality of the works before finalizing technical evaluation. The bidder shall fully cooperate with and extend all necessary assistance to the Bank's officials, including facilitating site visits, access, and verification of records as may be required for such inspection.

Where private-sector work is submitted in support of eligibility, the bidder shall submit TDS certificates (Form 16A / 26A). The contract value considered for eligibility shall be limited to the amount that matches the TDS records.

The Bank may at its own discretion seek confidential reports from previous employees/clients of the bidder.

Bidders must fulfil all pre-qualification criteria; bids not meeting the criteria shall be summarily rejected without correspondence.

Applications containing false or incomplete information shall be summarily rejected.

SECTION – 3: FORMS & DOCUMENTS FOR PREQUALIFICATION

INFORMATION TO THE BIDDERS**1.0 General:**

- 1.1 Letter of transmittal and forms for deciding eligibility are given in Section III.
- 1.2 All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a 'nil' or 'no such case' entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as 'Not applicable'. The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms (or) deliberately suppressing the information may result in the bid being summarily disqualified. Bids shall be submitted online only and those received in physical form, by telegram or telex and those received late will not be entertained.
- 1.3 The bid should be typed. The bidder should sign each page of application, forms and documents before scanning & uploading.
- 1.4 Overwriting should be avoided. Corrections if any should be made by neatly crossing out, initialing, dating and rewriting. Pages of the eligibility criteria document are numbered. Additional Sheets, if any added by the Bidder should also be numbered by him. They should be submitted as a package with signed letter of transmittal.
- 1.5 References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by an officer not below the rank of Executive Engineer or equivalent.
- 1.6 The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of eligibility criteria document unless it is called for by the Employer.

2.0 Definitions:

- 2.1 In this document the following words and expression have their meaning here by assigned to them.
- 2.2 "*Client*" / "*Employer*" means the **STATE BANK OF INDIA** with the **Corporate Centre** at State Bank Bhavan, Madame Cama Road, Nariman Point, Mumbai – 400 021, Maharashtra, **State Bank Institute of Leadership (SBIL), Kolkata** at Plot No. II F/2, Street No. 329, Action Area III, Newtown, Rajarhat, Kolkata – 700 160, West Bengal, and, **Local Head Office, Kolkata Circle**

(LHO Kolkata) at Samriddhi Bhavan, Block B, 1, Strand Road, Kolkata – 700 001, West Bengal, and includes Client's representatives, successors and assigns.

2.3 "Bidder" will mean the Partnership / Public Limited Company / Private Limited Company / Proprietorship Firm (registered under the Indian Companies Act 1956) / Corporation.

2.4 "Year" means "Financial year" unless stated otherwise.

4.0 Method of Application:

4.1 If the bidder is an individual, the application shall be signed by him above his/her full type written name and current address.

4.2 If the bidder is a proprietary firm, the application shall be signed by the proprietor above his/her full type written name and the full name of his firm with its current address.

4.3 If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full type written names and current addresses or alternatively by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney should accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.

4.4 If the bidder is a limited company or a corporation, the bid shall be signed by a duly authorized person holding power of attorney for signing the application and certified copy of such power of attorney shall also be furnished. The bidder should also furnish a copy of memorandum of articles of association duly attested by a Public Notary.

4.0 Final Decision-Making Authority: The Employer reserves the right to accept or reject any bid and to annul the process and reject all bids at any time without assigning any reason or incurring any liability to the bidders.

5.0 Particulars: The particulars of the work given in relevant section are provisional. They are liable to change and must be considered only as advance information to assist the bidder.

6.0 Site Visit: The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings to himself collect all information that he considers necessary for proper assessment of the prospective assignment. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site, whether he inspects it or not, and no extra charge consequent to any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity

access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc., will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

7.0 Letter of Transmittal: The Bidder should submit the letter of transmittal attached with the document.

8.0 Opening of Price Bid: After evaluation of applicants, a list of shortlisted agencies will be prepared. Thereafter the financial bids of only the **prequalified and technically acceptable bidders** shall be opened and conducted at the notified time, date and place (to be notified on e-tender website) in the presence of the qualified bidders or their representatives. The bid shall remain valid for **90 (ninety) days** from the date of opening of Technical Bid (eligibility bid).

9.0 Award Criteria:

9.1 The employer reserves the right, without being liable for any damages or obligation to inform the bidder too:

- (a) Amend the scope and value of contract to the bidder.
- (b) Reject any or all the applications without assigning any reason.

9.2 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the employer would result in rejection of his bid. Canvassing of any kind is prohibited.

10.0 If it comes to the notice of SBIL that the bidder has suppressed any information or furnished misleading or inaccurate information, or, in case whether any litigation currently in progress at the time of submission of bids leads to the decree by the Court of Law against the bidder, reserves the right to nullify the qualification and to disqualify the bidder at any stage of the Project. If such information becomes available to SBIL prior to issue of Letter of Intent (LOI), the bidder will be disqualified and will not be considered for award of work, even though the bidder is eligible for LOI. If such information comes to the knowledge of SBIL after the award of work, SBIL reserves the right to terminate the Contract unilaterally at the total cost and risk of the bidder and such action would include forfeiture of all deposits, guarantees, etc., furnished in any form, all damages as determined at the time of termination. SBIL will also reserve the right to recover Retention Money, Mobilization Advance paid by invoking Bank Guarantee.

10.0 The Tenderer shall be deemed to have waived rights if any that they may have or perceive to have because of their not being pre-qualified and shall not hold SBI for any loss they may have suffered due to their not being pre-qualified.

- 11.0** It may be noted that the bid documents (Online Price Bid) of ONLY THE PREQUALIFIED BIDDERS, WHO ARE SHORTLISTED FOR THE PROJECT on due diligence of the pre-qualification documents furnished by them, would be opened.
- 12.0** If at any stage it is found that the Tenderer having been selected on the basis of his submissions and support documents thereof in the prequalification documents or technical bid but after Award of Contract or during execution, his commitments of resources / levels of performance falls short from what has been promised in the technical bid or is not able to meet the technical specifications or requirements as duly called for in the Technical bid documents & technical specifications / Prequalification tender / Price bid document, SBI reserves the right to take the remedial actions as deemed fit at the Cost and Risk to the Tenderer so selected including termination of the contract and necessary action.
- 13.0** SBI reserves the right to annul the process of tender or to accept or to reject all or any of the tenders without thereby incurring any liability to any applicant or any obligation to inform any participant of the grounds for its action or assigning any reasons thereof.
- 14.0** The Tenderer hereby agrees to abide by SBI's decision on all matters pertaining to the Pre-qualification & further tender bid documents and undertakes not to resort to any actions either Legal or otherwise against SBI in this regard, including direct / indirect canvassing / influencing etc. Violation of this clause will lead to summary disqualification of the bidder without any reference to them.
- 15.0** Submission of application form, enclosure, attachments & other documents by the applicant on On-Line portal will imply that the applicant is conforming that the information, details, documents etc. thus submitted by them are complete, true, valid, neither altered nor tempered nor forged nor concealed partially/fully and the applicant has originals of these documents & information in his custody and will present the same before Bank for verification as & when required / asked by the Bank.
- 16.0** Applicants must ensure that they fill out the application documents by typing only (and not handwritten) truly, correctly & completely and have also uploaded / submitted all the necessary documents correctly (at relevant link)
- 17.0** If the Bank, at any point in time, finds that any information / details /document provided by the applicant is not correct / forged / tempered partially or fully or if has concealed any relevant information SBIL at its sole discretion may take appropriate action including excluding/dropping/deleting the names of the applicant/firm from the Prequalification list (if prequalified).
- 18.0** The intending applicants are categorically advised to submit the Prequalification documents strictly in the attached formats only through online portal "<https://etender.sbi>" and scanned copies (in PDF format only) &/or instructed by SBIL in the documents enclosed and to be attached wherever it is specified. The information required should be typed in each column and

rows of the formats. The applications received with “partly filled formats” not containing desired information in each columns/points/row of and where they have not enclosed /submitted/uploaded requisite relevant documents shall be treated as “INCOMPLETE”, and such applications may be summarily rejected by SBIL at its sole discretion without making any reference or further opportunity to the applicant.

- 19.0 SBIL at its sole discretion may relax the minimum eligibility criteria if Bank is of the view that number of applicants qualifying for a particular category are not sufficient for competitive bids.
- 20.0 Canvassing in any form including bringing influence from any person/agency/Officials/authorities shall lead to disqualification for the prequalification exercise.
- 21.0 The eligible and interested parties shall download prescribed application form and other details from Bank’s website: “<https://bank.sbi> >>> SBI in news >>> Procurement News Online application to be filled up & submitted at online portal <https://etender.sbi>
- 22.0 Hard copies of application or other documents shall be submitted by the applicant only if asked by the Bank. Hard copies submitted by the applicants of their own shall not be considered for any purpose.
- 23.0 Corrigendum/amendment/addendum (if any) would be hosted / uploaded on the e-tender website only. Hence, prospective applicants are advised to visit e-tender website regularly for the above purpose.
- 24.0 SBIL reserves the right to accept or reject any or all the applications without assigning any reason thereof and no correspondence will be entertained in this regard.

PRICE BID WILL BE OPENED FOR THOSE BIDDERS ONLY WHO WILL GET TECHNICALLY QUALIFIED THROUGH PREQUALIFICATION PROCESS.

ANNEXURE-A**APPLICATION FORM**

Pre-Qualification of Contractors / Firms for Proposed System Integrators for Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual Upgradation including networking at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.

(Please read the Application Documents carefully before filling-up)

(Please strike-off which is not applicable)

1	Name of the Contractor / Firm	
2	Communication Details:	
(a)	Full Postal Address	
(b)	Contact No.	
(c)	e-Mail ID	
3	Main Activities of Contractor / Firm	
4	Year of establishment of Contractor / Firm (Enclose certified copies of relevant documents)	
5	Constitution of the Firm (Enclose certified copies of relevant documents)	Sole Proprietorship / LLP / Partnership / Private Ltd. / Public Ltd. / Any other (Please specify)
6	Name of the Proprietor / Partners / Directors of the Organization / Firm	1. 2. 3.
7 (a)	Details of Authorized Signatory:	
(i)	Name of Authorized Signatory	
(ii)	Contact No.	
(iii)	e-Mail ID	
7 (b)	Mode of Authorization of Authorized Signatory (Enclose certified copies of relevant documents)	Resolution / Partnership Deed / Registered Power of Attorney / Proprietor / any other (Please specify)
8 (a)	Whether registered with Registrar of Companies / Registrar of Firms	Yes / No
8 (b)	If yes, mention number and dates (Enclose certified copies of relevant documents)	
9 (a)	Income Tax Permanent Account No. (PAN) (Enclose certified copies of relevant documents)	
9 (b)	GSTIN with Registration Certificate	

	<i>(Enclose certified copies of relevant documents)</i>	
9 (c)	PF Registration No. <i>(Enclose certified copies of relevant documents)</i>	
9 (d)	ESIC Registration No. <i>(Enclose certified copies of relevant documents)</i>	
10 (a)	If registered in the panel (s) of other organizations (CPWD, PWD, MES, Railways, Banks, etc.)	Yes / No
10 (b)	If yes, mention the name (s) of organization (s), registration No. & Date and Category, etc. <i>(Enclose certified copies of relevant documents)</i>	
11 (a)	Banker's Details: <i>(Enclose a "Cancelled" Cheque)</i>	
(i)	Banker's Name	
(ii)	Full Postal Address of Branch	
(iii)	Telephone No.	
(iv)	Account No.	
(v)	Type of Account	Savings Bank / Current / Cash Credit <i>(Please specify)</i>
11 (b)	Bank Solvency Limit <i>(Enclose certified copies of relevant documents)</i>	
12 (a)	Yearly turnover of the Firm during last 3 (three) consecutive Financial Years <i>(Enclose copy of affidavit / certificate from CA mentioning turnover of last 3 financial years)</i>	F.Y. 2024-25: F.Y. 2023-24: F.Y. 2022-23: Average:
12 (b)	Profit & Loss Statement of last 3 (three) consecutive Financial Years <i>(Enclose self-certified one page summarized & audited balance sheet and one page of summarized Profit & Loss Account for last 3 financial years collectively)</i>	F.Y. 2024-25: F.Y. 2023-24: F.Y. 2022-23:
13	Whether IT returns of last 3 (three) Financial Years filed <i>(Enclose certified copies of relevant documents)</i>	<i>(Please enclose certified copies of the IT Returns of FYs 2022-23, 2023-24 & 2024-25)</i>

14	Details of Similar Works executed & completed during last 7 (seven) years as on 31.10.2025 (Enclose certified copies of Work Completion Certificates)	(Please fill up & enclose Annexure – I and enclose copies of Work Order & Work Completion Certificates)
15	Details of Similar Works in hand	(Please fill up & enclose Annexure – II)
16	Performance Report of at least 3 (three) works (Please attach certified copies of Performance Report of at least 3 (three) works referred to in Annexure – I)	1. 2. 3. (Please attach Performance Reports duly filled-in & signed by the Competent Authority of Client (s) as per Annexure – III)
17	Any other relevant information	1. 2. 3. (Please fill and attach as Annexure – IV)
18	Name, Address, Email and Contact Nos. of at least 3 (three) people who are in position and competent to report about the quality and performance of your Firm (These persons should have been associated with any three completed similar works mentioned in Annexure – I.)	1. 2. 3.
19	Details along with Status of all disputes (including Litigation, Arbitration, Mediation, etc.) pertaining to similar contracts between the Firm and Clients, if any, during the last 7 (seven) years, i.e., from 01.04.2018 till 31.10.2025	(Please use additional sheet, if required)
20	Details of all de-listing / debarring / blacklisting / de-paneling, etc., of the Firm by any Organization / Client during the last 7 (seven) years, i.e., from 01.04.2018 till 31.10.2025	
21	Details (Name, Designation, PF No.) of near relatives working in State Bank of India (Please refer to instructions, terms & conditions for definition of near relatives.)	
22	Taxpayer Identification Number (TIN)	

	<i>(Enclose certified copies of relevant documents)</i>	
23	Authorization from OEM manufacturer	

Note: All Enclosures must be self-certified by Authorized Signatory.

DISCLAIMER

1. I / We have read and understood all the contents of these Application Documents and are acceptable to us. I / We also certify that my / our firm fulfils the ELIGIBILITY CRITERIA for this work.
2. I / We hereby confirm and certify that the information given above are correct and true and the Annexures / Enclosures etc. enclosed herewith are genuine.
3. I / We are authorized to sign and submit the Application Documents for prequalification.
4. I / We understand and agree that if at any stage it is found / noticed by SBIL that any information provided by us is untrue / incorrect, partly or fully and / or concealed in these Application Documents and / or also in case of receipt of any adverse / unsatisfactory report from previous or present clients / bankers, SBIL may, at its own discretion, reject application at any stage and / or may de-list us from PQ / Empanelment List and / or may take any other appropriate action.
5. I / We also understand and agree that partly / wrongly filled application and / or applications not on prescribed proforma and / or applications not accompanying relevant Documents / Enclosures / Annexures and Application Documents not signed by the Authorized Signatory and / received after the due date and time are liable to be summarily rejected by SBIL at its own discretion.
6. I / We understand and agree that this is merely an application/ and does not entitle us to be necessarily prequalified by SBIL and / or invite us for participating in tender process and Bank reserves the right to reject all and / or any application without assigning any reason thereof.

(Signature of Authorized Signatory)

(Seal of the Firm)

Name:

Designation in Firm:

Place:

Date:

(Please ensure to enclose all annexures / enclosures / relevant documents, etc., with application documents before submitting.)

ANNEXURE – B

PRE-QUALIFICATION OF SYSTEM INTEGRATOR's FIRM

BIO-DATA OF THE PARTNERS / ASSOCIATES / DIRECTORS

SL NO	PARTICULARS	DETAILS
1	Name and email id:	
2	Associated with the firm since:	
3	Date of Birth/ Age:	
4	Professional Qualifications	
5	Professional Experience:	
6	Professional Affiliation	
7	Membership in:	
8	Details of Published papers if any	
9	Details of cost-effective methods / designs adopted in the projects	
10	Exposure to new materials / gadgets / Techniques	
11	Details of Features of green AV systems / gadgets provided within the interior set-up's	
12	Details of modern amenities / innovations / gadgets provided if any	

Signature of the System Integrator with seal

Date:

Place:

ANNEXURE - C

**PRE-QUALIFICATION OF FIRM - LIST OF WORK COMPLETED
DETAILS OF ELIGIBLE SIMILAR WORKS COMPLETED
DURING THE LAST SEVEN YEARS ENDING ON 31.10.2025**

Important Note: Please mention all amounts excluding GST. Attach separate sheets if required.

Sl. No.	Particulars	Similar Work – 1	Similar Work – 1
1	Name of Work / Project		
2	Site Address		
3	Name of Client / Organization		
4	Address of Officer / Engineer-in-Charge from the Client to whom reference can be made		
(i)	Name		
(ii)	Designation		
(iii)	Contact No.		
(iv)	e-Mail ID		
5 (a)	Estimated Cost as per Tender floated / issued		
5 (b)	Contract Cost		
6	Completion Cost		
7	Completion Cost of Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual Upgradation including networking		
8 (a)	Date of Start of Work as per Contract / Work Order		
8 (b)	Actual Date of Start of Work		
9 (a)	Scheduled date of Completion of work as per Contract		
9 (b)	Actual Date of Completion of Work		
10 (a)	Stipulated Period of Completion as per Contract (in Months)		
10 (b)	Actual Time taken in Completion (in Months)		
11	Number of Approved / Authorized Extension granted by Client		
12	Reasons of Delay		
13	Penalty / LD Amount		
14	Details of Dispute / Litigation, if any		
15	Any other relevant information, if the applicant wants to furnish		

Note: Photographs of the completed works in A4 size paper and photocopies of all self-attested documentary evidence are to be enclosed.

ANNEXURE - D**PRE-QUALIFICATION OF FIRM - WORK IN HAND****LIST OF MAJOR WORKS (AV WORKS) IN HAND AS ON DATE**

Important Note: Please mention all amounts excluding GST. Attach separate sheets if required.

Sl. No.	Particulars	Similar Work – 1	Similar Work – 1
1	Name of Work / Project		
2	Site Address		
3	Name of Client / Organization		
4	Address of Officer / Engineer-in-Charge from the Client to whom reference can be made		
(i) (ii) (iii) (iv)	Name Designation Contact No. e-Mail ID		
5 (a)	Estimated Cost as per Tender floated / issued		
5 (b)	Contract Cost		
6	Date of Start of Work at Site		
7	Present Status of Work / Progress at Site		
8	Any other relevant information, if the applicant wants to furnish		

Note: Photographs of the ongoing works in A4 size paper and photocopies of all self-attested documentary evidence are to be enclosed.

Signature of the System Integrator with seal

Date:

Place:

PERFORMANCE REPORT**DETAILS OF ELIGIBLE SIMILAR WORKS IN HAND
DURING THE LAST SEVEN YEARS ENDING ON 31.10.2025**

Important Note: Please mention all amounts excluding GST. Attach separate sheets if required.

Sl. No.	Particulars	Details
1	Name of Work / Project	
2	Location	
3	Estimated Cost	
4	Tendered Cost	
5	Actual Completion Cost	
6	Date of Start of Work at Site	
7 (a)	Stipulated Date of Completion	
7 (b)	Actual Date of Completion	
8	Any Liquidated Damages / Penalty / Levy decided, if Yes, Amount	Yes / No Amount:
9	Performance Report	Outstanding / Very Good / Good / Average / Poor
(i)	Quality of Work	Outstanding / Very Good / Good / Average / Poor
(ii)	Timely Execution	Outstanding / Very Good / Good / Average / Poor
(iii)	Integrity as regard to Working	Outstanding / Very Good / Good / Average / Poor
(iv)	Ease in settling Extra Items	Outstanding / Very Good / Good / Average / Poor
(v)	Resourcefulness	Outstanding / Very Good / Good / Average / Poor
(vi)	Technical Proficiency	Outstanding / Very Good / Good / Average / Poor
(vii)	Litigation	
(viii)	General Behavior / Conduct	
10	Additional Information / Remarks	

 Signature of Officer / Engineer-in-Charge
(not below Executive Engineer or equivalent)

(Seal of the Officer)

Designation:

Date:

ANNEXURE – F**OTHER RELEVANT INFORMATION**

Details of Technical Staff with the Firm / Contractor				
A	Name of Manager / Engineer / Supervisor	Qualification	With Firm for how many years	Total Experience in Years
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
Details of own Equipment, etc., with the Firm / Contractor				
B	Name of Equipment	Unit (No. / Sqm, etc.)	Quantity	Specification / Quality
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Note: Attach separate sheets if required.

ANNEXURE – G**DECLARATION REGARDING NEAR RELATIVES WORKING IN THE STATE BANK OF INDIA**

I/We.....S/o/D/o.....
.....Residing at
..... hereby certify
that none of our relatives(s) as defined in the Tender document is/are employed in the State Bank of India as per details given in tender document. In case at any stage, it is found that the information given by me is false/incorrect, the State Bank of India shall have the absolute right to take any action as deemed fit, without any prior intimation to me.

(The near relatives are members of a Hindu undivided family/husband and wife/ the one related to the other in the manner as father, mother, son(s) and son's wife (daughter-in-law), daughter(s), husband (son-in-law), brother(s) and brother's wife, sister(s) & sister's husband (brother-in-law).

Place :

Date :

Signature of Applicant with Seal

Name in Capital Letters:

Address:

ANNEXURE – H

**DETAILS OF THREE RESPONSIBLE CLIENTS / PERSONS WITH WHOM THE MAJOR WORKS CARRIED
OUT BY THE APPLICANT**

S. No.	Name of the Official	Organization & Address	Contact Numbers	E-mail ID

(Add separate sheet if required)

Notes:

1. Information must be filled up specifically in this format.
2. Indicate other points, if any, to show your technical competence to indicate any important point in your favor.

Name of Authorized Signatory

Sign & seal of the applicant

**DETAILS OF LITIGATION / ARBITRATION CASES RESULTING FROM THE CONTRACTS EXECUTED IN
THE LAST SEVEN YEARS OR CURRENTLY
UNDER EXECUTION**

Year	Award for or against Applicant	Name of Client	Cause of Litigation and Matter of Dispute	Disputed Amount	Actual Awarded Amount

(Add separate sheet if required)

Notes:

1. Information must be filled up specifically in this format.
2. Indicate other points, if any, to show your technical competence to indicate any important point in your favor.

Name of Authorized Signatory

Sign & seal of the applicant

ANNEXURE – J

DETAILS OF KEY TECHNICAL PERSONNEL (PERMANENT EMPLOYEE), GIVING DETAILS ABOUT THEIR TECHNICAL QUALIFICATION & EXPERIENCE INCLUDING THEIR IN-HOUSE ESTABLISHMENT

S. No.	Name	Qualification	Experience	Particulars of Work Done	Employed in Your Firm Since	Any Other Information
	List of important Personnel from the Management / Projects Design Team / Senior Executive Team overseeing the Project as well as the Service's team					
	List of important Personnel from the Projects Execution Team / Work force including the Service's team in charge of CAMC & Works within the DLP: -					

(Add separate sheet if required)

Notes:

1. Information has to be filled up specifically in this format.
2. Indicate other points, if any, to show your technical competence to indicate any important point in your favor.

Name of Authorized Signatory

Sign & seal of the applicant

ANNEXURE – K**DETAILS OF ACTION OF BLACKLISTING / DEBARRING / DE-PANELING / SUSPENDING BY GOVT / SEMI-GOVT./ PSU/ PSB/ CORPORATE HOUSES DURING LAST SEVEN YEARS**

Date, Month & Year of Action	Name, Address, Mail Id of Client	Exact action & Period	Reasons for Action

- (1) Information must be filled up by Typing specifically in this format only
(2) Additional rows / sheets may be added

Name of Authorized Signatory:

Signature with seal

Place:

Date:

FORM – A : FINANCIAL INFORMATION

I. Financial Analysis: Details are to be furnished duly supported by figures in balance sheet / profit & loss account for the last 5 (five) years duly certified and audited by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached):

(Amounts: Rupees in Crores)

Sl. No.	Particulars	Financial Year				
		2020-21	2021-22	2022-23	2023-24	2024-25
(i)	Gross Annual Turnover on similar works					
(ii)	Profit & Loss (standalone financial statement and consolidated financial statement both).					

II. Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Signature of Bidder (s)

Place:

Date:

FORM B**FORM OF BANKERS' / SOLVENCY CERTIFICATE OF RECENT DATE, i.e., NOT OLDER THAN
01.05.2025, ISSUED BY A SCHEDULED COMMERCIAL BANK**

To,

The Assistant General Manager (Admin.)

State Bank Institute of Leadership (SBIL), Kolkata,

Plot No. II F/2, Street No. 329,

Action Area III, Newtown, Rajarhat,

Kolkata – 700 160, West Bengal.

No.:

Date:

SOLVENCY CERTIFICATE

This is to certify that, to the best of our knowledge and information, M/s. / Sri....., a customer of our bank, has been maintaining Savings Bank / Current Account bearing number.....with our Branch, since (Month and Year). We understand from the customer that the certificate is for the purpose of Tender with your organization. We further certify that M/s / Shri / Smt.is solvent to the extent of INR (Rupees.....only).

This certificate is issued by SBIL at the specific request of the customer and should be regarded as without any guarantee or liability, financial or otherwise, on the part of SBIL or its officials.

(Signature)

For SBIL

Note:

1. Bankers 'certificate should be original on the letter head of the Issuing Bank duly sealed in cover and addressed to enlistment authority.
2. In case of partnership firm, certificate to include names of all partners as recorded with the Bank.

FORM C

To,

The Assistant General Manager (Admin.)

State Bank Institute of Leadership (SBIL), Kolkata,

Plot No. II F/2, Street No. 329,

Action Area III, Newtown, Rajarhat,

Kolkata – 700 160, West Bengal.

Subject: Submission of Bids for SITC of Audio-Visual Upgradation Works at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal

Sir,

Having examined details given in press Notice and bid document for the above work, I/we hereby submit the relevant information:

“It is to certify that as per the audited balance sheet and profit & loss account during the financial year _____, the Net-worth of M/s _____ (Name & Registered address of the individual / firm / company), as on 31st March 2025 is Rs. _____ after considering all liabilities. It is further certified that the Net-worth of the company has not eroded by more than 30% in the last three year ending on 31st March 2025.”

(Signature of the Chartered Accountant)

Name of the Chartered Accountant

Membership No. of ICAI

Date & Seal

FORM D**PROFORMA OF AFFIDAVIT FOR EXECUTION OF SIMILAR WORKS**

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

(Scanned copy to be uploaded at the time of submission of bid)

NOTE: Affidavit is to be furnished on a non-judicial stamp paper worth `100/-.

Signature of Bidder(s) or an authorized signatory

Officer of the firm with stamp

FORM E**PROFORMA OF AFFIDAVIT FOR NON-BLACK LISTING**

I / we undertake and confirm that our firm/partnership firm has not been blacklisted by any State / Central Departments / PSUs / Autonomous bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the State Bank of India, then I / we shall be debarred for bidding in State Bank of India in future forever. Also, if such an information comes to the notice of State Bank of India on any day before date of start of work, SBIL shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.

(Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit is to be furnished on a non-judicial stamp paper worth `100/-.

Signature of Bidder(s) or an authorized signatory

Officer of the firm with stamp

Signature of Notary with seal

FORM-F**DECLARATION**

1. All the information furnished by me/us here above is correct to the best of my knowledge and belief.
2. I/We have no objection if enquiries are made about the work listed by me/ us in the accompanying sheets/ annexures.
3. I/We agree that the decision of Bank in selection of the System Integrator will be final and binding to me/ us.
4. I/We hereby confirm that our firm/agency/company has not been disqualified / debarred / blacklisted by any Governments, Semi-governments, PSUs, Banks including any of the Offices/Branch of State Bank of India Pan India during last 7 year from the date of application.
5. I hereby confirm that all information, particulars, copies of certificates & testimonials in connection with my empanelment are correct and genuine. I am, therefore, liable to face appropriate actions as deemed fit by SBIL in the event of any of the information, particulars, copies of certificates and testimonials are not found correct and genuine.

Place:

Signature of the applicant / firm with seal

Date:

**LETTER OF TRANSMITTAL
INFORMATION REGARDING ELIGIBILITY**

From:

.....
.....
.....

To:

The Asstt. General Manager (Admin.),
State Bank of India, State Bank Institute of Leadership
Plot No. II F/2, Street No. 329, Action Area III
Newtown, Kolkata - 700160.

Subject: Submission of bids for Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual Upgradation Works at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.

Sir,

Having examined details given in press Notice and bid document for the above work, I/we hereby submit the relevant information.

1. I/We hereby certify that all the statements made, and information supplied in the enclosed forms A to E and accompanying statement are true and correct.
2. I / we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/ we submit the requisite certified Banker's certificate and authorize the **Assistant General Manager (Admin)** to approach SBIL by issuing the Banker's certificate to confirm the correctness thereof. I/We also authorize **Assistant General Manager (Admin)** to approach individuals, employers, firms and corporations to verify our competence, work experience, and general reputation.
4. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:

Name of Work	Certificate from

Certificate:

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

Enclosures:

Date of submission:

Date: -/...../.....

Seal & Signature of bidder(s)

LETTER OF UNDERTAKING

To,
 The Asstt. General Manager (Admin.),
State Bank of India, State Bank Institute of Leadership
 Plot No. II F/2, Street No. 329, Action Area III
 Newtown, Kolkata - 700160.

Dear Sir,

Having examined the drawings, specification, design and schedule of quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Quantities and Conditions of Contract and with such materials as are provided for by, and in all other respects in accordance with such conditions so far as they may be applicable

MEMORANDUM

(a)	Description of work	Tender for "Proposed System Integrators for Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual Upgradation works at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.
(b)	Earnest Money	Rs. 15,09,000/- (Rupees Fifteen Lakhs Nine Thousand Only) calculated @ 1% of the Estimated Amount (No. 6 above), rounded up to nearest thousand rupees, to be drawn in the form of Demand Draft (DD) [valid for a period of 90 (ninety) days from the date of commencement of tendering] in favour of State Bank of India and payable at Kolkata. EMD of unsuccessful bidders will be returned after opening of Online Price Bid.
(c)	Time allowed for completion of the Works	60 days (including Sundays and Holidays) from the Date of Issue of the Work Order or the Site Handover Date, whichever is later

- 1) Should this tender be accepted, I/we hereby agree to abide by and fulfill the terms and provisions of the said conditions of contract annexed hereto so far as may be applicable or in default thereof to forfeit and pay to SBI, the amount mentioned in the said contract.
- 2) I / We have deposited a sum of **Rs. 15,09,000/- /- (Rupees Fifteen Lakhs Nine Thousand Only)** of the total tender amount as Earnest Money with the SBI which amount is not to bear any interest. Should I / We fail to execute the Contract when called upon to do so I / We do hereby agree that this sum shall be forfeited by me/us to SBI.
- 3) I/ We have read and understood various clauses of this tender and hereby submit our specific undertaking and concurrence in terms relevant clause of "Instruction to tenderer" to deposit **Additional Security Deposit (ASD)** of required amount as provided for in this tender and within the stipulated period, in case, my/our tender is found too low Additional Security Deposit (ASD) / Additional Performance Guarantee (APG) shall be applicable if the bid price is below **10%** of

the estimated cost put to tender. The amount of such ASD/APG shall be the difference between 90% of estimated cost put to tender and the quoted price, as a performance guarantee for due fulfilment of our contractual obligation for the project.

Further, under any circumstances, whatsoever, if I/We fail to comply with the same including compliance of any such other conditions of tender within the stipulated time. I /We hereby, authorized SBI to cancel my/Our tender, to forfeit my EMD/ISD/ASD and to take further necessary action as deemed fit including debarring our firm from participating in SBI future tenders/de-paneling etc.

- 4) I/ We understand that as per terms of this tender, the SBI may consider accepting our tender in part or whole or may entrust the various work proposed in phases. We, therefore, undertake that we shall not raise any claim/ compensation in the eventuality of Bank deciding to add/drop any of the work from the scope of work of this tender at any stage during the contract period. Further, we also undertake to execute the work entrusted to us in phases on our approved rates and within stipulated time limit without any extra claim for price escalation as also provided for in the relevant clause "Instructions to Tenderers" of this tender.
- 5) I/ We, hereby, also undertake that, we will not raise any claim for any escalation in the prices of any of the material during the currency of contract/execution/completion period including authorized extended contract period, if any.
- 6) I / We, hereby, undertake that, we will obtain necessary statutory approvals/ necessary permission from relevant Govt/ competent authority in consultation with Project Architect for carrying-out the captioned project works time-to-time on behalf of the Bank. For the purpose, Bank will reimburse the statutory charges/ cost as actual, on production of tax receipts/ invoices in originally by us.
- 7) Our Bankers are:
 - i)
 - ii)

The names of partners of our firm are:

- i)
- ii)

Name of the partner of the firm

Authorized to sign

Or

(Name of person having Power of Attorney to sign the Contract.

(Certified true copy of the Power of Attorney should be attached)

Yours faithfully,

Signature of Contractors.

Signature and addresses of Witnesses

- i)
- ii)

INTEGRITY AGREEMENT**TO BE SIGNED BY THE BIDDER AND SAME SIGNATORY COMPETENT / AUTHORIZED TO SIGN THE RELEVANT CONTRACT WITH STATE BANK OF INDIA****INTEGRITY AGREEMENT**

This Integrity Agreement is made at on this day of20.....

BETWEEN

State bank of India represented through Assistant General Manager (Admin.), State Bank Institute of Leadership (SBIL), Kolkata, Plot No. II F/2, Street No. 329, Action Area III, Newtown, Rajarhat, Kolkata – 700 160, West Bengal (Hereinafter referred as the '**Principal/Owner**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

..... (Name and Address of the Individual / firm/ Company)
..... through (Hereinafter referred to as the (Details of duly authorized signatory) "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns).

PREAMBLE:

WHEREAS the Principal / Owner has floated the Tender (NIT No.) (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for "**C/o**" hereinafter referred to as the "**Contract**".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relationship with its Bidder(s) and Contractor(s).

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

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witness as below:

ARTICLE 1: Commitment of the Principal/Owner

1. The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will, in connection with the Tender, or the execution of the Contract, make a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, before and during the Tender process, provide all Bidder(s) with the same information and will not provide any Bidders(s) with confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal/Owner shall endeavor to exclude from the Tender process any person whose conduct in the past has been of biased nature.
2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

ARTICLE 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government/Department all suspected acts of **fraud or corruption or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies to prices,

specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

- (c) The Bidder(s)/Contractor(s) will not commit any offence under relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not be used improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details including information contained or transmitted electronically.
 - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and address of foreign agents/representatives, if any. Either the India agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
 - (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
 - 4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to detriment of the Government interests.**
 - 5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

ARTICLE 3: Consequences of Breach

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

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

ARTICLE 4: Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

ARTICLE 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any

violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.

2. The Principal/Owner will enter Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

ARTICLE 6: Independent External Monitors (IEM)

1. The Principal/Owner may appoint IEM for this Pact as per Central Vigilance Commission orders. Names and Addresses of the IEM shall be given in due course.
2. The task of the IEM shall be to review independently and objectively whether and to what extent the parties comply with the obligations under this Pact.
3. The IEM shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
4. Both the parties accept that the IEM have the right to access all the documents relating to the project/procurement, including minutes of meetings.
5. As soon as the IEM notices, or has reason to believe, a violation of this Pact, he will inform the Authority designated by the Principal/Owner.
6. The BIDDER(s) accepts that the IEM has the right to access without restriction to all Project documentation of the Principal/Owner including that provided by the BIDDER. The BIDDER will also grant the IEM, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The IEM shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.
7. The Principal/Owner will provide to the IEM with sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer the IEM the option to participate in such meetings.
8. The IEM will submit a written report to the designated Authority of Principal/Owner /Secretary in the Department/ within 8 to 10 weeks from the date of reference or intimation to him by the Principal/ Owner / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

ARTICLE 7: Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal/ Owner or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

ARTICLE 8: Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor, 36 months (3 years) after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapses of these Pacts as specified above, unless it is discharged/determined by the Competent Authority, SBI.

