BID DOCUMENT

Selection of Service provider for Entering into Rate Contract for Design, Installation and Commissioning of Interactive Digital Board Solution

Part -I – TECHNICAL BID

EdCIL (India) Limited
A Govt. of India, Mini Ratna Category-I CPSE
EdCIL House, Plot No. 18A, Sector 16A,
Noida-201301 (U.P.) India
Tel: 0120 – 2512001-006, FAX: 0120-2515372

NIT No- EdCIL/DES/Interactive Digital Board Solution/2020/003

Dated: 04.09.2020

This document is serially numbered from page number 01 to 107

DISCLAIMER

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

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

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

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

The Company also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP. The Company may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

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

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

Table of Contents

Chapter	Subject	Page
1.	Notice Inviting Tender	5-6
2.	Offline and Online Bid Submission	7-8
3.	Term Of Reference And Definitions	9
4.	Instruction of E-Tendering	10-13
5.	Instruction to Bidders	14-35
6.	Scope of Work	36-50
Annexure-I	Declaration Sheet	51
Annexure-II	Letter of undertaking	52
Annexure-III	Undertaking for Non-Blacklisting	53
Annexure – IV	Annual Average Turnover	54
Annexure – V	Details of Projects Completed During Last 3 Years	55
Annexure-VI	List of Orders executed for govt. Organization	56
Annexure-VII	Power of Attorney	57-58
Annexure-VIII	Letter of Bid Submission	59-60
Annexure-IX	Performance Bank Guarantee	61-63
Annexure-X	Delivery Certificate	64-65
Annexure-XI	Installation & Commissioning Report	66-67
Annexure-XII	Manufacturer Authorization Form	68
Annexure-XIII	Performa Pre Contract Integrity Pact	69-76
Annexure-XIV	Contract Form	77-78
Annexure-XV	Pre-Bid Query Format	79
Annexure-XVI	Technical Compliance Sheet	80
Annexure-XVII	Tender Check List	81-83
Annexure-XVIII	Equipment Specification Compliance	84-94
Annexure-XIX	Equipment Pre-Dispatch Inspection Sheet	95-105
Annexure-XX	Declaration on Insolvency	106
Annexure-XXI	Earnest Money Deposit	107

CHAPTER-I

Notice Inviting Tender

EdCIL (INDIA) LTD

(A GOVT. OF INDIA MINI RATNA ENTERPRISE)

SECTOR 16A, NOIDA

(E-Tendering mode)

Date:03-09-2020

Reference no.:	EdCIL/DES/Interactive Digital Board Solution/2020/003
Name of work	Selection of Service provider for Entering into Rate Contract for Rate Contract for Design, Installation & Commissioning of Interactive Digital Board Solution
The Currency in which payment shall be made	Indian Rupees (INR)
Date of Issue/Publishing	04 September, 2020
Document Download/Sale Start Date	04 September, 2020
Document Download/Sale End Date and Time	25 September,2020 at 11:00 Hrs
Date for Pre-Bid Conference and Time	15 September,2020 at 11:00 Hrs
Bid queries should reach by	11 September,2020 by 16:00 Hrs Pre bid queries received later than the date and time mentioned above shall not be entertained Pre Bid Queries should be mailed to destenders@edcil.co.in , avinashkumar@edcil.co.in as per format at Annexure XV
Venue of Pre-Bid Conference	EdCIL House,18 A, Sector-16 A, Noida, U.P. 201301
Last Date and Time for receipts of Bids	25 September,2020 at 13:00 Hrs
Date and Time of Opening of Technical Bids	25 September,2020 at 15:00 Hrs
Date and Time of Opening of Financial Bids	To be informed later

Earnest Money Deposit	Rs. 6,50,000 /- in form of Bank Guarantee from a Nationalized Bank in India/ Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted. In case EMD is submitted in the form of BG, the BG should be valid till 45 days after the bid validity date, as per Annexure-XXI
No. of Covers	02 (Two Packet)
Bid Validity days	180 days (From last date of opening of tender)
On-site Warranty (including annual maintenance)	Three Years Comprehensive Onsite Warranty from the date of successful Commissioning & Handing over to end client.
Performance Bank Guarantee (PBG)	10% of the contract value of the successful bidder. PBG is required to be submitted within 15 days from the date of issue of LOA.
Purchaser and Place of delivery	Billing to be submitted to EdCIL (India) Ltd. Successful bidder shall be responsible for delivery and commissioning PAN India as per the scope of work mentioned in the tender
Email Address	destenders@edcil.co.in, avinashkumar@edcil.co.in
Address	**Corporate Office**: EdCIL House,18 A, Sector-16 A, Noida, U.P. 201301 **Regd. Office:** 5th Floor, Vijaya Building, 17, Barakhamba Road, New Delhi-110001

1. Tender document shall be downloaded from electronic tender portal link available at http://www.tenderwizard.com/EDCIL. Aspiring bidders who have not get registered in online portal should get register/enrolled before participating. Interested bidders are advised to go through instructions provided at "Instructions to Bidders for e-tendering."

2. No manual bids shall be accepted. All bids (both Technical and Financial) should be submitted in the online portal. However, all the credential mentioned in Chapter II clause 1 should be submitted offline, after submission of online bids.

3. Bidders are advised to visit the EdCIL Web site/http://www.tenderwizard.com/EDCIL for getting themselves updated for information on this tender. Corrigendum and addendum may be issued on the changes required. Reply on pre-bid queries received by EdCIL shall be displayed on EdCIL website/e-tendering website. Bidders are advised to visit the webpage regularly and update themselves. The Pre-Bid queries, Corrigendum/addendum are the part of tender documents and Bidders are supposed to upload the same accordingly, duly signed as per the guidelines given in the tender document.

Chief General Manager (DES)
EdCIL (India) Limited,
18 A, Sector-16A, Noida-201 301
Tel: 91-120-2512001 to 2512006

CHAPTER- II

Offline and Online Bid Submission Documents

1. Offline Submissions:

The bidder is requested to submit the following documents offline to the under mentioned address before the start of Public Online Tender Opening Event in a Sealed Envelope at the address.

The envelope shall bear the project name, the tender number and the words 'DO NOT OPEN BEFORE' (due date & time).

I. Original copy of the EMD Security in the form of Demand Draft/BG.

II. Original copy of the power-of-attorney.

Note: The Bidder should also upload the scanned copies of all the above mentioned original documents as Bid-Annexure during Online Bid-Submission.

2. Online Submissions:

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below:-

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Types**
1.	Technical Bid	Annexure-I – Organization Declaration Sheet	.PDF
2.		Annexure II- Letter of undertaking	PDF
3.		Annexure III- Undertaking for Non-Blacklisting	PDF
4.		Annual Average Turnover as per Annexure-IV	PDF
5.		Details of Projects completed during last 3 Years as per Annexure V	PDF
6.		List of orders executed for Govt. Organization as per Annexure VI	PDF
7.		Power of Attorney as per Annexure VII	PDF
8.		Letter of Bid Submission as per Annexure VIII	PDF
9.		Performa pre contract integrity pact as per Annexure XIII	PDF

10.		Manufacturer Authorization Form as per Annexure XII	PDF
11.		Annexure XVI Technical Compliance Sheet	PDF
12.		Annexure XVII Tender Check List	PDF
13.		Annexure XVIII Equipment Specification Compliance	PDF
14.		Annexure XX Declaration on Insolvency	PDF
15.		Annexure XXI Earnest Money Deposit	PDF
Envelope-2			
Sl. No.	**Documents**	**Content**	
1.	Financial Bid	Price bid as per Financial Bid (Form 1 & Form 2)	.PDF

CHAPTER-III
TERM OF REFERENCE & DEFINITIONS

Supplier	Successful bidder
Authorized Signatory	The bidder's representative (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/ authority having the Power of Attorney from the Competent authority of the respective Bidding firm.
Bid	"Bid" means the response to this document presented in Single Packet, Technical Cum Commercial Bid and Financial Bid, which are supplied with necessary documents and forms as given in Annexure, complete in all respect adhering to the instructions and spirit of this document.
Tenderer/Bidder	"Tenderer" or "Bidder" means any individual/proprietor/ partnership firm/ agency/ company/ responding to Request for Proposal and who makes a Bid.
Contract	"The Contract" means the agreement entered into between EdCIL and the selected bidder(s) in terms of clauses mentioned
Day	"Day" means a working day as per rules of EdCIL.
EMD	Earnest Money Deposit
D.D	Demand Draft
EdCIL	EdCIL (India) Limited, Noida (A Govt. of India Undertaking)
TC	Tender Committee
PBG	Performance Bank Guarantee
Security Deposit (SD)	Amount of the Order Value deposited by the Bidder and retained till the successful completion of the project (as long as the bidder fulfils the contractual agreement).
Services	"Services" means the services to be delivered by the successful bidder and as required to run the project successfully as per the Contract.
RFP	"**RFP**" means the Request For Proposals
Order	"Order" shall mean the Letter of Award/Work order and its attachments and exhibits.
Consignee	"Consignee" shall mean EdCIL (India) Limited.
OEM	Original Equipment Manufacturer of Interactive Digital Board
Similar Project	Installation and commissioning of Interactive Digital Board Solution.
Validity of Documents	Validity of all the documents shall be counted from the last date of submission of bids

CHAPTER-IV
INSTRUCTIONS FOR E-TENDERING

1. Instructions for Online Bid Submission:

1) E-tendering is new technology for conducting public procurement in a transparent and secured manner. As per Government of India's directives, EdCIL (India) Limited has adopted E-tendering.

2) For conducting electronic tendering, EdCIL (India) Limited has decided to use Electronic tender portal link available with detailed information on e-tendering process. This portal built using Electronic tender's software is referred to as http://www.tenderwizard.com/EDCIL.

3) The bidders are required to submit soft copies of their bids electronically on http://www.tenderwizard.com/EDCIL e-tendering website, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the Tender Wizard E-Tendering Portal, prepare their bids in accordance with the requirements and submitting their bids online on the Tender Wizard E-Tendering Portal.

4) The scope of work to be tendered is available in the complete bid documents which can be viewed /downloaded from Tender Wizard E-Tendering Portal of http://www.tenderwizard.com/EDCIL. Both Technical Bid and Financial Bid will be submitted concurrently duly digitally signed in the website http://www.tenderwizard.com/EDCIL. No claim shall be entertained on account of disruptions of internet service being used by bidders. Bidders are advised to upload their bids well in advance to avoid last minute technical snags.

5) All Corrigendum/Amendment/Corrections, if any, will be published on the website http://www.tenderwizard.com/EDCIL as well as on EdCIL's website.

6) It is mandatory for all the applicants to have class-III Digital Signature Certificate (in the name of person who will sign the bid document) from any of the licensed certifying agency (Bidders can see the list of licensed Certifying Agencies from the link www.cca.gov.in) to participate in e-Procurement of EDCIL.

7) It is mandatory for the bidders to get their firm/company registered with e-procurement portal of EDCIL, i.e. www.tenderwizard.com/EDCIL to have user ID & password by submitting a non-refundable annual registration charges as follows:

1	Registration charges for 1 year	Rs. 2000/-

(exclusive of taxes, levies, etc.) which can be paid online using the e-payment gateway to KEONICS through the portal address mentioned above. The registration so obtained by the prospective bidder shall be valid for one year from the date of its issue and shall be subsequently renewed.

(i) Participant shall safely keep their User ID and password, which will be issued by the service provider i.e. KEONICS Ltd. upon registration, and which is necessary for e-tendering.

(ii) Bidders are advised to change the password immediately on receipt of activation mail.

(iii) Bidders shall not disclose their User ID as well as password and other material information relating to the e-tendering to any one and safeguard its secrecy.

8) Submit your tender well in advance by relevant documents along with copy of EMD of tender submission deadline on Tender Wizard E-Tendering Portal http://www.tenderwizard.com/EDCIL, as there could be last minute problems due to internet timeout, breakdown, etc.

9) Tenders should be submitted only through Tender Wizard E-Tendering Portal and obtain the Tender Acknowledgement copy as a proof of successful submission.

10) Vendors Training Program: Vendors are requested to contact at Tender wizard Helpdesk for any information regarding E-tendering / training.

a) For online registration, intended bidders may write us at harishkumar.kb@etenderwizard.com or contact no. 080-40482100/9964074577/9650520101.

b) For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender please contact Tender wizard Helpdesk.

c) Telephone: 080-40482100/9650520101/9964074577 or write us mail on Email Id:- harishkumar.kb@etenderwizard.com,ratan.thakur@etenderwizard.com, varun.b@etenderwizard.com.

2. PREPARATION OF BIDS

I. **Bidder should take into account any corrigendum/addendum published on the portal before submitting their bids.**

II. **Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.** Please note the number of covers in which the bid documents have to be submitted, the number of documents-including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

III. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, they can only be in PDF format. Bid documents may be scanned with 100dpi with black and white option.

3. SUBMISSION OF BIDS

I. Bidder should log into the site well in advance for bid submission and complete all formalities of registration (at least two days in advance of the closing date) so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be sole responsible for any delay in uploading of bid within the stipulated time.

II. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

III. Bidder has to pay EMD as applicable through demand draft/BG as per tender condition in favour of "EdCIL (India) Ltd" payable at Noida and enter details of the instruments. Original copies of demand draft/BG for EMD are required to be submitted.

IV. A standard Financial Bid form has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the financial bid format is found to be modified by the bidder, the bid will be rejected.

V. The server time will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

VI. Upon the successful and timely submission of bids, the portal will give

a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

4. ASSISTANCE TO BIDDERS

Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority. For any other tender related queries bidders are requested to contact on below given numbers/email.

Telephone / Mobile/ E-mail ID	Vendors Training Program: Vendors are requested to contact at Tender wizard Helpdesk Office for any information regarding E-tendering / training. a) For online registration, intended bidders may write us at harishkumar.kb@etenderwizard.com or contact no. 080-40482100/9964074577/9650520101. b) For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender please contact Tender wizard Helpdesk. Telephone: 080-40482100/9650520101/9964074577 or write us mail on Email:Id:- harishkumar.kb@etenderwizard.com, ratan.thakur@etenderwizard.com, varun.b@etenderwizard.com & cc to: destenders@edcil.co.in

5. Offline Submissions: (AS PER TENDER REQUIREMENT)

The bidder is requested to submit documents as mentioned in the Chapter II Clause 1.

6. MINIMUM REQUIREMENTS AT BIDDER'S END

- Computer System having configuration with minimum Windows 7 or above, and Broadband connectivity
- Digital Certificate(s)

CHAPTER-V

INSTRUCTIONS TO BIDDERS

1. **Due date**: The tender has to be submitted before the due date and time. The offers received after the due date and time will not be considered.

2. **Preparation of Bids**: The offer/ bid shall be submitted in two bid system i.e Technical Bid and Financial Bid. The technical bid shall consist of all technical details along with commercial terms and conditions. Financial bid shall indicate break up price for the various products and services mentioned in the technical bid in the given PDF format.

3. **Cost of Bidding:** The bidder shall bear all costs associated with the preparation and submission of its bid, including cost of presentation for the purposes of clarification of the bid, if so desired by the client and client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
   The firm is expected to carefully examine all instructions, forms, terms and specifications in the bid document. Failure to furnish all information required in the bid document or submission of a bid not substantially responsive to the bid document in every respect will be at the firm's risk and may result in the rejection of the bid.

4. **EMD:** The The Bidder should submit EMD through Demand Draft drawn in favor of "EdCIL (India) Limited" payable at NOIDA/ New Delhi from any Nationalized bank. The Bid sent without Bid fee and EMD would be considered as UNRESPONSIVE and will not be considered.

   In case EMD is submitted in the form of BG, the BG should be valid till 45 days after the bid validity date, as per Annexure-XXI

   The bidder should enclose EMD of Rs. 6,50,000/- (Rupees Six Lakhs Fifty Thousand only) in the form of Bank Guarantee/ Demand Draft drawn in favor of EdCIL (India) Limited and payable at NOIDA, with the Technical Bid.
   Note: Bidders registered with MSME and having valid registration certificate issued by NSIC/MSME are exempted for submission of EMD. However, MSMEs are advised to submit their financial solvency certificate issued not earlier than 3 months from the last date of bid submission.

5. **Refund of EMD:**

   I. The EMD will be returned to unsuccessful Tenderer only after the Tender is finalized.

   II. Earnest money will be forfeited if the bidder unilaterally withdraws the offer, or unilaterally amends, impairs or rescinds the offer within the period of its validity.

   III. In Case of Successful Bidder, the EMD shall be refunded after submission of 10% Performance Bank Guarantee from a nationalised bank operating in India.

6. **Acceptance/ Rejection of bids**:

- EdCIL reserves the right to reject any or all offers without assigning any reason.

- EdCIL based on the requirement without assigning any reason to the Bidder may split work/Scope/Bid offer in stages or in parts according to the need of work for ease of execution of work.

- EdCIL reserves right to take decision according to requirement and no claim on whatsoever ground shall be entertained from the bidder.

7. **Overall bid Evaluation Process:**

Evaluation will be based on the bidder meeting the Pre- qualification criteria and subsequently evaluation of financial bid. It is mandatory for the bidder to fulfill all the pre-qualification criteria to be technically qualified and for being considered for opening of their Financial Bid and evaluation thereof. EdCIL reserves the right to assess bidder's capability and capacity to perform the contract, should circumstances warrant such an assessment in the overall interest of the EdCIL or project.

PRE-QUALIFICATION CRITERIA:

Documents must be provided in support of the following otherwise bids will be summarily rejected.

S. No.	Pre- Qualification Criteria	Supporting Documents
1.	The bidder should be registered under Companies Act, 1956 and 2013 in India and should have been in operation in India for at least last 5 years as on the date of submission of the bid. Consortium of companies/ firms is not allowed.	i. Certificate of Incorporation ii. Memorandum and Articles of Association
2.	The bidder should have an average annual turnover of at least 50 Crores from IT/ITES services in last three financial years i.e. 2017-18, 2018-19 & 2019-2020 with net profit and positive net worth. **For MSME registered with NSIC** The bidder should have an average annual turnover of at least 45 Crores from IT/ITES	i. Audited Profit and Loss Statement and Balance sheets. ii. Auditor Certificate clearly specifying the turnover from IT/ ITES services with net profit and positive net worth

	services in last three financial years i.e. 2017-18, 2018-19 & 2019-2020 with net profit and positive net worth.	
3.	The bidder/OEM should have executed similar project in at least 200 classrooms during the last three years as on date of issue of bid in Government/Private Educational Institution in India. **<u>For MSME registered with NSIC</u>** The bidder/OEM should have executed similar project in at least 180 classrooms during the last three years as on date of issue of bid in Government/Private Educational Institution in India.	Work Order and Completion Certificate with satisfactory performance from the end client OR Work Order + Certificate from the end client showcasing that supply and commissioning of interactive digital board is at least completed (for ongoing projects). For any end client certificate submitted the total number of interactive digital board supplied and commissioned and total number of classrooms covered should be clearly specified.
4.	The bidder/OEM must have trained at least 150 teachers in similar project in Education Sector in India during last three years as on date of issue of bid in Government / Private Educational Institution in India. <u>For MSME registered with NSIC</u> The bidder/OEM must have trained at least 140 teachers in similar project in Education Sector in India during last three years as on date of issue of bid in Government / Private Educational Institution in India.	Work Order and Completion Certificate from the end client. OR Certificate from end client clearly stating the number of teachers trained in similar project
5.	Bidder/OEM should have executed at-least one similar project of at-least 50 classrooms in Govt. Institutes/Schools during the last three years as on date of issue of bid in India. **<u>For MSME registered with NSIC</u>**	Work Order and Completion Certificate with satisfactory performance from the end client OR Work Order + Certificate from the end client showcasing that

	Bidder/OEM should have executed at-least one similar project of at-least 40 classrooms in Govt. Institutes/Schools during the last three years as on date of issue of bid in India.	supply and commissioning of interactive digital board is at least completed (for ongoing projects). For any client certificate submitted the total number of interactive digital board supplied and commissioned and total number of classrooms covered should be clearly specified.
6.	The Bidder/OEM should have at least one service centre in each geographical zone in India along with presence in four states in each zone for addressing the service support.	Details of regional service support center on the letter head duly signed by authorized signatory by the bidder.
7.	Bidder should not be debarred by any state government, Central Government/State Government/PSU/Government Bodies/Autonomous Bodies/Private Sector	The bidder shall furnish an undertaking duly attested by notary in a non-judicial stamp paper of value INR100/- (Rupees One Hundred Only)
8.	The bidder should have valid GST registration and PAN number.	i. Copy of the GST registration. ii. Copy of the PAN Number.
9.	The bidder should possess ISO 9001:2015. The OEM should have ISO 9001, ISO 14001 & BH OHSAS 18001, E-waste Clearance in India.	Copy of valid certificate issued from the accreditation organization to be submitted as documentary proof.
10.	The bidder should submit valid undertaking letter from the OEM for Hardware and System Software confirming following: · OEM(s) of the proposed product(s) shall provide support including spares, updates, patches, security patches, fixes, bug fixes, for the quoted products for the entire contract period and; · That the proposed products meet the technical & functional requirements & also products quoted are of the latest version / specification and are not nearing end of life.	A letter of undertaking by manufacturer (OEM) should be submitted as per Annexure XII provided in this RFP

Note: All the aforementioned documents must be self-attested before uploading on the e-Tender portal. OEM refers to the original equipment manufacturer of Interactive Digital board.

- EdCIL reserves the right to physically verify the office or any document provided by the bidder in the way EdCIL desires.

- Technical bids will also be reviewed for compliance with the necessary instructions, terms and conditions, scope of work, formats etc. as outlined in this tender.

- **The bidder who meet all the eligibility criteria shall be declared qualified in technical evaluation stage and notified for opening of their financial bids.** They would also be advised to attend opening of the financial bid.

Evaluation of financial bids:

- Financial bid will be inspected to ensure conformance to the format provided in the tender document.

- If there is any discrepancy between words and figures in any part of the financial bid, the amount indicated in words will prevail.

- The bidder shall quote the equipment prices as per the price format given in the Financial Bid.
- Bidder have to quote for all the items specified in the financial bid as per the technical specification specified. The offers will be evaluated on the total price which should be inclusive of 3 years warranty period.
- Any optional item/modules, accessories etc required for meeting the tender criteria may be quoted separately, if required. The tenderer should indicate brand name, type / model number of the material offered.

- **The Financial bid shall be opened for only those bidders who have been found to be technically eligible. The financial bids shall be opened in presence of representatives of technically eligible bidders, who may like to be present. EdCIL shall inform the date, place and time for opening of financial bids.**

- Financial bid should be checked by bidders to ensure conformance to the format provided in the tender document.

- If there is any discrepancy between words and figures in any part of the financial bid, the amount indicated in words will prevail.

The technically qualified bidder who has quoted the lowest price in the financial bid will be L1.

- The L1 bidder will have to match the lowest price for each of the line items as mentioned in Financial Bid quoted by any of the bidder. The L1 bidder will also have to match the

lower price for each additional year of warranty quoted by any of the bidder.

8. Warranty :

Bidder will provide 3 years onsite comprehensive warranty from OEM as per their standard warranty policy on all the products specified in the scope of work. The Warranty start will be reckoned from the date of commissioning as approved by the end client

9. Duration:

Duration of the rate contract is for 1 year. The same can be extended based on satisfactory performance for one year at a time to maximum period of 2 years. However, the financials would be negotiated after every one year/at the time of renewal of contract based on the volume of business awarded or expected and any other related factors.

10. Performance Security:

The successful bidder should be required to deposit Performance Bank Guarantee equivalent to 10% of contract value to EdCIL within 15 days from the date of receipt of Letter of Award/ Work Order. The Performance Bank Guarantee should be issued by a nationalized bank in favour of **"EdCIL (India) Limited"** to be valid for a period of 90 days beyond the date of completion of contract period. This Performance Bank Guarantee should be retained throughout the currency of the contract and should be extended by the bidder from time to time, as required by EdCIL.

PBG shall be returned to the successful bidder only after 90 days of the successful completion of the Contract. In case of any shortfall of any activity/ specification/ other terms and conditions of the contract, EdCIL reserves the right to recover damages or loss from the due the payment or by the encashment of PBG.

11. Force Majeure:

The Supplier should not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events shall include, but are not limited to, acts of the Consignee either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- If a Force Majeure situation arises, the Supplier should promptly notify the Consignee in writing of such conditions and the cause thereof. Unless otherwise directed by the Consignee in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and should seek all

reasonable alternative means for performance not prevented by the Force Majeure event.

12. Risk Purchase Clause:

In event of failure of completion of work within the stipulated delivery schedule, the consignee has all the right to purchase the item/equipment/service from the other source on the total risk & loss of the supplier under risk purchase clause.

13. Prices:

i. The price should be quoted in per unit and must include all packing, delivery and commissioning charges. The offer/bid should be exclusive of taxes and duties, which will be paid as applicable. However, the percentage of taxes and duties should be clearly indicated. The inter se merit position of the bids however shall be decided based on the composite price of the product including taxes, transportation, Warranty & AMC with all other incidental expenses indicated.

ii. The prices must be quoted in the Performa given in Financial Bid, failing which the Bid would be treated as unresponsive. Any discount or any other offers affecting the package price must be mentioned in Financial Bid only. Discount or any other offers affecting the Package price mentioned at any other place of the bid other that Financial Bid will not be considered.

iii. The price quoted should be inclusive of 3 years comprehensive onsite warranty including basic training and demonstration to the end client.

iv. Price quoted by the bidder is including all transportation and installation etc. cost (if any)

14. Notices: For the purpose of all notices, the following should be the address

The Chief General Manager (DES)
EdCIL (India) Limited,
18 A, Sector-16A,
Noida-201 301,Uttar Pradesh
Tel: 91-120-2512001 to 2512006

Supplier: (To be filled in by the supplier)

15. Resolution of Disputes: The dispute resolution mechanism to be applied pursuant should be as follows:

i. In case of Dispute or difference arising between the Consignee and a domestic supplier

relating to any matter arising out of or connected with this agreement, such disputes or difference should be settled in accordance with the Indian Arbitration &Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof should apply to the arbitration proceedings.

ii. The dispute should be referred to the Competent Authority, EdCIL and if he/she is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed should be final, conclusive and binding on all parties to this order.

iii. In the case of a dispute between the consignee and a Foreign Supplier, the dispute should be settled by arbitration in accordance with provision of sub-clause (i) & (ii) above. But if this is not acceptable to the supplier then the dispute should be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

iv. The venue of the arbitration should be the place from where the order is issued.

v. Any legal disputes arising out of any breach of contract pertaining to this tender should be settled in the court of competent jurisdiction located within New Delhi.

16. <u>Pre-Delivery Inspection and Tests:</u>

Inspection and tests prior to shipment of Goods and at final acceptance are as follows:

I. The pre-delivery inspection of the goods should be carried out (at the location provided by the successful bidder) by the EdCIL officials to check whether the goods are in conformity with the technical specifications attached to the LOA/Work Order. A team including the representative of the end client would inspect the material if required.

II. The inspection test will be conducted by the EdCIL officials, their consultant or other such person nominated by the EdCIL and by the end client (if required), in the presence of supplier's representatives. The inspection will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There should not be any additional charges for carrying out inspection test. No malfunction, partial or complete failure of any part of the equipment is expected to occur.

III. Successful conduct and inspection of the acceptance test for the installed goods and equipment should also be the responsibility and at the cost of the Supplier.

IV. The time taken for pre-dispatch inspection is inclusive of the scheduled completion time of the delivery & installation of the equipment. Only the line item certified by the EdCIL official should be dispatched to the end client.

17. Right to Use Defective Goods

I. If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Consignee should have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Consignee's operation.

II. Replacement of Goods broken, damaged or short: In the event of any material or part thereof found broken or damaged or received short during transit or during installation or Commissioning or testing at site, before commissioning in service the supplier should replace the same at free of cost. However, EdCIL will recover amount equivalent to the cost of such damaged / broken / short supplied materials and will repay when actual replacement is given.

III. Substitution and Wrong Supplies: Unauthorized substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or rejected good should be returned to the supplier at their own cost and risk.

18. Supplier Integrity

The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.