ARTICLE 9: Other Provisions

1. This Pact is subject to Indian Law, place of performance and jurisdiction is **Kolkata, / location** of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement with their original intentions.
5. It is agreed terms and conditions that any dispute or difference arises between the parties about the terms of this Integrity Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement / Pact or interpretation thereof shall not be subject to arbitration.**

ARTICLE 10: LEGAL AND PRIOR RIGHTS

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

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Bidder/Contractor)

.....
(For and on behalf of Principal/Owner)

Date:

Place:

WITNESSES:

1.
(Signature, name and address)

2.
(Signature, name and address)

SECTION-4 INSTRUCTIONS TO THE TENDERERS**1.0 Scope of work**

E-tenders on “percentage-rate basis” are invited by SBI, State Bank Institute of Leadership, Kolkata for Proposed System Integrators for Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual Upgradation with networking at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.

1.1 Site and its location

The proposed work is to be carried out at the Learning Center(Ashoka Bhawan), ED Hostel (Dakshinayan) & Auditorium at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.

2.0 Tender documents

- 2.1 The work must be carried out strictly according to the conditions stipulated in the tender consisting of the following documents and the most workmen like manner.

Instructions to tenderers**General conditions of Contract****Special conditions of Contract****Additional specifications****Drawings****Priced Bid A**

- 2.2 The above documents shall be taken as complementary and mutually explanatory of one another but in case of ambiguities or discrepancies, shall take precedence in the order given below.

- a) Price Bid
- b) technical specifications
- c) Drawings
- d) Special conditions of contract
- f) General conditions of contract
- g) Instructions to Tenderers

- 2.3 The tender documents are not transferable.

3.0 Site Visit

- 3.1 The tenderer must obtain himself on his own responsibility and his own expenses all information and data that may be required for the purpose of filling in this tender document and enter a contract for the satisfactory performance of the work. The tender is requested to satisfy himself regarding the availability of water, power, transport and communication facilities, the character quality and quantity of the materials, labor, the law-and-order situation, climatic conditions local authorities' requirement, traffic regulations etc.

The tender will be fully responsible for considering the financial effect of any or all the factors while submitting his tender.

4.0 Earnest Money

- 4.1 The tenderers are requested to submit the Earnest Money of **Rs. 15,09,000/- (Rupees Fifteen Lakhs Nine Thousand Only)** by means of Demand Draft / Pay Order (Valid for a period of 90 Days from the last date of submission of the tender) from any scheduled Nationalized Bank drawn in favor of **State Bank of India and payable at Kolkata.**

- 4.2 EMD in any other form other than as specified above will not be accepted. Tender not accompanied by the EMD in accordance with clause 4.1 above shall be rejected.

- 4.3 No interest will be paid on the EMD.

- 4.4 EMD of unsuccessful tenderer will be refunded within 30 days of award of Contract.

5.0 Initial Security Deposit

The successful tenderer will have to submit a sum equivalent to 2% of accepted tender in favor of State Bank of India and payable in Kolkata. within a period of 15 days of acceptance of tender.

6.0 Security Deposit

Apart from the ISD as above, **Performance Security Amount, i.e., Total Security Deposit (TSD) in the form of Retention Money (RM)** shall be deducted from progressive running bills @ 10% of the gross value of work done by the Contractor and claimed in each bill, provided, **the Total Security Deposit (TSD) shall not exceed 5% of the Accepted Contract Price (Work Order Value).** The retention money will not be deducted if adequate Bank Guarantee from a Nationalized Bank other than SBI is submitted by the contractor. An amount @ 50% of the TSD will be refunded to the contractor, subject to the issue of virtual completion certificate by SBIL/ Consultant and contractor removing his materials, equipment, labor force, temporary shed / stores, etc., from the site. The balance 50% will be refunded to the contractor 30 (Thirty) days after the expiry of **Defect Liability Period (DLP), i.e., 36 months from the date of completion of work**, provided he has satisfactorily carried out all the works, submitted all documents contractually called for and attended to all defects during DLP in accordance with the conditions of contract. ***SBIL is not liable to pay any interest on the Performance Security Amount / Retention Money.***

6.1 Additional Security Deposit

If the percentage offered above / below / at par by the successful bidder is found to be below **10%** of the estimated amount put to tender, SBIL may, at its sole discretion, advise the contractor to submit **Additional Security Deposit / Additional Performance Guarantee** for **the differential amount between 90% of the Estimated Amount (E) put to tender and their Quoted Amount (Q), i.e., $E \times 90\% - Q = ASD / APG$** (rounded up to the nearest thousand rupees), which may be submitted in the form of either Demand Draft (DD), drawn in favour of State Bank of India and payable at Kolkata, or, Bank Guarantee, duly obtained from any nationalized bank other than State Bank of India, as per prescribed format that shall be provided at the material time.

ASD / APG shall be liable for verification, validation & sanctity and may be refunded back in case of DD, or, returned in case of BG on claim by the contractor **after virtual completion of the work. SBIL shall not be liable to pay any interest against the deposited ASD / APG.**

No interest shall be paid to the amount retained by SBIL as Security Deposit.

7.0 Signing of contract Documents

The successful tenderer shall be bound to implement the contract by signing an agreement and conditions of contract attached herewith within 7 days from the receipt of intimation of acceptance of the tender by the Bank. However, the written acceptance of the tenders by SBIL will constitute a binding agreement between SBIL and successful tenderer whether such formal agreement is subsequently entered into or not.

8.0 Completion Period

Time is essence of the contract. The work should be completed in all respects in accordance with the terms of contract within a period of **60 days** from the date of award of work.

9.0 Validity of tender

Tenders shall remain valid and open for acceptance for a period of 90 days from the date of opening price bid. If the tender withdraws his/her offer during the value period or makes modifications in his/her original offer which are not acceptable to Bank without prejudice to any other right or remedy SBIL shall be at liberty to forfeit the EMD.

10.0 Liquidated Damages

The liquidated damages shall be 0.50% per week subject to a maximum of 5% of contract value.

SECTION – 5: GENERAL CONDITIONS OF CONTRACT

5.1 ASSERTION:

Except where provided for in the description of individual items in the Schedule of Works (SOW) / Bill of Quantities (BOQ) and in the specifications & conditions laid down hereinafter and, in the drawings, the work shall be carried out as per standard specifications and under the direction of SBI / Consultant.

5.2 INTERPRETATION:

In constructing these conditions, the specifications, the schedule of quantities, the tender and agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires:

- i) **Client:*** The term “*Client*” shall denote **STATE BANK OF INDIA** with the **Corporate Centre** at State Bank Bhavan, Madame Cama Road, Nariman Point, Mumbai – 400 021, Maharashtra, **State Bank Institute of Leadership (SBIL), Kolkata**, Plot No. II F/2, Street No. 329, Action Area III, Newtown, Rajarhat, Kolkata – 700 160, West Bengal, and, **Local Head Office, Kolkata Circle (LHO Kolkata)** at Samriddhi Bhavan, Block B, 1, Strand Road, Kolkata – 700 001, West Bengal, and includes Client’s representatives, successors and assigns.
- ii) **Consultant:*** The term “*Consultant*” shall mean the Project Architect, if any, engaged by the Client, or in the event of their ceasing to be the Consultant for the purpose of this contract, such other person (s) as the Client shall nominate for the purpose. In this project, **M/s. 3CDN Workplace Tech Pvt. Ltd.** having the Office Address at # 502 SW, 5th floor, Neil Tower of Neil Rao Towers, 117, Rd Number 3, Vijayanagar, EPIP Zone, Whitefield, Bengaluru, Karnataka has been appointed as the Project Architect.
- iii) **Contractor:*** The term “*Contractor*” shall mean the successful bidder in the e-Tendering vide this office **Tender ID SBIL-KOL-2025-12-CC-AV dated 05.12.2025**, and their heirs, legal representatives, assigns and successors.
- iv) **Site:*** The “*Site*” shall mean **State Bank Institute of Leadership (SBIL), Kolkata, Ashoka Bhavan (Admin. Bldg.), Plot No. II F/2, Street No. 329, Action Area III, Newtown, Rajarhat, Kolkata – 700 160, West Bengal**, where the work is to be executed as per the lay-out plan (s) and drawing (s) including any other building (s) thereat allotted by SBIL/ Consultant for the Contractor’s use.
- v) **Site Engineer / Project Management Consultant (PMC):*** The “*Site Engineer / Project Management Consultant*” shall be the person / organization appointed by SBIL/ Consultant for administration of the proposed work / project.

- vi) **Drawing:** The work is to be carried out in accordance with the drawings, specifications, the schedule of quantities and any further drawings or any other instruction, which may be given by SBIL/ Consultant, during the execution of the work.

All drawings relating to work given to the Contractor together with a copy of schedule of quantities are to be kept at site and SBIL/ Consultant shall be given access to such drawings or schedule of quantities whenever necessary. Detail fabrication drawings where required are to be prepared by the Contractor and have these approved by the Consultant before taking up execution. The Contractor shall ask in writing for all clarifications on matters occurring anywhere in drawings, specifications and schedule of quantities or to additional instructions at least 15 days ahead from the time when it is required for implementation so that SBIL/ Consultant may be able to give decision thereon.

★ *“The Work”* shall mean the work to be executed or done under this contract.

★ *“Act of Insolvency”* shall mean any act as defined by the Presidency Town Insolvency Act, 1909, or, in the Provincial Insolvency Act, 1920 (enactments) or any amending statutes.

★ *“Schedule of Works”* shall mean the schedule of quantities (BOQ), forming part of the contract.

★ *“Priced Schedule of Quantities”* shall mean the schedule of works, duly priced with the accepted quoted Item-rates for each item of the Contractor against the Bank’s approved specification.

5.3 SCOPE OF WORKS: The scope of work consists of the following at the Site in accordance with the Drawings and Schedule of Works –

S.I.T.C of Audio-Visual Upgradation work with networking at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal. It includes providing all materials, labor, tools & tackles, equipment and management necessary for and incidental to the execution, construction and completion of the work in conformity with the designs, drawings, specifications, bill of quantities, etc. Should any detail, essential for efficient completion of the work, be omitted from the drawings / specification, it shall be the responsibility of the Contractor to inform SBIL/ Consultant and to furnish and install such detail with Bank’s / Consultant’s concurrence, so that upon completion of the proposed work the same becomes acceptable.

SBIL/ Consultant may, in their absolute discretion, issue further drawings and / or written instructions, details, directions and explanations, which are hereafter collectively referred to as *“The Bank’s / Consultant’s Instructions”* with regard to the following –

- (a) Variation or modification of the design, quality or quantity of work or the addition or omission or substitution of any work
- (b) Any discrepancy in the drawing or between the schedule of quantities and / or drawing and / or specification
- (c) Removal of any defective material brought thereon by the Contractor from the site and the substitution of any other material thereof

- (d) Demolition, removal and re-execution of any work already executed by the Contractor
- (e) Dismissal of any person from the work employed thereupon
- (f) Opening up for inspection of any work covered up
- (g) Rectification and making good of any defects under clauses hereinafter mentioned and those arising during the Defect Liability Period.

The Contractor shall forthwith comply with and duly execute any work comprised in such Bank's / Consultant's instruction provided always that verbal instruction, directions and explanations given to the Contractor or his representative upon the work by SBIL/ Consultant shall, if involving a variation, be confirmed in writing to the Contractors within seven days. No work, for which rates are not specifically mentioned in the priced schedule of quantities, shall be taken up without written permission of SBIL/ Consultant. Rates of items not mentioned in the priced schedule of quantities shall be fixed by SBIL in consultation with the Consultant as provided in Clause "Variation".

5.4 DETAILED DRAWINGS AND INSTRUCTIONS:

The Bank, through its Consultant, shall furnish with reasonable promptness additional instruction by means of drawings or otherwise necessary for proper execution of the work. All such drawings and instructions shall be consistent with contract documents, true documents thereof and reasonably inferable therefrom. The work shall be executed in conformity therewith and the Contractor shall not work without proper drawings and instructions. Immediately after receipt of the work order of the contract, the Contractor shall prepare a progress schedule and submit the same to SBIL through the Consultant for approval which shall indicate the dates for the starting and completion of the various stages of construction.

5.5 COPIES FURNISHED:

The Contractor, on signing the contract and submission of undertaking **(Proforma – X)**, shall be furnished by SBIL/ through its Consultant free of charge with a copy of the priced schedule of quantities / rates, two copies of each of the said drawings and one copy of specification and two copies of all further drawings issued during the progress of the work. Any further copies of such drawings required by the Contractor shall be supplied on payment by the Contractor of the charges, therefore.

5.6 OWNERSHIP OF DRAWING:

All drawings, specifications and copies thereof furnished by SBIL through its Consultant are the property of the Bank. They are not to be used on other work, and with the exception of the signed contract set, are to be returned to SBIL on request on completion of the work.

5.7 FAILURE BY CONTRACTORS TO COMPLY WITH INSTRUCTIONS OF SBIL/ CONSULTANT:

If the Contractor, after receipt of written notice from SBIL or the Consultant requiring compliance of any instructions within 10 (ten) days, fails to comply with such instructions, the Bank, through the Consultant, may employ other person (s) to carry out any such instructions whatsoever that may be necessary to give effect thereto and pay all cost in connection therewith. The Contractor shall either pay SBIL the cost incurred by SBIL in connection therewith or SBIL may release the cost from any money due or to become due to the Contractor.

❑ Owner's Right to Terminate the Contract:

If the Contractor, being an individual or a firm, commit any act of "Insolvency", or, shall be adjusted an insolvent, or, being an incorporated company, has an order for compulsory winding up voluntarily or subject to the supervision of Govt. and of the Official Assignee of the Liquidator in such acts of insolvency or winding up, and becomes unable within 7 days after notice to him to do so to show to the reasonable satisfaction of SBIL/ Consultant that he is able to carry out and fulfil the contract and to give security therefore if so required by SBIL/ Consultant, *OR*,

If the Contractor, whether an individual firm or incorporated company, shall suffer execution to be issued or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the Contractor, *OR*,

If the Contractor shall assign or sublet his contract without the Bank's consent in writing through the Consultant or shall charge or encumber this contract or any payment due to which may become due to the Contractor thereunder:

↳ has abandoned the contract, *OR*,

↳ has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for 15 days after receiving from SBI through the Architect / Consultant written notice to proceed, *OR*,

↳ has failed to proceed with the works with such diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or has failed to remove the materials from the site or to pull down and replace work within seven days after written notice from SBIL through the Consultant that the said materials were condemned and rejected by the Consultant under these conditions, *OR*,

↳ has neglected or failed persistently to observe and perform all or any of the acts, matters or things by this contract to be observed and performed by the Contractor for seven days after written notice shall have been given to the Contractor to observe or perform the same or has to the detriment of good workmanship or in defiance of the instructions of SBIL/ Consultant to the contrary subject any part of the contract,

THEN, and in any of the said cases, SBIL or the Consultant, may not withstanding any previous waiver, after giving seven days' notice in writing to the Contractor, determine the contract, but without thereby affecting the powers of SBIL/ Consultant or the obligation and liabilities of the

Contractor, the whole of which shall continue in force as fully as if the contract had not been so determined and as if the works subsequently had been executed by or on behalf of the Contractor.

AND, further the Bank, through the Consultant, their agents or employees, may enter upon and take possession of the work and all plants, tools, scaffoldings, materials, sheds, machineries lying upon the premises or on the adjoining lands or roads, use the same by means of their own employees or workmen in carrying on and completing the work or by engaging any other contractor (s) or persons to complete the work, and, the Contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other contractor or persons employed for completing and finishing or using the materials and plant for the works.

When the work is completed or as soon thereafter as convenient, SBIL/ Consultant shall give a notice in writing to the Contractor to remove his surplus materials and plants. Should the Contractor fail to do so within 15 days after receipt thereof by him, SBIL shall sell the same by public auction after due publication and adjust the amount realized by such auction. The Contractor shall have no right to question any of the act of SBIL incidental to the same of the materials, etc.

5.8 VISIT TO THE SITE:

Intending tenderers are advised to visit the site and make themselves thoroughly acquainted with the local site condition, nature and requirements of the work, facilities of transport condition, availability of labor and materials, access and storage for materials and removal of debris / rubbish. The tender shall provide in the tender for cost of carriage, freight and other charges as also for any special difficulties and including local Police restrictions for transport, etc., for proper execution of work as indicated in the drawings. The successful tenderer will not be entitled to any claim or compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work, or which, in the opinion of SBIL/ Consultant, might be deemed to have reasonably been inferred as so existing before commencement of work.

5.9 TENDERS:

The entire tendering process will be conducted on an electronic platform through **M/s. Antares Systems Limited**, the Bank's authorized e-Procurement Agency. SBIL reserves the right to reject the lowest or any tender and also to discharge any or all of the tenders for each section or to split up and distribute any item of work to any firm (s) without assigning any reason. The tenderers should note that the tender is strictly on the **Percentage-rate basis** and their attention is drawn to the fact that the percentage offered will be imposed on / applicable for each & every item and is to be quoted on the basis of the Bank's approved specification, which are workable and self-supporting, considering present standard practice for such works. **If called upon by the Bank, justification of the percentage offered by the Contractor shall have to be submitted. SBIL shall not be bound to accept the said justification.**

The work will be paid for as *"measured work"* on the basis of actual work done and not as *"lump sum"* contract, unless mentioned otherwise. All items of work described in the schedule of

quantities are to be deemed and paid as complete work in all respects and details including preparatory and finishing work involved, directly related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection.

SBIL has power to add / omit from any work as shown in drawings or described in specifications or included in schedule of quantities and intimate the same in writing, but no addition, omission or variation shall be made by the Contractor without authorization from the Bank. No variation shall vitiate the contract.

☐ **Validity of Tender:**

The tender shall note that his tender shall remain valid for consideration for a period of **90 (ninety) days** from the date of opening of tender.

☐ **Important Note:**

In case the Lowest Tendered Amount of two or more contractors is same, such lowest contractors will again be asked to submit sealed / online **"Revised \pm Percentage (%) offers"** on the original estimated cost of tender, derived based on the Bank's approved rates for the items including all sub-sections / sub-heads, as the case may be. But the revised quote shall in no case be higher than the amount quoted during their initial offer for the project. If any such bidder is found to have quoted percentage (s) higher than their original percentage-rate tender (s) in the revised bid (s), their tender shall summarily be rejected. The lowest tender shall be decided on the basis of the revised offers. The process of online re-bidding amongst two or more contractors offering same rates shall continue till L-1 bidder is discovered.

In case any of such contractor (s), who have quoted same percentage-rate during initial bidding or subsequent re-bidding, refuse (s) to submit revised offer, it shall be treated as **"withdrawal of tender"** by the contractor (s) before acceptance. SBIL shall be at liberty and on absolute discretion to take any action as deemed fit against such contractors in that case without making further reference to them.

In case all the lowest contractors, who have quoted same percentage-rate (above / below / at par), refuse to participate in online revised bidding process for the project, appropriate actions as deemed fit by SBIL may be initiated against them and the tenders shall be re-invited for the project.

The contractor (s), who is / are suspended / de-barred in accordance with the above provision because of non-submission of revised offer (s), shall not be allowed to participate in the re-tendering process for the said project.

☐ **Additional Security Deposit (ASD) / Additional Performance Guarantee (APG):**

If the percentage offered above / below / at par by the successful bidder is found to be below **10%** of the estimated amount put to tender, SBIL may, at its sole discretion, advise the contractor to

submit **Additional Security Deposit / Additional Performance Guarantee** for **the differential amount between 90% of the Estimated Amount (E) put to tender and their Quoted Amount (Q), i.e., $E \times 90\% - Q = ASD / APG$** (rounded up to the nearest thousand rupees), which may be submitted in the form of either Demand Draft (DD), drawn in favour of State Bank of India and payable at Kolkata, or, Bank Guarantee, duly obtained from any nationalized bank other than State Bank of India, as per prescribed format that shall be provided at the material time.

ASD / APG shall be liable for verification, validation & sanctity and may be refunded back in case of DD, or, returned in case of BG on claim by the contractor **after the virtual completion of the works.** **SBIL shall not be liable to pay any interest against the deposited ASD / APG.** Nevertheless, ASD / APG shall be liable for forfeiture without assigning any reason whatsoever to the contractor, if any or some or all of the delinquencies under **Clause 5.59** would be imposed.

5.10 TENDER DOCUMENTS:

The work has to be carried out strictly according to the conditions stipulated in tender consisting of documents as Notice Inviting Tenders (NIT), Instructions to the Tenderers, General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Technical Specifications, Price Bid, Drawings, etc.

☐ Important Note:

★ Tender documents are not transferable.

The above documents shall be taken as complementary and mutually explanatory to one another, but in case of ambiguities or discrepancies, shall take precedence in the order given on the next page:

- ① Price Bid
- ② GCC of Contract
- ③ Instructions to Tenderers
- ④ Drawings
- ⑤ SCC of Contract
- ⑥ Technical specification.

5.11 AGREEMENT:

The successful tenderer shall execute the Agreement as per the draft agreement **(Sample – II)** within 15 days from the date of issue of formal work order and he shall pay for all stamps and legal expenses, incidental thereto. However, the written acceptance of the tender by SBIL/ Consultant

will constitute a binding contract between SBIL and the person so tendering, whether such formal agreement is subsequently executed or not.

5.12 PERMITS AND LICENSES:

Permits and licenses for release of materials, which are under Government control, shall be arranged by the Contractor on behalf of the Bank. SBIL will sign any form or application that may be necessary for the purpose. It may be clearly understood that no compensation or additional charges can be claimed by the Contractor for non-receipt of any such controlled material in due time. The Contractor will, however, be eligible to a proportionate extension of time on this account, which, in the opinion of SBIL/ Consultant, is reasonable. The Contractor shall, at his own cost, arrange for storage shed adequate for taking delivery and storing of the materials including any incidental cost for obtaining permits and licenses, etc. The costs for storing, transporting, handling, etc., are to be included by the Contractor in his quoted offer.

5.13 GOVERNMENT AND LOCAL RULES:

The Contractor shall confirm to the provisions of all local Bylaws and Act relating to the work and to the Regulations, etc., of the Government and Local Authorities (at the State / UT as the case may be) and of any entity, private individual / commercial, with whose system the premises is proposed to be connected. The Contractor shall give all notices required by the said Act, Rules, Regulations and By-laws, etc., and pay all fees payable to such authority / authorities for execution of the work involved. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses, fees for footpath encroachment and restorations, statutory clearance, etc., and shall defend all actions arising from such claims or liabilities.

5.14 COVID-19 PANDEMIC – PRECAUTIONS & MEASURES OF PREVENTION:

The Contractor shall, in addition to the above, ensure, without any extra cost, meticulous compliance of protocols laid down by the Govt. with regard to COVID-19 as well as proper sanitization of articles upon reaching at site and before handing over to the Bank. They will have to take all necessary precautions and measures of prevention from COVID-19 during the execution of job at all times without any exception involving the following –

- ↳ Wearing face masks, hand-gloves, etc., by the workers and supervisors
- ↳ Washing hands with soap and water at regular intervals
- ↳ Proper sanitization of the premises frequently during the execution of work
- ↳ Ensure cleaning of ambience before and after a day's work

Apart from the aforesaid, any additional norm as prescribed by the Govt. as well as the Bank's authorized officials from time to time in this respect shall have to be meticulously complied with.

5.15 TAXES AND DUTIES:

The tender must take note of the fact that all the rates offered in the Price Bid shall be inclusive of all duties, royalties, cess, excise, sales tax, work contract tax or any other taxes such as Income Tax deducted from contractors or local charges as applicable, etc. No extra claim on this account will in any case be entertained. However, Goods & Services Tax (GST) as per relevant GST act will be paid for production of GSTIN Registration Certificate and on claims.

5.16 WATER & ELECTRICITY:

The Contractor shall make his own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions:

- Water used by the Contractor shall be fit for construction purposes to the satisfaction of SBIL or the Consultant.
- The Contractor shall make alternative arrangements for the supply of water if the arrangement made by the Contractor for procurement of water in the opinion of SBIL or the Consultant is unsatisfactory.
- The Contractor shall construct temporary well / tube well in SBI land for taking water for construction purposes only after obtaining permission in writing from the Bank. The Contractor has to make his own arrangement for drawing and distributing the water at his own cost. He has to make necessary arrangements. To avoid any accidents or damage caused due to construction and subsequent maintenance of the wells. He has to obtain necessary approvals from local authorities, if required, at his own cost. He shall restore the ground to its original condition after wells are dismantled on completion of work or hand over the well to SBI without any compensation as directed by SBIL or the Consultant.
- The Contractor shall make his own arrangements for **power and supply / distribution system** for driving plant or machinery for the work and for lighting purposes at his own cost. The cost of running and maintenance of the plants is to be included in his tender prices. He shall pay all fees and hold the owner free from all such costs. He has to obtain necessary approval from the appropriate authorities, if required.

5.17 PROVISIONAL SUMS (P. S.):

All provisional sum described in the schedule of quantities as P.S. shall be exclusively allotted to the purchase of materials and not for any handling / fixing to be done by the Contractor, unless stated otherwise. Such costs of handling and fixing with profit (including transport charge if required) shall be separately included in the contract price as described in the schedule of quantities. The disposal of the amounts covered under this head will be absolutely at the discretion of the Bank. Contractor is to make payments for these materials to the suppliers on certificate or orders issued by SBIL/ Consultant and realize the payment from SBIL thus made through his bills for work done. However, SBIL may allot any extra job pertaining to the works as deemed fit for smooth and better completion,

which can be assessed within P.S. In those events, the contractor shall have to justify their claims against the works done.

5.18 QUANTITY OF WORK TO BE EXECUTED:

The quantities shown in the schedule of works are intended to cover the entire job indicated in the drawing, but SBIL reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefor. If at any time after the commencement of the work, SBIL/ Consultant shall, for any reason whatsoever, not require the whole work thereof as specified in the tender to be carried out the Consultant / Bank shall give notice in writing of the fact to the Contractor who shall have no claim to any payment as compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been carried out; neither shall he have any claim for compensation by reason of any alterations having been made in the original specification, drawing, designs and instructions which shall involve any curtailment of the work as originally contemplated.

☐ Other Persons Engaged by the Bank:

SBIL reserves the right to execute any part of the work included in this contract or any work which is not included in this contract by another Agency or people and the Contractor shall allow all reasonable facilities and use of any scaffolding etc. for the execution of such work. All the agencies employed by SBIL on the work shall act in close co-ordination and extend mutual assistance to enable completion of the work satisfactorily.

5.19 EMD AND SECURITY DEPOSIT / RETENTION MONEY:

The intending tenderers will have to upload the scanned copy of **the Demand Draft (DD) as Earnest Money Deposit (EMD) for the amount of 15,09,000/- (Rupees Fifteen Lakh Nine thousand only), calculated @ 1% of the Estimated Amount, rounded up to nearest thousand rupees, to be drawn in favour of State Bank of India and payable at Kolkata.** EMD of unsuccessful bidders will be returned after opening of Online Price Bid on written claim.

The successful tenderer, to whom the contract is awarded, shall have to deposit **an amount @ 2% of the Accepted Contract Price (Work Order Value), rounded up to the nearest thousand rupees, as Initial Security Deposit (ISD)**, which may be submitted in the form of Demand Draft (DD), valid for a period of 90 days from the date of issue of work order to the successful tenderer, drawn in favour of State Bank of India, payable at Kolkata. EMD will be returned to the successful bidder on receipt of ISD. The Initial Security Deposit will have to be made within 14 days from the date of acceptance of tender, failing which, the Bank, at its discretion, may revoke the Letter of Intent / Acceptance and take any action as deemed fit against the contractor without making further reference.

Apart from the ISD as above, **Performance Security Amount, i.e., Total Security Deposit (TSD) in the form of Retention Money (RM)** shall be deducted from progressive running bills @ 10% of the

gross value of work done by the Contractor and claimed in each bill, provided, **the Total Security Deposit (TSD) shall not exceed 5% of the Accepted Contract Price (Work Order Value)**. The retention money will not be deducted if adequate Bank Guarantee from a Nationalized Bank other than SBI is submitted by the contractor. An amount @ 50% of the TSD will be refunded to the contractor, subject to the issue of virtual completion certificate by SBIL/ Consultant and contractor removing his materials, equipment, labor force, temporary shed / stores, etc., from the site. The balance 50% will be refunded to the contractor 30 (Thirty) days after the expiry of **Defect Liability Period (DLP), i.e., 36 months from the date of completion of work**, provided he has satisfactorily carried out all the works, submitted all documents contractually called for and attended to all defects during DLP in accordance with the conditions of contract. ***SBIL is not liable to pay any interest on the Performance Security Amount / Retention Money.***

Further, if some dues to SBIL from the Contractor (s) have still to be recovered, SBIL reserves the right to withhold payment of so much of the Performance Security as in his opinion, represents the cost of the same.

5.20 CONTRACTOR TO PROVIDE EVERYTHING NECESSARY:

The Contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawing, schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred therefrom and if the Contractor finds any discrepancies therein he shall immediately and in writing refer the same to SBIL/ Consultant whose decision shall be final and binding. The Contractor shall provide himself for ground and fresh water for carrying out the work at his own cost. SBIL shall on no account be responsible for the expenses incurred by the Contractor for hired ground or fresh water obtained from elsewhere. The rates against individual items will be inclusive of everything necessary to complete the said items of work within the contemplation of the contract, and beyond the unit price no extra payment will be allowed for incidental or contingent work, labor and / or materials inclusive of all taxes and duties whatsoever except for specific items, if any stipulated in the tender documents. The Contractor shall supply, fix and maintain at his own cost for the execution of any work, all tools, tackles, machineries and equipment's and all the necessary centering, scaffolding, staging, planking, timbering, strutting, shoring, pumping, fencing, boarding, watching and lighting by night as well as by day required not only for the proper execution and protection of the said work but also for the protection of the public and safety of any adjacent roads, streets, walls, houses, buildings, all other erections, matters and things and the Contractor shall take down and remove any or all such centering, scaffolding planking, timbering, strutting, shoring, etc., on occasions as required or when ordered so to do and shall fully reinstate and make good all matters and things disturbed during the execution of work to the satisfaction of SBIL/ Consultant. The Contractor, if required, shall also provide such road on site as may be necessary for the proper performance of the contract and for his own convenience but not otherwise. Upon completion, such road shall be broken up and levelled where required unless SBIL shall otherwise direct. The Contractor shall at all times give access to workers employed by SBIL or any men employed on the building and to provide such parties with proper, sufficient and if required, special

scaffolding, hoists and ladders and provide them with water and lighting and leave or make any holes, grooves, etc., in any work, where directed by SBIL/ Consultant as may be required to enable such workman to lay or fix pipes, Air-conditioning wiring, special fittings, etc. The quoted Item-rates of the tenderers shall accordingly include all these above-mentioned contingent works.

5.21 TIME OF COMPLETION / EXTENSION OF TIME AND PROGRESS CHARTS:

☐ Time of Completion:

The entire work is to be completed in all respects within the stipulated period of **60 (sixty) days (including Sundays and Holidays)** from the Date of Issue of the Work Order or the Site Handover Date, whichever is earlier. The work shall be deemed to be commenced within 7 (seven) days from the issue of formal work order or the date on which the Contractor is instructed to take possession of the site, whichever is later. Time is the essence of the contract and shall be strictly observed by the Contractor. The work shall not be considered as complete until SBIL/ Consultant have certified in writing that this has been completed and the Defects Liability Period shall commence from the date of such certificate.

☐ Extension of Time:

If, in the opinion of SBIL/ Consultant, the work be delayed for –

- ↳ delayed handing over of site
- ↳ by reason of any exceptionally inclement weather
- ↳ by reason of instructions from SBIL/ Consultant in consequence of proceedings taken or threatened by or disputes, with adjoining or neighboring owners
- ↳ by the work, or delay of other Contractors or tradesmen engaged or nominated by SBIL/ Consultant and not referred to in the specification
- ↳ by reason of authorized extra and additions
- ↳ by reason of any combination of workman or strikes or lockout affecting any of the building trades
- ↳ from other causes which SBIL/ Consultant may consider are beyond the control of the Contractor,

THEN, SBIL/ Consultant, at the completion of the time allowed for the contract, shall make fair and reasonable extension of time **(Proforma – IX)** for completion in respect therefor. In case of such strikes or lockouts, as are referred to above, the Contractor shall immediately give SBIL/ Consultant written notice thereof **(Proforma – VII)**. Nevertheless, the Contractor shall use his best endeavors to prevent delays and shall do all that as may be reasonably required, to the satisfaction of SBIL/ Consultant to proceed with the work and on his so doing it will be ground of consideration by SBIL/

Consultant for an extension of time as above provided. The decision of SBIL as to the period to be allowed for an extension of time for completion hereunder shall be promulgated at the conclusion of such strike or lock-out and SBIL shall then, in the event of extension being granted, determine and declare the final completion date, which decision shall be final and binding on the Contractor. The provision in **Clause 5.22** with respect to payment of liquidated damages shall, in such case, be read and construed as if the extended date fixed by SBIL/ Consultant were substituted for and the damage shall be deducted accordingly.

❑ Progress of work / work program:

During the period of construction, the Contractor shall maintain proportionate progress on the basis of a program chart submitted by the Contractor immediately before commencement of work and agreed to by SBIL/ Consultant. Contractor should also include planning for procurement of scarce material well in advance and reflect the same in the program chart so that there is no delay in completion of the project.

5.22 LIQUIDATED DAMAGES (LD CLAUSE):

Should the work be not completed to the satisfaction of SBIL/ Consultant within the stipulated period, the Contractor shall be bound to pay to SBIL **a sum calculated @ 0.5% of the Accepted Contract Price (Work Order Value) per week of delay, subject to a maximum of 5% of the Accepted Contract Price (Work Order Value) by way of Liquidated Damages** and not as penalty during which the work remains uncompleted or unfinished after the expiry of the completion date.

❑ Addendum to Liquidated Damages Clause:

The parties hereby agree that due to negligence of act of the Contractor, if the employer suffers losses, damages, the quantification of which may be difficult, and hence the amount specified hereunder shall be construed as reasonable estimate of the damages and the Contractor agree to pay such liquidated damages, as defined hereunder as per the provisions of this Contract. The amount against liquidated damages under this Contract shall not exceed 5% of the total value of the contract. The liquidated damages shall be applicable under following circumstances:

- If the deliverables are not submitted as per schedule and time, the Contractor shall be liable to pay 1% of the total cost of the services for delay of each week or part thereof.
- If the deliveries are not acceptable to the Employer, and defects are not rectified to the satisfaction of the Employer within 30 days of receipt of the notice, the Contractor shall be liable for Liquidated Damages for an amount equal to 0.5% of total cost of the services for every week or part thereof for the delay.

Any delay beyond this, SBIL shall be free to terminate the contract and get the work done from an alternate source at the risk of the Contractor, besides invoking Bid Security Declaration. The decision of SBIL as to the period of delay on the part of the Contractor and the quantum of compensation for such delay shall be final and binding on the Contractor. If the Contractor is unavoidably hindered in

carrying out the work on account of delayed decision or the approval by the Bank, which are necessary to carry out further work, he shall be allowed suitable extension of time by concerned authority of the Project, whose decision shall be final and binding on the Contractor. No claim of the Contractor shall be entertained against SBIL for such delayed approvals / decisions by the Govt. Authorities, excepting suitable extension of time.