19. Governing Language

The contract should be written in English language. English language version of the Contract should govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, should be written in the same language.

20. Applicable Law

The Contract should be interpreted in accordance with the laws of the Union of India and all disputes should be subject to place of jurisdiction. The place of jurisdiction would be New Delhi (Delhi) INDIA.

21. Insurance

I. For delivery of goods at the end clients location, the insurance should be obtained by the Supplier in an amount equal to 110% of the value of the goods from "supplier location to end client location" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance should be valid for a period of not less than 3 months after installation and commissioning. If orders placed on CIF/CIP basis, the insurance should be up to End Client place

II. The Supplier should make all arrangements towards safe and complete delivery at End Clients Location. Such responsibility on part of the supplier will include taking care of insurance, freight, octroi, state level permits etc. as applicable.

III. The supplier should also take care of transit insurance, comprehensive insurance or any other insurance which have direct bearing on the delivery of the items / equipments at End Clients location.

IV. It is the total responsibility of supplier to complete all formalities to transit of goods from the place of dispatch to End Clients Location.

V. The bidder should ensure that no person can engage in the business of a common carrier unless he has granted a certificate of registration to do so for supply of items at End Clients Location.

VI. The transportation of goods through unregistered common carrier is illegal. The bidder should ensure to comply the carriage by latest Road Act and any other relevant.

VII. The supplier will keep EdCIL informed about various stages of deliveries & installation. The supplier shall provide a copy of insurance certificate to EdCIL.

22. Site Preparation

I. The supplier should inform to the Consignee about the site preparation, needed for the installation of equipment, immediately after the receipt of the LOA/Work Order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the End Client should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.

II. The supplier should visit the End clientss Location and see the site where the equipment is to be installed and should offer his advice and render assistance to the End Client in the preparation of the site and other pre installation requirements.

23. Installation

The equipment has to be installed and commissioned by the successful bidder as per the timelines specified in clause 29. In case of any miss-happening/ damage to equipment during the carriage of equipment from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. EdCIL or End Client will not be liable to any type of losses in any form.

24. Spare Parts

The Supplier should be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

I. Such spare parts as the Consignee should elect to purchase from the Supplier, providing that this selection should not relieve the Supplier of any warranty obligations under the Contract; and

II. In the event of termination of production of the spare parts:
Advance notification to the Consignee of the pending termination, in sufficient time to permit the Consignee to procure needed requirements; and following such termination, furnishing at no cost to the Consignee, the blueprints, drawings and specifications of the spare parts, if requested.

III. Supplier should carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components should be supplied as promptly as possible but in any case within six months of placement of order.

25. Product Life:

The Models offered should strictly conform to the specifications given in the product literature and these models should be supported for a minimum period of 5 years. The Models proposed/ marked for withdrawal from the market and the models under quality testing should not be offered.

In addition to the above, if any additional/ enhanced configuration is suggested in view of technological changes, it may be furnished as optional feature with/without cost duly explaining the additional utility of the offered model in both the technical offer document as well as Commercial Offer document. However, the basic quote should be confined only to the configuration/ model offered for.

26. Defective Equipment:

I. If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment should be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made.

II. All damaged or unapproved goods should be returned at suppliers cost and risk and the incidental expenses incurred thereon should be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, should be replaced as per specified in SLA on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, EdCIL INDIA LTD should consider "Banning" the supplier.

27. Notices

- Any notice given by one party to the other pursuant to this contract/order should be sent to the other party in writing or FAX or e mail and confirmed in writing to the other party's address.

- A notice should be effective when delivered or on the notice's effective date, whichever is later.

28. Taxes:

- Selected Bidder should be entirely responsible for all taxes, duties, road permits, etc., incurred until delivery of the contracted Goods/Services. EdCIL shall only make payment towards the GST Charged in the invoice other than that no other taxes/ duties/ Charges will
be paid.

29. Project Timelines:

- Bidder shall make all the arrangements for the timely delivery and installation of equipment for successful completion of project. No other incidental/TA/DA/any other such expenditure shall be paid by EdCIL.

T= Time at which work order is issued;
DT= Delivery Time; AT= Acceptance of LOA Time: BT=Bank Guarantee Submission Time: PT=Pre Delivery Inspection Time; IT=Installation Time
CT= Commissioning Time: TT=Teacher Training Time

S. No	Timeline (in Calen days)	Details
1.	AT= T+7 Days	Acceptance of LOA should be within 7 days from the issue of work order
2.	BT= T+15 Days	Bank Guarantee amounting to 10% of the contract value should be submitted within 15 days from the issue of work order
3.	PT= T+ 45 Days	Pre-Delivery Inspection of 10 % of the total quantity of order should be done within 45 days from the issue of work order
4.	DT= T+ 70 Days	Delivery of the equipment should be completed within 70 days from the issue of work order.
5.	IT=T+85 Days	Installation & Commissioning of Hardware shall be done within 85 days from the issue of work order. However, support during necessary 3 years comprehensive onsite warranty period beyond this shall be provided as per the terms specified in this document. The warranty period shall start from the date of commissioning.
6.	TT= IT+10 days	Teacher Training shall be done within 10 days after installation and commissioning.

Note: EdCIL reserves the right to revise the timelines as per the requirement of the end client. The milestones and timelines can be changed as per the requirements of the individual projects/end client at the time of award of work order.

30. PAYMENT TERMS

- Payments will be done on the back to back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client on submission of the required document.

S.No	Milestone	Payment % of Contract Value
1	Payment shall be released after: Satisfactory PreDelivery Inspection of equipments by PDI Committee and submission of signed and stamped inspection report to EdCIL as per the entire satisfaction of the end client. Payment will be made if items are found in good condition as per term and conditions mentioned in the RFP. **AND** Successful delivery of all hardware items at the specified end client locations and submission of all delivery certificate signed and stamped by authorized representative of end client as per term and conditions mentioned in the RFP. The bidder should submit the following documents duly signed and stamped by the authorized representative of end client to the EdCIL for the release of due payment. · Original Tax invoice showing contract number, goods description, quantity unit price, total amount. · PDI Certificate · Delivery Certificate · Insurance Certificate. · Manufacturer's/ Supplier's warranty certificate.	40%
2	Payment shall be released after successful installation and commissioning at end client location.	50%

	The bidder should submit the following documents duly signed and stamped by the authorized person to the EdCIL for the release of due payment. · Installation & Commissioning report . Training Attendance Sheet . Minimum 5 number of colored photographs of training and installation at each site are to be provided by bidder in the soft copy	
3	The comprehensive onsite warranty will be for a total period of 3 years. Payment shall be released after successful completion of 2nd year comprehensive warranty period i.e. after two year from the date of commissioning sign off with end client. The bidder should submit the following documents to the EdCIL for the payment: · Detailed Monthly SLA Reports of problems and solutions	5%
4	The comprehensive onsite warranty will be for a total period of 3 years. Payment shall be released after successful completion of 3rd year comprehensive onsite warranty period i.e. after three years from the date of commissioning sign off with end client. The bidder should submit the following documents to the EdCIL for the payment: · Detailed Monthly SLA Reports of problems and solutions	5%

NOTE: Warranty start will be reckoned from the date of commissioning as approved by the end client. Part payment can be made against commissioning in accordance to the progress of the project.

31. Termination for Default

The Consignee should, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

I. If the Supplier fails to complete the work within the period(s)specified in the order, or within any extension thereof granted by the Consignee; or
II. If the Supplier fails to perform any other obligation(s) under the Contract.
III. If the Supplier, in the judgment of the Consignee has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
IV. For the purpose of this Clause:

- "**Corrupt practice**" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

- "**Fraudulent practice**" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;'"

- In the event the EdCIL terminates the Contract in whole or in part, the EdCIL should procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier should be liable to the EdCIL for any excess costs for such similar Goods or Services. However, the Supplier should continue the performance of the Contract to the extent not terminated.

32. <u>Award of Contract:</u>

i. EdCIL reserves the right to accept or reject any proposal and to annul the bidding process and reject all proposals at any time prior to award of contract, without thereby incurring any liability to the Bidders. In case of annulment, all proposals submitted and specifically, proposal securities shall be promptly returned to the Bidder.
ii. EdCIL has the right to review at any time prior to award of contract that the eligibility criteria, are still being met by the Bidder whose offer has been determined as first rank. A proposal shall be rejected if the eligibility criteria are no longer met by the Bidder whose offer has been determined as first rank.
iii. The bidder shall not sublet the contract to any other vendor. The project has to be directly executed by bidder itself.

33. <u>Technology Advancement:</u>

- According to technology advancement successful bidder has to provide upgraded product without any extra cost to meet the technology advancement of the market.

34. Rates in Figures and Words:

Rates Quoted by the Bidder in tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the bidder in figures and in words tally but the amount is not worked out correctly, the rates quoted by the Bidder will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s) and amount blank, it will be presumed that the Bidder has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

In the case of any tender where unit rate appear unrealistic, such tender will be considered as unbalanced and in case the tender is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.

35. Service Level Agreement:

Service Level for the warranty are as follows:

Warranty and Post Warranty Support obligations:

Repair of faulty IDB and other Hardware components SLA.

Sl.	Type of Incident	Resolution Time* {C: Date of reporting of complaint}	Penalty
1.	Incident 1: Repair of any Hardware items, its component and its software.	Within 2 (two) working days of reporting of complaint. C+2= T0	No penalty
		T0+2=T1	0.5% of the value of the hardware for every unresolved incident
		T1+2=T2	1% of the value of the hardware for every unresolved incident

		T2+15=T3	2% of the value of the hardware for every unresolved incident
		>T3	Replacement of the hardware along with penalty of 10% of the value of the hardware for every unresolved incident on monthly basis.
2.	Incident 2: Replacement of faulty part/component of any hardware	Within 4 (four) working day reporting of complaint. C+4= T0	No penalty
		T0+4=T1	1% of the value of the hardware for every unresolved incident
		T1+2=T2	2% of the value of the hardware for every unresolved incident
		T2+15=T3	5% of the value of the hardware for every unresolved incident
		>T3	Replacement of the hardware along with penalty of 10% of the value of the hardware for every unresolved incident on monthly basis.
3.	Incident 3: Replacement of the hardware	Within 8 (eight) working day reporting of complaint. C+8= T0	No penalty
		>T0	Penalty of 5% per week subject to a maximum of the total value of the Hardware

*Note:

If the total number of incidents reported in any month exceeds the 20% of number of units supplied then an additional penalty of 10% of the cost of the affected hardware shall be imposed/.

Further, while signing of Contract Agreement SLA may be redefined as per the project

requirement.

Compliance & Reporting procedures SLAs

Sl. No.	Measurement	Definition	Target	Penalty
1.	Submission of monthly complaint & resolution Reports	The selected Bidder shall submit the monthly complaint & resolution reports as requested by the EdCIL.as defined in the reporting requirements of scope of work.	Report for the previous month shall be submitted by the 7th of the next month.	INR 500 every 1 day of delay in submission on an incremental basis to a maximum of INR 2,500.

- In case any complaint cannot be resolved onsite then a backup unit has to be provided until the original unit is fixed and reinstalled.
- There has to be 24*7 toll free number for all complaint and support requests by OEM/bidder in minimum two languages (a. English b. Hindi).
- Any miss happening with students or teachers due to faulty performance (Example: Overheating, explosion etc. of electronics products) of products will penalized on back to back basis.

36. <u>Pre-Dispatch Inspection (PDI)</u>

Sl. No.	Measurement	Definition	Target	Penalty
1.	Notice for Pre Dispatch Inspection	The selected Bidder shall issue a notice to EdCIL to get the Pre-Inspection done.	Notice shall be issued at least 10 days prior to the scheduled Pre Dispatch Inspection of all the IT related Hardware supplied for the Virtual classroom.	INR 500 every 1 day of delay in issue of notice on a daily incremental basis of INR 500 subject to a maximum of INR 2,500.

37. Liquidity Damage

Sl. No.	Measurement	Penalty
1.	Delivery of the equipment should be completed within 70 days from the issue of work order.	Penalty of 1% for first week, 1% per week for every subsequent week subject to a maximum of 10% of the relevant Milestone payment. Once the maximum is reached, EdCIL has the right to terminate the contract without any liability to cancellation charges and encash the submitted performance guarantees.
2.	Installation & Commissioning of Hardware shall be done within 85 days from the issue of work order.	

38. Escalation Matrix:

The bidder should provide at-least 3 level escalation matrix for providing resolution of the complaints at local level

39. Amendment in Tender Document:

At any time up to the last date for receipt of RFP, EdCIL may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective firm, modify the Bid Document by an amendment. The amendment will be notified on EdCIL's website to the prospective bidders who have received the Bid Documents and will be binding on them.

40. Arbitration

a. If any dispute arises out of the contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to a sole arbitrator as per Arbitration and Conciliation Act, 1996 of Government of India or any statutory modifications or re-enactment thereof.

b. All legal proceedings shall have to be lodged in courts situated in New Delhi (India) and not elsewhere.

c. All arbitration proceedings shall be conducted in English. Recourse against anyArbitral award so rendered may be entered into court having jurisdiction or application may be made to such court for the order of enforcement as the case may be.

d. The Arbitral Tribunal shall consist of the sole Arbitrator appointed by mutual agreement of the parties.

e. Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided herein, the parties shall nevertheless pending the resolution of the controversy or disagreement continue to fulfill their obligation under this Agreement so far they are reasonably able to do so.

41. Compensation

In consideration of the Services hereunder, EdCIL India Limited shall pay BIDDER the fees and expenses ("Charges") as specified in Commercial. All amounts payable to BIDDER are exclusive of any Taxes. EdCIL India Limited shall be entitled to deduct from applicable payments to BIDDER, any tax on BIDDER' income deductible at source at the rates applicable as per the provisions of Income Tax Act 1961 and provide BIDDER with evidence or certificate of payment of such tax to the taxing authorities. BIDDER shall submit invoices to EdCIL India Limited in accordance with the payment schedule in Commercial of this document.

42. Representations and Warranties

Bidder warrants that the Services will be provided in a skilful and workman like manner and in conformity with the scope described in Scope of Work Proposed Functional Scope of this document. Notwithstanding the aforesaid, any Services which are provided by bidder free of charge or are otherwise not chargeable shall be provided on an 'AS IS' basis without any warranties whatsoever. Each Party represents, warrants and covenants to the other that: (i) it is duly organized and validly existing and in good standing under the laws of the state of its incorporation or formation; (ii) it has the full right and authority to enter into and that this Agreement constitutes a legal, valid and binding obligation; and(iii) its execution, delivery and performance of this Agreement does not and will not conflict with, or constitute a breach or default under, its charter of organization, or any contract or other instrument to which it is a party. As set forth in this clause, bidder makes no warranties to EdCIL India Limited, expressed or implied, with respect to any services or deliverables provide hereunder or under scope of work including without limitation and implied warranties of Merchantability or fitness for a particular purpose. All such other warranties are hereby disclaimed by bidder.

43. Limitation of Liability

Neither EdCIL India Limited nor the bidder shall be liable to the other for any special, indirect, incidental, consequential (including loss of revenue, data and/or profit), exemplary or punitive damages, whether in contract, tort or other theories of law, even if the Party has been advised of the possibility of such damages. The total cumulative liability of either party under this Agreement shall not exceed in aggregate the amount paid to bidder by the EdCIL India Limited for the Service that gives rise to such liability during the twelve month period immediately preceding such claim. The limitation on any Party's liability herein shall not apply to liability for damages, resulting from (i) the wilful misconduct; (ii) breach of the use terms in respect of use of bidder Application System; and (iii) breach of confidentiality obligations. Bidder shall not be held liable for any delay or failure in its obligations, if and to the extent such delay or failure has resulted from a delay or failure by or on behalf of EdCIL India Limited to perform any of EdCIL India Limited's obligations. In such event, bidder shall be (a) allowed additional time as may be required to perform its

obligations, and (b) entitled to charge EdCIL India Limited for additional costs incurred, if any, as may be mutually agreed upon between the Parties.

44. Confidential Information

Each Party (the "Receiving Party") acknowledges and agrees to maintain the confidentiality of Confidential Information (as hereafter defined) provided by the other Party (the "Disclosing Party") hereunder. The Receiving Party shall not disclose or disseminate the Disclosing Party's Confidential Information to any person other than those employees, agents, contractors, subcontractors and licensees of the Receiving Party, or its affiliates, who have a need to know it in order to assist the Receiving Party in performing its obligations, or to permit the Receiving Party to exercise its rights under this Agreement. In addition, the Receiving Party (i) shall take all such steps to prevent unauthorized access to the Disclosing Party's Confidential Information, as it takes to protect its own confidential or proprietary information of a similar nature, which steps shall in no event be less than a reasonable standard of care, (ii) shall not use the Disclosing Party's Confidential Information, or authorize other persons or entities to use the Disclosing Party's Confidential Information, for any purposes other than in connection with performing its obligations or exercising its rights hereunder, and (iii) shall require all persons and entities who are provided access to the Disclosing Party's Confidential Information, to execute confidentiality or non-disclosure agreements containing provisions substantially similar to those set forth in this Clause. The provisions of this Clause respecting Confidential Information shall not apply to the extent, but only to the extent, that such Confidential Information is: (a) already known to the Receiving Party free of any restriction at the time it is obtained from the Disclosing Party, (b) subsequently learned from an independent third party free of any restriction and without breach of this provision; (c) is or becomes publicly available through no wrongful act of the Receiving Party or any third party; (d) is independently developed by the Receiving Party without reference to or use of any Confidential Information of the Disclosing Party; or (e) is required to be disclosed pursuant to an applicable law, rule, regulation, government requirement or court order, or the rules of any stock exchange. Upon the Disclosing Party's written request at any time, or following the completion or termination of this Agreement, the Receiving Party shall promptly return to the Disclosing Party, or destroy, all Confidential Information of the Disclosing Party provided under or in connection with this Agreement, including all copies, portions and summaries thereof.

45. Non-Disclosure

The firm and their personnel shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract, terms, prices or the client's business or operations details without the prior written consent of the client.

46. Compliance certificate:

This certificate must be provided on their letter head indicating conformity to the technical specifications. (Annexure XVI)

47. Disputes and Jurisdiction:

Any legal disputes arising out of any breach of contract pertaining to this tender should be settled in the court of competent jurisdiction located within New Delhi

48. User List

Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items have been supplied must be provided.

49. Price Information

Price information shall not be there in Technical Bid.

50. Price Review

According to the market scenario the price would be reviewed for exploring downward revision and reasonability of the rates as per the normal trend in electronics industry on year-to-year basis.

51. Fall Clause

The Bidder undertakes that he has not supplied/is not supplying the similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/ Department of the Government of India or PSU and if it is found at any stage that the similar product/ systems or sub-system was supplied by the Bidder to any Ministry/ Department of the Government of India or PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the Bidder to EdCIL, if the contract has already been concluded.

52. Pre-Bid Conference

Pre-Bid conferences of the Bidders shall be convened at the designated date, time and place. The bidders are required to mail the pre-bid queries to destenders@edcil.co.in, avinashkumar@edcil.co.in as per format in Annexure XV. Pre bid queries received later than the designated date and time shall not be entertained. EdCIL reserves the right to conduct the pre-bid meeting over Video Conference due to COVID.

CHAPTER – VI
SCOPE OF WORK

The selected bidder will be responsible to supply, install and maintain interactive digital board solution along with the following activities:

- Supply of required hardware as per the specification mentioned below
- Installation of Hardware equipment in all identified schools
- Teacher training programs
- 24*7 Warranty support by OEM/bidder -Minimum two languages (a. English b. Hindi)

The scope of work also include fixing and setting up the equipment, wall mounting with upto 10mtrs of power cable and LAN cable with proper casing & capping, configuring all the software associated with it.

The selected bidder may be required to white label the products in the name of EdCIL/ client on the case to case basis as per the requirement. Further, in case of mass procurement, the selected OEM/bidder has to make arrangements for creation of manufacturing facility in India.

Detailed Bill of Materials:

i) Interactive Touch Display Panel

a) Specification of 55" Interactive Touch Display Panel

Sr. No.	Features	Specifications Required
1	Display Panel Size	Minimum 55"
2	Native Resolution	Minimum 3840 x 2160
3	Brightness	300cd/m2 or better
4	Contrast Ratio	1,100:1 or better
5	Viewing Angle(H x V)	178 x 178 or better
6	Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1
7	Output	HDMI ≥1, AUDIO 3.5mmx1
8	Panel Technology & Built in Touch type	LED & IR
9	Surface Protection	Minimum 4mm

		Thick Toughened Glass
10	Multi touch point	10 Points or Higher
11	Life Cycle	Minimum 30,000 Hours
12	Touch Tools	Finger, Touch Pen, Glove, Opaque Objects
13	Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail
14	Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.
15	Auto Brightness sensor, Response Time	Required , 10ms or better
16	Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher
17	Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support
18	Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent
19	Power Consumption (Typ.)	300 W or less

20	Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module
21	Audio Power	20W(10W x 2) or better
22	STANDARD(CERTIFICATION)	UL/CE, BIS, FCC
23	Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand
24	Warranty	3 years onsite
25	Installation	Wall mount

b) Specification of 65" Interactive Touch Display Panel

Sr. No.	Features	Specifications Required
1	Display Diagonal Size	Minimum 65"
2	Native Resolution	Minimum 3840 x 2160
3	Brightness	300cd/m2 or better
4	Contrast Ratio	1,100:1 or better
5	Viewing Angle(H x V)	178 x 178 or better
6	Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1
7	Output	HDMI ≥1, AUDIO 3.5mmx1
8	Panel Technology & Built in Touch type	LED & IR
9	Surface Protection	Minimum 4mm Thick Toughened Glass
10	Multi touch point	10 Points or Higher
11	Life Cycle	Minimum 30,000 Hours
12	Touch Tools	Finger, Touch Pen, Glove, Opaque Objects
13	Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail
14	Interactive Features	Writing, Pen, Eraser, Save,

		Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.
15	Auto Brightness sensor, Response Time	Required, 10 ms or better
16	Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher
17	Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support
18	Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent
19	Power Consumption (Typ.)	300 W or less
20	Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module
21	Audio Power	20W(10W x 2) or better
22	STANDARD(CERTIFICATION)	UL/CE, BIS, FCC
23	Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand
24	Warranty	3 years onsite
25	Installation	Wall mount

c) Specification of 75" Interactive Touch Display Panel

Sr. No.	Features	Specifications Required
1	Display Diagonal Size	Minimum 75"
2	Native Resolution	Minimum 3840 x 2160
3	Brightness	300cd/m2 or better
4	Contrast Ratio	1,100:1 or better
5	Viewing Angle(H x V)	178 x 178 or better
6	Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1
7	Output	HDMI ≥1, AUDIO 3.5mmx1
8	Panel Technology & Built in Touch	LED & IR

	type	
9	Surface Protection	Minimum 4mm Thick Toughened Glass
10	Multi touch point	10 Points or Higher
11	Life Cycle	Minimum 30,000 Hours
12	Touch Tools	Finger, Touch Pen, Glove, Opaque Objects
13	Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail
14	Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.
15	Auto Brightness sensor, Response Time	Required, 10ms or better
16	Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher
17	Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support
18	Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent
19	Power Consumption (Typ.)	500 W or less
20	Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module
21	Audio Power	20W(10W x 2) or better
22	STANDARD(CERTIFICATION)	UL/CE, BIS, FCC
23	Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand
24	Warranty	3 years onsite

25	Installation	Wall mount

d) Specification of 86" Interactive Touch Display Panel

Sr. No.	Features	Specifications Required
1	Display Diagonal Size	Minimum 86"
2	Native Resolution	Minimum 3840 x 2160
3	Brightness	300cd/m2 or better
4	Contrast Ratio	1,100:1 or better
5	Viewing Angle(H x V)	178 x 178 or better
6	Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1
7	Output	HDMI ≥1, AUDIO 3.5mmx1
8	Panel Technology & Built in Touch type	LED & IR
9	Surface Protection	Minimum 4mm Thick Toughened Glass
10	Multi touch point	10 Points or Higher
11	Life Cycle	Minimum 30,000 Hours
12	Touch Tools	Finger, Touch Pen, Glove, Opaque Objects
13	Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail
14	Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.
15	Auto Brightness sensor, Response Time	Required , 10ms or better
16	Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher
17	Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port,

		Dual Band 2.4/5Ghz support
18	Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent
19	Power Consumption (Typ.)	500 W or less
20	Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module
21	Audio Power	20W(10W x 2) or better
22	STANDARD(CERTIFICATION)	UL/CE, BIS, FCC
23	Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand
24	Warranty	3 years onsite
25	Installation	Wall mount

ii) OPS PC Specification

DESCRIPTION	MINIMUM SPECIFICATION
Processor System	CPU: Minimum of Intel Core i5 or Higher
Memory	RAM: 4 GB or Higher
	HDD: 1TB or Higher
Display	Minimum Resolution (Chipset support): HDMI/eDP,3840 x 2160
	Output: HDMI ≥ 1, VGA≥1
Connectivity	WIFI support 802.11b/g/n
	LAN: Minimum 1 X 10/100/1000 Mbps
I/O Interface	HDMI ≥ 1
	USB ≥2 (USB 2.0/3.0)
	Audio: 1 x Line-out, 1 Mic IN
External Wireless USB Device	Wireless Mouse
	Wireless Keyboard
Power Requirements	Power Consumption: 90W or less
	Input Voltage: 12V, 5A
Operating System	Windows 8 or above
Processor Speed	1.8 Ghz or Higher
Installation	Should be internally integrated with Interactive Touch Display.
Standard Certification	CE/BIS, UL/FCC
Warranty	3Years onsite

iii) Tablet

DESCRIPTION	MINIMUM SPECIFICATION
Size	10” or above
Internal Memory	64 GB or higher
RAM	4 GB or higher
Display	Minimum Resolution 1920 X 1200 or Higher
Camera	Front 5 MP or higher & Rear 8 MP or higher
Wi-FI	IEEE 802.11 ac/n/g/b/a
Screen Share	Mirror casting software to share contents with Touch Display
Operating System	Android – Lollipop 6.0 or Higher
Battery	7000 MAh or above
Processor Speed	1.8 Ghz or Higher
Certificates	CE/FCC,BIS
Warranty	3 years onsite
Accessories	Tablet Cover, Tempered glass, Charger, Manual

iv) Pen Drive

Description	Minimum Specification
Type	USB Flash Drive 2.0 or Higher
Capacity	128 GB
Read Speed	25 Mbps or more
Write Speed	8 Mbps or more
OS Support	Windows 8 or higher

v) Hard Disk

Description	Minimum Specification
Type	USB Flash Drive 2.0 or Higher
Capacity	1TB
Read Speed	25 Mbps or more
Write Speed	8 Mbps or more
OS Support	Windows 8 or Higher

vi) Solar Solution

The selected bidder should supply, install and commission the complete solar solution at the end client side.

Standalone Solar Solution		
Details	**For 55" & 65" Interactive Touch Display Panel**	**For 75" & 86" Interactive Touch Display Panel**
System Capacity	600 Wp Solar System	975 Wp Solar System
Solar Module (Size & Nos)	300Wp, 2Nos, Poly Crystalline	325Wp, 3Nos Poly Crystalline
Power Conditioning Unit	24V, 500 VA	24V, 750 VA
Battery Size	24V, 100Ah	24V, 200Ah

Solar PV Modules

- The PV modules used should be made in India.
- The PV Modules used in the Project must qualify to the latest edition of IEC PV Module qualification test (IEC 61215, IEC 61730 Part-2, IEC 61701) or equivalent BIS Standards. Further, PV Modules should have been included in the ALMM list as per MNRE Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019
- Protective devices against surges at the PV module shall be provided. Low voltage drop bypass diodes shall be provided.
- PV modules must be tested and approved by one of the IEC authorized test centres.
- The module frame shall be made of corrosion resistant materials, preferably having anodized aluminium.
- The rated output power of any supplied module shall have tolerance of +/- 3%.
- The peak-power point voltage and the peak-power point current of any supplied module and/or any module string (series connected modules) shall not vary by more than 2 (two) per cent from the respective arithmetic means for all modules and/or for all module strings, as the case may be.
- The module shall be provided with a junction box with either provision of external screw terminal connection or sealed type and with arrangement for provision of by-pass diode. The box shall have hinged, weather proof lid with captive screws and cable gland entry points or may be of sealed type and IP-65 rated.
- I-V curves at STC should be provided by bidder.
- PV Modules used must be warranted for Peak Output Wattage, which should not be less than 90% at the end of 10 Years and 80% at the end of 25 Years.
- Each SPV Module used in Project must have an RF Identification Tag/ Barcode. The following information must be mentioned in the RFID/ Barcode used on each Module (This can be inside or outside the laminate, but must be able to withstand harsh environmental conditions)
  i. Name of the Manufacturer of SPV Module
  ii. Name of the Manufacturer of Solar Cells
  iii. Month and Year of the Manufacture (separately for both Solar Cells and Module)
  iv. Country of Origin (separately for both Solar Cells and Module)
  v. I-V Curve for the Module at Standard Test Condition (1000 W/m2 , AM 1.5, 250C)
  vi. Wattage, Im, Vm and FF for the Module
  vii. Unique Serial No. and Model No. of the Module
  viii. Date and Year of obtaining IEC PV Module Qualification Certificate
  ix. Name of the Test Lab issuing IEC Certificate
  x. Other relevant information on Traceability of Solar Cells and Module as per ISO 9000.