5.23 ACTION WHEN WHOLE OF SECURITY DEPOSIT IS FORFEITED:

In any case, in which under any clause or clauses of this contract, the Contractor shall have rendered himself liable to pay liquidated damages amounting to the whole of his security deposit (whether paid in one sum or deducted by installments), SBIL/ Consultant shall have power to adopt any of the following courses as they may deem best suited to the interest of the Bank:

- To rescind the contract (of which rescission notice in writing to the Contractor under hand of SBIL shall be conclusive evidence) and in which case the security deposit of the Contractor shall stand forfeited and be absolutely at the disposal of the Bank.
- To employ labor paid by SBIL and supply materials to carry out the work, or any part of the work, debiting the Contractor with the cost of the labor and price of material (of the amount of which cost and price of a certificate of the Consultant shall be final and conclusive against the Contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same rates as if had been carried out by the Contractor under the terms of this contract. The certificate of the Consultant as to the value of the work done shall be final and conclusive against the Contractor.
- To measure up the work of the Contractor, and to take such part thereof as shall be unexecuted, out of his hands, and to give it to another Contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor, if the whole work had been executed by him (of the amount of which excess the certificates in writing of the Consultants shall be final and conclusive) shall be binding and paid by the original Contractor and may be deducted from any money due to him by SBIL under the contract or otherwise or from his security deposit or the proceeds of sale thereof, or a sufficient part thereof.

In the event of any the above courses being adopted by the Bank, the Contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or make any advances on account of or with a view to the execution of this work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the Contractor shall not be entitled to recover or be paid any sum for any work thereto actually performed under this contract, unless and until SBIL will have certified in writing the performance of such work and the value payable in respect thereof, and he shall only be entitled to be paid the value so certified.

5.24 TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS:

The Contractor shall provide, fix up and maintain proper office accommodation at an approved position for the Contractor's representatives and staff, which offices shall be open at all reasonable hours to receive instruction notices or communications and clear away on completion of the work and make good all work disturbed. All drawings maintained at the site are to be carefully mounted on boards of appropriate size. They are to be protected from ravages of termites, ants and other insects. The Contractor, if called for, shall provide at his own cost all artificial light required for work and to enable other contractors and sub-contractors to complete the work within the specified time. The Contractor, if called for, shall provide a suitable temporary hut for the watchmen and clear away the same when no longer required and to provide all necessary attendance, lights, etc., required. The Contractor, if called for, shall arrange for temporary latrines for the use of workers and field staff and keep the same in a clean and sanitary condition to the satisfaction of the Public Health Authorities and shall cause such latrines and soil to be cleared away whenever necessary and shall make good all the work disturbed by these conveniences.

Every precaution shall be taken by the Contractor to prevent the breeding of mosquitoes on the work during the construction and all receptacles, cisterns, water tanks, etc., used for storage of water must be suitably protected against, breeding of mosquitoes.

The Contractor shall indemnify SBIL against any breach of rules in respect of anti-malarial measures. The Contractor shall not fix or place any placards or advertisement of any description or permit the same to be fixed or placed in or upon any boarding gantry, building structure other than those approved by the Bank.

☐ Protective Measures:

The Contractor from the time of being placed in possession of the site must make suitable arrangements for watching, lighting and protecting the work, the site and surrounding property by day, by night, on Sunday and other holidays. The Contractor shall indemnify SBIL against any possible damage to the building, roads or member of the public in courses of execution of the work. The Contractor shall provide necessary temporary enclosures, gates, entrances, etc., for the protection of the work and materials and for altering and adopting the same as may be required and removing on completion of the work and making good all work disturbed.

☐ Storage of Materials:

The Contractor shall provide and maintain proper sheds for the proper storage **(Proforma – VIII)** and adequate protection of the materials etc. and other work that may be executed on the site including the tools and materials of sub-contractors and remove the same on completion. Sheds for storage of cement are to have pucca floor raised above the ground. Cement godown shall be constructed for storing about six weeks requirements of cement and stored as per norms with a stack of 10 bags each, 2 ft. opening all around with 2 ft. passage between each stack. Structure shall be waterproof from all the sides and top. Cement should be stored one ft. above the ground level and have pucca raised floor. So also, reinforcement bars are to be stored above the ground level to prevent the same from getting rusted.

☐ Tools:

All tools, equipment and instruments as instructed by SBIL/ Consultant and considered necessary for the work shall be provided by the Contractor for the due performance of this contract. All measuring tapes shall be of steel and suitable scaffolding and ladders that may be required for safely taking measurement shall be supplied by the Contractor. The workmen and the supervisors on the work shall carry with them always a steel tape, a spirit level, a plumb bob and a square and shall check the work to see that the same is being done according to the drawing and specifications. The site Engineer will use any or all measuring instruments or tools belonging to the Contractor as he chooses for checking the work executed or being executed on the contract. The Contractor should cover in his rates for making provisions for all reasonable facilities for the use of his scaffolding, tools and plant, etc., by sub-contractors for their work.

5.25 NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS:

The Contractor shall conform to the provisions of any Acts of the Legislature relating to the work and to the Regulations and Bylaws of any authorities, and / or any water, lighting and other companies, and / or authorities with whose system the structures were proposed to have connection and shall before making any variations from the drawings or specification that may be associated to so conform, give SBIL/ Consultant written notices specifying the variations proposed to be made and the reasons for making them and apply for instruction thereon. SBIL/ Consultant on receipt of such intimation shall give a decision within a reasonable time. The Contractor shall arrange to give all notices required for by the said Acts. Regulations or Bylaws to be given to any authority and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the work and lodge receipts with the Bank. The Contractor shall indemnify SBIL against all claims in respect of patent right, royalties, damages to buildings, roads or members of public in course of execution of work and shall defend all action arising from such claims and shall keep SBIL saved harmless and indemnified in all respects from such actions, costs and expenses.

5.26 SAFETY MEASURES AT SITE, CLEARING AND SETTING OUT WORKS:

The site shown on the plan shall be cleared of all obstruction, trees, bushes, shrubs, loose stone and rubbish materials of all kinds. All holes or hollows whether original, existing or produced by removal of loose stone or materials shall be carefully filled up with earth well rammed and levelled off as directed at his own cost. The Contractor shall set out the work and shall be responsible for the true and perfect setting out of the work and for the correctness of the position, levels, dimensions and alignment of all parts thereof. If at any time, any error shall appear during the progress of any part of the work, the Contractor shall at his own expenses rectify such error, if called upon to the satisfaction of SBIL/ Consultant.

The Contractor shall further set out the work to the alternative positions at the site until one is finally approved and the Item-rate quoted in his tender should include for this and no extra on this account will be entertained.

- **Safety Measures at Site:**

- First aid appliances, including adequate supply of sterilized dressing and cotton wool shall be kept in a readily accessible place.
- An injured person shall be taken to a public hospital without loss of time, in cases when the injury necessitates hospitalization.
- Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from the ground.
- No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm. (clear) and the distance between two adjacent running shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding ladder.
- The excavated material shall not be placed within 1.5 meters of the edge of the trench half of the depth of trench, whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
- Every opening on the floor of a building or on a working platform is provided with suitable means to prevent the fall of people or materials by providing suitable fencing or railing whose minimum height shall be one meter.
- No floor, roof or other part of the structure shall be so overloaded with debris or material as to render it unsafe.
- Workers employed on mixing and handling material such as asphalt, cement, mortar, concrete and lime shall be provided with protective footwear and rubber hand gloves.
- Those engaged in welding works shall be provided with welders' protective eye shields and gloves.
- No paint containing lead or lead products shall be used except in the form of paste readymade paint.
- Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
- Overalls shall be supplied by the contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during cessation of work.
- Hoisting machines and tackle used in the works including their attachments anchor and supports shall be in perfect condition.
- The ropes used in hoisting or lowering material or as a means of suspension shall be durable quality and adequate strength and free from defects.

- **Safety Warnings at Site:**

The Contractor shall have to arrange necessary flex signages depicting statutory warnings viz. “RESTRICTED AREA: WORK IN PROGRESS”, “MEN AT WORK”, etc.

5.27 DATUM:

The average ground level will be considered as the crown of the nearest road, which should be taken as “Datum” which is however, subject to final confirmation by SBIL/ Consultant. All levels shown in the drawings are to be strictly adhered to.

5.28 BENCHES:

The Contractor is to construct and maintain proper benches of all the main walls, in order that the lines and levels may be accurately checked at all times. These benches will consist of timber posts of adequate length and minimum diameter 75 mm to be driven in the ground at suitable distance as directed encased with brick work. The wire nails will be driven on the top of timber posts on the center lines of columns, walls, inside and outside face of foundation trenches. Centre line of walls, columns, etc., may be clearly indicated and checked at any time if it is so required.

5.29 CONTRACTOR TO IMMEDIATELY REMOVE ALL OFFENSIVE MATTERS:

All soil, filth or other matters of any offensive nature taken out of any trench, sewer, drain, cesspool or other place shall not be deposited on the surface but shall be once be carted away by the Contractor to a safe place as per rules of the appropriate authorities. The Contractor shall keep the foundation and work free from water and shall provide and maintain at his own expenses electrically or other power-driven pumps and other plant to the satisfaction of SBIL for the purpose, until the building is handed over to the Bank.

The Contractor shall arrange for the disposal of the water so accumulated to the satisfaction of SBIL and the local authority and no claims will be entertained afterwards if he does not include in his rates for the purpose.

5.30 ACCESS:

Any authorized representative of SBIL/ Consultant shall at all reasonable times have free access to the work and / or to the workshops, factories or other places where materials are being prepared or constructed for the work and also to any place where the materials are lying or from where they are being obtained, and the Contractor shall give every facility to SBIL or their representatives necessary for inspection and examination and test of the materials and workmanship. Except for the representatives of SBIL and Consultant no person shall be allowed at any time without the written permission of the Bank.

5.31 MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS:

All the work specified and provided for in the specification or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workman like manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars and instructions as may from time to time be given by SBIL/ Consultant during the execution of the work, and to his entire satisfaction. If required by SBIL/ Consultant, the Contractor shall have to carry out tests on materials and workmanship in approved materials testing laboratories or as prescribed by Bank / Consultant at his own cost to prove that the materials etc. under test conform to the relevant I.S. standards or as specified in the specification. No extra payment on this account should be made in any case. A list of Mandatory Tests is given in Technical Specification which is only indicative and not exhaustive. Any other tests, special or routine, on any material or workmanship, advised to be done by SBIL/ Consultant for any reason shall be done by the Contractor for which no additional payment will be made. All the materials, stores & equipment's required for full performance of the work under the contract must be provided through normal channels and must include charge for sales tax, import duties and other charges as applicable and must be best of their kind available and the Contractor must be entirely responsible for the proper and efficient carrying out of the work. The work must be done in the best workmanship manner. Samples of all materials to be used shall be submitted to SBIL/ Consultant and written approval from SBIL/ Consultant shall be obtained prior to placement of order. A list of materials of approved make and brand is annexed. Materials mentioned in the said list shall be used. In case materials specified in the list are not available the Contractor/s may use the equivalent product with prior permission from SBIL/ Consultant. As regards equivalent product / material the opinion of SBIL/ Consultant shall be final and binding on the Contractor. During the inclement weather conditions, the Contractor shall suspend concreting and plastering for such time as SBIL/ Consultant may direct and shall protect from injury all work during its course of execution. Any damage (during construction) to any part of the work for any reasons due to rain, storm or neglect of Contractor, shall be rectified by the Contractor in an approved manner at no extra cost. Should the work be suspended by reason of rain, strike, lockouts or any other cause, the Contractor shall take all precaution necessary for the protection of work and at his own expenses shall make good any damage arising from any of these causes. The Contractor shall cover up and protect from damage, from any cause, all new work and supply all temporary doors, protection to windows, and any other requisite protection for the execution of the work whether by himself or special tradesman or sub-contractor and any damage caused must be made good by the Contractor at his own expenses.

5.32 REMOVAL OF IMPROPER WORK:

SBIL/ Consultant shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of SBIL/ Consultant are not in accordance with specification or instruction, the substitutions or proper re-execution of any work executed with materials or workmanship not in accordance with the drawings and specifications or instruction. In case the Contractor refuses to comply with the order Bank / Consultant shall have the power to

employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Consultant shall be borne by the Contractor or may be deducted from any money due to or that may become due to the Contractor. No certificate which may be given by the Consultant shall relieve the Contractor from his liability in respect of unsound work or bad materials.

5.33 SITE ENGINEER / PROJECT MANAGEMENT CONSULTANT (P. M. C.):

The term "Site Engineer" shall mean the person if, any, appointed and paid by SBIL to superintend the work. The Contractor shall afford the Site Engineer every facility and assistance for examining the work and materials and for checking and measuring work and materials. The Site Engineer shall have no power to revoke, alter, enlarge or relax any requirements of the Contract or to sanction any day work, additions, alterations, deviations or omission or any extra work whatever, except in so far as such authority may be specially conferred by a written order of SBIL/ Consultant. The Site Engineer shall have power to give notice to the Contractor or to his foreman, of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of SBIL/ Consultant is obtained. The work will from time to time be examined by the Consultant / Bank or his authorized representative and the Site Engineer. But such examination shall not in any way exonerate the Contractor from the obligation to remedy any defects, which may be found to exist at any stage of work or after the same is complete. Subject to the limitations of this clause the Contractor shall take instructions only from the Consultant / Bank.

5.34 OFFICE ACCOMMODATION FOR THE SITE ENGINEER / P.M.C.:

The Contractor shall provide erect and maintain at his cost a separate simple watertight office accommodation for the Site Engineer / PMC in case it is not already available at site. This accommodation should be well lit and provided with windows, and a door with a lock. The Site Engineer's / PMC's office shall be minimum of 14.0 sqm (\approx 150 Sq. Ft.) and the Contractor shall provide a desk, chair, drawers for keeping drawings, a cupboard having proper lock and backboard for displaying drawings and lights and fans. The accommodation shall be demolished when directed.

5.35 CONTRACTOR'S EMPLOYEES:

The Contractor shall employ technically qualified and competent supervisors for the work who shall be available (by turn) throughout the working hours to receive and comply with instruction of SBIL/ Consultant. The Contractor shall engage at least one experienced technical representative as Site-in-Charge for execution of the work. The Contractor shall employ in connection with the work persons having the appropriate skill or ability to perform their job efficiently. The Contractor may employ local laborers on the work as far possible. Any laborer supplied by the Contractor to be

engaged on the work on day-work basis either wholly or partly under the direct order or control of SBIL or his representative shall be deemed to be employed by the Contractor. The Contractor shall comply with the provisions of all labour legislation including the requirements of the following –

- ❖ Payment of Wages Act, 1936
- ❖ **New Labour Codes 2025**
- ❖ Bank's Liability Act
- ❖ Workmen Compensation Act, 1923
- ❖ Contract Labor (Regulation and Abolition) Act, 1970 and Central Rules 1971
- ❖ Apprentices Act, 1961
- ❖ Any other Act or enactment relating thereto, and rules framed there under from time to time.

The Contractor shall keep SBIL saved, harmless and indemnified against claims of any of the workmen and all costs and expenses as may be incurred by SBIL in connection with any claim that may be made by any workman are recoverable from the Contractor. The Contractor shall comply at his cost with order of requirement of any Health Officer of the State or any local authority or of SBIL regarding the maintenance of proper environmental sanitation of the area where the Contractor's laborers are housed or accommodated, for the prevention of small-pox, cholera, plague, typhoid, malaria and other contagious diseases. The Contractor shall provide, maintain and keep in good sanitary condition adequate sanitary accommodation and provide facilities for pure drinking water at all times for the use of men engaged on the work and shall remove and clear away the same on completion of work. Adequate precaution shall be taken by the Contractor or prevent nuisance of any kind on the work or on the lands adjoining the same. The Contractor shall arrange to provide first aid treatment to the laborers engaged on the work. He shall within 24 hours of occurrence of any accident at or about the site or in connection with execution of work, report such accident to SBIL and also to the competent authority where such report is required by law.

In case of accidents depending on the seriousness of injury etc. in addition to the hospitalization / Treatment charges and Group insurance amount, compensation shall be paid by the Contractor to the affected person (s), his / their family members in presence of Engineer-in-Charge as per Workmen Compensation Act. The Contractor shall take appropriate insurance policy for the effective implementation of the above penalty provision.

★ No person (s) below the age of 16 (sixteen) years and a non-Indian national shall be employed on the work.

5.36 DISMISSAL OF WORKMEN:

The Contractor shall, on the request of SBIL/ Consultant, immediately dismiss from work any person employed thereon by him, who may, in the opinion of SBIL/ Consultant, be unsuitable or incompetent or who may misconduct himself. Such discharge shall not be the basis of any claim for compensation or damages against SBIL/ Consultant or any of their officer / employee.

5.37 ASSIGNMENT:

The whole of the work included in the contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or underlet or any part, share or interest therein nor, shall take a new partner, without written consent of SBIL and no subletting shall relieve the Contractor from the full and entire responsibility of the contract or from active superintendence of the work during their progress.

5.38 NOMINATED SUB-CONTRACTOR:

All specialists, Merchants, Tradesmen and others executing any work or supplying and fixing any goods for which prime cost prices or provisional sums are included in the Schedule of Quantities / Rates and / or specification who may be nominated or selected by the Consultant / Bank are hereby declared to be sub-contractors employed by the Contractor and are herein referred to as nominated sub-contractors. No nominated sub-contractor shall be employed on or in connection with the work against which Contractor shall make reasonable objection or save where SBIL and Consultant shall otherwise agree who will not enter into a contract provided that –

- The nominated sub-contractor shall indemnify the Contractor against the same obligation in respect of the sub-contract as the Contractor is under in respect of this contract.
- The nominated sub-contractor shall indemnify the Contractor against claims in respect of any negligence by the sub-contractor, his servants or agents or any misuse by him or them of any scaffolding or other plants and property of the Contractor or under any Workman's Compensation Act in force.
- Payment shall be made to the nominated sub-contractor within 14 days of his receipt of the Consultant's certificate provided that before any certificate is issued the Contractor shall upon request furnish to the Consultant proof that all nominated sub-contractors accounts included in previous certification have been duly discharged, in default thereof SBIL may pay the same upon a certificate of the Consultant and deduct the amount thereof from any sums due to the Contractor. The exercise of those powers shall not create probity of contract between SBIL and the Sub-Contractor.

5.39 DAMAGE TO PERSONS AND PROPERTY:

The Contractor shall be responsible for all injury to the work or workmen, to persons, animal or things and for all damages to the structural and / or decorative part of property which may arise from the operations or neglect of himself or of any sub-contractor or of any of his or a sub-contractor's employees, whether such injury or damage arise from carelessness, accident or any of

his or a sub-contractor's employees, or any other cause whatsoever in any way connected with the carrying out of this contract. The clause shall be held to include, inter-alia, any damage to buildings whether immediately adjacent or otherwise and any damage to roads, streets, footpaths or ways as well as damage caused to the buildings and the work forming the subject of this contract by rain, wind or other inclemency of the weather. The Contractor shall indemnify SBIL and hold harmless in respect of all and any expenses arising from any such injury or damages to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim. The Contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contract work complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third parties.

5.40 INSURANCE:

5.40.1 Obligation:

Without limiting his obligations and responsibilities under the contract, the Contractor shall insure **(Proforma – VI)** in the joint names of the State Bank of India and the Contractor against all loss of damages from whatever cause arising other than the excepted risk, for which he is responsible under the terms of contract and in such a manner that the State Bank of India and Contractor are covered for the period stipulated under **Clause 5.21 of GCC** and are also covered during the period of maintenance for loss or damage arising from a cause, occurring prior to the commencement of the period of maintenance and for any loss or damage occasioned by the contract in the course of any operations carried out by him for the purpose of complying with his obligations under clause –

- The works for the time being executed to the estimated current Contract value thereof, or such additional sum as may be specified together with the materials for incorporation in the work at their replacement value.
- The constructional plant and other things brought on to the site by the Contractor to the replacement value of such constructional plant and other things.
- Such insurance shall be in effect with an insurer and in terms approve by the State bank of India which approval shall not be unreasonably withheld, and the Contractor shall, whenever required, produce to the Architect / Consultant the policy of insurance and receipts for payment of the current premiums.

5.40.2 Damage to persons & property:

The Contractor shall, except if and so far as the contract provides otherwise, indemnify SBIL against all losses and claims in respect of injuries or damages to any person or material or physical damage to any property whatsoever which may arise out of or in consequence of the execution and maintenance of the works and against all claims proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto except any compensation of damages for or with respect to the following –

- ◆ The permanent use of occupation of land by or any part thereof
- ◆ The rights of SBIL execute the works or any part thereof on, over, under, in or through any lands
- ◆ Injuries or damages to persons or property which are unavoidable result of the execution or maintenance of the works in accordance with the contract
- ◆ Injuries or damage to persons or property resulting from any act or neglect of SBIL their agents, employees or other Contractors not being employed by the Contractor or for or in respect of any claims, proceedings, damages, costs, charges and expenses in respect thereof or in relation thereto or where the injury or damage was contributed to by the Contractor, his servants or agents such part of the compensation as may be just and equitable having regard to the extent of the responsibility of the State Bank of India, their employees, or agents or other Contractors for the damage or injury.

5.40.3 INDEMNITY CLAUSE – Contractor to Indemnify State Bank of India:

The Contractor shall indemnify the STATE BANK OF INDIA against all claims, proceedings, damages, costs, charges and expenses in respect of the matters referred to in the provision **Clause 5.38.**

5.40.4 Contractor's Superintendence:

The Contractor shall fully indemnify and keep indemnified the State Bank of India against any action, claim, or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable which may be payable in respect of any article or part thereof included in the contract.

In the event of any claim made under or action brought against STATE BANK OF INDIA in respect of such matters as aforesaid the Contractor shall be immediately notified thereof and the Contractor shall be liberty, at his own expenses to settle any dispute or to conduct any litigation that may arise there from, provided that the Contractor shall not be liable to indemnify the STATE BANK OF INDIA if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Consultant in this behalf.

5.40.5 Third-party Insurance:

5.40.5.1 Obligation:

Before commencing the execution of the work the Contractor but without limiting his obligations and responsibilities under **Clause 5.25 of GCC** shall insure against his liability for any material or physical damage, loss or injury which may occur to any property including that of STATE BANK OF INDIA, or to any person, including any employee of the STATE BANK OF INDIA, arising out of the execution of the works or in the carrying out of the contract, otherwise than due to the matters referred to in the provision to **Clause 5.38** thereof.

5.40.5.2 Minimum Amount of Third-party Insurance:

Such insurance shall be effective with an insurer and in terms approved by the State Bank of India which approval shall not be reasonably withheld and for at least the amount stated below. The Contractor shall, whenever, produce to the Architect / Consultant the policy or policies of insurance cover and receipts for payment of the current premiums.

5.40.6 Minimum Insurance Cover:

The minimum insurance cover for physical property, injury, and death is **Rs.5.00 Lakh** per occurrence with the number of occurrences limited to four. After each occurrence Contractor will pay premium to make insurance valid for four occurrences always.

5.40.7 Accident or Injury to Workmen:**5.40.7.1 Obligation:**

SBIL shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the Contractor or any sub-contractor, save and except an accident or injury resulting from any act or default of the State Bank of India or their agents, or employees. The Contractor shall indemnify and keep indemnify State Bank of India against all such damages and compensation, save and except as aforesaid, and against **STATE BANK OF INDIA** claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

5.40.7.2 Insurance against accidents, etc., to Workmen:

The Contractor shall insure against such liability with an insurer approved by SBIL during the whole of the time that any persons are employed by him on the works and shall, when required, produce to the Consultant such policy of insurance and receipt for payment of the current premium. Provided always that, in respect of any persons employed by any sub-contractor, the Contractor's obligation to insure as aforesaid under this sub-clause shall be satisfied if the sub-contractor shall have insured against the liability in respect of such person in such manner that State Bank of India is indemnified under the policy but the Contractor shall require such sub-contractor to produce to the Consultant when such policy of insurance and the receipt for the payment of the current premium.

5.40.7.3 Remedy on Contractor's failure to Insure:

If the Contractor fails to effect and keep in force the insurance referred to above or any other insurance which he may be required to effect the terms of contract, then and in any such case SBIL may effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the State Bank of India as aforesaid from any amount due or which may become due to the Contractor, or recover the

same as debt from the Contractor. In addition, an amount of penalty of **Rs.1.00 Lakh** will be imposed and to be recovered from the proceedings of any bill due to be paid to the Contractor.

5.40.7.4 Obligation:

Without prejudice to others' rights of the State Bank of India against Contractors. In respect of such default, the employer shall be entitled to deduct from any sum payable to the Contractor the amount of any damages, costs, charges, and other expenses paid by the State Bank of India and which are payable by the Contractors under this sub-clause. The Contractor shall upon settlement by the Insurer of any claim made against the insurer pursuant to a policy taken under this clause, proceed with due diligence to rebuild or repair the works destroyed or damaged. In this event all the monies received from the Insurer in respect of such damage shall be paid to the Contractor and the Contractor shall not be entitled to any further payment in respect of the expenditure incurred for rebuilding or repairing of the materials or goods destroyed or damaged.

5.41 ACCOUNT RECEIPTS AND VOUCHERS:

The Contractor shall, upon the request of SBIL/ Consultant, furnish with all invoices, accounts, receipts and other vouchers that they may require in connection with the work under this contract. If the Contractor uses materials less than what he is required for under the contract, the value of the difference in the quantity of the materials he was required to use and that he actually used shall be deducted from his dues. The decision of SBIL shall be final and binding on the Contractor as to the quantum of materials the Contractor is required to use for any work under this contract.

5.42 MEASUREMENT OF WORK:

The Contractor will record and submit to the Project Management Consultant / Site Engineer / Consultant / Bank with the details of measurements for their scrutiny and signature. The Contractor should submit the bill with such endorsement of PMC / Site Engineer / Consultant / Bank. On receipt of the bill, the Consultant shall intimate the Contractor that he requires the work to be measured, and the Contractor shall forthwith attend or send a qualified agent to assist the Consultant or the Consultant's representative in taking such measurements and calculations and to furnish all particulars or to give all assistance required by them. The Contractor or his Agents may at the time of measurements take such notes and measurements as he may require. All authorized extra work, omissions and all variations made without the Consultants knowledge, if subsequently sanctioned by him in writing, with the approval of SBIL shall be included in such measurements. The final measurement should be made within one month from the date of completion of work jointly by the Consultant and / or his representative, and, if the Contractor fails to comply, the measurements taken by the Consultant will be final and binding.

5.43 METHOD OF MEASUREMENT:

Unless otherwise mentioned elsewhere in the tender, measurement will be on the net quantities of work produced in accordance with up-to-date rules laid down by the Bureau of Indian Standards. In

the event of any dispute with regard to the measurement of the work carried out, the decision of SBIL/ Consultant shall be final and binding on the Contractor.

5.44 ACTION WHERE NO SPECIFICATION:

In the case of any of work for which there is no such specification in Technical Specification such work shall be carried out in accordance with the I.S. Specification and in the event of there being no IS Specification, then in such case the work shall be carried out in all respects in accordance with the instructions and requirements of SBIL/ Consultant.

5.45 CONTRACTOR NOT TO DEPOSIT MATERIALS IN A MANNER THAT MAY CAUSE INCONVENIENCE TO THE PUBLIC:

The Contractor (s) shall not deposit materials locations, which will cause inconvenience to the public. The Consultant may require the Contractor to remove any materials which are considered by him to be a danger or inconvenient to the public and cause them to be removed at the Contractor's cost.

5.46 PAYMENTS:

All bills shall be prepared by the Contractor in the form prescribed by SBIL/ Consultant **(Proforma – I)**. Normally, one interim bill shall be prepared each month subject to minimum value for interim certificate as stated in these documents. The interim bill in proper forms must be duly accompanied by detailed measurements, duly endorsed by the Site Engineer / PMC in support of quantities of work done and must show deduction for all previous payments, retention money, etc. Advance / ad-hoc payments for work will not be normally made. However, ad-hoc payments may be made at the discretion of SBIL/ Consultant in case of exigency. SBIL/ Consultant shall issue certificate **(Proforma – III, IV & V)** after due scrutiny of the Contractor's bill stating the amount due to the Contractor from SBIL and the Contractor shall be entitled to payment thereof, by SBIL within the period of "*honoring certificates*" mentioned in these documents.

The amount stated in an interim certificate shall be the total value of work properly executed and approximately 75% of invoiced value of material brought to site for permanent incorporation into the work up to the date of the bill less the amount to be retained by SBIL as the retention money and less installments previously paid under these conditions.

The materials to be considered for secured advance **(Proforma – II)** shall be non-perishable in nature and only include the value of the said materials and goods as and from such time as they are reasonably, properly and not prematurely brought to or placed adjacent to the work and then only if adequately protected against weather or other casualties and considered acceptable by SBIL/ Consultant. An indemnity bond is to be submitted in an appropriate format approved by the Bank, whenever Secured Advance against materials are prayed for. If SBIL has supplied any materials or

goods to the Contractor, the cost of any such materials or goods will be progressively deducted from the amount due to Contractor in accordance with the quantities consumed in the work.

All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed and shall not preclude the requiring of bad unsound and imperfect or unskilled work to be removed and taken away and reconstructed or re-erected or be considered as an admission of the due performance of the contract or any part thereof in any respect or the accruing of any claim, nor shall, it conclude determine or affect in any way the powers of SBIL under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the Contractor to the Consultant within one month of the date of certificate of completion furnished by the Consultant and payment shall be made after the same is duly verified and certified by the Consultant.

- **Final Payment:**

The final bill shall be accompanied by a certificate of completion **(Proforma – XI & XII)** from SBIL/ Consultant along with all other documents required to be submitted by the Contractor under these conditions. Payment of final bill shall be made after deduction of Retention Money as specified in these conditions which sum shall be refunded in the manner stated in these conditions. The acceptance of payment of the final bill by the Contractor would indicate that he would have no further claim in respect of the work executed.

- **Note:**

The contractors are advised to submit their final bill (s) within 30 days from the date of completion of works, duly certified / recommended by the user department and supported by the work completion certificate as per the prescribed format, failing which their bill (s) may not be considered for payment. One undertaking shall have to be submitted to SBIL while receiving the formal works order (s).

5.47 VARIATION / DEVIATION:

The Contractor may when authorized and shall, when directed in writing by SBIL/ Consultant, add and or omit or vary the work shown in the drawings or described in the specification or included in the priced schedule of quantities. The Contractor on his own accord shall make no addition, omission or variation without such authorization from Bank. A verbal authority or direction by SBIL/ Consultant, if confirmed by the Contractor in writing within 7 days, shall be deemed to have been given in writing. The price of all such additional / non-tendered items will be worked out on the basis of rates quoted for similar items in the contract, wherever existing or an engineering rate analysis based on prevalent fair price of labour materials at site of work including wastage and other components as required plus **15% for overhead and profit, etc.** Works contract Sales Tax at prevailing rate will be payable extra over the stipulated OH / project percentage.

The tender rates shall hold good for any increase or decrease in tender quantities. No claim for an extra charge shall be allowed unless it has been executed by the authorization of Bank / Consultant. No variation shall vitiate the contract.

5.48 SUBSTITUTION:

Should the Contractor desire to substitute any materials and workmanship he / they must obtain the approval of SBIL/ Consultant in writing for any such substitution well in advance. For materials designated in this specification by such term as "Equal" or "Other Approved Equivalent", etc. Specific approval of SBIL/ Consultant shall be obtained in writing prior to execution.

5.49 PREPARATION OF BUILDING WORK FOR OCCUPATION AND SUBSEQUENTLY USE ON COMPLETION:

The whole of the work will be thoroughly inspected by the Contractor and deficiencies / defects put right, all windows and doors cleaned including cleaning and oiling, if necessary, of all hardware. All floors, staircases and every part of the building both inside & outside shall be left neat and clean as to ensure immediate occupation to the satisfaction of the Bank. On completion of above, the Contractor shall inform SBIL that he has completed the work and it is ready for inspection.

5.50 CLEARING OF SITE ON COMPLETION OF WORKS:

On completion of the work the Contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary work of every kind and leave the whole of the site and the work clean and in workman like condition to the satisfaction of SBIL/ Consultant.

5.51 DEFECTS AFTER COMPLETION:

The Contractor shall make good from time to time at his own cost and to the satisfaction of SBIL/ Consultant all defects, shrinkage, settlements or other faults which may appear within 36 months after completion of the work and considered as the "*Defect Liability Period*". In default SBIL may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental there to shall be made good and borne by the Contractor and such damages, loss and expenses shall be recoverable from him by SBIL or may be deducted by the Bank, in lieu of such amending and making good by the Contractor deduct from any money due to the Contractor a sum equivalent to the cost of amending such work and in the event of the amount retained being insufficient recover the balance from the Contractor from the amount retained under these conditions together with any expenses SBIL may have incurred in connection therewith.

5.52 GUARANTEE FOR SPECIALIZED WORKS:

Wherever provision for submission of a guarantee has been advised, the same shall be submitted from the specialized agency along with a counter guarantee by the main Contractor engaged for the work. The guarantee shall be furnished on non-judicial stamp paper of appropriate value. If the

Contractor is required to submit guarantee / guarantees for any item / items for a period of more than 36 months, the guarantee/guarantees in case of those items shall remain valid even after expiry of the defect liability period of 36 months as stipulated in the contract.

5.53 CONCEALED WORK:

The Contractor shall give due notice to SBIL/ Consultant whenever any work is to be buried in the earth, concrete or in the bodies of walls or otherwise become inaccessible later on, in order that the work may be inspected, and correct dimensions taken before such burial. In default whereof, the same shall, at the option of SBIL/ Consultant, be either opened up for measurements at the Contractor's expense or no payments may be made for such materials. Should any differences or disputes arise after execution of any work as to measurements etc. or other matters which cannot be conveniently tested or checked the records of SBIL/ Consultant shall be accepted as correct and binding on the Contractor.

- **Treasure Trove:**

Any treasure trove, coin or object antique which may be found on the site shall be the property of SBI and shall be handed over to SBIL immediately.

5.54 ESCALATION:

The rates quoted shall be firm throughout the tenure of the contract (including extension of time, if any granted) and will not be subject to any fluctuation due to increase in cost of materials, labor, sales tax, octroi, etc., unless specifically provided for this document.

5.55 IDLE LABOUR:

Whatever the reasons may be, no claim for idle labor, additional establishment cost, hire and labor charges of tools and plants would be entertained under any circumstances.

5.56 SUSPENSION:

If the Contractor, except on account of any legal restraint upon SBIL preventing the continuance of the work or in the opinion of SBIL shall neglect or fail to proceed with the due diligence in the performance of his part of the contract or if he shall more than once make default, SBIL shall have the power to give notice in writing to the Contractor requiring the work be proceeded within a reasonable manner and with reasonable dispatch, such notice purport to be a notice under this clause. After such notice shall have been given, the Contractor shall not be at liberty to remove from site of the work or from any ground contiguous thereto, any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with. If the Contractor shall fail for 15 days after such notice has been given to proceed with the work as therein prescribed, SBIL may proceed as provided in **Clause 5.57 (Termination of Contract by the Bank)**.

5.57 TERMINATION OF CONTRACT BY BANK:

If the Contractor being a Bank go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a compensation for the benefit of the greater part, in number or amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the Contractor in insolvency, shall repudiate the contract or if a Receiver of the Contractor's firm appointed by the court shall be unable, within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of SBIL that he is able to carry out and fulfil the contract and if so required by SBIL to give reasonable security there for, or if the Contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the Contractor or shall assign, charge or encumber this contract or any payments due or which may become due to the Contractor, thereunder, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the Contractor within three clear days after the notice shall have been given to the Contractor in manner hereinafter mentioned requiring the Contractor to observe or perform the same or shall use improper materials or workmanship in carrying on the work, or shall in the opinion of SBIL not exercise such due diligence and made such due progress as would enable the work to be completed within due time agreed upon and shall fail to proceed to the satisfaction of SBIL after three clear days' notice requiring the Contractor to do so shall have been given to the Contractor as hereinafter mentioned, or shall abandon the contract, then and in any of the said cases, SBIL may notwithstanding any previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby affecting the powers of SBIL of the obligations and liabilities of the contract the whole of which shall continue in force as fully as if the contract had not been so determined and as if the work subsequently executed had been executed by or on behalf of the Contractor (without thereby creating any trust in favor of the Contractor). Further SBIL or his agent or servants may enter upon and take possession of the work and all plants, tools, scaffolding, sheds, machinery, steam and other power, utensils and materials being lying upon premises or the adjoining lands or road and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the work or by employing any other Contractors or other person to complete, and the Contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other Contractors or other persons or person employed from completing and finishing or using the materials and plants for the work. When the work shall be completed or as soon as thereafter as conveniently may be, SBIL shall give notice in writing to the Contractor to remove his surplus materials and plants and should the Contractor fail to do so within a period of 14 days after receipt by him of the said notice, SBIL may sell the same by Public Auction and shall give credit to the Contractor for the amount so realized. Any expenses or losses by SBIL in getting the work carried out by other Contractors shall be adjusted against the amount payable to the Contractor by way of selling his tools and plants or due on account of work carried out by the Contractor prior to engaging other Contractors or against the Security Deposit.