Module Mounting Structure

- Hot dip galvanized MS mounting structures may be used for mounting the modules/ panels/arrays. Each structure should have angle of inclination as per the site conditions to take maximum insolation.
- The Mounting structure shall be so designed to withstand the speed for the wind zone of the location where a PV system is proposed to be installed. It may be ensured that the design has been certified by a recognized Lab/ Institution in this regard and submit wind loading calculation sheet to EdCIL. Suitable fastening arrangement such as grouting and calming should be provided to secure the installation against the specific wind speed.
- Structural material shall be corrosion resistant and electrolytically compatible with the materials used in the module frame, its fasteners, nuts and bolts. Aluminium structures also can be used which can withstand the wind speed of respective wind zone. Necessary protection towards rusting need to be provided either by coating or anodization.
- The fasteners used should be made up of stainless steel. The structures shall be designed to accommodate the anti-theft hardware mechanism for avoiding theft. The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels
- Regarding civil structures the bidder need to take care of the load bearing capacity of the roof and need arrange suitable structures based on the quality of roof.
- The total load of the structure (when installed with PV modules) on the terrace should be less than 60 kg/m2.

The components of MMS shall Confirm to following Indian Standards:

- IS : 2062 - Hot rolled Medium and High Tensile Structural Steel
- IS : 811 - Cold Formed light gauge Structural Steel Sections
- IS : 1161 - Steel Tubes for Structural Purposes
- IS : 4923 - Hollow Steel Sections for Structural use
- Minimum grade of steel for sections confirming to IS : 811 & IS : 4923 shall be E350 conforming to IS : 2062 and YSt 310 conforming to IS : 1608 respectively.

Power Conditioning Unit

As SPV array produce direct current electricity, it is necessary to convert this direct current into alternating current and adjust the voltage levels to match the grid voltage. Conversion shall be achieved using an electronic Inverter and the associated control and protection devices. All these components of the system are termed the "Power Conditioning Unit (PCU)".
Typical technical features of the PCU shall be as follows:

- Switching devices : IGBT/MOSFET
- Control : Microprocessor /DSP
- Nominal AC output voltage and frequency : 230V, 1 Phase, 50 Hz
- Output frequency : 50 Hz
- Ambient temperature considered : -20^{o} C to 50^{o} C
- Humidity : 95 % Non-condensing
- Protection of Enclosure :IP-20(Minimum)for indoor.

:IP-65(Minimum) for outdoor.

- Grid Frequency Tolerance range : + 3 or more
- Grid Voltage tolerance : - 20% & + 15 %
- Inverter efficiency (minimum) : > 80%
- THD : < 5%
- Output waveform : Pure Sinewave
- Protection : Over Current, Battery over Charge Protection, PV/Battery Reverse Polarity, Reverse Current Flow, High Temperature
- Displays : Various input and output parameters such as Output voltage, load, input voltage, battery voltage, PVvoltage, current with cumulative solar energy.
- The power conditioning units / inverters should comply with applicable IEC/ equivalent BIS standard for efficiency measurements and environmental tests as per standard codes IEC 61683/IS 61683 and IEC 60068- 2(1,2,14,30) /Equivalent BIS Std.

The PCU/ inverters should be tested from the MNRE approved test centres / NABL /BIS /IEC accredited testing- calibration laboratories. In case of imported power conditioning units, these should be approved by international test houses.

Battery

- The battery bank offered must be a maintenance free type and should work on oxygen recombination principle.
- The maintenance free VRLA batteries must be supplied with the solar solution.
- The capacities of the batteries chosen must be capable to be discharged upto 80% DOD.
- The designed life expectancy should be more than 10 year (at least 5000 cycle @ 20% DOD or 1500 cycle @ 80% DOD)

Junction Box, Cables and Electrical Accessories

- The junction boxes are to be provided in the PV array for termination of connecting cables. The J. Boxes (JBs) shall be made of GRP/FRP/Powder Coated Aluminium /cast aluminium alloy with full dust, water & vermin proof arrangement. All wires/cables must be terminated through cable lugs. The JBs shall be such that input & output termination can be made through suitable cable glands.
- Copper bus bars/terminal blocks housed in the junction box with suitable termination threads Conforming to IP65 standard and IEC 62208 Hinged door with EPDM rubber gasket to prevent water entry. Single / double compression cable glands. Provision of earthings. It should be placed at 5 feet height or above for ease of accessibility.
- Each Junction Box shall have High quality Suitable capacity Metal Oxide Varistors (MOVs) / SPDs, suitable Reverse Blocking Diodes. The Junction

Boxes shall have suitable arrangement monitoring and disconnection for each of the groups.

- Suitable markings shall be provided on the bus bar for easy identification and the cable ferrules must be fitted at the cable termination points for identification.
- All Cables and Connectors to be used for Installation of Solar Field must be of Solar Grade which can withstand harsh environment conditions for 25 Years and Voltages as per latest IEC Standards. It is recommended that the Cables of 600-1800 Volts DC for outdoor installations should comply with the BS/ EN EN50618 for service life expectancy of 25 years.

All Subsystems/ Components used in the Solar Power Plants (Cables, Connectors, Junction Boxes, Surge Protection Devices etc.) must also confirm to the relevant International/ National Standards for Electrical Safety besides that for Quality required for ensuring Expected Service Life and Weather Resistance.

Earthing

Earthing System shall comply with latest revisions and amendments of the relevant IEC Standards and IS Codes. In particular, Earthing System shall comply with the following Standards and Codes.

Standard	Description
IS 3043	Code of Practice for Earthing
IEEE 80	IEEE Guide for Safety in AC Substation Grounding
IEEE 142	IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems
	Indian Electricity Rules

Warranty

The selected bidder shall provide comprehensive onsite warranty for the solar solution for a duration for 3 years. However,

- The Modules shall be warranted for at least 10 Years for failures due to material defects and workmanship.
- The mechanical structures, electrical works and overall workmanship of the Solar PV Power Plants must be warranted for a minimum of 5 years.
- The Inverters/ PCUs installed in the Solar PV Power Plant must have a minimum warranty for 5 Years.

vii) Capacity Building of Teachers (Batch of 25 Teachers)- 2 days' workshop

- Comprehensive usage of Interactive Digital Board
- Usage of the software's installed in the Digital Board

viii) The bidder has to provide web-based monitoring application/dashboard for the remote assessment of the usage of the devices for individual project or complete

regional analytics. The application must have a provision of creation of reports and their easy download in necessary formats. The bidder may be required to carry out the changes in the module as per the requirement of end EdCIL/client.

ix) Offline Wi-Fi Access Point

Description	Specification
Internal Memory	Minimum 1 TB
RAM	Minimum 3 GB
Processor	Minimum 1 Ghz
WiFi	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN Dual Band 2.4/5Ghz support
Ports	Minimum 1 USB 3.0, Minimum 1 USB 2.0, Minimum 1 HDMI Port

- The access point should be able to simultaneously connect with minimum 50 devices.
- The access point should support all type of content formats.

Reporting Requirements:

i. Authorization letter in favor of bidder from the OEM.

ii. Copy of agreement between OEM and bidder.

iii. Original Delivery certificate issued by the end client with sign and stamp for acknowledgement of delivery.

iv. Original installation and commissioning certificate issued by the end client with sign and stamp for acknowledgement of installation and commissioning.

v. Warranty Certificate in original of all the items supplied to end client.

vi. Three level escalation matrix for the complaints resolution and support.

vii. The original attendance sheets of the users and the computer technicians trained along with the training report duly signed and stamped by end client.

viii. Work Completion certificate duly signed and stamped by end client.

ix. Monthly report of complaints received and resolution provided should be submitted before the 7th of every month. The report must include the following:

a) Location of Complaint
b) Date and time of complaint

c) Device Unique Number
d) User Name
e) Problem statement
f) Solution provided
g) In case whether replacement provided or not.
h) Others if requested.

ANNEXURE-I

<< Organization Letter Head >>

DECLARATION SHEET

We,_____hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, we will support on regular basis with technology / product updates and extend support for the warranty.

We, further specifically certify that our organization has not been Black Listed/ De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS of the VENDOR/ MANUFACTURER/ AGENT
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 GST Number	
7 PAN Number	
(In case of on-line payment of EMD) 8 UTR No. (For EMD)	
9 Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name: _____

Seal of the Company

ANNEXURE II

LETTER OF UNDERTAKING

(ON THE LETTER HEAD OF THE BIDDER)

To

Chief General Manager (DES)
EdCIL (India) Limited (EdCIL)
EdCIL House, 18 A, Sector-16 A,
NOIDA – 201301 (U.P.)

Sir,

SUBJECT- Letter of undertaking

This bears reference to EdCIL Bid No. EdCIL/DES/Interactive Digital Board Solution/2020/003 Dated _____ We, hereby, accept all the terms and conditions for submitting bid as mentioned in this Bid Document.

We hereby certify that no terms and conditions have been stipulated by us in the Financial Bid.

We warrant that the services do not violate or infringe upon any patent, copyright, trade secret or other property right of any other person or other entity. We agree that we shall not prevent EdCIL from any claim or demand, action or proceeding, directly or indirectly resulting from or arising out of any breach or alleged breach of any of the terms & conditions of bid document and contract.

The above document is executed on …….. at (place) _____ and we accept that if anything out of the information provided by us is found wrong, our bid/ work order shall be liable for rejection.

Thanking you,

Yours faithfully,

Name of the Bidder_____

Authorized Signatory_____

Seal of the Organization_____

Date:
Place:

ANNEXURE III

UNDERTAKING FOR NON-BLACKLISTING

This is to confirm that we M/s _____ (give full address) have not been declared neither **failed to perform on any Agreement, nor have been expelled from any project or Agreement nor any Agreement terminated** for breach by the us (Agency) in any of the government department and public sector undertaking /enterprise or by any other Client in India, in last five year before release of advertisement.

If the above information found false at any stage after the placement of Work Order / Agreement, EdCIL (India) Limited (EdCIL), 18-A, Sector 16-A, Noida will have full right to cancel the Contact and forfeit the Performance Guarantee. All the direct and indirect cost related to the cancellation of the order will be borne by us besides any legal action by EdCIL which shall be deemed fit at that point of time.

Authorized Signatory

Note: *The undertaking regarding the non-blacklisting of firm is to be submitted on a non-judicial stamp paper of Rs. 100/- (Rupees Hundred only).*

ANNEXURE IV

Average Annual Turn Over from development to implementation of similar projects

Sl. No.	Financial Year	Annual Turnover (Rs)	Net Worth (Rs)	Net Profit (Rs)
1.	2017-18			
2.	2018-19			
3.	2019-20			
Total				
Total In Words				
Average				
Average In Words				

Note:

- Certificate from Statutory Auditor/ Chartered Accountant certifying balance sheet only for all three years to be attached.
- Values entered in words will be treated as final.

Signature with Seal of the Chartered Accountant

Signature with Seal of the Bidder

ANNEXURE-V

Details of Projects Completed During Last 3 years

Bid No.:

Name of the Firm:

S.No	Name of Client	Name of the Project and brief description	Value (Exclusive of tax)	Date of award	Date of Completion	Current Status and duration of maintenance period for ongoing project	Name of Contact Person and other details
1.							
2.							
3.							
4.							
5.							
6.							

Signature of Bidder with Seal

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

ANNEXURE -VI

List of Order executed for Govt. Organization/ Department/ University

List of Government Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)							
S.No	**Name of Client**	**Name of the Project and brief description**	**Value (Exclusive of tax)**	**Date of award**	**Date of Completion**	**Current Status**	**Name of Contact Person and other details**
1.							
2.							
3.							
4.							
5.							
6.							

Signature of Bidder with Seal

Name: _____
Designation: _____
Organization Name: _____
Contact No. : _____

ANNEXURE-VII

POWER OF ATTORNEY

Know all men by these presents, we…… (name of firm and address of the registered office) do hereby constitute, nominate appoint and authorize Mr./Ms……..son/daughter/wife of …….. and presently residing at…….., who is presently employed with /retained by us and holding position of…….as our true and lawful attorney

(hereinafter referred to as the "Authorized Representative") to do in our name and on our behalf, all such acts, deeds and things are as necessary or required in connection with or incidental to submission of our proposal for and selection as the <project title> for the <name of the client>……project, proposed to be developed by the

…….. (the "client") including but not limited to signing and submission of all applications, proposals and other documents and writings, participating in pre bid and other conferences and providing information /responses to the client, representing us in all matters before the Client, signing and execution of all contracts and undertakings consequent to acceptance of our proposal and generally dealing with the client in all matter in connection with or relating to or arising out of our Proposal for the said project /or upon award thereof to us till the entering into of the Agreement with the client.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawful done or caused to be done by our said Authorized Representative pursuant to and in exercise of the powers conferred by this power and Attorney and that all acts, and things done by our said Authorized Representative in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

[IN WITNESS WHEREOF WE……THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON

THIS …….. DAY OF …….. 2020.

For …… (Name and registered address of client)

(Signature, name, designation, and address)

Witness

1. (Signature, name and address)

2. (Signature, name and address)

Notarized

Accepted

……

(Signature, name, designation, and address of the attorney)

Notes:

1. The mode of the execution of the power of Attorney shall be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants (s) and when it is so required the same should be under seal affixed in accordance with the required procedure.

2. Wherever required, the applicant should submitted for verification the extract of the charter documents and other documents such as a resolution/Power of Attorney in favor of the person executing this Power of Attorney for delegation of power hereunder on behalf of the applicant.

3. For a Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power and Attorney is being issued. However, the Power of Attorney provided by the applicants from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalized by the Indian Embassy it is carries a conforming Apostle certificate.

ANNEXURE-VIII

LETTER OF BID SUBMISSION

To
Chief General Manager (DES),
EdCIL (India) Limited,
EdCIL House, 18A, Sector- 16A,
NOIDA- 201 301 (U.P)

SUBJECT- Selection of service provider for entering into Rate Contract for Design, Installation & Commissioning of Interactive Digital Board Solution

-Submission of Bid -

Sir,

Having examined the details given in Press Notice, Notice Inviting Bid & 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 form _____ and accompanying statements are true and correct.
2. I / we certify that we have not changed/altered any word/sentence or any figure in number/s or words appearing the original tender document uploaded by EdCIL on the designated web page for e-tendering. In case, if a fraudulent activity is found at any stage between tender submission to final closure of the tender/contract, our candidature/bid/contract shall be immediately cancelled and EMD/Performance security/ security deposit along with the due amount towards the work executed or advance shall be forfeited. EdCIL will not entertain any claim or entertain any reason for this intentional act. EdCIL may go for the legal action against the bidder for recovering any one or all damages caused to EdCIL or its client on this account.

3. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

4. I/We submit the requisite **certified solvency certificate** and authorize the EdCIL to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize EdCIL to approach individuals, employers, firms and corporation to verify our competency and general reputation.

5. I/We submit the following **certificates** in support of our suitability, technical knowledge and capability for having successfully completed the following works :

S.No.	Name of Work	Certificate From

6. Earnest Money Deposit amounting to Rs. ---------- in the form of DD/Pay Order No. ---------- dated ---------- issued by ---------- Bank is submitted.

Enclosures:

Date of Submission :

ANNEXURE – IX

Name of the Bank: _____

To

Chief General Manager (DES)
EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A
NOIDA – 201301 (U.P.)

PERFORMANCE BANK GUARANTE FORMAT

In consideration of the Chairman and Managing Director EdCIL acting through _____ (Designation & address of Contract Signing Authority), (hereinafter called "The EdCIL (India) Ltd") having agreed under the terms and conditions of agreement/ Contract Acceptance letter No. _____

Dt :_____ Made between _____ (Designation & address of contract signing Authority) and _____ (here in after called "the said Agency" for the work _____ (here in after called "the said agreement") having agreed for submission of a irrevocable Bank Guarantee Bond for ₹ _____ (₹ _____ only) as a performance security Guarantee from the Agency for compliance of his obligations in accordance with the terms & conditions in the said agreement.

1. We _____ (Indicate the name of the Bank) hereinafter referred to as the Bank, undertake to pay to the EdCIL (India) Ltd an amount not exceeding ₹ _____ (₹ _____ only) on demand by the EdCIL (India) Ltd.

2. We _____ (Indicate the name of the bank, further agree that (and promise) to pay the amounts due and payable under this guarantee without any demur merely on a demand from the EdCIL (India) Ltd through the Chief General Manager, EdCIL (India) Ltd, Noida or _____ (Designation & Address of contract signing authority), stating that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the EdCIL (India) Ltd by reason of any breach by the said Agency of any of the terms of conditions contained in the said agreement or by reason of the Agency failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ₹ _____ (₹ _____ Only).

3. (A) We _____ (indicate the name of Bank) further undertake to pay to the EdCIL (India) Ltd any money so demanded notwithstanding any dispute or dispute raised by the Agency in any suite or proceeding pending before any court or Tribunal relating to liability under this present being absolute and unequivocal.

(B) The payment so made by us under this Performance Guarantee shall be a valid discharge of our liability for payment there under and the Agency shall have no claim against us for making such payment.

4. We _____ (Indicate the name of bank) to further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the EdCIL (India) Ltd under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged by _____

(Designation & Address of contract signing authority) on behalf of the EdCIL (India) Ltd, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said Agency and accordingly discharges this guarantee.

5. (a) Not withstanding anything to the contrary contained herein the liability of the bank under this guarantee will remain in force and effect until such time as this guarantee is discharged in writing by the EdCIL (India) Ltd or until (date of validity/ extended validity) whichever is earlier and no claim shall be valid under this guarantee unless notice in writing thereof is given by the EdCIL (India) Ltd within validity/ extended period of validity of guarantee from the date aforesaid.

(b) Provided always that we _____ (indicate the name of the Bank) unconditionally undertakes to renew this guarantee or to extend the period of guarantee form year to year before the expiry of the period or the extended period of the guarantee, as the case shall be on being called upon to do so by the EdCIL (India) Ltd. If the guarantee is not renewed or the period extended on demand, we _____ (indicate the name of the Bank) shall pay the EdCIL (India) Ltd the full amount of guarantee on demand and without demur.

6. We _____ (indicate the name of Bank) further agree with the EdCIL (India) Ltd that the EdCIL (India) Ltd shall have the fullest liberty without our consent and without effecting in any manner out of obligations hereunder to vary any of the terms and conditions of the said contract from time to time or to postpone for any time or from time to time any to the powers exercisable by the EdCIL (India) Ltd against the said Agency and to forbear or enforce any of the terms and conditions of the said agreement and we shall not be relieved from our liability by reason of

any such variation, or extension being granted to the said Agency for any bearance act or omission on the part of the EdCIL (India) Ltd or any indulgence by the EdCIL (India) Ltd to the said Agency for by any such matter or thing whatsoever under the law relating to sureties for the said reservation would relive us from the liability.

7. This guarantee will not be discharged by any change in the constitution of the Bank or the Agency.
9. We, _____ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the EdCIL (India) Ltd in writing.
10. This guarantee shall be valid up to (Date of Completion plus Handholding Period). Unless extended on demand by EdCIL (India) Ltd. Notwithstanding anything to the contrary contained hereinbefore, our liability under this guarantee is restricted to Rs…….. (Rs……..only) unless a demand under this guarantee is made on us in writing on or before…….. we shall be discharged from our liabilities under this guarantee thereafter.

Dated: The Day of For
(indicate the name of bank)

Signature of Banks Authorized official
Witness (Name)_____
1. Deisgnation with Code No._____
2. Full Address_____

Annexure X

DELIVERY CERTIFICATE

1. The items mentioned as per details given below, have been physically verified by way of opening the cartons/packing and verifying the machine/ equipment supplied and model of the equipment. It is certified and acknowledged that the same have been received at this Institution in good condition.

2. Delivery Address:

SOR No.	Description.	Model	Make	Quantity
1.	IR 55" Interactive Touch Display Panel (Specified in Chapter-6 i))			
2.	IR 65" Interactive Touch Display Panel (Specified in Chapter-6 i))			
3.	IR 75" Interactive Touch Display Panel (Specified in Chapter-6 i))			
4.	IR 86" Interactive Touch Display Panel (Specified in Chapter-6 i))			
5.	OPS PC Specification (Specified in Chapter-6 ii))			
6.	Tablet (specified in Chapter-6 iii))			
7.	Pen Drive (Specified in Chapter-6 iv))			
8.	Hard Disk (Specified in Chapter-6 v))			
9.	Solar Component (Specified in Chapter-6 vi))			

Please make appropriate column, as per requirement.

3. Equipment received in Good condition

Yes No

4. Please specify below in case goods received are in damaged condition:

_____

----------ACKNOWLEDGEMENT----------

Remarks (if Any)_____

(Signature of the Authorized official)

Name _____

Designation _____

Rubber Seal of the Institution_____

Date: _____

Annexure XI

EdCIL (India) Limied
(A Mini Ratna CPSE under Govt. Of India)

Installation & Commissioning Report (ICR)

Implementation of Interactive Digital Board Solution (School name)

This is to certify that the following items have been supplied, installed and commissioned by **EdCIL(India) Limited** in our school and all equipments / items are in proper condition as per the submitted document.

School Code																	
Name of School																	
Address																	
Block																	
District																	
State																	
Name of School Principal																	
Principal's Contact No.:																	

SOR No.	Description.	Serial No	Quantity
1.	IR 55" Interactive Touch Display Panel		
2.	IR 65" Interactive Touch Display Panel		
3.	IR 75" Interactive Touch Display Panel		
4.	IR 86" Interactive Touch Display Panel		
5.	OPS PC Specification		
6.	Tablet		
7.	Pen Drive		
8.	Hard Disk		
9.	Solar Component		

Signature & Seal of School Principal

Annexure XII

Manufacturer (OEM) Authorization Form

No. _____ dated _____

To

_____
_____

Dear Sir:

Bid No. _____

We _____ who are established and reputed manufacturer of _____(name and description of goods offered) having factories at _____ (address of factory) with factory registration no. ---------- do hereby authorize M/s_____ (Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above bid.

We hereby extend our full warranty as per terms and the Conditions of Contracts, for the goods and services offered for supply by the above firm against this Invitation for Bid. We further certify that we shall support vendor with all related spares and maintenance during the entire contract period including the period of 3 years comprehensive onsite warranty and we also declare that the product proposed in this contract will not be end of life till the contract period.

Yours faithfully,
(Name):_____
(Name of manufacturers):_____

Note: This letter of authority should be on the letterhead of the manufacturer or OEM and should be signed by a person competent and having the power of attorney to legally bind the manufacturer

ANNEXURE-XIII
PROFORMA PRE CONTRACT INTEGRITY PACT

GENERAL

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ___ day of the month of …. 2020, between, on one hand, acting through Shri/Smt. _____, Designation, EdCIL (India) Limited (hereinafter called the "BUYER"/ "EdCIL" interchangeably, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part

AND

M/s _____ represented by Shri _____, Chief Executive Officer (hereinafter called the "BIDDER/Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the EdCIL proposes to procure services towards "Selection of Agency for Entering Into Rate Contract for Design, Installation & Commissioning of Interactive Digital Board Solution.

For its clients and BIDDER/Seller is willing to offer the said services and related items as referred to in the Bid document No. EdCIL/DES/Interactive Digital Board Solution/2020/003 Dated …….. 2020.

WHEREAS the BIDDER is a private company /public company / Government undertaking / partnership / registered expert agency, constituted in accordance with the relevant law in the matter and the EdCIL is a Public Sector Undertaking under Ministry of Human Resource Development performing its functions.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

Enabling the EdCIL to obtain the desired services as referred to in the Bid document No. EdCIL/DES/Interactive Digital Board Solution/2020/003 dated ……2020 at a competitive price in conformity with the defined specifications by avoiding the high

cost and the distortionary impact of corruption on public procurement and Enabling BIDDERs to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the EdCIL will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the EdCIL

1.1 The EdCIL undertakes that no official of the EdCIL, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 The BUYER will, during the pre-contract stage, treat all BIDDERs alike, and will provide to all BIDDERs the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERs.

1.3 All the officials of the EdCIL will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the EdCIL with full and verifiable facts and the same is prima facie found to be correct by the EdCIL, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings shall be initiated by the EdCIL and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the EdCIL the proceedings under the contract would not be stalled.

3. Commitments of Bidders

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the

EdCIL, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the EdCIL or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

3.3 Bidders shall disclose the name and address of agents and representatives and Indian BIDDERs shall disclose their foreign principals or associates.

3.4 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

3.5 The BIDDER further confirms and declares to the EdCIL that the BIDDER is the original manufacturer/integrator/authorized government sponsored export entity and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the EdCIL or any of its functionaries, whether officially or unofficially to the award to the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation, as the case shall be for satisfactory performance of the proposed terms of Bidder.

3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the EdCIL or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the EdCIL as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the EdCIL, or alternatively, if any relative of an officer of the EdCIL has financial interest / stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of Bid.

3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the EdCIL.

4. PREVIOUS TRANGRESSION

4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this integrity pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the bid process.

4.2 The BIDDER agrees that if it makes incorrect statement on this subject. BIDDER can be disqualified from the Bid process or the contract, if already awarded, can be terminated for such reason.

5. EARNEST MONEY DEPOSIT

5.1 While submitting Technical bid the bidder should enclose EMD of Rs. 6,50,000/- (Rupees Six Lakhs Fifty Thousand only) in the form of Bank Guarantee/ Demand Draft drawn in favor of EdCIL (India) Limited and payable at NOIDA, with the Technical Bid.

5.2 The instrument for Security Deposit made shall be valid up to the specified period

and the bidder shall be liable to keep the said instrument valid for such extended period as the case shall be for satisfactory performance of the terms of Bidder above referred till the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the EdCIL, including warranty period, whichever is later.

5.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining of Performance Bond in the corresponding Contract governing such agreement that the provisions of Sanctions for Violation shall be applicable for encashment of Performance Bank Guarantee deposited towards forfeiture of said amount in case of a decision by the EdCIL to forfeit the same without assigning any reason for imposing such sanction.

5.4 No interest shall be payable by the EdCIL to the BIDDER on Earnest Money Deposit for the period of its currency.

6. SANCTIONS FOR VIOLATIONS

6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the EdCIL to take all or any one of the following actions, wherever required:

i. To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

ii. The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit / Performance Bond (Bank Guarantee) (after the contract is signed) shall stand forfeited either fully or partially, as decided by the EdCIL and the BUYER (EdCIL) shall not be required to assign any reason therefore.

iii. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

iv. To recover all sums already paid by the EdCIL, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR as the case shall be. If any outstanding payment is due to the BIDDER from the EdCIL in connection with any other contract for any other stores or on any account whatsoever and by whatsoever name called, such outstanding payment could

also be utilized to recover the aforesaid sum and interest thereto.

v. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the EdCIL, along with interest.

vi. To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the EdCIL resulting from such cancellation/rescission and the EdCIL shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

vii. To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which shall be further extended at the discretion of the EdCIL.

viii. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

ix. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the EdCIL with the BIDDER, the same shall not be opened.

x. Forfeiture by way of encashment of Performance Bond in case of a decision by the EdCIL to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The EdCIL will be entitled to take all or any of the actions mentioned at Para 6.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of any offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the EdCIL to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, an Independent Monitor(s) shall be appointed by EdCIL, in case of breach of the provisions of the pact.