5.58 ARBITRATION CLAUSE:

- 5.58.1 Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, design, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions orders or these conditions or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter. If the Contractor considers that he is entitled to any extra payment or compensation in respect of the works over and above the amount s admitted as payable by the Architect or in case the Contractor wants to dispute the validity of any deductions or recoveries made or proposed to be made from the contract or raise any dispute, the Contractor shall forthwith give notice in writing of his claim, or dispute to **the Dy. General Manager (Admin. & Accounts), SBIL Kolkata** and endorse a copy of the same to the Architect, within 30 days from the date of disallowance thereof or the date of deduction or recovery. The said notice shall give full particulars of the claim, grounds on which it is based and detailed calculations of the amount claimed and the Contractor shall not be entitled to raise any claim nor shall SBIL be in any way liable in respect of any claim by the Contractor unless notice of such claim shall have been given by the Contractor to the **Dy. General Manager (Admin. & Accounts), SBIL Kolkata** in the manner and within the time as aforesaid. The Contractor shall be deemed to have waived and extinguished all his rights in respect of any claim not notified to the **Dy. General Manager (Admin. & Accounts), SBIL Kolkata** in writing in the manner and within the time aforesaid.
- 5.58.2 **The Dy. General Manager (Admin. & Accounts), SBIL Kolkata** shall give his decision in writing on the claims notified by the Contractor. The Contractor may within 30 days of the receipt of the decision of the **Dy. General Manager (Admin. & Accounts), SBIL Kolkata** submit his claims to the conciliating authority namely the **General Manager & Director of SBIL** for conciliation along with all details and copies of correspondence exchanged between him and the **Dy. General Manager (Admin. & Accounts), SBIL Kolkata** .
- 5.58.3 If the conciliation proceedings are terminated without settlement of the disputes, the Contractor shall, within a period of 30 days of termination thereof shall give a notice to the concerned **General Manager & Director of SBIL** for appointment of an arbitrator to adjudicate the notified claims failing which the claims of the Contractor shall be deemed to have been considered absolutely barred and waived.
- 5.58.4 Except where the decision has become final, binding, and conclusive in terms of the contract, all disputes or differences arising out of the notified, claims of the Contractor as aforesaid and all claims of SBIL shall be referred for adjudication through arbitration by the Sole Arbitrator appointed by the General Manager & Director. It will also be no objection to any such appointment that the Arbitrator so appointed is a Bank Officer and that he had to deal with the matters to which the Contractor relates in the course of his duties as Bank Officer. If the arbitrator so appointed, is unable or unwilling to act or resigns his

appointment or vacates his office due to any reason another sole arbitrator shall be appointed in the manner aforesaid by the said General Manager & Director. Such person shall be entitled to proceed with reference from the stage at which it was left by his predecessor.

- 5.58.5 It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each dispute along with the notice for appointment of arbitrator.
- 5.58.6 It is also the term of this contract that no person other than a person appointed by such General Manager & Director as aforesaid should act as arbitrator. The conciliation and arbitration shall be conducted in accordance with the provisions of the Arbitration & Conciliation Act 1996 or any statutory modification or reenactment thereof and the rules made thereunder.
- 5.58.7 It is also a term of the contract that if any fees are payable to the arbitrator these shall be paid equally by both the parties. However, no fees will be payable to the arbitrator if he is a Bank Officer.
- 5.58.8 It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if there are any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any of the arbitrator) shall be in the discretion of the arbitrator who may direct any by whom and in what manner, such costs or any part thereof, shall be paid and fix or settle the amount of costs to be so paid.

5.59 DELINQUENCIES:

The undernoted delinquencies / defaults / misconducts / misdemeanors on the part of the tender (s) will attract disqualification action:

- ❖ Incorrect information about credentials, performance, equipment, resources, technical staff, etc.
- ❖ Non-submission of fresh / latest Income Tax clearance certificate
- ❖ Irregular tendering practices
- ❖ Submission of tenders containing far too many arithmetical errors and freak rates
- ❖ Revoking of tenders without any valid reason

- ❖ Tardiness in commencing works
- ❖ Poor organization at site and lack of competent supervision
- ❖ Ignoring the Bank's notices for replacement / rectification of rejected materials, improper workmanship, etc.
- ❖ Violating any of the conditions of the contract viz. site facilities, insurance, labor laws, prohibition on subletting, etc., without any valid reason
- ❖ Lack of promptitude and co-operation in measurement of work and settling final accounts
- ❖ Non-submission of bills, proof of purchases, etc.
- ❖ Tendency towards putting up false and untenable claims
- ❖ Tendency towards suspension of work for frivolous reasons
- ❖ Treatment of workmen injured at site
- ❖ Ill treatment of sub-contractors (piece workers) and unprofessional dealings with suppliers of materials, which might affect progress of works at site
- ❖ Lack of co-ordination as well as co-operation with other contractors / vendors / agencies duly appointed by the Bank
- ❖ Contractors becoming insolvent / bankrupt
- ❖ Contractor's conviction by a Court of Law
- ❖ Failure to satisfactorily rectify defects during Defects Liability Period (DLP) and discovery of latent defects in works after expiry of DLP under the contract.

- **Disqualification Action against Contractors on account of Delinquencies:**

The award of the undernoted disciplinary action shall be considered –

- Placing embargo on issuance of tenders for upcoming works or temporary suspension for a period as decided by SBIL at its absolute discretion.
- Permanent ban on issuance of tenders.

5.60 FORCE MAJEURE:

Neither SBIL nor the contractor shall be considered in default in performance of their obligations, if such performance is prevented or delayed by events under Force Majeure (war, hostilities, revolution, riots, civil commotion, strikes, lockouts, conflagrations, epidemics, pandemics, storms, floods, droughts, earthquakes or any kind of natural calamities or act of God).

SECTION 6 - SPECIAL CONDITION OF CONTRACT**6.1 Scope of work**

- 1.0 The scope of work is to carry out for the Proposed System Integrators for Supply, Installation, Testing, Commissioning (SITC) of Audio-Visual Upgradation with networking at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.

2.0 Address of site

The site is located at State Bank Institute of Leadership (SBIL), Rajarhat, Kolkata, West Bengal.

3.0 Dimensions and levels

All dimensions and levels shown on the drawings shall be verified by the contractor and the site and he will be held responsible for the accuracy and maintenance of. All the dimensions and the levels. Figured dimensions are in all cases to be accepted and dimensions shall be scaled. Large scale details shall take precedence over small scale drawings. In case of discrepancy the contractor shall ask for clarification from the Architect / consultant before proceeding with the work.

4.0 Notice of operation

The contractor shall not carry out any important operation without the Consent in with from the Architect / consultant:

5.0 Construction records

The contractor shall keep and provide to the Architect / consultant full and accurate records of the dimensions and positions of all new work and any other information necessary to prepare complete drawings recording details of the work as construction.

6.0 Safety of adjacent structures and trees

The contractor shall provide and erect to the approval of the Architect / consultant support as may be required to protect effectively all structures and protective give to trees, which may be endangered by the execution of the works or otherwise such permanent measures as may be required by the Architect to protect the tree structures.

7.0 Temporary works.

Before any temporary work is completed the contractor shall submit at least in advance to the Architect / consultant for approval complete drawings of all temporary work he may require for the execution of the works. The contractor shall carry out the modifications relating to strength, if required by the Architect / consultant may require in accordance with the conditions of contract at his own cost the contractor shall be solely responsible for the stability and safety of all temporary works and unfinished works and for the quality of the permanent works resulting from the arrangement eventually adopted for their execution.

8.0 Water, Power and other facilities

- a) The rate quoted by the contractor shall include all expenses that are required for providing all the water required for the work and the contractor shall make his own arrangements for the supply of good quality water suitable for the construction and good quality drinking water for their workers. If necessary, the contractor has to sink a tube well / open well and bring water by means of tankers at his own cost for the purpose. The SBI will not be liable to pay any charges in connection with the above.
- b) The rate quoted in the tender shall include the expenses for obtaining and maintaining power connections and shall pay for the consumption charges as instructed.
- c) The contractors for other trades directly appointed by the SBI shall be entitled to take power and water connections from the temporary water and power supply obtained by the contractor. However, the contractor concerned shall make their own arrangements to draw the supply and pay directly the actual consumption charges at mutually agreed rates between them. All municipal charges for drainage and water connection for construction purposes shall be borne by the contractor and charges payable for permanent connections, if any, shall be initially paid by the contractor and the SBI will reimburse the amount on production of receipts.
- d) The SBI as well as the Architect / consultant shall give all possible assistance to the Contractor's to obtain the requisite permission from the various authorities, but the responsibility for obtaining the same in time shall be of the contractor.

9.0 Facilities for contractor's employees

The contractor shall make his own arrangement for the housing and welfare of his staff and workmen including adequate drinking water facilities. The contractor shall also make the arrangements at his own cost for transport where necessary for his staff and workmen to and from site of work at his own cost.

10.0 Lighting of works

The contractor shall at all times provide adequate and approved lighting as required for the proper execution and supervision and inspection of work.

11.0 Firefighting arrangements

- i) The contractor shall provide suitable arrangements for firefighting at his own cost. For this purpose, he shall provide requisite number of fire extinguishers and adequate number of buckets, some of which are to be always kept filled with sand and some with water. This equipment shall be provided at suitable prominent and easily accessible place and shall be properly maintained.

- ii) Any deficiency in the fire safety or unsafe conditions shall be corrected by the contractor at his own cost and, with the approval of the relevant authorities. The contractor makes the following arrangements at his own cost but is not limited to the following:
- a) Proper handling, storage and disposal of combustible materials and waste.
 - b) Work operations which can create fire hazards.
 - c) Access for fire-fighting equipment.
 - d) Type, number and location of containers for the removal of surplus materials and rubbish.
 - e) Type, size, number and location of fire extinguishers or other fire fighting equipment.
 - f) General housekeeping.

12.0 Site order book

A site order book shall be maintained at site for the purpose of quick communication between the Architect / Consultant. Any communication relating to the work may be conveyed through records in the site order book. Such a communication from one party to the other shall be deemed to have been adequately served in terms of contract. Each site order book shall have machine numbered pages in triplicate and shall be carefully maintained and preserved by the contractor and shall be made available to the Architect / consultant as and when demanded. Any instruction which the Architect / consultant may like to issue to the contractor or the contractor may like to bring to the Architect / consultant two copies of such instructions shall be taken from the site order book and one copy will be handed over to the party against proper acknowledgment and the second copy will be retained for their record.

13.0 Temporary fencing/ barricading

The contractor shall provide and maintain suitable temporary fencing / barricading and gates at his cost to adequately enclose all boundaries of the site for the protection of the public and for the proper execution and security of the work and in accordance with the requirement of the Architect / consultant and regulations of local authorities. These shall be altered, relocated and adopted from time to time as necessary and removed on completion of the work.

14.0 Site meetings

Site meetings will be held to review the progress and quality evaluation. The contractor shall depute a senior representative along with the site representative and other staff of approved sub-contractors and suppliers as required to the site meetings and ensure all follow up actions. Any additional review meetings shall be held if required by the Architect/ consultant. -

15.0 Disposal of refuse

The contractor shall cart away all debris, refuse etc. arising from the work from the site and deposit the same as directed by the Architect / consultant at his own cost. It is the responsibility of the contractor to obtain from the local authorities concerned the effect that

all rubbish arising out of contractor's activities at the construction site or any other off-site activities borrowed from pits has been properly disposed of.

16.0 Contractor to verify site measurement

The contractor shall check and verify all site measurements whenever requested other specialist contractors or other sub-contractors to enable them to prepare the own shop drawing and pass on the information with sufficient promptness as will in any way delay the works.

17.0 Displaying the name of the work

The contractor shall put up a name board of suitable size as directed by the Architect/consultant indicating therein the name of the project and other details as given by the Architect/consultant at his own cost and remove the same on completion of work.

18.0 As built drawings

- i) For the drawings issued to the contractor by the Architect / Consultant. The Architect Consultant will issue two sets of drawings to the Contractor for the items because some changes have been made. From the approved drawings as instructed by the SBI / Architect / Consultant. The contractor will make the changes made on these copies and return these copies to the Architect / Consultant for their approval. In cases revision is required or the corrections are not properly marked the Architect / Consultant will point out the discrepancies to the contractor. The contractor will have to incorporate these corrections and / or attend to discrepancies either on copies as directed by the Architect / consultant and resubmit to him for approval. The Architect / consultant will return one copy duly approved by him.

- ii) For the drawings prepared by the contractor

The contractor will modify the drawing prepared by him wherever the changes are made by the SBI / Architect / Consultant and submit two copies of such modified drawings to the Architect / Consultant for approval. The Architect / consultant will return one copy of the approved drawing to the contractor.

19.0 Procurement of materials

The contractor shall make his own arrangements to procure all the required materials for the work & should store the records for said procurement. Bank may ask to produce the same for cross verification of procurement dates. All wastages and losses shall be to the contractor's account.

20.0 Excise Duty, Taxes, Levies etc. ;

The contractor shall pay and be responsible for payment of all taxes, duties, levies, royalties, fees, cess or charges in respect of the works including but not limited to sales tax, tax on works contract excise duty, and octroi, payable in respect of materials, equipment plant and other things required for the contact. All of the aforesaid taxes, duties, levies, fees and charges shall be to the contractor's account and the SBI shall not be required to pay any additional or extra amount on this account. Variation of taxes, duties, fees, levies etc. if any,

till completion of work shall be deemed to be included in the quoted rates and no extra amount on this account. Variation of taxes, duties, fees, levies etc. if any, till completion of work shall be deemed to be included in the quoted rates and no extra claim on this account will in any case be entertained. If a new tax or duty or levy or cess or royalty or octroi is imposed under as statutory law during the currency of contract the same shall be borne by the contractor.

21.0 Acceptance of tender

The SBI shall have the right to reject any or all tenders without assigning any reason. They are not to bind to accept the lowest or any tender and the tenderer or tenderers shall have no right to question the acts of the SBI. However adequate transparency would be maintained by the SBI

22.0 Photographs:

- The Contractor shall at his own expense supply to the Bank/Architects with duplicate hard copies of large photographs not less than 25 cm. x 20 cm. (10" x 8") of the works, taken from two approved portions of each building, at intervals of not more than one month during the progress of the work or at every important stage of construction.
- In addition to above, the contractor shall be bound to submit adequate no. of site photographs along with each Running Bill for the project clearing showing major progress of work measured and claimed therein failing which the Architect/ SBI may consider returning the Bill to the contractor and no claim for delay on this account will be entertained.

23.0 Designing and implementation Plan:

- i. Vendor is required to develop a detailed implementation plan for the project which should include the full scope of the project as mentioned above. On acceptance of such plan by the SBI, the vendor is required to carry out the implementation including supply, installation, Programming, testing, commissioning, & Training of equipment, etc.
- ii. Vendor to enclose the implementation plan of all Services mentioned in NIT, in Technical Bid. SBI reserves to reject vendors on basis of their Time schedule & Implementation plan. The Price bid of such vendors will not be opened.

24.0 Contract with the Vendor

- i. SBI would enter into a contract with the finally selected vendor who will be responsible for delivery, installation, commissioning and overall implementation of a Audio-Video solution.
- ii. Bidder should submit the proposals with min. 3 years warranty. Bidder should take the prior back-to-back warranty from all OEMs. IF SBI finds it necessary to check it, SBI reserves all rights to check it with OEM or may ask certificate from OEM with serial Numbers.

iii. The finalization will be done on the basis of BID VALUE after all the tender conditions are fulfilled. **BID VALUE** = Supply of items/Material cost with 3 Years warranty + Implementation cost(Labour) + **Onsite support for 36 Months from the date of start of the warranty period**

+ CAMC for 2 years after Defect Liability period.

25.0 Warranty

The offer must include comprehensive on-site warranty for 3 year from the date of acceptance of the system by SBI (Handover date) after its installation and commissioning. Handover will be done only after confirmation that there no defects /faults/ work issues/snags etc and no representation by the vendor would be entertained. Onsite comprehensive warranty shall include all the hardware components including free replacement of spares, parts, kits as and when necessary or directed by the Architects, Consultants &/or Bank.

26.0 Comprehensive Annual Maintenance Contract (CAMC) & Free maintenance services (FMS)

Vendors has to quote including Comprehensive AMC (CAMC) & FMS(for 2 years) as per tender terms and conditions.

The Comprehensive AMC warranty would be on-site and comprehensive in nature and back-to-back support from the OEM with 24x7 support for the core components. The vendor will warrant all the hardware and software against defects arising out of faulty design, materials and media, workmanship etc. for a period of 3 years from the date of acceptance of the hardware and software &/or system in general.

The vendor will provide support for Operating Systems and other preinstalled software components during the warranty period of the hardware on which this software & operating system will be installed' The Vendor shall repair or replace worn out or defective parts including all plastic parts of the equipment at his own cost including the cost of transport.

27.0 Timely availability of Support Services

The vendor should have proper and adequate support mechanism in place at Kolkata to provide all necessary support under this project through their own support offices only. The response time for the support / breakdown call should not be more than 4 hours. The Vendor must also have a centralized help desk for logging all service complaints.

28.0 Successful Bidder has to follow the following process & timelines: -

- Within 3 days against E-mail confirmation of the award of the job, bidder has to submit all shop drawings along with the final make & model of every item, out of the approved makes, to be proposed by him.
- Within 3 days against e-mail confirmation, bidder has to allocate the Project Execution Team / Project Manager (PM) with dedicated project manager at site.
- Once Project Manager is appointed for SBIL by Bidder, the Project Manager will become the SPOC (Single Point of Contact) for execution related work and for Delivery schedule.
- After preparation of the drawings, PM of Bidder has to take approvals on the same from Architect & SBIL.
- Meanwhile, PM is also supposed to give the complete instructions & pre-requisites about

the site.

- Once, the above stages are completed, the execution team should be at site within 2 working days & they should commence the works on site
- Once Execution team commences their works at site, within 3-4 working days, PM should give complete report of site technicalities & he also has to give pending or incomplete Pre-requisites if any.
- Then PM has to give daily reports to Team of SBIL & Architects.
- Entire Execution Team should be insured at the required value by the bidder
- Entire Team should be at site with all precautionary measures like Safety Shoes, Life Jackets, Helmets etc. Without these, nobody will be permitted to site.

PLEASE NOTE:

- Bidders can do the site visit to understand the existing AV system installed. Bidders can visit site from Monday to Friday between 11 am to 4 pm. From 29/11/2025 to 28 /12/2025.
- During the term of the Contract, Vendor will maintain all the equipment's in perfect working order and condition and for this purpose will provide all the necessary repairs and maintenance services
- Free maintenance services (FMS) during the warranty period & AMC. Professionally qualified personnel who have expertise in the hardware and system software supplied by the vendor will provide these services.
- The Bidder shall rectify any defects, faults and failures in the equipment and shall repair / replace worn out or defective parts of the equipment during working hours i.e. from 8.00 A.M. to 8.00 P.M on all working days (viz. Monday to Saturday). In case any defects, faults and failures in the equipment cannot be repaired or rectified during the said period, the engineers of the VENDOR are required to accomplish their duties beyond the said schedules in case of any situation if it warrants. In cases where unserviceable parts of the equipment need replacement, the VENDOR shall replace such parts, at no extra cost to the SBIL, with brand new parts or those equivalent to new parts in performance. For this purpose, the VENDOR shall keep sufficient stock of spares at Bank's premises and at the premises of the VENDOR.
- The maximum response time for a maintenance complaint from the site of installation (i.e. time required for Vendor's maintenance engineers to report to the installations after a request call / fax /e-mail is made or letter is written) shall not exceed 4 (four) hours.
- The VENDOR shall ensure that faults and failures intimated by SBIL as above are set right within 24 hours of being informed of the same. In any case the equipment should be made workable and available not later than the Next Business Day.
- The VENDOR shall ensure that the full configuration of the equipment is available to the SBIL in proper working conditions viz. uptime of 99.5% of the time on a 24x7x monthly basis for purpose of calculating penalty, uptime is calculated as under:

$$\text{Uptime (\%)} = \left\{ \frac{\text{Sum of total hours during month} - \text{Sum of downtime hours during month}}{\text{Sum of total hours during the month}} \right\} \times 100$$

Total hours during the month = No. of working days x 8 hours

(a) Penalties for SLA uptime shall be as under.

Sr. No.	Uptime Range	Penalty
1	99.5% and above	NIL
2	98% and above but below 99.5%	20% of Yearly Warranty Charges
3	96% and above but below 98%	40% of Yearly Warranty Charges
4	94% and above but below 96	60% of Yearly Warranty Charges
5	92% and above but below 94%	80% of Yearly Warranty Charges
6	Below 92%	100%

- Vendor shall ensure that the Mean Time between Failures (MTBF) (including any malfunctioning, breakdown or fault) in the Equipment or any part thereof during Contract period, not more than four occasions in preceding 90 days, it shall be replaced by equivalent superior new Equipment or part thereof by Vendor immediately at free of cost during warranty and AMC period'
- Preventive maintenance: Vendor shall conduct preventive maintenance (including but not limited to inspection, testing, satisfactory execution of all diagnosis, cleaning and removal of dust and dirt from the interior and exterior of the Equipment and necessary repair of the Equipment once within first 15 days of the installation once within the first 15 days of every alternate month during the currency of the Contract on a day and time to be mutually agreed upon. Notwithstanding, the foregoing Vendor recognizes the Bank's operational needs and agrees that SBIL shall have the right to require Vendor to adjourn preventive maintenance from any scheduled time to a date and time not later than 15 working days thereafter.
- All engineering changes generally adopted hereafter by Vendor for Equipment similar to that covered by the Contract, shall be made to the Equipment at no cost to SBIL.
- Qualified maintenance engineers totally familiar with the Equipment shall perform all repairs and maintenance service described herein.
- The SBIL shall maintain a register at its site in which the Bank's operator/ supervisor shall record each event of failure and /or malfunction of the Equipment's and the Vendor's engineer shall enter the details of the action taken in such register. Additionally, every time a preventive or corrective maintenance is carried out, the Vendor's engineer shall make, effect in duplicate, a field call report which shall be signed by him and thereafter countersigned by the Banks official. The original of the field call report shall be handed over to the SBIL official.
- The VENDOR shall provide replacement equipment if any equipment is out of the premises for repairs.
- Any worn or defective parts withdrawn from the Equipment and replaced by Vendor shall become the property of Vendor and the parts replacing the withdrawn parts shall become

the property of Bank. Notwithstanding anything contained contrary, if any hard disk or storage device is required to be replaced, the same shall not be handed over to vendor and same will continue to remain in possession of the Bank.

- Subject to the security requirement, Vendors maintenance personnel shall be given access to the Equipment, when necessary, for purpose of performing the repair and maintenance services indicated in this RFP.
- If SBIL desires to shift the Equipment to a new site and install it thereof, the Vendor shall be informed of the same. SBIL shall bear the reasonable mutually agreed charges for such shifting and Vendor shall provide necessary arrangements to the Bank. The terms of this RFP, after such shifting to the alternate site and reinstallation thereof would continue to apply and binding on Vendor.
- The SBIL shall arrange to maintain appropriate environmental conditions, such as those relating to space, temperature, power supply, dust within the acceptable limits required for Equipment similar to that covered by this RFP.
- During any month if Vendor does not fulfill the provisions of clauses as above, only the proportionate maintenance charges for that period during the month will be considered payable by SBIL without prejudice to the right of the SBIL to terminate the contract. In such event if Vendor was credited without deducting the proportionate maintenance charges for that month, the SBIL can deduct the same from future payments payable or Vendor shall refund the amount forthwith to Bank on demand by the Bank.
- Future additions of Hardware / Software: SBIL would have the right to shift supplied systems to an alternative site of its choice. Disconnect / connect / substitute peripherals or devices or any equipment / software acquired from another vendor.
- Expand the capacity / enhance the features / upgrade the hardware / software supplied, either from Vendor, or third party, or developed in-house provided such changes or attachments do not prevent proper maintenance, from being performed or unreasonably increase Vendor cost of performing repair and maintenance service.
- The warranty terms would not be considered as violated if any of the above takes place. Should there be a fault in the operations of the system, Vendor would not unreasonably assume that the causes lie with that components / software if or not acquired from them.
- During the contract period of 5 years the vendor should maintain an uptime of minimum 99.5% on monthly basis for all the equipment.

Please note,

The Total Cost of Bid or Ownership (TCO) means the total bid value inclusive of the 3-year warranty for all the components, equipment, gadgets etc. as supplied & installed by the S.I / contractor.

The cost shall also include the 4th & 5th Year Comprehensive Annual Maintenance Contract i.e. Comprehensive AMC. Further, for evaluating the bidders, the total bid value including the warranty

for 3 years as mentioned herein and comprehensive AMC for 4th & 5th year from the date of handover of the project in all respects & to be included and considered, to arrive at the L-1 bidder. Further, the cost towards comprehensive maintenance required during the defect liability period of 36 months is deemed to have been included in the total cost of the bid / ownership.

SECTION-7 DESIGN BRIEF REPORT FOR AUDIO VISUAL SYSTEM

Supply, installation, integration, programming, testing and commissioning of the following AV system equipment:

7.1 40 Seats Classroom (Hybrid)-

- a) Audio systems comprise of Wireless Handheld Microphone, Wireless Lavalier Microphone, Digital signal processor (DSP), Power amplifier, Ceiling speakers.
- b) Video System comprising of 1 no. 132"-138" DvLED videowall, 1 no. 75" Display (existing) on the rear wall and 1 no. Tablet display on the lectern.
- c) Video Routing & switching system comprising of Multiwindow Processor, Annotation processor, Recoding Appliance, USB Matrix switcher, Codec, PTZ camera, Room PC, AV over IP encoder/Decoder, wireless presentation system.
- d) Control System comprising of control processor, room schedulers (existing), network switch, 10" Touch panel. ***An additional iPad has been considered for all the Training Rooms (Hybrid and Non-Hybrid, both) to control them through X- Panel from outside the Training Room.*
- e) Miscellaneous works comprising associated accessories and cabling works.

7.2 40 Seats Classroom (Non-Hybrid)-

- a) Audio systems comprise of Wireless Handheld Microphone, Wireless Lavalier Microphone, Wireless Lanyard Microphone Digital signal processor (DSP), Power amplifier, Ceiling speakers.
- b) Video System comprising of 1 no. 132"-138" DvLED videowall and 1 no. Tablet display on the lectern.
- c) Video Routing & switching system comprising of Recoding Appliance, Annotation processor, USB Matrix switcher, PTZ camera, Room PC, AV over IP encoder/Decoder, wireless presentation system.
- d) Control System comprising of control processor, room schedulers (existing), network switch, 10" Touch panel.
- e) Miscellaneous works comprising associated accessories and cabling works.

7.3 52 Seats Boardroom -

- a) Audio systems comprise of Wireless Handheld Microphone, Wireless Lavalier Microphone, Ceiling Mics, Digital signal processor (DSP), Power amplifier, Ceiling speakers.
- b) Video System comprising of 2 no. 110" DLED videowall. 2 no. 65" Display on the rear wall. 7 no. Retractable Monitors on the table.
- c) Video Routing & switching system comprising of Recoding Appliance, PTZ camera, USB Matrix switcher, Codec, Room PC, AV over IP encoder/Decoder, wireless presentation system.
- d) Control System comprising of control processor, room scheduler (existing), network switch, 10" Touch panel.
- e) Miscellaneous works comprising associated accessories and cabling works.

7.4 Auditorium -

- a) Audio systems comprise of Wireless Handheld Microphone, Wireless Lavalier Microphone, Gooseneck Microphones, Digital signal processor (DSP), Audio Mixer, Power amplifier, Front Fill speakers, Stage Monitor Speaker, Control Room Speakers, Line Array speakers, Control Room Speakers, Ceiling speakers for the Green Rooms.
- b) Video System comprising of 1 no. 260" to 271" DLED videowall, 3 no. 163" to 174" DLED videowall. 2 no. 55" Displays (existing) for the Green rooms. 3 no. 22" Monitors in control room. 1 no. Tablet display on the Podium.
- c) Video Routing & switching system comprising of Recoding Appliance, Annotation processor, Multiwindow Processor, USB Matrix switcher, Codec, Room PC, High End PC, AV over IP encoder/Decoder, wireless presentation system.
- d) Control System comprising of control processor, network switch, 10" Touch panel and iPad.
- e) Lighting Dimmer with button Panel for controlling.
- f) Miscellaneous works comprising associated accessories and cabling works.

7.5 22 Seat Circular Conference Room –

- a) Audio systems comprise of Table Button Mics, Digital signal processor (DSP), Power amplifier, Ceiling speakers.
- b) Video System comprising of 1 no. 86" Display (existing), 2 no. 75" Display (existing) on the Side wall.

- c) Video Routing & switching system comprising of Multiwindow Processor, USB Matrix switcher, Codec, Room PC, AV over IP encoder/Decoder, wireless presentation system.
- d) Control System comprising of control processor, room schedulers, network switch, 10" Touch panel.
- e) Miscellaneous works comprising associated accessories and cabling works.

7.6 Mini Conference Room (Type 01) –

- a) Video System comprised of 1 no. 98" Display, All in One Video Bar.
- b) Video Routing & switching system comprises USB Matrix switcher, Room PC, wireless presentation system.
- c) Control System comprising of room scheduler (existing), 10" Touch panel.
- d) Miscellaneous works comprising associated accessories and cabling works.

7.7 Mini Conference Room (Type 02) –

- e) Video System comprising of 1 no. 98" Display.
- f) A wireless presentation Gateway is considered for the wireless-based presentation.
- g) Control System comprising of room scheduler (existing).

7.8 24 Seat Conference Room –

- a) Video System comprising of 1 no. 86" Display (existing), All in One Video Bar.
- b) Video Routing & switching system comprising of USB Matrix switcher, Room PC.
- c) Control System comprising of room scheduler (existing), 10" Touch panel.
- d) Miscellaneous works comprising associated accessories and cabling works.

7.9 Research Area –

- e) Video System comprising of 1 no. 55" Display (existing) on trolley, All in One Video Bar.

- f) Video Routing & switching system comprising of USB Matrix switcher.
- g) Control System comprising of room scheduler (existing), 10" Touch panel.
- h) Miscellaneous works comprising associated accessories and cabling works.

7.10 Discussion Room –

- i) Video System comprising of 1 no. 55" Display (existing) on Trolley.

Table I: Functional Overview and Room Quantity

#	Room Type	Qty.	PPT	WC	AC	CTRL	VL/SR	INT	STB	RS
1	40 Seats Classroom (Hybrid)	03	Yes	Yes	Yes	Yes	Yes	Yes		Yes
2	40 Seats Classroom (Non-Hybrid)	04	Yes	Yes	Yes	Yes	Yes	Yes		Yes
3	52 Seats Boardroom	01	Yes	Yes	Yes	Yes	Yes			Yes
4	Auditorium	01	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
5	22 Seat Circular Conference Room	01	Yes	Yes	Yes	Yes	Yes	Yes		Yes
6	Mini Conference Hall (Type 01)	01	Yes	Yes						Yes
7	Mini Conference Hall (Type 02)	05	Yes	Yes						Yes
8	24 Seat Conference Room	01	Yes	Yes	Yes	Yes	Yes			Yes
9	Research Area (8–13-Seater)	02	Yes	Yes						
10	Discussion Room	06	Yes				Yes			

Abbreviation	Description
PPT	Wired & wireless presentation with use of appropriate display solution
SBIL-KOL-2025-11-001	Audio architecture
WC	Web based cloud-based calls
AC	VOIP Audio conferencing integrated with AV system
CTRL	Automation / control of all the functionalities using user interfaces such button panel and/or touch panel
VL/SR	Voice lift, for reproducing presenters voice in a natural manner and within room. Speech Reinforcement, on the other hand is louder
STB	Cable TV (OFE)
INT	Interactive display
RS	Room booking system

03.12.2025

7.11 40 Seats Classroom (Hybrid):

- a) 40 Seats Classroom will be equipped with 01 nos. of DvLED Videowall on the front wall to view the content, far end and near end participants 01 nos. of wall mount 75" Display on the rear wall should be used as reinforcement display for content sharing and confidence monitor for the trainer.
- b) 01 x HDMI connectivity is provided on the Digital Lectern which will be used for local presentation and content sharing during the VC calls.
- c) 01 x USB-C connectivity is provided on the Digital Lectern which will be used for local presentation and content sharing and for getting USB Peripheral devices like Camera, Mics and Speakers during BYOD application.
- d) A wireless presentation Gateway with (01)x USB C type Dongles are considered the wireless-based presentation.
- e) A Digital Lectern with (01)x 21" interactive screen provided within the room with Annotation features. The presented content from the wired and wireless medium can be annotated via the same.
- f) A codec is considered for the Video conferencing calls (IP calling) from space. A Room PC is considered with the codec for using during soft VC calls via Teams, Webex and other platforms and for BYOD (with wireless keyboard and mouse). A USB Matrix switcher has been considered for switching during BYOD applications.
- g) (02) x Type A PTZ Camera on both sides of the Type C DvLED wall considered to capture the audience. (01)x Type A PTZ camera on the rear column considered for capturing the presenter during a VC call.
- h) A H.264 Recording Appliance Type A considered for recording the events in the Auditorium.
- i) (01)x 10" Touch panel is considered on the Digital Lectern as a user interface which delivers calendar integration, touch-to-join, instant content sharing, device control.

- j) (16)x AV-over-IP boxes (Type A Encoder/Transceiver, Type B Encoder, Type A Decoder / Transceiver, Type B Decoder) are used in the backend to manage the audio and video routing and switching.
- k) (02) x Wireless Handheld Microphone (Type B), (01) x Wireless Lavalier Microphone (Type B), and (01) x Wireless Lanyard Microphone and (06) Ceiling speakers along with (01)x type A Power Amplifier are considered for presentation audio, local speech and far end audio reinforcement.
- l) (01)x Type A Digital Signal Processor (Audio DSP) considered for AEC and managing the Audio in the room.
- m) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

1.12 40 Seats Classroom (Non-Hybrid):

- a) 40 Seats Classroom will be equipped with 01 nos. of DvLED Videowall on the front wall to view the content, far end and near end participants.
- b) 01 x HDMI connectivity is provided on the Digital Lectern which will be used for local presentation and content sharing during the VC calls.
- c) 01 x USB-C connectivity is provided on the Digital Lectern which will be used for local presentation and content sharing and for getting USB Peripheral devices like Camera, Mics and Speakers during BYOD application.
- d) A wireless presentation Gateway with (01)x USB C type Dongles are considered the wireless-based presentation.
- e) A Digital Lectern with (01)x 21" interactive screen provided within the room with Annotation features. The presented content from the wired and wireless medium can be annotated via the same.
- f) A Room PC is considered for BYOD application using any soft VC calls via Teams, Webex and other platforms (with wireless keyboard and mouse). A USB Matrix switcher has been considered for switching during BYOD applications.
- g) (01)x Type A PTZ camera on the rear column considered for capturing the presenter during a VC call.
- h) A H.264 Recording Appliance Type A considered for recording the events in the Auditorium.