7. INDEPENDENT MONITORS

7.1 An Independent monitor (s) shall be appointed by EdCIL, in case of breach of the provisions of the pact.

7.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project / procurement, including minutes of meetings.

7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the EdCIL.

7.6 The BIDDER(s) accept that the Monitor has the right to access without restriction to all Project documentation of the EdCIL including that provided b the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Sub-bidders. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Sub-bidder(s) with confidentiality.

7.7 The EdCIL will provide to the Monitor 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 to the Monitor the option to participate in such meetings.

7.8 The Monitor will submit a written report to the designated Authority of BUYER/Secretary in the Department/within 8 to 10 weeks from the date of reference or intimation to him by the EdCIL / BIDDER and, shall the occasion arise, submit proposals for correcting problematic situations.

8. FACILITATION OF INVESTIGATION

In case of any allegation of violation of any provisions of this Pact or payment of commission, the EdCIL 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.

9. LAW AND PLACE OF JURISDICTION

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the EdCIL.

10. OTHER LEGAL ACTIONS

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that shall follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

11. VALIDITY

11.1 The validity of this Integrity Pact shall be governed by the terms of the Bid No. EdCIL/DES/Interactive Digital Board Solution/2020/003 towards complete execution of the contract to the satisfaction of both the EdCIL and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract awarding the Bidder with successful bidder.

11.2 Shall one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

12. The parties hereby sign this Integrity Pact at _____ on _____.

EdCIL (India) Limited	BIDDER
Name of the Officer :	CHIEF EXECUTIVE OFFICER
Designation:	
Witness:	Witness:
1. _____	1. _____
2. _____	2._____

(The Pre Contract Integrity Pact shall be modified based in line with the conditions of the Bid Documents).

Annexure XIV

Contract Form

THIS AGREEMENT made the ..... day of ..... 2020 between ..... EdCIL (Hereinafter called

"the Purchaser") of the one part and ..... (Name & address of Supplier) .....

(Hereinafter called "the Supplier") of the other part:

“EdCIL” and “the Supplier” collectively referred to as “Parties” and individually as “Party”.

PREAMBLE

1. WHEREAS EdCIL is a Central Public Sector Enterprise (CPSE) under the Ministry of Human Resource Development (MHRD), Government of India, offering consultancy and Project Management services in all areas of education and human resource development within India and Overseas as well, with expertise holding special relevance for the education sector in the developing world and its strength in tailoring solutions to match exacting ground realities, which speaks volumes of the organization's commitment to educational values. EdCIL seeks to meet social, economic, and cultural challenges through consulting services, technical assistance and strengthening the overall growth and development nationally and even beyond national boundaries with special focus on developing countries.
2. AND WHEREAS vide Tender Ref. No. EdCIL/DES/Interactive Digital Board Solution/2020/003 (hereinafter collectively “the Tender”) EdCIL invited bids from eligible agencies for entering into rate contract for Design, Installation & Commissioning of Interactive Digital Board Solution.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are

respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and constructed as part of

this Agreement, viz.,

[a] The Financial Bid submitted by the Bidder;

[b] The Scope of work defined in Chapter VI;

[c] The Terms & Conditions of the tender document

[d] The EdCIL's Notification of Letter of Award/ Work Order

3. In consideration of the payments to be made by the EdCIL to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the EdCIL to provide the goods and services and to remedy defects herein in conformity in all respects with the provisions of the Contract.

4. The EdCIL hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contact prices or such other sum as shall become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the

said ..... (For the EdCIL)

in the presence of .....

Signed, Sealed and Delivered by the

said ..... (For the Supplier)

in the presence of .....

Annexure XV
PRE-BID QUERY FORMAT

Pre-bid queries should be submitted in .XLS format.

RFP Description				
RFP No.				
Organization				
Address				
Contact Person				
Contact No.				
Mail Id				
S.No	Chapter No	Page No	Clause as per RFP	Clarification Sought

Annexure XVI
Technical Compliance Sheet

We hereby confirm that we are complying to the technical specifications as specified in the
tender document and the offer is submitted in accordance of the technical requirement. The
all relevant documents in support of our claims are enclosed at the following pages:

Signature of Bidder Name: _____
Designation: _____
Organization Name: _____
Contact No.: _____

Annexure XVII
Tender Check List

S. No.	Description	Yes/No with Page No.
1.	BID SECURITY(EMD) Whether the bidder has attached the Bid Security as per format of the Bid Security form?	
2.	Amount of Bid Security (EMD) as per bid requirement or not?	
3.	Date of issue of Demand Draft for EMD	
4.	Validity of the Demand Draft (if submitted) 90 days from submission of bid or not?	
5.	Bid validity 180 days beyond the requisite timeline or not?	
6.	Legal Status/ Constitution of firm (any document & partnership deed etc.)	
7.	Whether the bidder has quoted for all the items in the Schedule?	
8.	Whether price as per Financial Bid quoted or not?	
9.	Whether Project Timeline as per bid agreed or not?	
10.	Payment terms as per bid agreed or not?	
11.	Undertaking as per **Annexure-II** or not?	
12.	Letter of financial proposal signed and enclosed with the bid offer	
13.	Signed copy of Pre-contract integrity pact	
14.	Letter of Bid submission	
15.	Signed copy of the tender document submitted	
16.	Power of Attorney	
17.	Declaration Sheet with all the balance of required credentials.	
18.	Valid Registration Certificate issued by NSIC/MSME or other appropriate government authorities (For MSMEs and Start Ups only)	
	Eligibility Criteria	
19.	The bidder should be an Indian registered	

	company/ Limited Liability Partnership (LLP) engaged in the job of Implementation of ICT Projects or similar Projects in the field of Education for minimum of 5 years in INDIA as on last date of submission of bid.	
20.	The Bidder should have minimum Average Annual turnover of at least Rs. 50 Cr from IT/ITES services positive net worth and profit for the last three financial years.i.e. 2017-18,2018-19,2019-20 **For MSME registered with NSIC** The Bidder should have minimum Average Annual turnover of at least Rs. 45 Cr from IT/ITES services positive net worth and profit for the last three financial years.i.e. 2017-18,2018-19,2019-20	
21.	The Bidder/OEM should have atleast one service centre in each geographical zone in India along with presence in four states in each zone for addressing the service support.	
22.	The bidder/OEM should have executed similar project in at least 200 classrooms during the last three years as on date of issue of bid in Government/Private Educational Institution in India. **For MSME registered with NSIC** The bidder/OEM should have executed similar project in at least 180 classrooms during the last three years as on date of issue of bid in Government/Private Educational Institution in India.	
23.	The bidder/OEM must have trained at least 150 teachers in similar project in Education Sector in India during last three years as on date of issue of bid in Government / Private Educational Institution in India. **For MSME registered with NSIC** The bidder/OEM must have trained at least 140 teachers in similar project in Education Sector in India during last three years as on date of issue of bid in Government / Private Educational Institution in India.	

24.	Bidder/OEM should have executed at-least one similar project of at-least 50 classrooms in Govt. Institutes/Schools during the last three years as on date of issue of bid in India. **<u>For MSME registered with NSIC</u>** Bidder/OEM should have executed at-least one similar project of at-least 40 classrooms in Govt. Institutes/Schools during the last three years as on date of issue of bid in India.	
25.	Bidder should not be debarred by any state government, Central Government/State Government/PSU/Government Bodies/Autonomous Bodies/Private Sector	
26.	The bidder should have valid GST and PAN number.	
27.	The bidder should possess ISO 9001:2015. The OEM should have ISO 9001, ISO 14001 & BH OHSAS 18001, E-waste Clearance in India.	
28.	The bidder should submit valid undertaking letter from the OEM for Hardware and System Software confirming following: · OEM(s) of the proposed product(s) shall provide support including spares, updates, patches, security patches, fixes, bug fixes, for the quoted products for the entire contract period and; · That the proposed products meet the technical & functional requirements & also products quoted are of the latest version / specification and are not nearing end of life.	
29.	The Authorized Signatory signing the Bid on behalf of the Bidder - should have the Power of Attorney duly authorized by the Board of Directors to sign the Bid. Power of attorney shall be submitted in prescribed format on Non-Judicial stamp paper.	

Annexure XVIII
Equipment Compliance Sheet

Interactive Touch Display Panel
55” Interactive Touch Display Panel

Technical Specification Required		Bidder’s Proposed Specification	Compliance of specification
Make & Model			
Display Panel Size	Minimum 55”		
Native Resolution	Minimum 3840 x 2160		
Brightness	300cd/m2 or better		
Contrast Ratio	1,100:1 or better		
Viewing Angle(H x V)	178 x 178 or better		
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1		
Output	HDMI ≥ 1 AUDIO 3.5mmx1		
Panel Technology & Built in Touch type	LED & IR		
Surface Protection	Minimum 4mm Thick Toughened Glass		
Multi touch point	10 Points or Higher		
Life Cycle	Minimum 30,000 Hours		
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects		
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage		

	Management, E-mail		
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.		
Auto Brightness sensor,Response Time	Required , 10ms or better		
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher		
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support		
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent		
Power Consumption (Typ.)	300 W or less		
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module		
Audio Power	20W(10W x 2) or better		
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC		
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand		
Warranty	3 years onsite		
Installation	Wall mount		

65” Interactive Touch Display Panel

Technical Specification Required		Bidder's Proposed Specification	Compliance of specification
Make & Model			
Display Panel Size	Minimum 65"		
Native Resolution	Minimum 3840 x 2160		
Brightness	300cd/m2 or better		
Contrast Ratio	1,100:1 or better		
Viewing Angle(H x V)	178 x 178 or better		
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1		
Output	HDMI ≥ 1 , AUDIO 3.5mmx1		
Panel Technology & Built in Touch type	LED & IR		
Surface Protection	Minimum 4mm Thick Toughened Glass		
Multi touch point	10 Points or Higher		
Life Cycle	Minimum 30,000 Hours		
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects		
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail		
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.		
Auto Brightness sensor,Response Time	Required , 10ms or better		
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed		

	1.2Ghz or higher		
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support		
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent		
Power Consumption (Typ.)	300 W or less		
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module		
Audio Power	20W(10W x 2) or better		
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC		
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand		
Warranty	3 years onsite		
Installation	Wall mount		

75” Interactive Touch Display Panel

Technical Specification Required		**Bidder’s Proposed Specification**	**Compliance of specification**
Make & Model			
Display Panel Size	Minimum 75”		
Native Resolution	Minimum 3840 x 2160		
Brightness	300cd/m2 or better		
Contrast Ratio	1,100:1 or better		
Viewing Angle(H x V)	178 x 178 or better		
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1		
Output	HDMI ≥ 1, AUDIO 3.5mmx1		
Panel Technology & Built in Touch type	LED & IR		
Surface Protection	Minimum 4mm Thick Toughened Glass		

Multi touch point	10 Points or Higher		
Life Cycle	Minimum 30,000 Hours		
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects		
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail		
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.		
Auto Brightness sensor,Response Time	Required , 10ms or better		
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher		
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support		
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent		
Power Consumption (Typ.)	500 W or less		
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module		
Audio Power	20W(10W x 2) or better		
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC		
Accessory	Remote		

	Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand		
Warranty	3 years onsite		
Installation	Wall mount		

86” Interactive Touch Display Panel

Technical Specification Required		**Bidder’s Proposed Specification**	**Compliance of specification**
Make & Model			
Display Panel Size	Minimum 86”		
Native Resolution	Minimum 3840 x 2160		
Brightness	300cd/m2 or better		
Contrast Ratio	1,100:1 or better		
Viewing Angle(H x V)	178 x 178 or better		
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1		
Output	HDMI ≥ 1, AUDIO 3.5mmx1		
Panel Technology & Built in Touch type	LED & IR		
Surface Protection	Minimum 4mm Thick Toughened Glass		
Multi touch point	10 Points or Higher		
Life Cycle	Minimum 30,000 Hours		
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects		
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail		
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase,		

	Floating Tool Bar, and all Major educational tools etc.		
Auto Brightness sensor,Response Time	Required , 10ms or better		
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher		
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support		
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent		
Power Consumption (Typ.)	500 W or less		
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module		
Audio Power	20W(10W x 2) or better		
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC		
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand		
Warranty	3 years onsite		
Installation	Wall mount		

OPS PC Specification

Technical Specification Required		Bidder's Proposed Specification	Compliance of specification
Make & Model			
Processor System	CPU: Minimum of Intel Core i5 or Higher		
Memory	RAM: 4 GB or Higher		
	HDD: 1TB or Higher		
Display	Minimum Resolution (Chipset support): HDMI/eDP,3840 x 2160		
	Output: HDMI ≥ 1, VGA≥1		
Connectivity	WIFI support 802.11b/g/n		
	LAN: Minimum 1 X 10/100/1000 Mbps		
I/O Interface	HDMI ≥ 1		
	USB ≥2 (USB 2.0/3.0)		
	Audio: 1 x Line-out, 1 Mic IN		
External Wireless USB Device	Wireless Mouse		
	Wireless Keyboard		
Power Requirements	Power Consumption: 90W or less		
	Input Voltage: 12V, 5A		
Operating System	Windows 8 or above		
Processor Speed	1.8 Ghz or Higher		
Installation	Should be internally integrated with Interactive Touch Display.		
Standard Certification	CE/BIS, UL/FCC		
Warranty	3Years onsite		

Tablet

Technical Specification Required		Bidder's Proposed Specification	Compliance of specification
Make & Model			
Size	10" or above		
Internal Memory	64 GB or higher		
RAM	4 GB or higher		
Display	Minimum Resolution 1920 X 1200 or Higher		

Camera	Front 5 MP or higher & Rear 8 MP or higher		
Wi-FI connectivity	IEEE 802.11 ac/n/g/b/a		
Screen Share	Mirror casting software to share contents with Touch Display		
Operating System	Android – Lollipop 6.0 or Higher		
Battery	7000 MAh or above		
Processor Speed	1.8 Ghz or Higher		
Certificates	CE/FCC,BIS		
Warranty	3 years onsite		
Accessories	Tablet Cover, Tempered glass, Charger, Manual		