- i) (01)x 10" Touch panel is considered on the Digital Lectern as a user interface which delivers calendar integration, touch-to-join, instant content sharing, device control.
- j) (6)x AV-over-IP boxes (Type A Encoder/Transceiver, Type B Encoder, Type A Decoder / Transceiver, Type B Decoder) are used in the backend to manage the audio and video routing and switching.
- k) (02) x Wireless Handheld Microphone (Type B), (01) x Wireless Lavalier Microphone (Type B), and (01) x Wireless Lanyard Microphone and (06) Ceiling speakers along with (01)x type A Power Amplifier are considered for presentation audio, local speech and far end audio reinforcement.
- l) (01)x Type a Digital Signal Processor (Audio DSP) considered for AEC and managing the Audio in the room.
- m) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

7.13 52 Seats Boardroom:

- a) This room has a seating capacity of 52 Members. In this room users can present ideas locally and to Remote Location. In this room, the audience will be able to view content one (01)x and camera views on other (01)x Type D DvLED wall. (02)x 65" wall mount Display (existing) on the rear wall should be used as reinforcement display for content sharing and confidence monitor for the trainer. (07)x 17" Retractable Monitors on table can be used as confidence monitor for the rear participants near the chairman seating area.
- b) 07 x HDMI retractor cable connectivity from the existing Tabletop cable managers boxes will be used for local presentation and content sharing during the VC calls.
- c) 01 x USB-C connectivity is provided in one of those Tabletop cable managers for laptop connectivity for local presentation and content sharing and for getting USB Peripheral devices like Camera, Mics and Speakers during BYOD applications.
- d) A wireless presentation Gateway with 01 Dongle is considered the wireless-based presentation.
- e) A codec is considered for the Video conferencing calls (IP calling) from the space. A Room PC is considered with the codec for using during soft VC calls via Teams, Webex and other platforms and for BYOD (with wireless keyboard and mouse). A USB Matrix switcher has been considered for switching during BYOD applications.

- f) (02) x Type A PTZ Cameras on both side of the Type D DvLED wall on front, (01)x Type A PTZ camera on bottom of the two DvLED screens the to capture the room participants during a VC call and (01)x Type-B PTZ camera on the ceiling facing the DvLED screen to capture the presenter during a VC call. A Universal Automatic camera switcher considered for switching the cameras as per the participants position and movements.
- g) A H.264 Recording Appliance Type A considered for recording the events in the room.
- h) (01) x 10" Tabletop Touch panel is considered on the table as a user interface which delivers calendar integration, touch-to-join, instant content sharing, device control. An iPad along with a docking station is considered as a wireless touch panel control interface. A wireless access point is considered the same.
- i) (30) x AV-over-IP boxes (Type A Encoder/Transceiver, Type B Encoder, Type A Decoder / Transceiver, Type B Decoder) along with (02)x Network switch is considered in the backend to manage the audio and video routing and switching.
- n) (26)x Table button mics, (02) x Wireless Handheld Microphone (Type B), (01) x Wireless Lavalier Microphone (Type B), (01) x Wireless Lanyard Microphone, (03) x Ceiling Tile Microphone, (02)x column speakers & (10)x Ceiling speakers are considered for presentation audio, local speech and far end audio reinforcement which are powered by (03)x Type A power Amplifier.
- j) (01) x Type B Digital Signal Processor (Audio DSP) considered for AEC and managing the Audio in the room.
- k) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

7.14 Auditorium:

Stage & Audience area:

- a) The users can present content locally and remote locations from the stage. The audience will be able to view content on 1x Type A DvLED wall on the stage along with 2x Type B DvLED wall on both sides of the stage and (01)x on the control room wall. During the time of any Video Conference, the Type B video wall will be used for Multiple camera inputs (local + far end). Type A will be used for content sharing (far end + local). A Videowall processor in the backend considered creating and manage multiple contents across the Type A, B DvLED walls.

- b) Wired HDMI input sources and the Room PC in Rack will be used for local presentation and content sharing during the VC calls. For wireless, it can be achieved by using a USB C type dongle via a wireless presentation gateway.
- c) A Digital podium with a 21" interactive screen provided with Annotation features. The presenter on the stage will have a provision to present the content from the Digital Podium and annotate it at the same time.
- d) A wireless presentation Gateway with (01)x USB C type Dongles are considered the wireless-based presentation to be installed in the Podium.
- e) (02)x Type C PTZ 4K Cameras mounted on either side of the Type A DvLED on the stage to capture the audience across the auditorium and (01)x Type C PTZ camera outside the control room wall to capture the stage.
- f) A USB C cable on the Digital Podium should be used for BYOD application.
- g) 02 x wired Gooseneck Microphone on Podium, 10 x Wireless Handheld Microphones, 04 x Wireless Lavalier microphones, are considered for local audio pick up and speech reinforcement within the Auditorium. A drum kit for the stage participants considered for cultural events.
- h) 04 x ceiling mount Stage monitor speakers, (02 x ceiling mount line array set along with 02 x ceiling mount passive subwoofers, (04) x surface mount loudspeaker as Front fill speakers are considered for program audio, local speech and far end audio reinforcement in the space. The speakers are powered with (03)x Type C & (01)x Type A power amplifiers.
- i) 02 x SDI wall plates (one each on each side wall) considered in the stage area for any additional Video inputs connectivity during an event. 08x Audio Plates (Dante) considered on the stage floor for any additional XLR (I/O) requirements. 01 set Drums kit considered for this space.
- j) (39)x AV-over-IP boxes (Type A Encoder/Transceiver, Type B Encoder, Type A Decoder / Transceiver, Type B Decoder) along with (02)x Network switches are considered in the backend to manage the audio and video routing and switching.

Control Room:

- k) 03 x 22" Preview monitors along with 01 x HDMI connectivity to be used in the control desk.
- l) A codec is considered for the Video conferencing calls (IP calling) from there. A Room PC is considered with the codec for using during soft VC calls via Teams, Webex and other platforms and for BYOD (with wireless keyboard and mouse). A USB Matrix switcher has been considered for switching during BYOD applications.

- m) 01x wired Gooseneck Microphone on control room desk will be used for any announcements from the room. (01)x Type C Digital Signal Processor (Audio DSP) considered for AEC and managing the Audio in the room.
- n) A wired 10'' is considered at Control desk for routing and managing the audio/video functionality for this space. An iPad along with a docking station is considered as a wireless touch panel control interface. A wireless access point is considered the same.
- o) 01 x passive monitor speakers are provided on the wall location for audio reinforcement in the control room.
- p) A 16-port digital audio mixer is provided to shape and control the audio signals in real-time for local speech reinforcement. A headset is attached to it for Audio monitoring purposes.
- q) A Camera Switcher Type B is used to switch between multiple cameras during Live Streaming.
- r) H.264 Recording Appliance Type B considered for recording the events from the room.
- s) A wireless intercom system (existing) to be used for coordination during any event.

OB Van:

- t) A separate connectivity has been considered outside the auditorium/stage for external media connectivity. (02)x SDI Wall plate, (01)x HDMI Wall plate, & (01) XLR IP (Dante Interface) cards considered in that zone.

Green Rooms:

- u) (01)x 55'' Monitor (existing) along with (02)x ceiling speakers are considered in both the Gents & Ladies Green Rooms for Video and Audio reinforcements during an event.

7.15 22 Seat Circular Conference Room:

- a) This room has a C shape table with a seating capacity of 22 Members. In this room users can present ideas locally and to Remote Location. In this room, the audience will be able to view far end and near end participants on (01)x 86'' Monitor (existing), (02)x 75'' Wall Mount Monitors (existing) for both sides as a reinforcement display for content sharing.
- b) 03 x HDMI retractor cable connectivity from the existing Tabletop cable managers boxes will be used for local presentation and content sharing during the VC calls.

- c) 01 x USB-C connectivity is provided in one of those Tabletop cable managers for laptop connectivity for local presentation and content sharing and for getting USB Peripheral devices like Camera, Mics and Speakers during BYOD applications.
- d) A wireless presentation Gateway with 01 Dongle is considered the wireless-based presentation.
- e) A codec is considered for the Video conferencing calls (IP calling) from the space. A Room PC is considered with the codec for using during soft VC calls via Teams, Webex and other platforms and for BYOD (with wireless keyboard and mouse). A USB Matrix switcher has been considered for switching during BYOD applications.
- f) (01) x Type A PTZ Camera on the front wall considered to capture the participants
- g) (01)x 10" Tabletop Touch panel is considered on the table as a user interface which delivers calendar integration, touch-to-join, instant content sharing, device control.
- h) (12)x AV-over-IP boxes (Type A Encoder/Transceiver, Type B Encoder, Type A Decoder / Transceiver, Type B Decoder) are used in the backend to manage the audio and video routing and switching.
- i) (11) x Wired Table Button Microphones and (06) Ceiling speakers with (02)x Type A Amplifiers are considered for presentation audio, local speech and far end audio reinforcement.
- j) (01)x Type D Digital Signal Processor (Audio DSP) considered for AEC and managing the Audio in the room.
- k) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

7.16 Mini Conference Hall (Type 01):

- a) In this space, users will be able to view content on a single wall-mounted 98" Monitor via (01)x USB-C cable through one of the existing Tabletop cable managers. The cable can be also used for laptop connectivity to connect the Video bar during BYOD applications.
- b) A Room PC is considered for soft VC calls via Teams, Webex and other platforms and for BYOD (with wireless keyboard and mouse).
- c) A wireless presentation Gateway with 01 Dongle is considered the wireless-based presentation.
- d) A USB Matrix switcher has been considered for switching during BYOD applications.

- e) All in one Video bar Type A with built-in codec, camera, microphone, and speaker along with additional mics on table considered.
- f) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

7.17 Mini Conference Hall (Type 02):

- a) In this space, users will be able to view content on a single wall-mounted 98" Monitor via (01)x HDMI cable through HDMI Wall plate.
- b) A wireless presentation Gateway with 01 Dongle is considered the wireless-based presentation.
- c) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

7.18 24 Seat Conference Room:

- a) This room has a seating capacity of 24 Members. In this room users can present ideas locally and to Remote Location. The audience will be able to view far end and near end participants on (01)x 86" Monitor (existing).
- b) 01 x USB-C connectivity is provided in one of those Tabletop cable managers for laptop connectivity for local presentation and content sharing and for getting USB Peripheral devices like Camera, Mics and Speakers during BYOD applications.
- c) A wireless presentation Gateway with 02 Dongle is considered the wireless-based presentation.
- d) A Room PC is considered for soft VC calls via Teams, Webex and other platforms and for BYOD (with wireless keyboard and mouse).
- e) All in one Video bar Type A with built-in codec, camera, microphone, and speaker along with additional mics on table is considered for video conferencing.
- f) (01) x 10" Tabletop Touch panel is considered on the table as a user interface which delivers calendar integration, touch-to-join, instant content sharing, device control.
- g) The existing 10" Room scheduler will be connected in a centralized device monitor software for room bookings and scheduling.

7.19 Research Area (8–13-Seater):

- a) In this space, users will be able to view content on a single trolley mounted 55" Monitor (existing) via (01)x USB-C cable. The cable can be also used for laptop connectivity to connect the Video bar during BYOD applications.
- b) A wireless presentation Gateway with 01 Dongle is considered for the wireless-based presentation.
- c) A USB Matrix switcher has been considered for switching during BYOD applications.
- d) All in one Video bar Type B with built-in codec, camera, microphone, and speaker along with additional mics on table is considered for video conferencing.

7.20 Discussion Room:

- a) In this space, users will be able to view wired content on a single trolley mounted 55" Monitor (existing).

SECTION 8 – ROOMWISE BOQ FOR AUDIO VISUAL SYSTEM

Sl.No	Room Description	Learning Center						Audi	ED Hostel Block	QTY	Remarks
		GF	1F	2F	3F	4F	5F				
1	40 Seats Classroom (Hybrid)	1					2			3	Udayan, Radhakrishnan Kaksha, Maitreyee Kaksha
2	40 Seats Classroom (Non-Hybrid)				2	2				4	Rabindranath Kaksha, Vidyasagar Kaksha, APJ Abdul Kalam Kaksha, Aryabhatta Kaksha
3	52 Seats Boardroom	1								1	Pushpagiri
4	Auditorium							1		1	Anandalok
5	22 Seat Circular Conference Room	1								1	Odantapuri
6	Mini Conference Hall (Type 01)		1							1	R K Talwar
7	Mini Conference Hall (Type 02)		1		1	1	2			5	John Mathai, Tadoba, Jim Corbett, Saranda, Betla
8	24 Seat Conference Room								1	1	Vallabhi
9	Research Area (8-13 Seater)			2						2	Research
10	Discussion Room					6				6	Buxa, Mudumalai, Annamalai, Simlipal, Jaldapara, Bandhabgarh

INDICATIVE ROOMWISE BOQ FOR 40 SEATS CLASSROOM (HYBRID)

Item No.	Description	Unit	Estimated Qty
<i>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</i>			
A - Audio System			
A-1	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type B as per tender specifications Item no #A-25	Nos.	1
A-2	SITC of Digital Wireless Microphone with Lanyard as per tender specifications Item no #A-2	Nos.	1
A-3	SITC of Digital Wireless Handheld Microphone with Transmitter Type B as per tender specifications Item no #A-24	Nos.	2
A-4	SITC of Digital Quad Channel True Diversity Receiver Type B as per tender specifications Item no #A-8	Nos.	1
A-5	SITC of Digital Signal Processor Type A as per tender specifications Item no #A-3	Nos.	1
A-6	SITC of Network Power Amplifier Type A as per tender specifications Item no #A-12	Nos.	1
A-7	SITC of Ceiling Loudspeakers as per tender specifications Item no #A-15	Nos.	6
B - Video System			
B-1	SITC of 75" LED back-lit Monitor (Existing)	Nos.	1
B-2	SITC of Direct View LED Display Type C as per tender specifications Item no #B-3	Nos.	1
B-3	SITC Tablet Display as per tender specifications Item no #B-29	Nos.	1
B-4	SITC of AV over IP Encoder/Transceiver Type A as per tender specifications Item no #B-14	Nos.	2
B-5	SITC of AV over IP Encoder Type B as per tender specifications Item no #B-15	Nos.	4

B-6	SITC of AV over IP Decoder/Transceiver Type A as per tender specifications Item no #B-16	Nos.	8
B-7	SITC of AV over IP Decoder Type B as per tender specifications Item no #B-17	Nos.	2
B-8	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
B-9	SITC of PTZ Camera Type-A as per tender specifications Item no #B-22	Nos.	2
B-10	SITC of PTZ Camera Type-B as per tender specifications Item no #B-23	Nos.	1
B-11	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
B-12	SITC of Video Conferencing Codec as per tender specifications Item no #B-21	Nos.	1
B-13	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B-14	SITC of Annotation Processor as per tender specifications Item no #B-26	Nos.	1
B-15	SITC of H.264 Recording Appliance Type A as per tender specifications Item no #B-19	Nos.	1
B-16	SITC of Multiwindow Processor as per tender specifications Item no #B-7	Nos.	1
C- Control System			
C-1	SITC of Control Processor as per tender specifications Item no #C-1	Nos.	1
C-2	SITC of Table Top Wired Touch Panel as per tender specifications Item no #C-2	Nos.	1
C-3	<i>SITC of Room Scheduler Touch Panel (Existing)</i>	Nos.	1

D - Installation Hardware			
D-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	19
D-2	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	2
D-3	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	3
D-4	SITC of 6' USB 3.0 A-B Cable as per tender specifications Item no #D-4	Nos.	2
D-5	SITC of Wireless Access Point as per tender specifications Item no #D-12	Nos.	1
D-6	SITC of AV Equipment Rack as per tender specifications Item no #D-7	Nos.	1
D-7	SITC of Speaker Cable (2.5 sq.mm) as per tender specifications Item no #D-8	Mtrs	176
D-8	SITC of Control and Microphone/Audio Cable as per tender specifications Item no #D-9	Mtrs	12
D-9	SITC of U/L Listed Connectors as per tender specifications Item no #D-10	LOT	1
D-10	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtrs	516
D-11	SITC of AV Lectern as per tender specifications Item no #D-14	Nos	1
D-12	SITC of Switched Rack PDU as per tender specifications Item no #D-19	Nos	1
D-13	SITC of USB-C Faceplate as per tender specifications Item no #D-5	Nos	1
D-14	SITC of 48 Port Network POE+ Switch as per tender specifications Item no #D-6	Nos	1

D-15	Floor Box (By Client)	Nos	1
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INDICATIVE ROOMWISE BOQ FOR 40 SEATS CLASSROOM (NON-HYBRID)

Item No.	Description	Unit	Estimated Qty
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>			
A - Audio System			
A-1	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type B as per tender specifications Item no #A-25	Nos.	1
A-2	SITC of Digital Wireless Microphone with Lanyard as per tender specifications Item no #A-2	Nos.	1
A-3	SITC of Digital Wireless Handheld Microphone with Transmitter Type B as per tender specifications Item no #A-24	Nos.	2
A-4	SITC of Digital Quad Channel True Diversity Receiver Type B as per tender specifications Item no #A-8	Nos.	1
A-5	SITC of Digital Signal Processor Type A as per tender specifications Item no #A-3	Nos.	1
A-6	SITC of Network Power Amplifier Type A as per tender specifications Item no #A-12	Nos.	1
A-7	SITC of Ceiling Loudspeakers as per tender specifications Item no #A-15	Nos.	6
B - Video System			
B-1	SITC of Direct View LED Display Type C as per tender specifications Item no #B-3	Nos.	1
B-2	SITC Tablet Display as per tender specifications Item no #B-29	Nos.	1
B-3	SITC of AV over IP Encoder/Transceiver Type A as per tender specifications Item no #B-14	Nos.	1
B-4	SITC of AV over IP Encoder Type B as per tender specifications Item no #B-15	Nos.	1

B-5	SITC of AV over IP Decoder/Transceiver Type A as per tender specifications Item no #B-16	Nos.	2
B-6	SITC of AV over IP Decoder Type B as per tender specifications Item no #B-17	Nos.	2
B-7	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
B-8	SITC of PTZ Camera Type-B as per tender specifications Item no #B-23	Nos.	1
B-9	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
B-10	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B-11	SITC of Annotation Processor as per tender specifications Item no #B-26	Nos.	1
B-12	SITC of H.264 Recording Appliance Type A as per tender specifications Item no #B-19	Nos.	1
C- Control System			
C-1	SITC of Control Processor as per tender specifications Item no #C-1	Nos.	1
C-2	SITC of Table Top Wired Touch Panel as per tender specifications Item no #C-2	Nos.	1
C-3	<i>SITC of Room Scheduler Touch Panel (Existing)</i>	<i>Nos.</i>	<i>1</i>
D - Installation Hardware			
D-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	9
D-2	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	2
D-3	SITC of 6' USB 3.0 A-B Cable as per tender specifications Item no #D-4	Nos.	1

D-4	SITC of Wireless Access Point as per tender specifications Item no #D-12	Nos.	1
D-5	SITC of AV Equipment Rack as per tender specifications Item no #D-7	Nos.	1
D-6	SITC of Speaker Cable (2.5 sq.mm) as per tender specifications Item no #D-8	Mtrs	176
D-7	SITC of Control and Microphone/Audio Cable as per tender specifications Item no #D-9	Mtrs	5
D-8	SITC of U/L Listed Connectors as per tender specifications Item no #D-10	LOT	1
D-9	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtrs	260
D-10	SITC of AV Lectern as per tender specifications Item no #D-14	Nos	1
D-11	SITC of Switched Rack PDU as per tender specifications Item no #D-19	Nos	1
D-12	SITC of USB-C Faceplate as per tender specifications Item no #D-5	Nos	1
D-13	SITC of 48 Port Network POE+ Switch as per tender specifications Item no #D-6	Nos	1
D-14	<i>Floor Box (By Client)</i>	Nos	1

INDICATIVE ROOMWISE BOQ FOR 52 SEATS BOARD ROOM

Item No.	Description	Unit	Estimated Qty
<i>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</i>			
A - Audio System			
A-1	SITC of Ceiling Tile Mics as per tender specifications Item no #A-22	Nos.	3
A-2	SITC of Wired Table Button Mics as per tender specifications Item no #A-1	Nos.	26
A-3	SITC of Digital Signal Processor Type B as per tender specifications Item no #A-5	Nos.	1
A-4	SITC of Network Power Amplifier Type A as per tender specifications Item no #A-12	Nos.	3
A-5	SITC of Ceiling Loudspeakers as per tender specifications Item no #A-15	Nos.	10
A-6	SITC of Powered Column Speakers as per tender specifications Item no #A-17	Nos.	2
A-7	SITC of Digital Wireless Handheld Microphone with Transmitter Type B as per tender specifications Item no #A-24	Nos.	2
A-8	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type B as per tender specifications Item no #A-25	Nos.	1
A-9	SITC of Digital Wireless Microphone with Lanyard as per tender specifications Item no #A-2	Nos.	1
A-10	SITC of Digital Quad Channel True Diversity Receiver Type B as per tender specifications Item no #A-8	Nos.	1
B - Video System			
B-1	SITC of 65" LED back-lit Monitor (Existing)	Nos.	2
B-2	SITC of Direct View LED Display Type D as per tender specifications Item no #B-4	Nos.	2

B-3	SITC of Retractable Monitor as per tender specifications Item no #B-6	Nos.	7
B-4	SITC of AV over IP Encoder/Transceiver Type A as per tender specifications Item no #B-14	Nos.	2
B-5	SITC of AV over IP Encoder Type B as per tender specifications Item no #B-15	Nos.	9
B-6	SITC of AV over IP Decoder/Transceiver Type A as per tender specifications Item no #B-16	Nos.	16
B-7	SITC of AV over IP Decoder Type B as per tender specifications Item no #B-17	Nos.	3
B-8	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
B-9	SITC of PTZ Camera Type-A as per tender specifications Item no #B-22	Nos.	3
B-10	SITC of PTZ Camera Type-B as per tender specifications Item no #B-23	Nos.	1
B-11	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
B-12	SITC of Video Conferencing Codec as per tender specifications Item no #B-21	Nos.	1
B-13	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B-14	SITC of Camera Switcher Type A as per tender specifications Item no #B-27	Nos.	1
B-15	SITC of H.264 Recording Appliance Type A as per tender specifications Item no #B-19	Nos.	1
B-16	SITC of Multiwindow Processor as per tender specifications Item no #B-7	Nos.	1
C- Control System			
C-1	SITC of Control Processor as per tender specifications Item no #C-1	Nos.	1

C-2	SITC of Touch Interactive Display as per tender specifications Item no #C-6	Nos.	1
C-3	SITC of Security Mount for Touch Interactive Display as per tender specifications Item no #C-7	Nos.	1
C-4	SITC of Table Top Wired Touch Panel as per tender specifications Item no #C-2	Nos.	1
C-5	SITC of Wireless Mobile Charger as per tender specifications Item no #C-8	Nos.	7
C-6	SITC of Logic I/O Expander as per tender specifications Item no #C-9	Nos.	6
C-7	<i>SITC of Room Scheduler Touch Panel (Existing)</i>	Nos.	1
D - Installation Hardware			
D-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	24
D-2	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	3
D-3	SITC of 6' USB 3.0 A-B Cable as per tender specifications Item no #D-4	Nos.	1
D-4	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	1
D-5	SITC of Wireless Access Point as per tender specifications Item no #D-12	Nos.	1
D-6	SITC of AV Equipment Rack as per tender specifications Item no #D-7	Nos.	1
D-7	SITC of Speaker Cable (2.5 sq.mm) as per tender specifications Item no #D-8	Mtrs	221
D-8	SITC of Control and Microphone/Audio Cable as per tender specifications Item no #D-9	Mtrs	598

D-9	SITC of U/L Listed Connectors as per tender specifications Item no #D-10	LOT	1
D-10	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtrs	793
D-11	SITC of Switched Rack PDU as per tender specifications Item no #D-19	Nos	1
D-12	SITC of 48 Port Network POE+ Switch as per tender specifications Item no #D-6	Nos	2
D-13	SITC of Flitop Box with Retractable cable (Existing)	Nos	7

INDICATIVE ROOMWISE BOQ FOR AUDITORIUM

Item No.	Description	Unit	Estimated Qty
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>			
A - Audio System			
A-1	SITC of Digital Wireless Handheld Microphone with Transmitter Type A as per tender specifications Item no #A-6	Nos.	10
A-2	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type A as per tender specifications Item no #A-7	Nos.	4
A-3	SITC of Gooseneck Microphone as per tender specifications Item no #A-4	Nos.	3
A-4	SITC of Audio Mixer as per tender specifications Item no #A-26	Nos.	1
A-5	SITC of Headset as per tender specifications Item no #A-28	Nos.	1
A-6	SITC of Network Power Amplifier Type C as per tender specifications Item no #A-14	Nos.	3
A-7	SITC of Network Power Amplifier Type A as per tender specifications Item no #A-12	Nos.	1

A-8	SITC of Wideband Antenna as per tender specifications Item no #A-9	Nos.	2
A-9	SITC of Digital Quad True Diversity Receiver with Wideband Antenna Splitter Type A as per tender specifications Item no #A- 10	KIT	1
A-10	SITC of Digital Signal Processor Type C as per tender specifications Item no #A-13	Nos.	1
A-11	SITC of Passive Front Fill Speaker as per tender specifications Item no #A-20	Nos.	4
A-12	SITC of Stage Monitor Speaker as per tender specifications Item no #A-21	Nos.	4
A-13	SITC of Control Room Speakers as per tender specifications Item no #A-16	Nos.	1
A-14	SITC of Passive Left & Right Line Array Speakers as per tender specifications Item no #A-18	SET	2
A-15	SITC of Passive Subwoofer as per tender specifications Item no #A-19	Nos.	2
A-16	SITC of Ceiling Loudspeakers as per tender specifications	Nos.	4
A-17	<i>SITC of Talkback system (Existing)</i>	SET	1
A-18	SITC of Drum Kit as per tender specifications Item no #A-27	SET	1
A-19	SITC of Network Audio Wall Plate as per tender specifications Item no #A-11	Nos	12
B - Video System			
B-1	SITC of Direct View LED Display Type A as per tender specifications Item no #B-1	Nos.	1
B-2	SITC of Direct View LED Display Type B as per tender specifications Item no #B-2	Nos.	3
B-3	<i>SITC of 55" LED back-lit Monitor (Existing)</i>	Nos.	2

B-4	SITC 22" Monitor as per tender specifications Item no #B-12	Nos.	3
B-5	SITC Tablet Display as per tender specifications Item no #B-29	Nos.	1
B-6	SITC of AV over IP Encoder/Transceiver Type A as per tender specifications Item no #B-14	Nos.	10
B-7	SITC of AV over IP Encoder Type B as per tender specifications Item no #B-15	Nos.	3
B-8	SITC of AV over IP Decoder/Transceiver Type A as per tender specifications Item no #B-16	Nos.	18
B-9	SITC of AV over IP Decoder Type B as per tender specifications Item no #B-17	Nos.	6
B-10	SITC of Wallplate Type Encoder as per tender specifications Item no #B-8	Nos.	2
B-11	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
B-12	SITC of High End PC as per tender specifications Item no #B-10	Nos.	1
B-13	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B-14	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
B-15	SITC of Annotation Processor as per tender specifications Item no #B-26	Nos.	1
B-16	SITC of Video Conferencing Codec as per tender specifications Item no #B-21	Nos.	1
B-17	SITC of Camera Switcher Type B as per tender specifications Item no #B-28	Nos.	1
B-18	SITC of PTZ Camera Type-C as per tender specifications Item no #B-24	Nos.	3

B-19	SITC of Recording Appliance Type B as per tender specifications Item no #B-20	Nos.	1
B-20	SITC of Multiwindow Processor as per tender specifications Item no #B-7	Nos.	2
C- Control System			
C-1	SITC of Control Processor as per tender specifications Item no #C-1	Nos.	1
C-2	SITC of Touch Interactive Display as per tender specifications Item no #C-6	Nos.	2
C-3	SITC of Security Mount for Touch Interactive Display as per tender specifications Item no #C-7	Nos.	1
C-4	SITC of Table Top Wired Touch Panel as per tender specifications Item no #C-2	Nos.	1
C-5	SITC of Lighting Dimmer as per tender specifications Item no #C- 3	Nos.	1
C-6	SITC of Button Panel as per tender specifications Item no #C-4	Nos.	1
C-7	SITC of Presentation Remote as per tender specifications Item no #C-5	Nos.	1
D - Installation Hardware			
D-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	40
D-2	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	5
D-3	SITC of 6' USB 3.0 A-B Cable as per tender specifications Item no #D-4	Nos.	2
D-4	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	2
D-5	SITC of AV Equipment Rack as per tender specifications Item no #D-7	Nos.	2

D-6	SITC of Wireless Access Point as per tender specifications Item no #D-12	EA	1
D-7	SITC of Speaker Cable (2.5 sq.mm) as per tender specifications Item no #D-8	Mtrs	676
D-8	SITC of Control and Microphone/Audio Cable as per tender specifications Item no #D-9	Mtrs	94
D-9	SITC of U/L Listed Connectors as per tender specifications Item no #D-10	LOT	1
D-10	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtrs	949
D-11	SITC of AV Lectern as per tender specifications Item no #D-14	Nos	1
D-12	SITC of Switched Rack PDU as per tender specifications Item no #D-19	Nos	2
D-13	SITC of IR Probe as per tender specifications Item no #D-13	Nos	1
D-14	<i>SITC of Floor Box with minimum 15 x Power ports, 02 x Data ports, 10 x I/O ports, as per tender specifications (Client Scope)</i>	Nos	4
D-15	<i>SITC of Floor Box with minimum 01 x XLR I/O port as per tender specifications (Client scope)</i>	Nos	8
D-16	SITC of USB-C Faceplate as per tender specifications Item no #D-5	Nos	1
D-17	SITC of SDI Wallplate as per tender specifications Item no #D-15	Nos	4
D-18	SITC of SDI to HDMI Bi Directional Converter as per tender specifications Item no #D-21	Nos	4
D-19	SITC of 48 Port Network POE+ Switch as per tender specifications Item no #D-6	Nos	2
E - Lighting system			
E-1	SITC of Light fixture (Type-A) as per tender specifications Item no #E-1	Nos.	115

E-2	SITC of Light fixture (Type-B) as per tender specifications Item no #E-2	Nos.	5
E-3	SITC of Light fixture (Type-C) as per tender specifications Item no #E-3	Mtrs	30
E-4	SITC of Light fixture Hardware as per tender specifications Item no #E-4	Mtrs	14

INDICATIVE ROOMWISE BOQ FOR 22 SEATS CIRCULAR CONF. ROOM

Item No.	Description	Unit	Estimated Qty
<i>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</i>			
A - Audio System			
A-1	SITC of Wired Table Button Mics as per tender specifications Item no #A-1	Nos.	11
A-2	SITC of Digital Signal Processor Type D as per tender specifications Item no #A-23	Nos.	1
A-3	SITC of Network Power Amplifier Type A as per tender specifications Item no #A-12	Nos.	2
A-4	SITC of Ceiling Loudspeakers as per tender specifications Item no #A-15	Nos.	6
B - Video System			
B-1	SITC of 86" LED back-lit Monitor (Existing)	Nos.	1
B-2	SITC of 75" LED back-lit Monitor (Existing)	Nos.	2
B-3	SITC of AV over IP Encoder/Transceiver Type A as per tender specifications Item no #B-14	Nos.	1
B-4	SITC of AV over IP Encoder Type B as per tender specifications Item no #B-15	Nos.	5
B-5	SITC of AV over IP Decoder/Transceiver Type A as per tender specifications Item no #B-16	Nos.	6

B-6	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
B-7	SITC of PTZ Camera Type-A as per tender specifications Item no #B-22	Nos.	1
B-8	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
B-9	SITC of Video Conferencing Codec as per tender specifications Item no #B-21	Nos.	1
B-10	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
C- Control System			
C-1	SITC of Control Processor as per tender specifications Item no #C-1	Nos.	1
C-2	SITC of Table Top Wired Touch Panel as per tender specifications Item no #C-2	Nos.	1
C-3	SITC of Logic I/O Expander as per tender specifications Item no #C-9	Nos.	3
C-4	SITC of Room Scheduler Touch Panel (Existing)	Nos.	1
D - Installation Hardware			
D-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	10
D-2	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	3
D-3	SITC of 6' USB 3.0 A-B Cable as per tender specifications Item no #D-4	Nos.	1
D-4	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	1
D-5	SITC of AV Equipment Rack as per tender specifications Item no #D-7	Nos.	1

D-6	SITC of Speaker Cable (2.5 sq.mm) as per tender specifications Item no #D-8	Mtrs	234
D-7	SITC of Control and Microphone/Audio Cable as per tender specifications Item no #D-9	Mtrs	473
D-8	SITC of U/L Listed Connectors as per tender specifications Item no #D-10	LOT	1
D-9	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtrs	425
D-10	<i>SITC of Fliptop Box with Retractable cable (Existing)</i>	Nos	3
D-11	SITC of Switched Rack PDU as per tender specifications Item no #D-19	Nos	1
D-12	SITC of 48 Port Network POE+ Switch as per tender specifications Item no #D-6	Nos	1

INDICATIVE ROOMWISE BOQ FOR MINI CONFERENCE HALL (TYPE 01)

Item No.	Description	Unit	Estimated Qty
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>			
A - Video System			
A-1	SITC of 98" LED back-lit Monitor as per tender specifications Item no #B-5	Nos.	1
A-2	SITC of All in one Video Bar Type A as per tender specifications Item no #B-11	Nos.	1
A-3	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
A-4	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
A-5	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1

B- Control System			
B-1	SITC of Room Scheduler Touch Panel (Existing)	Nos.	1
C - Installation Hardware			
C-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	3
C-2	SITC of 30' HDMI Cable as per tender specifications Item no #D-2	Nos.	1
C-3	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	1
C-4	SITC of 30' USB 3.0 A-C cable as per tender specifications Item no #D-17	Nos.	1
C-5	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	1
C-6	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtr	40
C-7	SITC of Fliptop Box (Existing)	Nos	1

INDICATIVE ROOMWISE BOQ FOR MINI CONFERENCE HALL (TYPE 02)

Item No.	Description	Unit	Estimated Qty
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>			
A - Video System			
A-1	SITC of 98" LED back-lit Monitor as per tender specifications Item no #B-5	Nos.	1
A-2	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1

B- Control System			
B-1	SITC of Room Scheduler Touch Panel (Existing)	Nos.	1
C - Installation Hardware			
C-1	SITC of HDMI Wallplate as per tender specifications Item no #D-20	Nos.	1
C-2	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	2
C-3	SITC of 30' HDMI Cable as per tender specifications Item no #D-2	Nos.	1

INDICATIVE ROOMWISE BOQ FOR 24 Seat Conference Room

Item No.	Description	Unit	Estimated Qty
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>			
A - Video System			
A-1	SITC of 86" LED back-lit Monitor (Existing)	Nos.	1
A-2	SITC of All in one Video Bar Type A as per tender specifications Item no #B-11	Nos.	1
A-3	SITC of Room PC as per tender specifications Item no #B-9	Nos.	1
A-4	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
A-5	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B- Control System			

B-1	SITC of Room Scheduler Touch Panel (Existing)	Nos.	1
C - Installation Hardware			
C-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	3
C-2	SITC of 30' HDMI Cable as per tender specifications Item no #D-2	Nos.	1
C-3	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	1
C-4	SITC of 30' USB 3.0 A-C cable as per tender specifications Item no #D-17	Nos.	1
C-5	SITC of 6' USB 3.0 C-C Cable as per tender specifications Item no #D-16	Nos.	1
C-6	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mtr	47
C-7	SITC of Fliptop Box (Existing)	Nos	1

INDICATIVE ROOMWISE BOQ FOR RESEARCH AREA (8-13 SEATER)

Item No.	Description	Unit	Estimated Qty
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>			
A - Video System			
A-1	SITC of 55" LED back-lit Monitor (Existing)	Nos.	1
A-2	SITC of Trolley Mount as per tender specifications Item no #B-13	Nos.	1
A-3	SITC of All in one Video Bar Type B as per tender specifications Item no #B-25	Nos.	1

A-4	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	Nos.	1
A-5	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B - Installation Hardware			
B-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	2
B-2	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	Nos.	1
B-3	SITC of 15' USB 3.0 C-C cable as per tender specifications Item no #D-18	Nos.	1

INDICATIVE ROOMWISE BOQ FOR DISCUSSION ROOM

Item No.	Description	Unit	Estimated Qty
<i>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</i>			
A - Video System			
A-1	SITC of 55" LED back-lit Monitor (Existing)	Nos.	1
A-2	SITC of Trolley Mount as per tender specifications Item no #B-13	Nos.	1
A-3	SITC of Wireless Presentation System as per tender specifications Item no #B-30	Nos.	1
B - Installation Hardware			
B-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	Nos.	1
B-2	SITC of 15' HDMI Cable as per tender specifications Item no #D-22	Nos.	1

9 – SPECIFICATIONS FOR AUDIO VISUAL SYSTEM

Schedule of Quantities						
Item No.	Item Description	Make/Model	Unit	Quantity	Rate exclusive of taxes in Figures (Rs.)	Amount (Rs.)
I	Supply, Installation, Testing and Commissioning(SITC) Works					
A - Audio System						
A-1	SITC of Wired Table Button Mics	Shure or Sennheiser or Audio Technica	Nos.	37	₹ 25,449	₹ 9,41,625
A-1.1	Button mic with programable Switch					
A-1.2	Should have cardioid polar pattern or better					
A-1.3	Should have frequency response of 50 Hz – 17 kHz or better					
A-1.4	The Mic should have configurable LED ring to indicate mic mute/unmute status					
A-1.5	Should have Logic I/O ports to work with control system specified in line item C-1, C-7 to give the feedback on the LED ring and recall the camera presets.					
A-1.6	Should have provision for table mounting					
A-1.7	Should include necessary mounting accessories to complete the connectivity					

A-2	SITC of Digital Wireless Microphone with Lanyard					
A - 2.1	Should include bodypack transmitter, lavalier microphone (if required)	Shure or Sennheiser or Audio Technica	No s.	8	₹ 60,836	₹ 4,86,684
A - 2.2	Operating Principle: True Diversity UHF or DECT or Automatic frequency or Adaptive frequency management					
A - 2.3	Modulation: RF					
A - 2.4	Minimum pre-programmed Selectable Frequencies per Band : 16					
A - 2.5	Polar Pattern: Cardioid or Omni-directional					
A - 2.6	Reliable wireless coverage extends up to 50 meters or better					
A - 2.7	Should include necessary rechargeable batteries with minimum back-up of 8hrs					
A - 2.8	Should include lanyard					
A - 2.9	Should include AES 256-bit Encryption					
A-3	SITC of Digital Signal Processor Type A					
A - 3.1	Rack mountable and feature software-configurable signal processing, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools	Bose or Xilica or Biamp	No.	7	₹ 3,00,000	₹ 21,00,000
A - 3.2	Audio DSP should support each microphone for the number of AEC inputs					
A - 3.3	Audio DSP should have minimum (06) independent software/hardware AEC (Acoustic Echo cancellation) inputs					
A - 3.4	Audio DSP should have minimum (06) Analog Inputs and (04) Analog outputs					
A - 3.5	Audio DSP should support minimum 64 x 64 Dante channels					
A - 3.6	All microphone inputs including ones coming over Dante should have AEC					
A - 3.7	Audio DSP should support both input & output channels for routing USB audio					
A - 3.8	Communication & Control port: Ethernet/RS232					

A - 3.9	FCC & RoHS compliant					
A - 3.10	Should support DANTE/AVB/AES67 for communication with line item #A-8					
A-4	SITC of Gooseneck Microphone					
A - 4.1	Gooseneck Length: 18" or better	Shure or Sennheiser or Audio Technica	No s.	3	23,600	70,800
A - 4.2	Polar Pattern: Hyper Cardioid/ Cardioid / Super Cardioid					
A - 4.3	RFI Shielding: Yes					
A - 4.4	S/N Ratio: 94 dBA or better					
A - 4.5	Max SPL for 1% THD: 117 dB or better					
A - 4.6	Frequency Response: 50Hz to 17kHz or better					
A - 4.7	LED Indication: Yes					
A - 4.8	Should include mounting accessories for podium/lectern					
A-5	SITC of Digital Signal Processor Type B					
A - 5.1	Rack mountable and feature software-configurable signal processing, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools	Bose or Xilica or Biamp	No s.	1	₹ 4,00,000	₹ 4,00,000
A - 5.2	Audio DSP should support each microphone for the number of AEC inputs					
A - 5.3	Audio DSP should have minimum (32) independent software/hardware AEC (Acoustic Echo cancellation) inputs					
A - 5.4	Audio DSP should have minimum (06) Analog Inputs and (04) Analog outputs					
A - 5.5	Audio DSP should support minimum 64 x 64 Dante channels					
A - 5.6	All microphone inputs including ones coming over Dante should have AEC					
A - 5.7	Audio DSP should support both input & output channels for routing USB audio					
A - 5.8	Communication & Control port: Ethernet/RS232					

A - 5.9	FCC & RoHS compliant					
A - 5.10	Should support DANTE/AVB/AES67 for communication with line item #A-1					
A-6	SITC of Digital Wireless Handheld Microphone with Transmitter Type A					
A - 6.1	Should include handheld transmitter	Shure or Sennheiser or Audio Technica	No.	10	₹ 44,910	₹ 4,49,101
A - 6.2	Operating Principle: True Diversity UHF or DECT or Automatic frequency or Adaptive frequency management					
A - 6.3	Modulation: RF					
A - 6.4	Dynamic range -134 dB					
A - 6.5	Transducer type -Dynamic					
A - 6.6	Polar Pattern: Cardioid or Super Cardioid					
A - 6.7	Reliable wireless coverage extends up to 80 meters					
A - 6.8	Should include necessary rechargeable batteries with minimum back-up of 8hrs					
A - 6.9	Latency - 1.9 ms					
A-7	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type A					
A - 7.1	Should include bodypack transmitter, lavalier microphone and antenna system (If required to extend the signal)	Shure or Sennheiser or Audio Technica	No s.	4	₹ 44,401	₹ 1,77,605
A - 7.2	Operating Principle: True Diversity UHF or DECT or Automatic frequency or Adaptive frequency management					
A - 7.3	Modulation: RF					
A - 7.4	Dynamic range -134 dB					
A - 7.5	Polar Pattern: Cardioid or Omni-directional					
A - 7.6	Reliable wireless coverage extends up to 80 meters					
A - 7.7	Should include necessary rechargeable batteries with minimum back-up of 8hrs					
A - 7.8	Latency - 1.9 ms					

A-8	SITC of Digital Quad True Diversity Receiver Type B					
A-8.1	Digital Quad channel Wireless Receiver should be of high-quality digital audio transmission, operate in the 1.8 - 2.4 GHz band, and support low-latency communication	Shure or Sennheiser or Audio Technica	No s.	8	₹ 1,31,125	₹ 10,48,996
A-8.2	Automatic frequency or Adaptive frequency management					
A-8.3	Should support audio quality of 24-bit / 48kHz					
A-8.4	Power - PoE					
A-8.5	Should support Dante connectivity					
A-8.6	Should contain necessary OEM recommended cables to connect back the receivers units					
A-8.7	Should be supported by respective OEM Software Management					
A-8.8	Should support Network protocol Media Control Protocol, UDP IPv4 (DHCP, Manual)/IPv6, mDNS (switchable)					
A-9	SITC of Wideband Antenna					
A-9.1	Coverage angle to cover entire room	Shure or Sennheiser or Audio Technica	No s.	2	₹ 28,110	₹ 56,221
A-9.2	Built-in amplifier to compensate for long cable runs					
A-9.3	Connector type: BNC					
A-9.4	Manufacturer recommended cables to connect back to splitter/receivers specified in item # A-10					
A-9.5	The color of the antenna shall be decided at the time of ordering as per the instruction of Engineer in charge					
A-10	SITC of Digital Quad True Diversity Receiver with Wideband Antenna Splitter Type A					
A-10.1	Digital Four-channel UHF true diversity receiver	Shure or Sennheiser or Audio Technica	KIT	1	3,00,000	3,00,000
A-10.2	Should provide wide band antenna splitter compatible to the receivers with looping (if applicable)					
A-10.3	Should include charging station/dock with power supply which charges connected transmitters					

A-10.4	Should support Dante					
A-10.5	Status display (battery, transmitter type, microphone capsule) and encrypted data transmission					
A-10.6	XLR & jack outputs					
A-10.7	BNC Inputs or Outputs					
A-10.8	Manufacturer recommended cables to connect back to built-in splitter					
A-10.9	Adjustable RF level settings (through switch or other means)					
A-10.10	Ethernet connectivity (IPv4 and IPv6)					
A-11	SITC of Network Audio Wall Plate					
A-11.1	Network Dante Audio wallplate	Extron or Audinate or Biamp	No.	12	₹ 50,000	₹ 6,00,000
A-11.2	Should provide phantom power upto +48V for each input channel					
A-11.3	Input type - Balanced 3-pin line level, -38 dBV / +20 dBu nominal input levels					
A-11.4	Output type - Balanced 3-pin line level, upto +20 dBu nominal output levels					
A-11.5	Should support Balanced mono/stereo analog outputs for interfacing to both professional and consumer audio equipment					
A-11.6	Should support USB/LAN connection for simple setup prior to installation and firmware update					
A-11.7	All inputs and outputs can be used simultaneously					
A-11.8	The color of the wall plate shall be decided at the time of ordering as per the instruction of Engineer in charge					
A-11.9	Should support DANTE or AVB or AES67 for communication specified in item #A-4, A-29					
A-11.10	FCC & CE compliant					
A-12	SITC of Network Power Amplifier Type A		No s.	13	₹ 2,03,871	₹ 26,50,324

A-12.1	Should be DANTE digital network power amplifier	Bose or Fohnn or Biamp				
A-12.2	Total Number of channels: 4 channels					
A-12.3	Power @ 4/8 ohms : minimum 100W per channel					
A-12.4	THD: <0.05%					
A-12.5	SNR (A-weighted) : > 100dB					
A-12.6	Should support DANTE for communication with Digital Signal Processor					
A-13	SITC of Digital Signal Processor Type C					
A-13.1	Rack mountable and feature software-configurable signal processing, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools	Bose or Xilica or Biamp	No s.	1	₹ 4,00,000	₹ 4,00,000
A-13.2	Audio DSP should support each microphone for the number of AEC inputs					
A-13.3	Audio DSP should have minimum (36) independent software/hardware AEC (Acoustic Echo cancellation) inputs					
A-13.4	Audio DSP should have minimum (06) Analog Inputs and (04) Analog outputs					
A-13.5	Audio DSP should support minimum 64 x 64 Dante channels					
A-13.6	All microphone inputs including ones coming over Dante should have AEC					
A-13.7	Audio DSP should support both input & output channels for routing USB audio					
A-13.8	Communication & Control port: Ethernet/RS232					
A-13.9	FCC & RoHS compliant					
A-13.10	Should support DANTE/AVB/AES67 for communication specified in item #A-10,A-11, A-26, A-27					
A-14	SITC of Network Power Amplifier Type C		No s.	3	₹ 4,00,000	₹ 12,00,000

A-14.1	Should be DANTE or AVB digital network power amplifier	Bose or D&B Audio Technik or Martin Audio				
A-14.2	Total Number of channels: 4 or 8 channels					
A-14.3	Total Wattage: 4000 or More					
A-14.4	THD: <0.4%					
A-14.5	SNR (A-weighted) : > 100dB					
A-14.6	Should support DANTE or AVB for communication with Digital Signal Processor					
A-14.7	Qty. of amplifier to be considered as per the requirement for line item A-18,A-19,A-20 & A-21					
A-14.8	The amplifier should have 30 percent or more of headroom than the speaker load					
A-15	SITC of Ceiling Loudspeakers	Bose or Fohnn or Biamp	No s.	62	₹ 8,582	₹ 5,32,069
A-15.1	Type: Full Range or 2-way					
A-15.2	Should have minimum 4.25" woofer (LF driver) or better					
A-15.3	Minimum Efficiency/ Sensitivity : 88 dB SPL or better					
A-15.4	Frequency Response (-10dB): 90 Hz - 17 KHz or better					
A-15.5	Power Handling: Low-Z, continuous 40W continuous @ 8 Ohms/70V/100V or better					
A-15.6	Nominal Dispersion: not more than 148 degrees conical					
A-15.7	OEM approved ceiling mechanism for loudspeaker installation					
A-15.8	Should be of the same OEM as that of line item #A-12					
A-15.9	The Color of the loudspeaker shall be decided at the time of ordering as per the instructions of Engineer In charge.					
A-16	SITC of Control Room Speakers		No s.	1	81,356	81,356
A-16.1	Type: Full Range Powered speaker					

A-16.2	Should have minimum 6" woofer (LF driver) or better	Bose or Genelec or Equivalent				
A-16.3	Maximum SPL 105 dB					
A-16.4	Nominal Dispersion: 100 X 80					
A-16.5	XLR or Phono Input					
A-17	SITC of Powered Column Speakers					
A-17.1	Type: Full Range or 2-way or 3 way Powered digital Steerable column Speaker	Bose or Fohnn or Renkus Heinz	No s.	2	3,00,000	6,00,000
A-17.2	Column speaker should have Analogue input and AES/EBU or Dante					
A-17.3	Should have minimum 12 Drivers or more; Size of each Driver: Min. 2" or better					
A-17.4	Minimum Efficiency/ Sensitivity : 94 dB SPL or better					
A-17.5	Frequency Response (-10dB): 130 Hz - 17 KHz or better					
A-17.6	Nominal Dispersion: not more than 180 degrees conical (Horizontal) and between 10 to 40 degree (Vertical)					
A-17.7	OEM approved wall mount mechanism for loudspeaker installation					
A-17.8	The Color of the loudspeaker shall be decided at the time of ordering as per the instructions of Engineer In charge.					
A-18	SITC of Passive Left & Right Line Array Speakers					
A-18.1	Type: 2-way or 3 way Linearray loudspeaker - Passive or bi-amp technology or better	Bose or D&B Audio technik or Martin Audio	SE TS	2	10,00,000	20,00,000
A-18.2	Woofer Size: Dual 10" or Single 14" or better Liine array Box					
A-18.3	HF Driver: HF:Dual .7 inch compression driver or better					
A-18.4	Frequency Range: 67Hz- 18,000 Hz or better					
A-18.5	Sensitivity: 96 dB SPL (1W @ 1m) or better					
A-18.6	Maximum SPL: 130 dB peak or better					
A-18.7	Coverage of Array : 100° x 60°. Bidder should offer necessary no's of module					

	to achieve desired minimum vertical angle of 60 degree					
A-18.8	Mounting mechanism for loudspeaker installation should be from same OEM					
A-18.9	Should be of the same OEM as line item #A-19,A-20					
A-19	SITC of Passive Subwoofer					
A-19.1	Woofer Size: Single 18-inch or better	Bose or D&B Audio technik or Martin Audio	No s.	2	6,74,499	13,48,998
A-19.2	Frequency Range : 37 Hz - 115 Hz or better					
A-19.3	Power Handling: 700W continuous or better					
A-19.4	Sensitivity: 92 dB SPL (1W @ 1m) or better					
A-19.5	Maximum SPL: 128 dB Peak or better					
A-19.6	Should be of the same OEM as line item #A-18,A-20					
A-20	SITC of Passive Front Fill Speaker					
A-20.1	Type: 2-way surface-mount speaker	Bose or D&B Audio technik or Renkus Heinz	No s.	4	94,038	3,76,152
A-20.2	Woofer Size: 5 inch (min.) or more					
A-20.3	HF driver: 1-inch (min.) or more					
A-20.4	Frequency Range : 100 Hz – 18 kHz or better					
A-20.5	Power Handling: 100W continuous or better					
A-20.6	Dispersion: 90° x 60° or better					
A-20.7	Mounting mechanism for loudspeaker installation should be from same OEM					
A-20.8	Should be of the same OEM as line item #A-18,A-19					
A-20.9	The Color of the loudspeaker shall be decided at the time of ordering as per the instructions of Engineer In charge.					
A-21	SITC of Stage Monitor Speaker		No s.	4	2,00,000	8,00,000

A-21.1	Single 12" or better speaker	Bose or D&B Audio technik or Martin Audio				
A-21.2	HF: 1-inch or better					
A-21.3	Peak Spl - 125dB or better					
A-21.4	Coverage angle - 80 x 50 or better					
A-21.5	Power rating - 300W or better					
A-21.6	Frequency Range 80 Hz – 17,000 Hz or better					
A-22	SITC of Ceiling Tile Mics	Shure or Sennheiser or Audio Technica	No s.	3	3,00,505	9,01,515
A-22.1	Minimum 28 number of element based ceiling microphone with directivity control/ automatic steerable control or better					
A-22.2	Frequency response : 180 Hz - 16 kHz or better					
A-22.3	Coverage capability : 22 feet diameter or better					
A-22.4	Should have integrated auto mixing					
A-22.5	Should be PoE powered					
A-22.6	The Mics will also be used for Voice lift system. It should merely restore natural speech level from talker to the farthest listener in the room. Voice lift system should provide minimum amount of gain to establish intelligibility					
A-22.7	The Color of the microphone shall be decided at the time of ordering as per the instructions of Engineer In charge.					
A-22.8	OEM approved mounting kit and other accessories					
A-22.9	Should support DANTE/AVB/Prop bus for communication with audio DSP specifics in A-4,A-5					
A-23	SITC of Digital Signal Processor Type D	Bose or Xilica or Biamp	No s.	1	₹ 3,00,000	₹ 3,00,000
A-23.1	Rack mountable and feature software-configurable signal processing, including but not limited to: signal routing and mixing, equalization, filtering, dynamics,					

	and delay, as well as control, monitoring, and diagnostic tools					
A-23.2	Audio DSP should support each microphone for the number of AEC inputs					
A-23.3	Audio DSP should have minimum (12) independent software/hardware AEC (Acoustic Echo cancellation) inputs					
A-23.4	Audio DSP should have minimum (16) Analog Inputs and (04) Analog outputs					
A-23.5	Audio DSP should support minimum 64 x 64 Dante channels					
A-23.6	All microphone inputs including ones coming over Dante should have AEC					
A-23.7	Audio DSP should support both input & output channels for routing USB audio					
A-23.8	Communication & Control port: Ethernet/RS232					
A-23.9	FCC & RoHS compliant					
A-23.10	Should support DANTE/AVB/AES67 for communication specified in item #A-1.					
A-24	SITC of Digital Wireless Handheld Microphone with Transmitter Type B					
A - 24.1	Should be a Cardioid or Supercardioid handheld wireless mic	Shure or Sennheiser or AudiTechnica	No.	16	₹ 60,272	₹ 9,64,346
A - 24.2	Should operate in the 1.8 - 2.4 GHz license-free frequency band.					
A - 24.3	Should be of 24-bit / 48 kHz audio quality.					
A - 24.4	Should have XLR (Balanced) audio output					
A - 24.5	Should have a minimum wireless coverage area of up to 50 meters or better					
A - 24.6	Should include necessary rechargeable batteries with minimum back-up of 8hrs					
A - 24.7	Should have status display (battery, transmitter type, microphone capsule) and encrypted data transmission					
A - 24.8	Should include charging station/dock with power supply which charges transmitters					
A-25	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type B		No s	8	₹ 60,450	₹ 4,83,597

A - 25.1	Should be Omnidirectional lavaliers, low impedance mic with clothing clips for easy attachment	Shure or Sennheiser or AudiTechnica				
A - 25.2	Should have minimum Frequency response of 20 KHZ or more					
A - 25.3	Should have sensitivity around -40 to -54 dBV/Pa (1.6 mV/Pa)					
A - 25.4	Should have Max SPL (Sound Pressure Level) between 115-120 dB SPL (1% THD)					
A - 25.5	Should have a minimum cable length of 5 feet					
A - 25.6	Should have a minimum wireless coverage area of up to 50 meters or better					
A - 25.7	Should include necessary rechargeable batteries with minimum back-up of 6hrs					
A - 25.8	Should include charging station/dock with power supply which charges transmitters					
A-26	SITC of Audio Mixer					
A- 26.1	Digital Mixer that can support Min. 48 Channels (including 16 Mono Mic Inputs)	Allen and Heath or Yamaha or Digico	No s.	1	₹ 3,63,572	3,63,572
A- 26.2	Should have Min. 8 Line Outputs					
A- 26.3	Should support min. 64x64 Dante channels (Additional hardware can be considered to achieve the same)					
A- 26.4	Aux / Sends: 14 or better					
A- 26.5	Min. 7" Touch/LCD Panel or better					
A- 26.6	Should Support Gate, Compressor, EQ and High Pass for all channels					
A- 26.7	Digital effects: Min 6 stereo digital FX engines					
A- 26.8	Should be able to save and Recall presets/scene Min. 50					
A- 26.9	Should Support 32x32 USB channels					
A- 26.10	Should be able to communicate with Digital Signal Processor specified in line item					
A-27	SITC of Drum Kit		Set	1	36,854	36,854

A-27.1	Should be a combination of Min. (01) Kick Drum, (02) Toms, (04) Overhead Mics	Shure or Sennheiser or AudiTechnica				
A-27.2	Type: Dynamic / condenser					
A-27.3	Frequency Response: Min. 40 Hz - 20KHz based on the mics					
A-27.4	Polar Pattern: Cardoid					
A-27.5	Sensitivity: Max. 130dB SPL					
A-27.6	Should include necessary mounts for easy drum attachment					
A-27.7	Should include secure storage with inlay compartments.					
A-28	SITC of Headset		No s.	1	5,512	5,512
A-28.1	Should be light weight over-ear headset	Shure or Sennheiser or AudiTechnica				
A-28.2	Type: Dynamic					
A-28.3	Driver Size: 40mm					
A-28.4	Frequency Response for headphones: 20 Hz - 20 KHz or better					
A-28.5	Sensivitiy: 106dB SPL (1mW)					
A-28.6	Should do background passive noise cancellation					
A-28.7	Should be included with necessary convertor to connect with manual mixer specified in line item #A27					
B - Video System						
B-1	SITC of Direct View LED Display Type A		No s.	1	₹ 80,00,000	₹ 80,00,000
B - 1.1	LED technology (Flip-Chip Micro LED / COB Micro LED / SMD) with maximum pixel pitch of 1.6 mm or better; comes along with LED control unit, on-board power supply, loop-in, loop-out cables along with necessary extension	Christie or LG or Samsung or Barco				
B - 1.2	Size of DLED : diagonal size in the range of 260" - 271"					
B - 1.3	Aspect ratio : 16:9					
B - 1.4	Controller should be from the same OEM with digital inputs, RS232/RJ45 &					

	should be controllable via control processor part of the bid (item #C-1)					
B - 1.5	LED Lifespan (Hours to Half Brightness) : 1,00,000 or better					
B - 1.6	Brightness: Minimum 600 nits or better					
B - 1.7	Contrast Ratio : minimum 5000 : 1 or better					
B - 1.8	Direct view LED resolution : minimum 3840 x 2160 or better					
B - 1.9	12~14-bit adjustable internal processing					
B - 1.10	OEM approved direct mounting structure (study the drawings/site before quoting). Side Covering to be included.					
B - 1.11	Should be certified with BIS or UL or ETL or CB or IEC0950 or CE or EMC or FCC.					
B - 1.12	Cables, accessories, mounting kit required to complete the installation must be included, buffer should be in the form of full cabinets/Spares including modules, to be placed on site.					
B-2	SITC of Direct View LED Display Type B					
B-2.1	LED technology (Flip-Chip Micro LED / COB Micro LED / SMD) with maximum pixel pitch of 1.6 mm or better; comes along with LED control unit, on-board power supply, loop-in, loop-out cables along with necessary extension	Christie or LG or Samsung or Barco	No s.	3	₹ 29,68,000	₹ 89,04,000
B-2.2	Size of DLED : diagonal size in the range of 163" - 174"					
B-2.3	Aspect ratio : 16:9					
B-2.4	Controller should be from the same OEM with digital inputs, RS232/RJ45 & should be controllable via control processor part of the bid (item #C-1)					
B-2.5	LED Lifespan (Hours to Half Brightness) : 1,00,000 or better					
B-2.6	Brightness: Minimum 600 nits or better					
B-2.7	Contrast Ratio : minimum 10000 : 1 or better					
B-2.8	Direct view LED resolution : minimum 2880 x 1440 or better					
B-2.9	12~14-bit adjustable internal processing					
B-2.10	OEM approved direct mounting structure (study the drawings/site before quoting). Side Covering to be included.					

B-2.11	Should be certified with BIS or UL or ETL or CB or IEC0950 or CE or EMC or FCC.					
B-2.12	Cables, accessories, mounting kit required to complete the installation must be included, buffer should be in the form of full cabinets/Spares including modules, to be placed on site.					
B-3	SITC of Direct View LED Display Type C					
B - 3.1	With micro LED technology (Flip-chip Micro LED/ COB Micro LED) with maximum pixel pitch of 1.3 mm or lower; comes along with LED control unit, on-board power supply, loop-in, loop-out cables along with necessary extension	Christie or LG or Samsung or Barco	No s.	7	₹ 45,00,000	₹ 3,15,00,000
B - 3.2	The LED should have Full black coating technology with panel like smooth surface i.e. protection coating. Pixels should not be exposed ensuring protection from dust and minor water droplets on the modules.					
B - 3.3	Size of DLED : diagonal size in the range of 132" - 138"					
B - 3.4	Aspect ratio : 16:9					
B - 3.5	Controller should be from the same OEM with digital inputs, RS232/RJ45 & should be controllable via control processor part of the bid (item #C-1)					
B - 3.6	LED Lifespan (Hours to Half Brightness) : 1,00,000 or better					
B - 3.7	Brightness: Minimum 600 nits or better					
B - 3.8	Contrast Ratio : minimum 10000 : 1 or better					
B - 3.9	Direct view LED resolution : minimum 2400 x 1350 or better					
B - 3.10	12~14-bit adjustable internal processing					
B - 3.11	OEM approved direct mounting structure (study the drawings/site before quoting). Side Covering to be included.					
B - 3.12	Should be certified with BIS or UL or ETL or CB or IEC0950 or CE or EMC or FCC.					
B - 3.13	Cables, accessories, mounting kit required to complete the installation must be included, buffer should be in					

	the form of full cabinets/Spares including modules, to be placed on site.					
B-4	SITC of Direct View LED Display Type D					
B - 4.1	With COB LED technology (Flip-chip Micro LED/ COB Flipchip LED) with maximum pixel pitch of 1.3 mm or lower; comes along with LED control unit, on-board power supply, loop-in, loop-out cables along with necessary extension	Christie or LG or Samsung or Barco	No s.	2	₹ 35,00,000	₹ 70,00,000
B - 4.2	The LED should have Full black coating technology with panel like smooth surface i.e. protection coating. Pixels should not be exposed ensuring protection from dust and minor water droplets on the modules.					
B - 4.3	Size of DLED : diagonal size in the range of 108" - 110"					
B - 4.4	Aspect ratio : 16:9					
B - 4.5	Controller should be from the same OEM with digital inputs, RS232/RJ45 & should be controllable via control processor part of the bid (item #C-1)					
B - 4.6	LED Lifespan (Hours to Half Brightness) : 1,00,000 or better					
B - 4.7	Brightness: Minimum 600 nits or better					
B - 4.8	Contrast Ratio : minimum 10000 : 1 or better					
B - 4.9	Direct view LED resolution : minimum 1920 x 1080 or better					
B - 4.10	12~14-bit adjustable internal processing					
B - 4.11	OEM approved direct mounting structure (study the drawings/site before quoting). Side Covering to be included.					
B - 4.12	Should be certified with BIS or UL or ETL or CB or IEC0950 or CE or EMC or FCC.					
B - 4.13	Cables, accessories, mounting kit required to complete the installation must be included, buffer should be in the form of full cabinets/Spares including modules, to be placed on site.					

B-5	SITC of 98" LED back-lit Monitor					
B-5.1	Screen size: 98" diagonal or bigger	LG or Sony or Samsung or Panasonic	No s.	6	₹ 5,00,000	₹ 30,00,000
B-5.2	Native Resolution :3840*2160 (4K UHD) or better					
B-5.3	Aspect Ratio: 16:9					
B-5.4	Back Light Refresh Rate: 60Hz or better					
B-5.5	Brightness: 350 nits or better					
B-5.6	Viewing angle: 178 x 178 minimum vertically and horizontally or better					
B-5.7	Should have minimum (01) HDMI and Audio inputs or better					
B-5.8	Should have (01) RS232, (01) RJ45 ports for control					
B-5.9	Should have built-in loudspeaker					
B-5.10	Includes OEM approved mounting kit with sufficient space behind the display to house AV devices (study the drawings/site before quoting).					
B-6	SITC of Retractable Monitor					
B-6.1	Should be 17" Diagonal Monitor	Arthur Holm or Albiral or Element One	No s.	7	₹ 1,50,000	₹ 10,50,000
B-6.2	Native Resolution : 1920 x 1080 or better					
B-6.3	Aspect Ratio: 16:9 or better					
B-6.4	Brightness: 400 cd/m2 or better					
B-6.5	Should have minimum (01) HDMI input or better					
B-6.6	Body should be Anodised Aluminum or Powered coated Steel					
B-6.7	Control: RS-422/RS-485/RJ45 or any proprietary connection, In case of proprietary connection necessary LAN convertor to be included to work with control system specified in line item #C-1					
B-6.8	Should include manual button to move the monitors up & down					
B-6.9	Should include the OEM mounting accessories to table mount it					
B-7	SITC of Multiwindow Processor					
B-7.1	Rack-mountable multi-window processor for combining (04) HDMI into four windows on a single HDMI output	Crestron or Extron or AMX	No s.	6	₹ 3,45,942	₹ 20,75,650

B-7.2	Provide image adjustments for brightness, contrast, color, tint, and detail					
B-7.3	Provide storage and recall of video parameters and picture settings over a manual preset and recalled via RS-232/422/Ethernet connection					
B-7.4	Output: (01) HDMI					
B-7.5	Should have (01) RS-232/Ethernet port for control					
B-7.6	Provide unrestricted four-window or side-by-side or picture-in-picture (PIP) layouts					
B-7.7	Support EDID & HDCP compliant					
B-7.8	Support 4K60 4:4:4 format					
B-7.9	Should be equipped with power supply					
B-7.10	Built-In Web Interface or application to configure & manage the layouts					
B-8	SITC of Wallplate Type Encoder		No s.	2	₹ 1,11,936	₹ 2,23,872
B-8.1	Should Support 4K visually lossless over 1Gbps network	Crestron or Extron or Lightware				
B-8.2	Should support upto 4K @60Hz Resolution					
B-8.3	Should have minimum (01) HDMI input.					
B-8.4	Hardware appliance to facilitates configuration, control, and management of Transceivers or encoder or decoders part of tender					
B-8.5	Should have Lower than 1.5 frame latency					
B-8.6	POE+ powered (IEEE 802.3at Type 2)					
B-8.7	Should support AES67/Dante/Balanced Audio Input					
B-8.8	Should have LAN Ports					
B-8.9	Should support AES-128 encryption, 802.1X, SSH					
B-8.10	Should have JITC/FIPS/NIAP/FCC					
B-8.11	Should include power supply unit and necessary mounting accessories along with the covering plate					
B-8.12	Should be of same OEM as that of B-14, B-16, B-17,B-15					
B-8.13	Should be compatible with the control processor (Item # C-1) & Network switch (item # D-6)					

B-9	SITC of Room PC					
B-9.1	Should be small form factor.	HP or Dell	No s.	12	₹ 90,058	₹ 10,80,701
B-9.2	Should be MS Teams, Zoom and Webex compatible.					
B-9.3	CPU: Intel Core i5 processor, 16GB DDR4 Memory or better, min. 512GB SSD or better, min (01) 100/1000 Mbps on-board Ethernet port., High/powerful graphics card, expansion slots for additional storage					
B-9.4	Preinstalled OEM Licensed Microsoft Windows10 Pro 64-bit or Microsoft Windows 11 Pro 64-bit or latest with media DVD (or) Recovery DVD.					
B-9.5	Should have (02) HDMI outputs which would support dual screen					
B-9.6	Min 2 EA. of USB 2.0 ports and Min 2 EA. of USB 3.0 ports, Standard Audio ports (Line out & Mic in)					
B-9.7	Wireless keyboard and Wireless mouse to be included from the same OEM					
B-10	SITC of High End PC					
B-10.1	CPU: 14 Core(10 Performace and 4 Efficiency), 32 Core GPU. 32GB Memory or better, min. 512GB SSD or better, min (01) 10GB on-board Ethernet port., High/powerful graphics card, expansion slots for additional storage	Apple or Dell or HP	No s.	1	₹ 1,48,908	₹ 1,48,908
B-10.2	Should have (02) USBC Ports, Min. (01) HDMI and (01) DP Port (or any other port that supports Alt DP Mode)					
B-10.3	Min Min 2 EA. of USB 3.0 ports, Standard Audio ports 3.5mm					
B-10.4	Should have built in Wifi 6 and Min. Bluetooth 5.2					
B-10.5	Should have latest Mac OS (incl. by not limiting to Key Notes, Numbers and Pages) or Windows OS with built in latest Licensed MS Office					
B-10.6	Should support Softwares like Final Cut Pro					
B-10.7	Should be supplied with Power Cord, Wireless K/B and Wireless Mouse					

B-11	SITC of All in one Video Bar Type A					
B-11.1	The architecture must be open Standard based and should have built in camera, Mics and speakers	Poly or Cisco	No s.	2	₹ 5,00,000	₹ 10,00,000
B-11.2	This includes standards such as the H.264, H.265					
B-11.3	The system should support both IPv4 and IPv6					
B-11.4	Should support 30 fps with 1080p resolution					
B-11.5	Ability to send and receive two live simultaneous video sources in a single call, so that the image from the main camera and PC or document camera can be seen simultaneously.					
B-11.6	H.239 dual stream support for sending both video and presentation signal					
B-11.7	Must have Min. (01) USB A Port to connect with additional camera if required					
B-11.8	Must have 1 HDMI input to connect one laptops/PC for presentations supporting resolution upto 1080p30fps.					
B-11.9	Must have (01) USB C Port which will route the connected Cameras and audio signals to laptop for BYoD/BYoM applications					
B-11.10	It should transmit content to the far end location up to 4K@15fps during the video call					
B-11.11	Should have at least 2 no.'s of HDMI output to connect Full High Definition display devices such as plasma and projectors for both Video and Content.(Dual Monitor Support).					
B-11.12	Should support audio standards: G.711, G.722, G.722.1, G.729 and video standards: H.264, H.265					
B-11.13	Noise Reduction, Automatic Gain control, Acoustic Echo Cancellor					
B-11.14	1 LAN /Ethernet--10/100/1000 Mbps full duplex					

B-11.1.5	Should be interoperable with all legacy VC systems, like Standard Definition VC system (H.323, SIP).					
B-11.1.6	Auto Gatekeeper Discovery, IP Precedence & QoS with support for H.323 based lost packet recovery.					
B-11.1.7	Media Encryption: AES-256					
B-11.1.8	Should have latest generation Beamforming / Array Mics for audio pick up in the room with a pick up range of Min. 7m					
B-11.1.9	Should have Min. 2x 10 W RMS Speakers					
B-11.2.0	Should have Dual lens cameras for tracking the active speaker in the room with a zoom capability of Min. 5x digital					
B-11.2.1	Should be supplied with 10" table top touch panel and necessary mounting accessories					
B-11.2.2	Should include additional table top Mics from the same OEM as part of the tender.(refer to the sld) along with necessary connectivity cables					
B-12	SITC 22" Monitor		No s.	3	₹ 6,503	₹ 19,509
B-12.1	Should consists of OEM approved minimum full HD LED Backlit TFT of minimum 22" diagonal minimum or as per site condition, Aspect ratio of 16:9 and HDCP Compatible with HDMI input interface	LG or Samsung or Dell				
B-12.2	Material Frame - brushed stainless Steel/ Aluminium silver anodized					
B-12.3	Should include the mounting accessories required to table mount it					
B-13	SITC of Trolley Mount		No s.	8	₹ 68,688	₹ 5,49,504
B-13.1	Should support trolley mounted display	Btech or Chief or PeerlessAV				
B-13.2	Should support mounting of screen size: up to 55"					
B-13.3	Should have Max load capacity of 55kg or better					
B-13.4	Should have VESA fixings					

B-13.5	Should have sufficient space behind the display to house AV devices etc.					
B-13.6	Should have castors, space to manage the cables, Shelf below the display, etc.					
B-13.7	Should be height adjustable					
B-13.8	The color of the mount shall be decided at the time of ordering as per the instruction of Consultant/Institute					
B-14	SITC of AV over IP Encoder/Transceiver Type A					
B-14.1	Should Support 4K visually lossless over 1Gbps network	Crestron or Extron or Lightware	No s.	23	₹ 1,11,936	₹ 25,74,528
B-14.2	Should support upto 4K 4:4:4 @60Hz Resolution					
B-14.3	Should have minimum (01) HDMI input.					
B-14.4	Should be capable of handling USB 2.0 signal routing by connecting all USB Peripherals from multiple Transceiver/decoder boxes, additional hardware from same OEM can be considered to achieve this functionality if required.					
B-14.5	Hardware appliance to facilitates configuration, control, and management of Transceivers or encoder or decoders part of tender					
B-14.6	Should have Lower than 1.5 frame latency					
B-14.7	POE+ powered (IEEE 802.3at Type 2)					
B-14.8	Should support AES67/Dante/Balanced Audio Input					
B-14.9	Should have LAN, RS-232 Control Ports					
B-14.10	Should support AES-128 encryption, 802.1X, SSH					
B-14.11	Should have J1TC/FIPS/NIAP/FCC					
B-14.12	Should include power supply unit and necessary mounting accessories.					

B-14.13	Should be of same OEM as that of B-15, B-16, B-17,B-8					
B-14.14	Should be compatible with the control processor (Item # C-1) & Network switch (item # D-6)					
B-15	SITC of AV over IP Encoder Type B					
B-15.1	Should Support 4K visually lossless over 1Gbps network	Crestron or Extron or Lightware	No s.	33	₹ 1,34,323	₹ 44,32,666
B-15.2	Should support upto 4K 4:4:4 @60Hz Resolution					
B-15.3	Should have minimum (01) HDMI input.					
B-15.4	Hardware appliance to facilitates configuration, control, and management of Transceivers or encoder or decoders part of tender					
B-15.5	Should have Lower than 1.5 frame latency					
B-15.6	POE+ powered (IEEE 802.3at Type 2)					
B-15.7	Should support AES67/Dante/Balanced Audio Input					
B-15.8	Should have LAN, RS-232 Control Ports					
B-15.9	Should support AES-128 encryption, 802.1X, SSH					
B-15.10	Should have JITC/FIPS/NIAP/FCC					
B-15.11	Should include power supply unit and necessary mounting accessories.					
B-15.12	Should be of same OEM as that of B-14, B-16, B-17,B-8					
B-15.13	Should be compatible with the control processor (Item # C-1) & Network switch (item # D-6)					
B-16	SITC of AV over IP Decoder/Transceiver Type A					
B-16.1	Should Support 4K visually lossless over 1Gbps network	Crestron or Extron or Lightware	No s.	72	₹ 1,11,936	₹ 80,59,392

B-16.2	Should support upto 4K 4:4:4 @60Hz Resolution					
B-16.3	Should have minimum (01) HDMI output.					
B-16.4	Should be capable of routing the connected USB 2.0 Peripherals to the Transreceiver/Encoder box. Additional hardware from same OEM can be considered to achieve this functionality if required.					
B-16.5	Hardware appliance to facilitates configuration, control, and management of Transceivers or encoder or decoders part of tender					
B-16.6	Should have Lower than 1.5 frame latency					
B-16.7	POE+ powered (IEEE 802.3at Type 2)					
B-16.8	Should support AES67/Dante/Balanced Audio Output					
B-16.9	Should have LAN, RS-232 Control Ports					
B-16.10	Should support AES-128 encryption, 802.1X, SSH					
B-16.11	Should have JITC/FIPS/NIAP/FCC					
B-16.12	Should support in-built scaling feature					
B-16.13	Should include power supply unit and accessories & One decoder is spare					
B-16.14	Should be of same OEM as that of B-14, B-15, B-17,B-8					
B-16.15	Should be compatible with the control processor (Item # C-1) & Network switch (item # D-6)					
B-17	SITC of AV over IP Decoder Type B					
B-17.1	Should Support 4K visually lossless over 1Gbps network	Crestron or Extron or Lightware	No s.	23	₹ 1,11,936	₹ 25,74,528
B-17.2	Should support upto 4K 4:4:4 @60Hz Resolution					
B-17.3	Should have minimum (01) HDMI output.					

B-17.4	Hardware appliance to facilitates configuration, control, and management of Transceivers or encoder or decoders part of tender					
B-17.5	Should have Lower than 1.5 frame latency					
B-17.6	POE+ powered (IEEE 802.3at Type 2)					
B-17.7	Should support AES67/Dante/Balanced Audio Output					
B-17.8	Should have LAN, RS-232 Control Ports					
B-17.9	Should support AES-128 encryption, 802.1X, SSH					
B-17.10	Should have J1TC/FIPS/NIAP/FCC					
B-17.11	Should support audio de-embedding / break away					
B-17.12	Should include power supply unit and accessories & One decoder is spare					
B-17.13	Should be of same OEM as that of B-14, B-15, B-16,B-8					
B-17.14	Should be compatible with the control processor (Item # C-1) & Network switch (item # D-6)					
B-18	SITC of Universal Auto Switcher					
B-18.1	Should be a single box or Max (02) Box Solution	Crestron or Extron or Lightware	No s.	14	₹ 2,30,868	₹ 32,32,152
B-18.2	Should have Min. (01) USBC, (02) HDMI along with (02) USB Ports Input Ports					
B-18.3	Should have Min. Output (02) USB-A Peripheral Ports, (01) HDMI Ports					
B-18.4	Devices connected on the USB-A Peripheral ports should be able to be routed to Host USB/USBC Ports					
B-18.5	The USBC Port should support Min. 60W of charging					
B-18.6	Should support Auto Switching between the connected input sourecs and also manual switching buttons should be there					
B-18.7	Control: RS-232/LAN					

B-18.8	Should have CE/FCC/UL/BIS					
B-18.9	Should support PoE or include power supply.					
B-18.10	Should included OEM mounting accessories as required.					
B-19	SITC of H.264 Recording Appliance Type A					
B-19.1	Lecture capture system with (02) HDMI, one for content, second for video	Extron or Lumens or Blackmagic Design	No s.	8	₹ 7,26,651	₹ 58,13,210
B-19.2	Should Stream and record simultaneously					
B-19.3	Should support window layout like PIP, Side By Side window or more layouts					
B-19.4	Should have internal storage of minimum 80GB					
B-19.5	Should allow external storage of recording over FTP/SFTP, gigabit Ethernet port for fast transfer of data					
B-19.6	Should have a HDMI (or equivalent digital) output with embedded audio					
B-19.7	Should be able to webcast with appropriate multimedia software setup / CDN services					
B-19.8	Should have control over RS232 or Ethernet					
B-19.9	Should be compatible with Streaming server installed in the premises					
B-20	SITC of Recording Appliance Type B					
B-20.1	Recording system with SDI, HDMI Inputs	Blackmagic Design or AJA or Datavideo	No s.	1	₹ 1,64,648	₹ 1,64,648
B-20.2	Should Support Min. UHD Resolution for recording @ 60 Fps					
B-20.3	Should have internal storage of minimum 500GB SSD or supplied with external memory card					
B-20.4	Should Front display					
B-20.5	Should support playback of recorded content					
B-20.6	Should Support Timecode and Audio Monitoring features					
B-20.7	Should have control over RS232 or Ethernet					

B-20.8	Should have analog input to record both audio and video, incase analog input is not available Audio Embedder to be included					
B-20.9	Should be rack mountable and comes with necessary mounting accessories					
B-21	SITC of Video Conferencing Codec					
B-21.1	The architecture must be open Standard based and should be supplied without camera	Poly or Cisco	No s.	6	₹ 2,28,960	₹ 13,73,760
B-21.2	This includes standards such as the H.264, H.265					
B-21.3	The system should support both IPv4 and IPv6					
B-21.4	Should support 30 fps with 1080p resolution					
B-21.5	Ability to send and receive two live simultaneous video sources in a single call, so that the image from the main camera and PC or document camera can be seen simultaneously.					
B-21.6	H.239 dual stream support for sending both video and presentation signal					
B-21.7	It should have ports for connecting minimum 3 cameras directly on the codec or via AV over IP functionality to connect upto 3 cameras					
B-21.8	Should have Min. 1 x HDMI/USB input to share 4K/Full HD content from PC/Laptop.					
B-21.9	Must have (01) USB C Port which will route the connected Cameras and audio signals to laptop for BYoD/BYoM applications					
B-21.10	It should transmit content to the far end location up to 4K@15fps during the video call					
B-21.11	Should have at least 2 no.'s of HDMI output to connect Full High Definition display devices such as plasma and projectors for both Video and Content.(Dual Monitor Support).					
B-21.12	Should support audio standards: G.711, G.722, G.722.1, G.729 and video standards: H.264, H.265					

B-21.1.3	Noise Reduction, Automatic Gain control, Acoustic Echo Cancellor, Active Lip synchronization					
B-21.1.4	1 LAN /Ethernet--10/100/1000 Mbps full duplex					
B-21.1.5	Should be interoperable with all legacy VC systems, like Standard Definition VC system (H.323, SIP).					
B-21.1.6	Auto Gatekeeper Discovery, IP Precedence & QoS with support for H.323 based lost packet recovery.					
B-21.1.7	Media Encryption: AES-256					
B-21.1.8	Control: RS-232/USB/LAN (Incase of USB necessary convertor to be considered) for controlling the device from control processor specified in line item #C-1					
B-21.1.9	In case the above feature is not available natively, then additional components can be provided to achieve this.					
B-22	SITC of PTZ Camera Type-A					
B-22.1	Should have minimum 20x optical zoom pan tilt camera	Creston or Panasonic or Sony	No s.	10	₹ 3,22,240	₹ 32,22,400
B-22.2	Should support FHD Output Resolution at 60fps					
B-22.3	Should have HDMI, USB 3.0, NDI output connection					
B-22.4	Should have (01) RS-232 or RS-422 or Ethernet (RJ45) for control from control processor (item #C-1)					
B-22.5	Should be able to save and recall minimum 128 presets.					
B-22.6	Should include power supply unit					
B-22.7	Should have mountable option of upside down, picture flips automatically or software configurable.					
B-22.8	Should be included with appropriate mounting kit for wall/ ceiling mount as per site requirement					

B-22.9	The color of the camera shall be decided at the time of ordering as per the instruction of Engineer in charge					
B-22.10	Should have CE/FCC/BIS					
B-23	SITC of PTZ Camera Type-B					
B-23.1	Should have minimum 20x optical zoom pan tilt camera	Crestron or Panasonic or Sony	No s.	8	₹ 3,22,240	₹ 25,77,920
B-23.2	Should support FHD Output Resolution at 60fps					
B-23.3	Should have HDMI, USB 3.0, NDI output connection					
B-23.4	Should have (01) RS-232 or RS-422 or Ethernet (RJ45) for control from control processor (item #C-1)					
B-23.5	Should Smoothly track a Single or Group of moving presenters (Up to 2) as they move through a designated presentation area					
B-23.6	Should be able to define a priority zone for the presenter to give a static shot.					
B-23.7	Should include power supply unit					
B-23.8	Should be included with appropriate mounting kit for wall/ ceiling mount as per site requirement					
B-23.9	The color of the camera shall be decided at the time of ordering as per the instruction of Engineer in charge					
B-23.10	Should have CE/FCC/BIS					
B-24	SITC of PTZ Camera Type-C					
B-24.1	Should have minimum 24x optical zoom pan tilt camera	Panasonic or Sony or Canon	No s.	3	₹ 6,57,200	₹ 19,71,600
B-24.2	Should support 4K UHD Output Resolution at 30fps					
B-24.3	Should have 3G-SDI, HDMI and NDI output connection					
B-24.4	Should have inbuilt Auto-Tracking Feature.					
B-24.5	Should have atleast Horizontal angle of view: 74° Vertical angle of view: 46.0° or better					

B-24.6	Should have (01) RS-232 or RS422 or Ethernet (RJ45) for control from control processor (item #C-1)					
B-24.7	Should include power supply unit					
B-24.8	Should be compatible with device specified in line item #B-28,B-29					
B-24.9	Should have mountable option of upside down, picture flips automatically					
B-24.10	Should be included with appropriate mounting kit for wall/ ceiling mount as per site requirement					
B-24.11	The color of the camera shall be decided at the time of ordering as per the instruction of Engineer in charge					
B-25	SITC of All in one Video Bar Type B					
B-25.1	The architecture must be open Standard based and should have built in camera, Mics and speakers	Poly or Cisco	No s.	2	₹ 90,690	₹ 1,81,379
B-25.2	Must have (01) USB C Port which will route the connected Cameras and audio signals to laptop for BYoD/BYoM applications					
B-25.3	The camera should support automatic tracking of the active speaker					
B-25.4	Should have latest generation Beamforming / Array Mics for audio pick up in the room with a pick up range of Min. 3m					
B-25.5	Should have Min. 2x 10 W RMS Speakers					
B-25.6	Should have camera for tracking the active speaker in the room with a zoom capability of Min. 4x digital					
B-25.7	Should be supplied with Vesa mount and necessary mounting accessories					
B-25.8	Should be compatible to work with latest UC Softwares but not limited to MS Teams, Zoom, Webex, etc.					
B-26	SITC of Annotation Processor					
B-26.1	Hardware based annotation processor with capability of live annotation on presentation as well as video	Extron or WilliamsAV	No s.	8	₹ 7,27,024	₹ 58,16,195

B-26.2	Should have Min. (01) HDMI 2.0 Input					
B-26.3	Should have Min. (02) 4K/60 4:4:4 HDMI Outputs, Min. (02) 3.0 USB-A Ports for connecting the touch display					
B-26.4	Should support various upto resolution from 640x480 upto 4096x2160					
B-26.5	Shall provide real-time annotation capabilities over the displayed video output like Drawing, pointing over both video and images					
B-26.6	Should be HDCP 2.3 complaint					
B-26.7	Control: RS-232/Lan (Ethernet)					
B-26.8	Should be rack mountable and be supplied with necessary mounting accessories					
B-26.9	Should have CE/UL/FCC					
B-27	SITC of Camera Switcher Type A					
B-27.1	Should have minimum 9 camera inputs over HDMI or NDI connectivity, If HDMI is used, additional Tx/RX per camera need to be considered to bring the cameras to the switcher	Creston or Datavideo or Extron or Blackmagic design	No s.	1	₹ 12,00,000	₹ 12,00,000
B-27.2	Should have minimum (01) Output over HDMI or OEM approved compatible converter should be included					
B-27.3	Switcher should be programmed or configured to automatically track the active speaker while giving a clearcut shot of the person based on the feedback from Mic or DSP in conjunction with control system.					
B-27.4	Switcher should immediately switch between two active participants without having any blackouts or freeze in between the transitions.					
B-27.5	Should support customizable layouts as per requirement.					
B-27.6	Should support last 2 active speakers side by side & a PIP view of the room					
B-27.7	Should support Chairman Priority Mode - to focus on chairman, even if he/she is not the active speaker					
B-27.8	Should support text titles for the participants					

B-27.9	Should be compatible with cameras specified in line items #B-22,B-23,B-24. Additional hardware to be considered for connecting these cameras if required.					
B-27.10	Should have (01) RS-232 or RS422 or Ethernet (RJ45) for control from control processor (item #C-1)					
B-27.11	Should have CE or FCC or UL					
B-28	SITC of Camera Switcher Type B					
B-28.1	Should have minimum 4 LAN connectivity for connecting the cameras	Panasonic or Sony or Canon	No s.	1	₹ 4,16,366	₹ 4,16,366
B-28.2	Should be able to save and recall camera presets.					
B-28.3	Should be able to control the connected camera PTZ movement					
B-28.4	Should include power supply					
B-28.5	Should have Min. 7" Touch Screen for video monitoring, Status of device, etc					
B-28.6	Should have 3G-SDI input for Preview in above mentioned 7 inch monitor.					
B-28.7	Should Support Tracking Memory , where seriuous of oprations can be recorderd and recalled					
B-28.8	Should be able to create groups of cameras					
B-28.9	Should be compatible with cameras specified in line items #B-24. Additional hardware to be considered for connecting these cameras if required.					
B-28.10	Should have (01) RS-232 or RS422 or Ethernet (RJ45) for control from control processor (item #C-1)					
B-29	SITC Tablet Display					
B-29.1	Screen size: Min. 21" diagonal or better	Qomo or Wacom	No s.	8	₹ 1,59,083	₹ 12,72,665
B-29.2	Should be interactive touch display					
B-29.3	Native Resolution : 1920 x 1080 or better					

B - 29.4	Aspect Ratio: 16:9 or better					
B - 29.5	Brightness: 210 cd/m2 or better					
B - 29.6	Should have minimum (01) HDMI input and output or better					
B - 29.7	Should have (01) USB interface for communication					
B - 29.8	Includes OEM approved desktop kit, USB cables etc and writing accessories					
B-30	SITC of Wireless Presentation System					
B- 30.1	Should support Wireless presentation of 4k@30 content using laptops, tablets, and smartphones					
B- 30.2	iOS mirroring via AirPlay, Windows & Android mirroring via Miracast,					
B- 30.3	Should have atleast 03 nos. of simultaneous user screens					
B- 30.4	Supporting application for IOS, Windows, Android devices to be included					
B- 30.5	Should provide (01) HDMI output	Crestron or Barco	No s.	25	₹ 1,25,000	₹ 31,25,000
B- 30.6	Should provide (01) USB Port for wireless conferencing using the provided adapter.					
B- 30.7	Should provide AES encryption					
B- 30.8	Should support presentations through wired LAN					
B- 30.9	Should include Min. (01) USB Adaptor/Dongle for wireless presentation and should be compatible to work with iOS, Mac and Windows					
B- 30.10	Should have (01) RS-232 or RS422 or Ethernet (RJ45) for control from control processor (item #C-1)					
C- Control System						
C-1	SITC of Control Processor					
C - 1.1	Real-time, Multitasking Control processor	Crestron or Extron or AMX	No s.	10	₹ 2,50,000	₹ 25,00,000
C - 1.2	Minimum 4 GB Flash					

C - 1.3	(02) LAN port with industry standard Ethernet communications, (01) LAN port will be connected on client network and another LAN port for AV network.					
C - 1.4	Built in Web server & licenses/software for touch panel					
C - 1.5	Minimum (3) RS-232/422/485 (bi-directional) ports					
C - 1.6	Minimum (2) IR/serial ports					
C - 1.7	Minimum (2) Low Voltage relay ports					
C - 1.8	Minimum (4) I/O ports					
C - 1.9	SNMP Support					
C - 1.10	Exclusive modular programming architecture					
C - 1.11	Should include power supply					
C-2	SITC of Table Top Wired Touch Panel					
C - 2.1	Should have a colored touch screen of minimum 10 inches diagonal	Crestron or Extron or AMX	No s.	10	₹ 3,01,294	₹ 30,12,944
C - 2.2	The Table Top kit to be a standard accessory of the Touch Panel, supplied by the OEM					
C - 2.3	The Touch Panel to be programmed to control Audio, Video, Lighting and Signal Switching of the Room as per the requirement specification					
C - 2.4	Should be connected over POE/POE+ based Ethernet port					
C - 2.5	Should support room control as per desired functionality					
C - 2.6	Should be compatible & to have licenses/software to link with control processor specified in item # C-1					
C - 2.7	Should be projected capacitive touch screen					
C-3	SITC of Lighting Dimmer					
C-3.1	Should have 02 independent DALI channels	Crestron or Lutron or Helvar	No s.	1	₹ 90,295	₹ 90,295
C-3.2	Each channel should support upto 64 DALI addressable loads					

C-3.3	Should have RS232/RS485 or RJ45 Ethernet connection for control					
C-3.4	Should be integrated to control processor part of bid #item C-1					
C-3.5	Should include power supply & other accessories					
C-4	SITC of Button Panel					
C-4.1	Wall mount with communication port to integrate with control processor part of bid item # C - 1	Crestron or Lutron or Helvar	No s.	1	₹ 26,966	₹ 26,966
C-4.2	Minimum (05) configurable buttons with back-lit labelling					
C-4.3	Should have wall mount 1or 2-gang box for installing					
C-4.4	Should come along with faceplate and customized engravable buttons as per the site requirement					
C-4.5	Should be powered via POE or supplied with necessary power supply or OEM specified connection.					
C-4.6	The Color of the button panel shall be decided at the time of ordering as per the instructions of Engineer In charge					
C-5	SITC of Presentation Remote					
C-5.1	Should support RF connectivity	Dsan PC MINI AS2 or Mastercue V7 or equivalent	No s.	1	₹ 1,04,813	₹ 1,04,813
C-5.2	Should be a combination of Transmitter and Reciever Box					
C-5.3	Should be compatible with Windows/Mac					
C-5.4	Should be compatible with Powerpoint/keynote/PDF/Googleslide/prezi etc.					
C-5.5	Should have rechargeable/replacable battery					
C-5.6	Wireless range of upto 100meter					
C-6	SITC of Touch Interactive Display					
C-6.1	Should have 12 inch diagonal Touch screen or bigger	Apple or Samsung	No s.	3	₹ 92,431	₹ 2,77,293
C-6.2	Should have storage of 128 GB or better					
C-6.3	Should have Wifi Connectivity					

C-6.4	Should have necessary software to work with control system specified in line item # C-1					
C-6.5	Should include a stylus and detachable keyboard, both compatible with the latest generation of the device					
C-6.6	Should include 2 meter USB-C charging cable & 30W USB-C power adaptor					
C-7	SITC of Security Mount for Touch Interactive Display					
C-7.1	Should be compatible with 12 inch Touch Interactive Display	Iport or Maclocks or Kensington or MagTarget	No s.	2	₹ 50,880	₹ 1,01,760
C-7.2	Charging cable include fast charger of 20W , charging cable of length 2meter					
C-7.3	Should have security lock with thin wire attached to the Interactive Display & docking station for theft protection					
C-8	SITC of Wireless Mobile Charger					
C-8.1	Should be Qi-certified for compatibility with most smartphones.	Legrand or Kramer or Logic	No s.	7	₹ 2,570	₹ 17,989
C-8.2	Should give Output Power: Up to 5W (700mA)					
C-8.3	Should be flush in-table/desk/furniture surface mount. Dia may vary between 70-100 mm.					
C-8.4	Protection Rating: For Indoor use					
C-8.5	Charging Distance: Up to 8 mm or better					
C-8.6	Finish Options: Black or white					
C-8.7	Should include overcurrent and overvoltage protection					
C-8.8	Included Accessories: power supply, power supply bracket, cables and receivers for devices					
C-9	SITC of Logic I/O Expander					
C-9.1	Should include 8 Logic input/output ports or better	Crestron or Extron or AMX	No s.	9	₹ 41,976	₹ 3,77,784
C-9.2	Each I/O port should be independently configurable as input or output					
C-9.3	Should support communication with control processor specified in line					

	item #C1 via RJ-45 or other control connectivity					
C-9.4	Should support communication with button Mic specified in line item #A1					
C-9.5	Should include Power, Network, Status LEDs, I/O status LEDs					
C-9.6	Should supply power to led ring on the mic to illuminate the colour in the ring					
C-9.7	Should include Power supply or support PoE					
C-9.8	Should include necessary connectors, mounting hardware, and necessary accessories.					
D - Installation Hardware						
D-1	SITC of 6' HDMI Cable					
D-1.1	Should Support 4K60 4:4:4 video, 18 Gbps bandwidth	Crestron or Extron or Lightware or Liberty	No s.	193	₹ 3,265	₹ 6,30,106
D-1.2	Gold-plated 19-pin Type A M-M non-slip HDMI connector					
D-1.3	High-flex CL3-rated jacket					
D-1.4	RoHS compliant					
D-2	SITC of 30' HDMI Cable					
D-2.1	Should Support 4K60 4:4:4 video, 18 Gbps bandwidth	Crestron or Extron or Lightware or Liberty	No s.	7	₹ 8,209	₹ 57,460
D-2.2	Gold-plated 19-pin Type A M-M non-slip HDMI connector					
D-2.3	High-flex CL3-rated jacket					
D-2.4	RoHS compliant					
D-3	SITC of 6' USB 3.0 A-A/B/C Cable					
D-3.1	USB Type-A USB 3.0 Male to USB Type-A/USB Type-B (4 pin)/USB C Male cable	Startech or Cable Wholesale or C2G or Liberty	No s.	24	₹ 483	₹ 11,597
D-3.2	Should be USB 3.0 port and supports data transfer rate up to - 5 Gbps					
D-3.3	Backward compatible with USB 2.0 ,USB 1.1 devices					
D-3.4	Should have Nickel Plating					
D-3.5	Appropriate cable to be given as per requirement based on the selected model for each room					

D-4	SITC of 6' USB 3.0 A-B Cable					
D-4.1	USB Type-A USB 3.0 Male to USB Type-B (4 pin) Male cable	Startech or Cable Wholesale or C2G or Liberty	No s.	14	₹ 386	₹ 5,407
D-4.2	Should be USB 3.0 port and supports data transfer rate up to - 5 Gbps					
D-4.3	Backward compatible with USB 2.0 ,USB 1.1 devices					
D-4.4	Should have Nickel Plating					
D-5	SITC of USB-C Faceplate					
D-5.1	USB 3.0 Type C female to Type C female interface	Custom	No s.	8	₹ 7,632	₹ 61,056
D-5.2	Full Featured USB C Port					
D-5.3	Should include necessary faceplate & accessories to mount on the operator table					
D-5.4	The Color of the wall plate shall be decided at the time of ordering as per the instructions of Engineer In charge					
D-6	SITC of 48 Port Network POE+ Switch					
D-6.1	Port Capacity: 48 port10/100/1000 Ethernet Ports	Netgear or Cisco or HP	No s.	12	₹ 2,00,000	₹ 24,00,000
D-6.2	POE+ Support: Should Support minimum at 700 watts					
D-6.3	Stacking: Should support stacking through stacking port for expandability or Interface for Uplink: Should provide 4 slots with small form factor pluggable 10G uplink fibre modules included in the switch					
D-6.4	Should have multicast, IGMP snooping (V2 & V3), QoS, Jumbo frames, compatible with AV over IP transceivers part of bid #item B-14,B-15, B-16 & B-17					
D-6.5	Should be able to create separate VLAN for audio, video & control					
D-6.6	Should be able to handle Bandwidth requirement for all the connected devices					
D-6.7	Should include necessary power supply to increase the POE budget (if required)					
D-6.8	Necessary Power cable & power supply to be included while quoting					

D-6.9	Should be compatible & meets the requirement of AVoverIP, Dante, AES67 etc. specified in item #A-3,A-5,A-8,A-10,A-12,A-13,A-14,A-23,A-29,A-30,B-8,B-14,B-15,B-16,B-17,C-1,C-2,C-3,C-4,C-9 etc. as per SLD					
D-7	SITC of AV Equipment Rack					
D-7.1	19", 42U equipment rack 600 X 600 mm with front glass door, power distribution box, internal fans, wheels etc. complete with all accessories.	Valrack or W&Q or Rittal or Netrack or President	No s.	11	₹ 42,400	₹ 4,66,400
D-7.2	Floor standing with castor wheels & locking provision.					
D-7.3	Fully wired with power distribution and vent to suit forced Air via Fan					
D-7.4	Lockable front door made of glass with provision for opening the rack from minimum 4 sides					
D-7.5	Vented top Cover and bottom covers with cable entry cut-outs.					
D-7.6	19" angle for rack mounting with provision for recessing mounting angle					
D-7.7	Removable side panels with slam latches					
D-7.8	Fans (Minimum 04 EA.) for cooling of fully populated rack					
D-7.9	Door operated CFL light for rack					
D-7.10	Hardware kit including necessary channels for fixing, the supplied equipment inside the rack & bars for cable management along with patch panels					
D-7.11	Power Distribution Unit (PDU) with spike guard sufficient enough to supply AC power to all the equipment's housed inside rack. The PDU should be supplied with industrial universal socket.					
D - 8	SITC of Speaker Cable (2.5 sq.mm)					
D - 8.1	2 core 2.5 sq.mm/ 14 AWG PVC insulated copper conduction loudspeaker cable	Belden or Extron or Liberty or Crestron	Mt rs	2363	₹ 367	₹ 8,67,229
D - 9	SITC of Control and Microphone/Audio Cable		Mt rs	1221	₹ 131	₹ 1,59,555

D - 9.1	Single shielded twisted pair, 20 AWG, tinned copper conductors	Belden or Extron or Liberty or Crestron				
D - 9.2	Non plenum 2 core PVC insulated copper conduction microphone cable					
D - 10	SITC of U/L Listed Connectors		LOT	1	₹ 1,39,920	₹ 1,39,920
D - 10.1	High Grade connectors for audio, video and control and related systems.	Amphenol or Neutrik or Switchcraft				
D - 11	SITC of STP/ CAT-6A Cable		Mtrs	4842	₹ 70	₹ 3,36,559
D - 11.1	Cable shall be optimized for use in digital video over twisted pair application	Belden or Extron or Liberty or Crestron or CommScope				
D - 11.2	Cable shall provide 350MHz ultra high-performance shielded CAT6 at distances up to 100 meters					
D - 11.3	Provide protection from outside electrical interference which can result in bit-errors					
D - 11.4	Compatible with the audio, video & control products outlined in bid specifications					
D - 11.5	Should be LSZH Rated					
D-12	SITC of Wireless Access Point		Nos.	9	₹ 28,238	₹ 2,54,146
D- 12.1	Integrated antenna Flexible radio (2.4 GHz & 5 GHz) ● 2.4 GHz, gain 4 dBi, internal antenna, omnidirectional in azimuth ● 5 GHz, gain 6 dBi, internal directional antenna, elevation plane beam width 90° Dedicated 5-GHz radio ● 5 GHz, gain 5 dBi, internal antenna, omnidirectional in azimuth	Cisco or Hp Aruba or Netgear				
D- 12.2	Interfaces ● 2802I/E ◦ 2x100/1000BASE-T autosensing (RJ-45) ● Management console port (RJ-45) ● USB 2.0 (enabled via future software)					

D-12.3	Indicators ● Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors					
D-12.4	Input power requirements ● 802.3at PoE+ Universal PoE ● 802.3at power injector					
D-12.5	Should be compatible with network switch part of tender item #D-6					
D-12.6	Necessary mounting kit, to be included while Quoting					
D-13	SITC of IR Probe					
D-13.1	IR Emitter Probe w/Terminal Block Connector	Crestron or Extron or AMX	No s.	1	₹ 2,612	₹ 2,612
D-13.2	2-pin terminal block type to connect with control processor part of the bid					
D-13.3	Should be compatible with control processor specified in item # C-1					
D-14	SITC of AV Lectern					
D-14.1	Should be 19" rack type lectern table, durable steel body, intelligent and ergonomic structured	EIS Technifra or Comm WizarDesk or Specktron	No s.	8	₹ 3,05,280	₹ 24,42,240
D-14.2	Should be able to accommodate Goonsneck microphone interface above the podium, sliding tray for placing laptop and documents, keyboard/mouse sliding tray, presentation (01x HDMI, 02x USB) interfaces, grommets, cable manager and any other AV Device that will house in as shown in SLD, etc.					
D-14.3	Should have universal 5/15 ampere sockets as per the functionality/devices inside the lectern, PDU to be supplied along with the lectern table, security lock system with one master key, cable management via wire manager to be also included					
D-14.4	Should have provision of power socket above the lectern to charge the laptop					
D-14.5	Should include the space inside the Lectern to store back-end devices					

D-14.6	Should be mobile for ease of transportation with roller wheels & locking mechanism					
D-14.7	Necessary power cables to be included while quoting					
D-15	SITC of SDI Wallplate					
D-15.1	BNC male to BNC male interface	Custom	No s.	4	₹ 11,448	₹ 45,792
D-15.2	Should include necessary faceplate & accessories to mount on the operator table					
D-15.3	The Color of the wall plate shall be decided at the time of ordering as per the instructions of Engineer In charge					
D-16	SITC of 6' USB 3.0 C-C Cable					
D-16.1	USB Type-C USB 3.0 Male to USB Type-C Male cable	Crestron or Extron or Lightware or Liberty	No s.	20	₹ 5,410	₹ 1,08,205
D-16.2	Should be USB 3.0 port and supports data transfer rate up to - 5 Gbps					
D-16.3	Should Support full feature USB C specs					
D-16.4	Should be compatible with the Universal Auto Switcher specified in line item #B-18					
D-17	SITC of 30' USB 3.0 A-C Cable					
D-17.1	USB Type-A USB 3.0 Male to USB C Male cable	Poly or Cisco	No s.	2	₹ 36,623	₹ 73,247
D-17.2	Should be of the same OEM of Video Bar specified in line item #B-16,B-17					
D-18	SITC of 15' USB 3.0 C-C Cable					
D-18.1	USB Type-C USB 3.0 Male to USB Type-C Male cable	Crestron or Extron or Lightware or Liberty	No s.	2	₹ 11,660	₹ 23,320
D-18.2	Should be USB 3.0 port and supports data transfer rate up to - 5 Gbps					
D-18.3	Should Support full feature USB C specs					
D-18.4	Should be compatible with the Universal Auto Switcher specified in line item #B-18					

D-19	SITC of Switched Rack PDU					
D-19.1	230V, 16A with (08) C13 connectors or better	APC or Furman or Aten	No s.	11	₹ 27,124	₹ 2,98,365
D-19.2	Full-featured network management interfaces that provide standards-based management via Web, SNMP and Telnet.					
D-19.3	Allows users to configure the sequence in which power is turned on or off for each outlet.					
D-19.4	Should be controllable using control processor part of the bid (item # C - 1)					
D-19.5	Indicates overload and warning conditions based on the user-defined alarm thresholds. Alerts users of potential overloaded circuits.					
D-19.6	RoHS Compliant					
D-20	SITC of HDMI Wallplate					
D-20.1	HDMI 1.4 female to female interface	Extron or Crestron or Liberty	No s.	5	₹ 11,007	₹ 55,035
D-20.2	Should include necessary faceplate & accessories to mount on the operator table					
D-21	SITC of SDI to HDMI Bi Directional Converter					
D-21.1	Should support simultaneous SDI to HDMI and HDMI to SDI Converter	Blackmagic Design or Aja or Equivalent	No s.	4	₹ 13,759	₹ 55,035
D-21.2	Should have minimum 01 x 12G SDI Input and 01 x 12G SDI Output port.					
D-21.3	Should have minimum 01 x HDMI Input and 01 x HDMI Output port.					
D-21.4	Should include necessary power supply					
D-21.5	Should include mounting hardware, and necessary accessories.					
D-22	SITC of 15' HDMI Cable					
D-22.1	Should Support 4K60 4:4:4 video, 18 Gbps bandwidth	Crestron or Extron or	No s.	6	₹ 3,778	₹ 22,667

D-22.2	Gold-plated 19-pin Type A M-M non-slip HDMI connector	Lightware or Liberty				
D-22.3	High-flex CL3-rated jacket					
D-22.4	RoHS compliant					
E - Lighting system						
E-1	SITC of Light fixture (Type-A)					
E-1.1	The lighting fixtures should be COB based LED Recessed spotlight between 30-40w	Regent or Delta or Endo	No s.	115	₹ 10,381.64	₹ 11,93,888.60
E-1.2	The luminous flux of luminaire should be between 3500 -3800 lm					
E-1.3	The Colour Rendering Index must be (CRI)>80, Colour Temperature must be minimum 4000K in Neutral White					
E-1.4	The colour consistency SDCM should be SDCM 3					
E-1.5	The drive voltage should be of 230 V constant current					
E-1.6	Lifetime of the lighting fixture should be 70% of luminous flux after 50,000 operating hours atleast					
E-1.7	The lighting fixture should be of Direct light emission, aluminium housing thermo painted silver with white trim, clear glass, high quality reflector with 15° beam angle,					
E-1.8	The lighting fixture should be Flicker free, Instant start, no humming sound, IR and UV free Light					
E-1.9	The lighting fixture should include the Dali ballast to control the fixtures also should price should include all the mounting accessories					
E-1.10	The wiring should be ZHLS (Zero Halogen Low Smoke) wiring					
E-1.11	The class of Protection should be class II, IP40					
E-1.12	The dimensions of the fixtures should be around Minimum Dia= 160-170mm, DA(Φ) = 150-160mm, H = 160-170					
E-1.13	Should be compatible with the Lighting control interface specified in item # C-4					
E-2	SITC of Light fixture (Type-B)		No s.	5	₹ 10,632	₹ 53,159

E-2.1	The track mounted LED (Light Emitting Diode) spotlights should be between 15-20W of power	Regent or Delta or Endo				
E-2.2	The luminous flux of luminaire should be between 1500 -1800 lm					
E-2.3	The Colour Rendering Index must be (CRI)>80, Colour Temperature must be minimum 4000K in Neutral White					
E-2.4	The colour consistency SDCM should be SDCM 3					
E-2.5	The drive voltage should be of 230 V constant current					
E-2.6	Lifetime of the lighting fixture should be 70% of luminous flux after 50,000 operating hours atleast					
E-2.7	The lighting fixtures should be of direct light emission, beam angle of 32°-36°, aluminium housing polyester black powder coat applied over a 5-stage pre-treatment flexible light body structure can be rotatable and adjustable in horizontal and vertical direction.					
E-2.8	The lighting fixture should be Flicker free, Instant start, no humming sound, IR and UV free Light					
E-2.9	The wiring should be ZHLS (Zero Halogen Low Smoke) wiring					
E-2.10	The lighting fixture should include the Dali ballast to control the fixtures also should price should include all the mounting accessories					
E-2.11	The class of Protection should be class II, IP40					
E-2.12	The dimensions of the fixtures should be around Minimum Dia= 80-90mm, H = 250-260mm					
E-2.13	Should be compatible with the Lighting control interface specified in item # C-4					
E-3	SITC of Light fixture (Type-C)					
E-3.1	The lighting fixtures should be cove mounted LED strip (flexible) with Aluminum Profile & Opal Diffuser, with 60-70 HE- High Efficiency LEDs per meter, 2800 - 2900 SMD package with a thermal tape of high thermal convection factor, system power:12W/ meter	Regent or Delta or Endo	Mt rs.	30	₹ 2,367	₹ 70,995

E-3.2	The luminous flux of luminaire should be between 700 - 800 lm					
E-3.3	The Colour Rendering Index must be (CRI)>80, Colour Temperature must be minimum 4000K in Neutral White					
E-3.4	The colour consistency SDCM should be SDCM 3					
E-3.5	The drive voltage should be of 12V DC constant voltage					
E-3.6	Lifetime of the lighting fixture should be 70% of luminous flux after 50,000 operating hours atleast					
E-3.7	The Total Harmonic Distortion (THD) should be <12-15%, Driver efficiency>80-90% with Surge protection of 2.5kV or more					
E-3.8	Flicker free, Instant start, no humming sound, IR and UV free Light					
E-3.9	The class of Protection should be class II, IP40					
E-3.10	The dimensions of the fixtures should be around L= 1000 mm, H = 16mm, B = 16mm					
E-3.11	Should be compatible with the Lighting control interface specified in item # C-4					
E-4	SITC of Light fixture hardware					
E-4.1	Non LED Three Phase DALI Track, Wall / Surface / Ceiling Mounted, Without Luminary elements, 00lm, 1000mm, Without Driver,	Regent or Delta or Endo	Mt rs	14	₹ 3,627	₹ 50,782
E-4.2	Should be used to mount the Lighting fixture specified in line item #E-2					
I	Sub-Total-I=(A+B+C+D+E)					14,86,33,347
II	Project integration, programming, testing and commissioning charges for above system as per scheme provided in drawings and to the satisfaction of Consultant/Architect/SBI.(All source codes shall be the property of SBI).		LO T	1		₹ 22,29,500

III	Total=(I + II)					₹ 15,08,62,8 47
PERCENTAGE OFFERED ON TOTAL PROJECT VALUE (P) :					AT PAR	0
TOTAL COST OF SITC---A					A	150862 847
IV	Comprehensive Annual Maintenance Contract Charges ---B					
F	Comprehensive Annual Maintenance Contract					
F-1.1	Comprehensive Annual Maintenance Contract (CAMC) charges for AV installations to begin after DLP of 3 year (or any extended DLP) for period of 2 years (TO BE QUOTED IN AMOUNT)		Ye ars	2	₹ 75,43,14 2	₹ 1,50,86,28 5
					B	₹ 1,50,86 ,285
GRAND TOTAL(III+IV) OR A+B						₹ 16,59,4 9,132

SECTION 10 – SUMMARY OF ITEMS FOR AUDIO VISUAL SYSTEM**INDICATIVE ROOMWISE SUMMARY OF ITEMS**

Item No .	Description	Unit	40 Seat s Clas sroo m (Hyb rid)	40 Seat s Clas sroo m (Non - Hybr id)	52 Seat s Boar droo m	Au dit ori um	22 Seat s Circ ular Conf eren ce Roo m	Mini Conf eren ce Hall (Typ e- 01)	Mini Conf eren ce Hall (Typ e- 02)	24 Seat s Conf eren ce Roo m	Rese arch Area (8- 13 Seat er)	Dis cus sio n Ro om	Est im ate d Qt y
			3	4	1	1	1	1	5	1	2	6	
<u>"The BOQ is indicative only. It provides only a brief idea about the consultant's and Institute's view of the project."</u>													

A - Audio System													
A-1	SITC of Wired Table Button Mics as per tender specifications Item no #A-1	No s.			26		11						37
A-2	SITC of Digital Wireless Microphone with Lanyard as per tender specifications Item no #A-2	No s.	1	1	1								8
A-3	SITC of Digital Signal Processor Type A as per tender specifications Item no #A-3	No s.	1	1									7
A-4	SITC of Gooseneck Microphone as per tender specifications Item no #A-4	No s.				3							3
A-5	SITC of Digital Signal Processor Type B as per tender specifications Item no #A-5	No s.			1								1
A-6	SITC of Digital Wireless Handheld Microphone with Transmitter Type A as per tender specifications Item no #A-6	No s.				10							10
A-7	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type A as per tender specifications Item no #A-7	No s.				4							4
A-8	SITC of Digital Quad Channel True Diversity Receiver Type B as per tender specifications Item no #A-8	No s.	1	1	1								8

A-9	SITC of Wideband Antenna as per tender specifications Item no #A-9	No s.				2							2
A-10	SITC of Digital Quad True Diversity Receiver with Wideband Antenna Splitter Type A as per tender specifications Item no #A-10	KIT				1							1
A-11	SITC of Network Audio Wall Plate as per tender specifications Item no #A-11	No s.				12							12
A-12	SITC of Network Power Amplifier Type A as per tender specifications Item no #A-12	No s.	1	1	3	1	2						13
A-13	SITC of Digital Signal Processor Type C as per tender specifications Item no #A-13	No s.				1							1
A-14	SITC of Network Power Amplifier Type C as per tender specifications Item no #A-14	No s.				3							3
A-15	SITC of Ceiling Loudspeakers as per tender specifications Item no #A-15	No s.	6	6	10	4	6						62
A-16	SITC of Control Room Speakers as per tender specifications Item no #A-16	No s.				1							1
A-17	SITC of Powered Column Speakers as per tender specifications Item no #A-17	No s.			2								2
A-18	SITC of Passive Left & Right Line Array Speakers as per	SET				2							2

	tender specifications Item no #A-18												
A-19	SITC of Passive Subwoofer as per tender specifications Item no #A-19	No s.				2							2
A-20	SITC of Passive Front Fill Speaker as per tender specifications Item no #A-20	No s.				4							4
A-21	SITC of Stage Monitor Speaker as per tender specifications Item no #A-21	No s.				4							4
A-22	SITC of Ceiling Tile Mics as per tender specifications Item no #A-22	No s.			3								3
A-23	SITC of Digital Signal Processor Type D as per tender specifications Item no #A-23	No s.					1						1
A-24	SITC of Digital Wireless Handheld Microphone with Transmitter Type B as per tender specifications Item no #A-24	No s.	2	2	2								16
A-25	SITC of Digital Wireless Lavalier Microphone with Bodypack Transmitter Type B as per tender specifications Item no #A-25	No s.	1	1	1								8
A-26	SITC of Audio Mixer as per tender specifications Item no #A-26	No s.				1							1
A-27	SITC of Drum Kit as per tender specifications Item no #A-27	SET				1							1

A-28	SITC of Headset as per tender specifications Item no #A-28	No s.				1							1
B - Video System													
B-1	SITC of Direct View LED Display Type A as per tender specifications Item no #B-1	No s.				1							1
B-2	SITC of Direct View LED Display Type B as per tender specifications Item no #B-2	No s.				3							3
B-3	SITC of Direct View LED Display Type C as per tender specifications Item no #B-3	No s.	1	1									7
B-4	SITC of Direct View LED Display Type D as per tender specifications Item no #B-4	No s.			2								2
B-5	SITC of 98" LED back-lit Monitor as per tender specifications Item no #B-5	No s.						1	1				6
B-6	SITC of Retractable Monitor as per tender specifications Item no #B-6	No s.			7								7
B-7	SITC of Multiwindow Processor as per tender specifications Item no #B-7	No s.	1		1	2							6
B-8	SITC of Wallplate Type Encoder as per tender specifications Item no #B-8	No s.				2							2
B-9	SITC of Room PC as per tender specifications Item no #B-9	No s.	1	1	1	1	1	1		1			12

B-10	SITC of High End PC as per tender specifications Item no #B-10	No s.				1							1
B-11	SITC of All in one Video Bar Type A as per tender specifications Item no #B-11	No s.						1		1			2
B-12	SITC 22" Monitor as per tender specifications Item no #B-12	No s.				3							3
B-13	SITC of Trolley Mount as per tender specifications Item no #B-13	No s.									1	1	8
B-14	SITC of AV over IP Encoder/Transceiver Type A as per tender specifications Item no #B-14	No s.	2	1	2	10	1						23
B-15	SITC of AV over IP Encoder Type B as per tender specifications Item no #B-15	No s.	4	1	9	3	5						33
B-16	SITC of AV over IP Decoder/Transceiver Type A as per tender specifications Item no #B-16	No s.	8	2	16	18	6						72
B-17	SITC of AV over IP Decoder Type B as per tender specifications Item no #B-17	No s.	2	2	3	6							23
B-18	SITC of Universal Auto Switcher as per tender specifications Item no #B-18	No s.	1	1	1	1	1	1		1	1		14
B-19	SITC of H.264 Recording Appliance Type A as per tender specifications Item no #B-19	No s.	1	1	1								8

B-20	SITC of Recording Appliance Type B as per tender specifications Item no #B-20	No s.				1							1
B-21	SITC of Video Conferencing Codec as per tender specifications Item no #B-21	No s.	1		1	1	1						6
B-22	SITC of PTZ Camera Type-A as per tender specifications Item no #B-22	No s.	2		3		1						10
B-23	SITC of PTZ Camera Type-B as per tender specifications Item no #B-23	No s.	1	1	1								8
B-24	SITC of PTZ Camera Type-C as per tender specifications Item no #B-24	No s.				3							3
B-25	SITC of All in one Video Bar Type B as per tender specifications Item no #B-25	No s.									1		2
B-26	SITC of Annotation Processor as per tender specifications Item no #B-26	No s.	1	1		1							8
B-27	SITC of Camera Switcher Type A as per tender specifications Item no #B-27	No s.			1								1
B-28	SITC of Camera Switcher Type B as per tender specifications Item no #B-28	No s.				1							1
B-29	SITC Tablet Display as per tender specifications Item no #B-29	No s.	1	1		1							8
B-30	SITC of Wireless Presentation System as per tender	No s.	1	1	1	1	1	1	1	1	1	1	25

	specifications Item no #B-30												
C - Control System													
C-1	SITC of Control Processor as per tender specifications Item no #C-1	No s.	1	1	1	1	1						10
C-2	SITC of Table Top Wired Touch Panel as per tender specifications Item no #C-2	No s.	1	1	1	1	1						10
C-3	SITC of Lighting Dimmer as per tender specifications Item no #C-3	No s.				1							1
C-4	SITC of Button Panel as per tender specifications Item no #C-4	No s.				1							1
C-5	SITC of Presentation Remote as per tender specifications Item no #C-5	No s.				1							1
C-6	SITC of Touch Interactive Display as per tender specifications Item no #C-6	No s.			1	2							3
C-7	SITC of Security Mount for Touch Interactive Display as per tender specifications Item no #C-7	No s.			1	1							2
C-8	SITC of Wireless Mobile Charger as per tender specifications Item no #C-8	No s.			7								7
C-9	SITC of Logic I/O Expander as per tender specifications Item no #C-9	No s.			6		3						9

D - Installati on Hardwar e													
D-1	SITC of 6' HDMI Cable as per tender specifications Item no #D-1	No s.	19	9	24	40	10	3	2	3	2	1	193
D-2	SITC of 30' HDMI Cable as per tender specifications Item no #D-2	No s.						1	1	1			7
D-3	SITC of 6' USB 3.0 A-A/B/C Cable as per tender specifications Item no #D-3	No s.	3		3	5	3	1		1	1		24
D-4	SITC of 6' USB 3.0 A-B Cable as per tender specifications Item no #D-4	No s.	2	1	1	2	1						14
D-5	SITC of USB-C Faceplate as per tender specifications Item no #D-5	No s	1	1		1							8
D-6	SITC of 48 Port Network POE+ Switch as per tender specifications Item no #D-6	No s	1	1	2	2	1						12
D-7	SITC of AV Equipment Rack as per tender specifications Item no #D-7	No s.	1	1	1	2	1						11
D-8	SITC of Speaker Cable (2.5 sq.mm) as per tender specifications Item no #D-8	Mt rs	176	176	221	676	234						2363
D-9	SITC of Control and Microphone/Audio Cable as per tender specifications Item no #D-9	Mt rs	12	5	598	94	473						1221
D-10	SITC of U/L Listed Connectors as per	LO T	1	1	1	1	1						1

	tender specifications Item no #D-10												
D-11	SITC of STP/ CAT-6A Cable as per tender specifications Item no #D-11	Mt rs	516	260	793	94 9	425	40		47			48 42
D-12	SITC of Wireless Access Point as per tender specifications Item no #D-12	No s.	1	1	1	1							9
D-13	SITC of IR Probe as per tender specifications Item no #D-13	No s.				1							1
D-14	SITC of AV Lectern as per tender specifications Item no #D-14	No s	1	1		1							8
D-15	SITC of SDI Wallplate as per tender specifications Item no #D-15	No s				4							4
D-16	SITC of 6' USB 3.0 C- C Cable as per tender specifications Item no #D-16	No s.	2	2	1	2	1	1		1			20
D-17	SITC of 30' USB 3.0 A-C cable as per tender specifications Item no #D-17	No s.						1		1			2
D-18	SITC of 15' USB 3.0 C- C cable as per tender specifications Item no #D-18	No s.									1		2
D-19	SITC of Switched Rack PDU as per tender specifications Item no #D-19	No s	1	1	1	2	1						11
D-20	SITC of HDMI Wallplate as per tender specifications Item no #D-20	No s.							1				5
D-21	SITC of SDI to HDMI Bi Directional Converter as per tender specifications Item no #D-21	No s.				4							4

D-22	SITC of 15' HDMI Cable as per tender specifications Item no #D-22	No s.										1	6
E - Lighting System													
E-1	SITC of Light fixture (Type-A) as per tender specifications Item no #E-1	No s				115							115
E-2	SITC of Light fixture (Type-B) as per tender specifications Item no #E-2	No s				5							5
E-3	SITC of Light fixture (Type-C) as per tender specifications Item no #E-3	Mt rs				30							30
E-4	SITC of Light fixture Hardware as per tender specifications Item no #E-4	Mt rs				14							14

SECTION 11 – SCHEMATICS FOR AUDIO VISUAL SYSTEM

Please refer to Annexure A - Room wise AV Schematics.

SECTION 12 –AV INFRASTRUCTURE DRAWINGS REV 01 PDF

Please refer to Annexure E - Infrastructure Drawings.

SECTION- 13 PROFORMA & SAMPLES**□ SAMPLE – I □**

(To print on bidders' company letter head, sign, stamp and submit / upload under Technical Bid)

PROCESS COMPLIANCE STATEMENT

To,

M/s. Antares Systems Limited,

Registered Office: Honganasu, #137/3, Bangalore-Mysore Road,

Opp. to Metro Pillar #P-696, Kengeri, Bengaluru – 560 060, Karnataka.

e-Mail: kushal.b@antaressystems.com, biswajit.c@antaressystems.com.

AGREEMENT TO THE PROCESS RELATED TERMS AND CONDITIONS

FOR THE ONLINE e-TENDERING FOR THE WORK (Tender ID: SBIL-KOL-2025-12-CC-AV)

Dear Sir,

This has reference to the Terms & Conditions for the e-Tendering mentioned in the Tender Document.

This letter is to confirm that:

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business Rules governing the e-Tendering as mentioned in NIT / RFP / GCC of SBI as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the e-Tendering Tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBI and M/s. Antares Systems Limited shall not be liable and responsible in any manner whatsoever for my / our failure to access and bid on the e-Tendering Platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC or any other unforeseen circumstances, etc., before or during the e-Tendering event.
- 5) We confirm that we have a valid Digital Signature Certificate (DSC) issued by a valid Certifying Authority.
- 6) We hereby confirm that we will honour the bids placed by us during the e-Tendering process.

With regards,

Date:

Signature with company seal Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

e-Mail ID:

Phone No.:

❑ **SAMPLE – II** ❑

(To print on legal papers, sign with seal and submit two sets at the office issuing LOI)

ARTICLES OF AGREEMENT

(The first page is to be printed on a Non-Judicial Stamp Paper of `100/-)

(The second page onwards are to be printed on Bond / Legal Papers)

This Agreement made the _____ Day of _____ Month
Two Thousand and _____ between STATE BANK OF INDIA, a
public sector bank formed under the State Bank of India Act, 1955 and having its Corporate Centre
at State Bank Bhavan, Madame Cama Road, Nariman Point, Mumbai – 400 021, Maharashtra,
through the _____,
the authorized officer of SBI (*hereinafter referred to as the “OWNER” / “EMPLOYER” / “BANK” /
“SBI”, which expression shall include the successors and assigns*) of the ONE PART,

AND

M/s. _____, having its registered office at
_____,
a company / partnership / proprietary firm registered under the Companies Act, 2013 / Indian
Partnership Act, 1932 (*hereinafter referred to as the “CONTRACTOR”, which expression shall include
the present directors / partners and also the directors / partners from time to time as also their
respective heirs, legal representatives, administrators and assigns*) of the OTHER PART.

WHEREAS the OWNER is desirous of executing _____

_____ (*hereinafter called the “WORK”*).

AND WHEREAS the OWNER, in order to effectively carry out the work, has engaged M/s.
_____, having its registered office at
_____, (*hereinafter referred to
as the “ARCHITECT / CONSULTANT”*) to prepare scheme plans, detailed drawings & specifications,
description of works, to supervise the work and to assist in concerned technical matters.

AND WHEREAS the Owner has caused the plans, drawings and specifications, priced schedule of quantities of the works to be executed as per conditions of the contract and special conditions prepared with the assistance of the said Architect / Consultant, subject to which the offer of the Contractor shall be accepted.

AND WHEREAS the said drawings numbered as mentioned in the tender documents hereinafter mentioned and to be issued from time to time, the specifications and the schedule of items and quantities have been signed by or on behalf of the parties hereto.

AND WHEREAS the Contractor has deposited with the Owner Rs. _____ /- (Rupees _____ only) as security deposit for the due performance of the Agreement.

AND WHEREAS the Owner has issued letter of intent / work order to the Contractor through the Architect / Consultant.

AND WHEREAS the said drawings inclusive of the specifications, priced schedule of quantities, conditions of contract and special conditions all of which are collectively (*hereinafter collectively referred to as "the said conditions"*) have been signed by the parties hereto and the Contractor has agreed to execute the works upon and subject to the said conditions.

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the payments to be made to the Contractor as hereinafter provided the Contractor shall upon and subject to the said conditions execute and complete the works shown upon the site drawings etc. and such further detailed drawings as may be furnished to the Contractor by the said owner through the Architect as described in the said specifications and the said priced schedule of quantities.
2. The Owner will pay to the Contractor the sum of Rs. _____ /- (Rupees _____ only) (*hereinafter called the "CONTRACT AMOUNT"*) or such other sum become payable hereunder at the times and in the manner specified in the said conditions. However, the actual sum will be paid on the actual value of work done, irrespective of the contract sum.

3. The term "Architect / Consultant" in the said conditions shall mean the said M/s. _____, having its registered office at _____, and in the event of the said Architect / Consultant ceasing to be the Architect / Consultant for the purpose of this contract such other person as shall be nominated for the purpose by the Owner.
4. The said conditions and appendix thereto shall be read & construed as forming part of this agreement, and the parties hereto shall respectively abide by / submit themselves to the said conditions & perform the agreements on their part respectively in the said conditions contained.
5. The plans, agreement and documents above mentioned shall form the basis of this contract and all disputes to be decided in the manner prescribed in the conditions attached hereto.
6. The said contract comprises the works as above mentioned, and all subsidiary works connected therewith within the same site as may be ordered to be done from time to time by the said Owner even though said works may not be shown on the drawings or described in the said specifications or the priced schedule of quantities.
7. This contract is neither a fixed lump sum contract nor a piece work contract but is a contract to carry out the work in respect of the entire project on item rate basis to be paid for according to actual measured quantities at the rates contained in the schedule of quantities and rates or as provided in the said conditions.
8. Notwithstanding what are stipulated in the conditions of this contract hereinbefore, the Owner, through the Architect / Consultant, reserves the right to alter the drawings & nature of the work and of adding to or omitting any items of works form or of having portions of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to this contract.
9. Time shall be considered as the essence of this contract and the Contractor hereby agrees to commence the work soon after the site is handed over to him or from the 14th day after date of issue of formal work order as provided for in the said conditions of contract, whichever is

later, and to complete the entire work within _____ (period of contract), subject nevertheless to the provisions for extension of time.

10. All payments by the Owner / Employer under this Contract will be made only at **Kolkata**.
11. The Contractor shall promptly notify any changes in their constitution to SBI. It shall be open for SBI to terminate the agreement on the death, retirement, insanity or insolvency of any person (s), being director (s) or partner (s) in the said company / firm or on the addition or introduction of a new partner without the previous approval in writing of SBI. But in the absence of and until its termination by SBI as aforesaid, this agreement shall continue to be of full force and effect notwithstanding any changes in the constitution of the firm by death, retirement, insanity or insolvency of any of its partners or the addition or introduction of any new partners. In case of retirement / death, the surviving or remaining partners of the firm shall be jointly and severally liable for the due and satisfactory performance of the terms and conditions of the agreement.
12. Any dispute arising under this agreement shall be referred to the arbitration to a sole arbitrator appointed with consent of the Owner and the Contractor as indicated in the Articles of the General Conditions. The award of the arbitrator shall be final and binding on both parties. The court in Kolkata shall have jurisdiction to determine the same.

That all the parts of this contract have been read by the Contractor and fully understood by them. They further agree to complete the said work to the fullest satisfaction of the Owner / Employer.

IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents through their duly authorized official and the said two duplicates hereof to be executed on its behalf of the day and year first hereinabove written.

EXECUTANTS

OWNER / EMPLOYER
Signature with Seal

CONTRACTOR
Signature with Seal

In presence of:

WITNESSES

1. Signature:

Name:

Address:

2. Signature:

Name:

Address:

1. Signature:

Name:

Address:

2. Signature:

Name:

Address:

(In case of the Company, the common seal be affixed pursuant to resolution of Board of Directors in accordance with Articles of Association of the Company the directors etc. as the case may be affixing common seal may be initial in token thereof and also by putting their names.)

☐ **PROFORMA – I** ☐

(To print on the Contractor's company letter head, sign, stamp and submit at the office issuing LOI)

RUNNING ACCOUNT BILL (RA BILL)

- Name of Contractor / Agency :
- Name of Work :
- Sl. No. of this bill :
- No. and date of previous bill :
- Reference to Agreement No. :
- Date of written order to commence :
- Date of completion as per Agreement :

Sl. No.	Item Description	Unit	Rate (Rs.)	As per tender		Up to Previous R/A Bill		Up to Date (Gross)		Present Bill		Remarks
				Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	
1	2	3	4	5		6		7		8		9

Note:

1. If part rate is allowed for any item, it should be indicated with reasons for allowing such a rate.
2. If ad-hoc payment is made, it should be mentioned specifically.

Net value since previous bill

❑ **PROFORMA – II** ❑

(To print on the Contractor's company letter head, sign, stamp and submit at the office issuing LOI)

ACCOUNT OF SECURED ADVANCE, IF ADMISSIBLE ON MATERIALS HELD AT SITE BY THE CONTRACTOR

No.	Item	Quantity	Unit	Amount	Remarks
(1)	(2)	(3)	(4)	(5)	(6)

Total Value of Materials at Site A
Secured Advance @ % of above value B
<p>Certified that</p> <p>(i) the materials mentioned above have actually been brought by the Contractor to the site of the work and no advance on any quantity of any of this item is outstanding on their security</p> <p>(ii) the materials are of imperishable nature and are all required by the Contractor for use in the work in connection with the items or which rates of finished work have been agreed upon.</p>

Dated signature of Site Engineer preparing the bill

Designation

Dated signature of the Architect / Consultant

Name of the Architect / Consultant

Dated signature of the Contractor

☐ **PROFORMA – III** ☐

(To print on the Client's letter head, sign, stamp and submit at the office issuing LOI)

C E R T I F I C A T E O F M E A S U R E M E N T S

The measurements, on the basis of which the above entries for the Running Bill No. _____ were made, have been taken jointly on _____ and are recorded at pages _____ to _____ of measurement book No. _____

Signature of Contractor

Signature of Architect /
Consultant

Signature of Site Engineer

The work recorded in the above-mentioned measurements have been done at the site satisfactorily as per tender drawings, conditions and specifications.

Architect / Consultant

Site Engineer / Bank's Engineer

☐ **PROFORMA – IV** ☐

(For departmental / internal use)

MEMORANDUM FOR PAYMENT

BILL OF M/s. _____

FOR _____

_____ (Name of the work)

RA BILL NO.: _____

1	Total amount in the bill	`
	Price Variation Adjustments (PVA) on account of escalation in price	
2	of steel, cement & other materials and labour as detailed in separate statement (s)	`
A	Total amount due to the contractor (1 + 2) :	`
3	Deductions:	
(i)	Secured advance paid in the previous RA bill (Payment made till date)	`
(ii)	Retention Money (RM) on value of works as per accepted tenders up to date amount	`
	Less: Already recovered (–)	(–) `
	Balance RM to be recovered:	`
(iii)	Mobilization Advance, if any	`
(a)	Outstanding amount (Principal + Interest) as on date	`
(b)	Liquidated Damages Charges to be recovered in this bill	`
(iv)	Any other departmental material cost to be recovered as per contract, if any	`
(v)	Any other departmental service charges to be recovered if any, as per contract (water, power, etc.) as per enclosed statement (s)	`
B	Total deduction as per contract:	(–) `
	Net amount payable as per contract (A – B):	`

The bill amounting to `..... (Rupees.....only) has been scrutinized by me after due test check of the measurement of works as required and is recommended for payment.

Dated signature of the Bank's Engineer
In-charge of the project

STATUTORY DEDUCTIONS:

(a) Total amount due		`.....
(b) Income Tax (..... %)	(-)	`.....
(c) Other taxes, if any (..... %)	(-)	`.....
(d) Cess (..... %)	(-)	`.....
Net Payable to the Contractor:		`.....

The figure given in the Memorandum for Payment has been verified and the bill passed for payment of `..... (Rupees.....only).

Signature of Premises Officer

Date:

☐ **PROFORMA – V** ☐

(For Architect's use)

PROFORMA OF CERTIFICATE OF PAYMENT BY ARCHITECT / CONSULTANT

Certificate No.:		Date:
Client:	Project No.:	
	Particulars:	
Contractor	Contract / Letter No.:	Date:
	Contractor's Bill No.:	Date:
<p>This is to certify that the amount given below (*) is due to your Contractors for the work done by them and / or against materials delivered at site and/or for advance towards contract on the above referred project.</p>		
Advance against contract		\
Less: Advance adjusted up to date		\
Balance Advance		\
Advance against material delivered at site		\
Amount of work done up to date		\
Total		\
Less: Retention on work done		\
Less: Previously certified amount		\
PRESENT CERTIFICATE (*)		\
<p>Rupees.....only</p> <p>The cost of cement or any other materials supplied by you or payments made by you directly, if any and not covered herein above, should be adjusted before making the payment of the certified amount (*).</p> <p>Necessary Deduction U/S 194C of the Income Tax 1961 and sales tax may be made before paying the above certified amount.</p> <p>By a copy of this letter, we are intimating the Contractors to call on you for the necessary payment.</p>		
Remarks, if any:		
The details of Insurance Policy are given in the next page		
Signature of Architect / Consultant:		
Enclosure: Bill		

☐ **PROFORMA – VI** ☐*(For Architect's use)***DETAILS OF INSURANCE POLICIES**

Type of Policies	Name of Insurance	Amount (₹)	Policy No.	Validity
CAR Policy including 3 rd Party Liability				

Workmen's Compensation

Remarks:

1. This is only on-account payment and is not to be interpreted either as approval of work materials brought or affixed at site or for that matter approval of any sort.
2. The quantum of work done and materials delivered at site have been certified by
3. Should you wish to audit such work, kindly contract the undersigned and oblige.

Signature of Architect / Consultant

☐ **PROFORMA – VII** ☐

(For the use of both the Architect / Consultant and the Contractor)

PROFORMA OF HINDRANCE REGISTER

Name of Work : Date of Start of Work :

Name of Contractor : Period of Completion :

Agreement No. : Date of Completion :

Sl. No.	Nature of Hindrance	Date of Occurrence of Hindrance	Date of Removal of Hindrance	Period of Hindrance	Signature of SE / PE	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)

SE : Site Engineer

PE : Project Engineer

Place: _____

Date: _____



☐ **PROFORMA – VIII** ☐

(For departmental / internal use)

PROFORMA OF REGISTER OF MATERIALS AT SITE ACCOUNT

Name of Work : Name of Article :

Name of Contractor : Estimated Requirement :

Agreement No. : Issue Rate :

Sl. No.	Date of Receipt	Received from / issued to (with)	Receipt	Issue	Balance	Initials of Contractors	Initials of Bank's / Architect's Representatives	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

☐ **PROFORMA – IX** ☐*(For Contractor's use)***PROFORMA FOR APPLICATION BY CONTRACTOR FOR EXTENSION OF TIME**

- 1 Name of the Contractor
- 2 Name of the Works as given in the Agreement
- 3 Agreement / WO
- 4 Tender Amount
- 5 Date of Commencement of Work
- 6 Period allowed for completion as per Agreement
- 7 Date of completion as per Agreement
- 8 Period for which extension of time has been given

Date Month Year

- (a) 1st extension vide Bank's Letter No.
- (b) 2nd extension vide Bank's Letter No.
- (c) 3rd extension vide Bank's Letter No.
- 9 Reasons for which extensions have been previously given (copies of the previous applications should be attached)
- 10 Period for which extension is applied for and the reasons thereof including hindrances time for extra work assigned, if any, etc.

Signature of Contractor

☐ **PROFORMA – X** ☐

(To print on the Contractor's company letter head, sign, stamp and submit at the office issuing LOI)

UNDERTAKING ON SUBMISSION OF FINAL BILL (S)

The Assistant General Manager

State Bank of India

Address: _____

UNDERTAKING ON SUBMISSION OF FINAL BILL (S)

Tender ID: _____

Dear Sir,

This has reference to the Terms & Conditions for the e-Tendering mentioned in the Tender Document.

This letter of undertaking is to confirm –

- 1. We shall submit the final bill (s), duly certified / recommended by the user department and supported by the work completion certificate as per the prescribed format, within 30 days from the date of completion of works.*
- 2. In case we fail to comply Clause 1 above, SBIL shall be at its sole discretion to disregard our bill (s) and may not consider the same for payment.*
- 3. We shall not claim our bill (s) to this effect in future and SBIL shall not be liable to indemnify any amount payable to us in this regard.*
- 4. We understand that SBIL may forfeit ISD amount already / being submitted at its absolute preference, and we shall not claim that amount also anytime further.*

This undertaking is being submitted by us with full conscience and responsibility on our own.

The undersigned is the authorized representative of the company.

We have studied the Commercial Terms and the Business Rules governing the e-Tendering as mentioned in NIT / RFP / GCC of SBI as well as this document and confirm our agreement to them.

With regards,

Date:

Signature with company seal Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

e-Mail ID:

Phone No.:

☐ **PROFORMA – XI** ☐

(To be obtained from the user / occupant upon virtual completion of Scope of Works)

CERTIFICATE OF COMPLETION OF WORKS

1. Name of the Work:	
2. Location of Site (Name of Branch / Office / Quarter, etc.):	
3. Name of the Contractor / Vendor / Agency with Address:	
4. Work Order No. & Date:	
5. Work Order Amount:	
6. Remarks, if any:	

DECLARATION BY THE USER / OCCUPANT / CARETAKER	
1. Remarks, if any, by the User / Occupant / Caretaker on Completion of the Work:	
2. Cleanliness after the Work (Removal of Debris / Rubbish / Unserviceable Materials out of the Site):	

- I / We hereby confirm that the above statements are true to the best of my / our knowledge and on site observation after completion of the work.
- I / We also intimate that the contract work _____ (Name of the Work) given to _____ (Name the Contractor / Vendor / Agency with Address) vide the Work Order No. _____ dated _____ has been executed and completed satisfactorily as on _____.

Signature of the User / Occupant

Signature of the Contractor with Stamp

☐ **PROFORMA – XII** ☐

(To be obtained from SBIL upon actual completion of Scope of Works and Finalization of Bills)

CLIENT'S CERTIFICATE REGARDING PERFORMANCE OF CONTRACTOR

TO WHOM IT MAY CONCERN

NAME & ADDRESS OF THE CLIENT:	State Bank of India Address:
NAME & ADDRESS OF THE CONTRACTOR:	M/s. Address:

Sl. No.	Description – 1	Description – 2
1	Name of the Work with brief particulars	
2	Work Order Details	
3	Work Order Value	
4	Date of Commencement of Work	
5	Stipulated Date of Completion	
6	Actual Date of Completion	
7	Details of Penalty levied for delay (indicate amount), if any	
8	Gross Amount on Final Bill	
9	Name & Address of the Authority under whom the works have been executed	
10	Whether the Contractor employed qualified engineer / overseer during the execution of works	Yes / No
11	Quality of Work	Outstanding / Very Good / Good / Satisfactory / Poor
12	Overall Performance	Outstanding / Very Good / Good / Satisfactory / Poor

This certificate is being issued as requested by the contractor. As such, State Bank of India does not guarantee any financial and performance liabilities on behalf of the contractor as regards to their engagement from your office.

(Stamped Signature with Date of the Issuing Authority)

PROFORMA – XIII
O.E.MANUFACTURERS AUTHORISATION FORM
(in Original Letter Head of OEM)

To

The Assistant General Manager (Admin)

State Bank of India, State Bank Institute of Leadership

Plot No. II F/2, Street No. 329,

Action Area III, Newtown, Rajarhat

Kolkata- 700 160.

Dear Sir,

Subject : **Direct Manufacturers Authorization for the Installation**

Ref : Tender No: _____ dated-----

Name of Work: - -----

Wean established and reputable manufacturer of professional
(Product) having Corporate / Registered office atdo hereby authorize
.....as our Distributor to submit a above bid_____dt_____ and
subsequently negotiate and sign the contract with you for the supply of goods manufactured by us.

We hereby confirm and extend our full guarantee and warranty as per standard service
procedure for the products offered for supply by the above firm only against the invitation for bids
_____dt _____ and only duly authorize the said firm to act on our behalf in fulfilling any
or all installation, technical support and maintenance obligation as required by the contract.

Yours faithfully,

for

Signature of Officer Authorized to sign this Document on behalf of the OEM.

:: **END** :