Pen Drive

Technical Specification Required		Bidder's Proposed Specification	Compliance of specification
Make & Model			
Type	USB Flash Drive 2.0 or Higher		
Capacity	128 GB		
Read Speed	25 Mbps or more		
Write Speed	8 Mbps or more		
OS Support	Windows 8 or higher		

Hard Disk

Technical Specification Required		Bidder's Proposed Specification	Compliance of specification
Make & Model			
Type	USB Flash Drive 2.0 or Higher		
Capacity	1TB		
Read Speed	25 Mbps or more		
Write Speed	8 Mbps or more		
OS Support	Windows 8 or Higher		

Solar Component

Standalone Solar Solution

For 55" & 65" Interactive Touch Display Panel			
Details	**Specification**	**Bidder's Proposed Specification**	**Compliance of specification**
System Capacity	600 Wp Solar System		
Solar Module (Size & Nos)	300Wp, 2Nos, Poly Crystalline		
Power Conditioning Unit	24V, 500 VA		
Battery Size	24V, 100Ah		
For 75" & 86" Interactive Touch Display Panel			
System Capacity	975 Wp Solar System		
Solar Module (Size & Nos)	325Wp, 3Nos Poly Crystalline		
Power Conditioning Unit	24V, 750 VA		
Battery Size	24V, 200Ah		

Hybrid Solar Solution

For 55" & 65" Interactive Touch Display Panel			
Details	**Specification**	**Bidder's Proposed Specification**	**Compliance of specification**
System Capacity	300 Wp Solar System		
Solar Module (Size & Nos)	300Wp, 1Nos, Poly Crystalline		
Power Conditioning Unit	24V, 500 VA		
Battery Size	24V, 40Ah		
For 75" & 86" Interactive Touch Display Panel			
System Capacity	600 Wp Solar System		
Solar Module (Size & Nos)	300Wp, 2Nos Poly Crystalline		
Power Conditioning Unit	24V, 750 VA		
Battery Size	24V, 80Ah		

Annexure XIX

Equipment Pre-Dispatch Inspection Format

All Test criteria need to be assessed with respect to compliance and the specification submitted by bidder in the proposal. Pre Dispatch Inspection will not pass any item which even if meets the compliance but deviates from the specification submitted by the bidder during proposal submission.
With aforesaid clause, test criteria will imply –
During pre-dispatch inspection, the equipment under test must satisfy both the following conditions
1. Actual result should comply with test criteria
2. Actual result should match with the specification submitted by the bidder as part of the proposal submission

Inspection Forms

Interactive Touch Display Panel

55" Interactive Touch Display Panel

Technical Specification Required		Bidder's Proposed Specification	Actual Result	Test Outcome (Pass/Fail)
Make & Model				
Display Panel Size	Minimum 55"			
Native Resolution	Minimum 3840 x 2160			
Brightness	300cd/m2 or better			
Contrast Ratio	1,100:1 or better			
Viewing Angle(H x V)	178 x 178 or better			
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1			
Ouput	HDMI ≥ 1, AUDIO 3.5mmx1			
Panel Technology & Built in Touch type	LED & IR			
Surface Protection	Minimum 4mm Thick Toughened Glass			
Multi touch point	10 Points or Higher			
Life Cycle	Minimum 30,000 Hours			
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects			
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for			

	teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail			
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.			
Auto Brightness sensor,Response Time	Required , 10ms or better			
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher			
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support			
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent			
Power Consumption (Typ.)	300 W or less			
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module			
Audio Power	20W(10W x 2) or better			
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC			
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand			
Warranty	3 years onsite			
Installation	Wall mount			

65” Interactive Touch Display Panel

Technical Specification Required		**Bidder’s Proposed Specification**	**Actual Result**	**Test Outcome (Pass/Fail)**
Make & Model				
Display Panel Size	Minimum 65”			
Native Resolution	Minimum 3840 x 2160			

Brightness	300cd/m2 or better			
Contrast Ratio	1,100:1 or better			
Viewing Angle(H x V)	178 x 178 or better			
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1			
Ouput	HDMI ≥ 1,AUDIO 3.5mmx1			
Panel Technology & Built in Touch type	LED & IR			
Surface Protection	Minimum 4mm Thick Toughened Glass			
Multi touch point	10 Points or Higher			
Life Cycle	Minimum 30,000 Hours			
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects			
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail			
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.			
Auto Brightness sensor,Response Time	Required , 10ms or better			
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher			
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support			
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent			
Power Consumption (Typ.)	300 W or less			
Expansion Modules	Minimum 1 slot for			

(OPS)	Windows PC Module			
Audio Power	20W(10W x 2) or better			
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC			
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand			
Warranty	3 years onsite			
Installation	Wall mount			

75" Interactive Touch Display Panel

Technical Specification Required		**Bidder's Proposed Specification**	**Actual Result**	**Test Outcome (Pass/Fail)**
Make & Model				
Display Panel Size	Minimum 75"			
Native Resolution	Minimum 3840 x 2160			
Brightness	300cd/m2 or better			
Contrast Ratio	1,100:1 or better			
Viewing Angle(H x V)	178 x 178 or better			
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1			
Output	HDMI ≥ 1, AUDIO 3.5mmx1			
Panel Technology & Built in Touch type	LED & IR			
Surface Protection	Minimum 4mm Thick Toughened Glass			
Multi touch point	10 Points or Higher			
Life Cycle	Minimum 30,000 Hours			
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects			
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail			
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool			

	Bar, and all Major educational tools etc.			
Auto Brightness sensor,Response Time	Required , 10ms or better			
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher			
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support			
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent			
Power Consumption (Typ.)	500 W or less			
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module			
Audio Power	20W(10W x 2) or better			
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC			
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand			
Warranty	3 years onsite			
Installation	Wall mount			

86” Interactive Touch Display Panel

Technical Specification Required		**Bidder’s Proposed Specification**	**Actual Result**	**Test Outcome (Pass/Fail)**
Make & Model				
Display Panel Size	Minimum 86”			
Native Resolution	Minimum 3840 x 2160			
Brightness	300cd/m2 or better			
Contrast Ratio	1,100:1 or better			
Viewing Angle(H x V)	178 x 178 or better			
Input	HDMI ≥ 1,VGA ≥1,USB(3.0) ≥1, OPS Slot-1,RGB-1, LAN-1, USB(2.0) ≥1, Audio 3.5mm x1, RS 232 ≥1			
Output	HDMI ≥ 1, AUDIO			

	3.5mmx1			
Panel Technology & Built in Touch type	LED & IR			
Surface Protection	Minimum 4mm Thick Toughened Glass			
Multi touch point	10 Points or Higher			
Life Cycle	Minimum 30,000 Hours			
Touch Tools	Finger, Touch Pen, Glove, Opaque Objects			
Embedded Interactive White Board Software	PC Less Interactive White Board mode feature for teaching should be available, Content Management system & application to support Writing, drawing, Eraser, Screen Capture, video player, Storage, File and folder manager, storage Management, E-mail			
Interactive Features	Writing, Pen, Eraser, Save, Screen Capture, Storage, Palm Erase, Floating Tool Bar, and all Major educational tools etc.			
Auto Brightness sensor,Response Time	Required , 10ms or better			
Built in OS	Android 8.0 or above, RAM of 3GB or higher, Internal Storage of 16GB or Higher, CPU with processor speed 1.2Ghz or higher			
Built in WI-FI	Devices Interfaces: IEEE 802.11 ac/n/g/b/a wireless LAN, 10/100/1000 Gigabit WAN port, Dual Band 2.4/5Ghz support			
Media share	Screen Share/ Mirror cast to Connect TAB/Mobile OS independent			
Power Consumption (Typ.)	500 W or less			
Expansion Modules (OPS)	Minimum 1 slot for Windows PC Module			
Audio Power	20W(10W x 2) or better			
STANDARD(CERTIFICATION)	UL/CE, BIS, FCC			
Accessory	Remote Controller(include battery 2ea), Power Cord, Quick Start Guide, Regulation Book, Touch Pen and holding stand			

Warranty	3 years onsite			
Installation	Wall mount			

OPS PC

Technical Specification Required		Bidder's Proposed Specification	Actual Result	Test Outcome (Pass/Fail)
Make & Model				
Processor System	CPU: Minimum of Intel Core i5 or Higher			
Memory	RAM: 4 GB or Higher			
	HDD: 1TB or Higher			
Display	Minimum Resolution (Chipset support): HDMI/eDP,3840 x 2160			
	Output: HDMI ≥ 1, VGA≥1			
Connectivity	WIFI support 802.11b/g/n			
	LAN: Minimum 1 X 10/100/1000 Mbps			
I/O Interface	HDMI ≥ 1			
	USB ≥2 (USB 2.0/3.0)			
	Audio: 1 x Line-out, 1 Mic IN			
External Wireless USB Device	Wireless Mouse			
	Wireless Keyboard			
Power Requirements	Power Consumption: 90W or less			
	Input Voltage: 12V, 5A			
Operating System	Windows 8 or above			
Processor Speed	1.8 Ghz or Higher			
Installation	Should be internally integrated with Interactive Touch Display.			
Standard Certification	CE/BIS, UL/FCC			
Warranty	3Years onsite			

Tablet

Technical Specification Required		Bidder's Proposed Specification	Actual Result	Test Outcome (Pass/Fail)
Make & Model				
Size	10" or above			
Internal Memory	64 GB or higher			
RAM	4 GB or higher			

Display	Minimum Resolution 1920 X 1200 or Higher			
Camera	Front 5 MP or higher & Rear 8 MP or higher			
Wi-FI connectivity	IEEE 802.11			
Screen Share	Mirror casting software to share contents with Touch Display			
Operating System	Android – Lollipop 6.0 or Higher			
Battery	7000 MAh or above			
Processor Speed	1.8 Ghz or Higher			
Certificates	CE/FCC,BIS			
Warranty	3 years onsite			
Accessories	Tablet Cover, Tempered glass, Charger, Manual			

Pen Drive

Technical Specification Required		Bidder's Proposed Specification	Actual Result	Test Outcome (Pass/Fail)
Make & Model				
Type	USB Flash Drive 2.0 or Higher			
Capacity	128 GB			
Read Speed	25 Mbps or more			
Write Speed	8 Mbps or more			
OS Support	Windows 8 or higher			

Hard Disk

Technical Specification Required		Bidder's Proposed Specification	Actual Result	Test Outcome (Pass/Fail)
Make & Model				
Type	USB Flash Drive 2.0 or Higher			
Capacity	1TB			
Read Speed	25 Mbps or more			
Write Speed	8 Mbps or more			
OS Support	Windows 8 or Higher			

Solar Component

Standalone Solar Solution

For 55" & 65" Interactive Touch Display Panel				
Details	**Specification**	**Bidder's Proposed Specification**	**Actual Result**	**Test Outcome (Pass/Fail)**
System Capacity	600 Wp Solar System			
Solar Module (Size & Nos)	300Wp, 2Nos, Poly Crystalline			
Power Conditioning Unit	24V,500 VA			
Battery Size	200 Ah, 24 V			
For 75" & 86" Interactive Touch Display Panel				
System Capacity	975 Wp Solar System			
Solar Module (Size & Nos)	325Wp, 3Nos Poly Crystalline			
Power Conditioning Unit	24V,750 VA			
Battery Size	24V,100Ah			

Hybrid Solar Solution

For 55" & 65" Interactive Touch Display Panel				
Details	**Specification**	**Bidder's Proposed Specification**	**Compliance of specification**	**Test Outcome (Pass/Fail)**
System Capacity	300 Wp Solar System			
Solar Module (Size & Nos)	300 Wp, 1No, Poly Crystalline			
Power Conditioning Unit	24V,500 VA			
Battery Size & Nos	24V, 40Ah			
For 75" & 86" Interactive Touch Display Panel				
System Capacity	600 Wp Solar System			

Solar Module (Size & Nos)	3000Wp, 2Nos Poly Crystalline			
Power Conditioning Unit	24V,750 VA			
Battery Size & Nos	24V,80 Ah			

Annexure XX

PERFORMA FOR DECLARATION ON PROCEEDINGS UNDER INSOLVENCY AND BANKRUPTCY CODE, 2016

Tender No. : .....
Name of Work : .....
Bidder 's Name : ..... .

I/ We, M/s. _____ declare that:-

a) I /We am / are not undergoing insolvency resolution Process or liquidation or bankruptcy proceeding as on date.
b) I /We am / are undergoing insolvency resolution process or liquidation or bankruptcy proceeding as on date as per Details mentioned below. (Attached detail with technical bid)

Note: Strike out one of above which is not applicable.

It is understood that if this declaration is found to be false, EdCIL (India) Ltd. shall have the right to reject my / our bid, and forfeit the EMD, if the bid has resulted in a contract, the contract will be liable for termination without prejudice to any other right or remedy (including holiday listing) available to EdCIL (India) Ltd.

Place:
Date: Signature of Bidder Name of Signatory

ANNEXURE – XXI

Bank Guarantee towards Bid Security (EMD)

Bank Guarantee No._____

To,
Chief General Manager (DES)
EdCIL (India) Limited
EdCIL House, 18 A,
Sector-16 A NOIDA – 201301 (U.P.), India

Whereas ..... (here in after called "the Bidder") has submitted its Bid dated .....(Date) in response to the RFP No:..... for Selection of Service provider for Entering into Rate Contract for Design, installation, Commissioning and Maintenance of Interactive Digital Board Solution (here in after called "the Bid")

KNOW ALL MEN by these presents that We .... having our registered office at..... (hereinafter called the "Bank") are bound onto EdCIL India Limited, Noida (hereinafter called "EdCIL") in the sum of ..... for which payment well and truly to be made to the said EdCIL itself, its successors and assignees by these presents.

The conditions of these obligations are:

1. If the Bidder withdraws its Bid during the period of Bid validity or
2. If the Bidder, having been notified of the acceptance of its Bid by EdCIL

during the period of Bid validity:

1. fails or refuses to execute the Agreement form if required; or

2. fails or refuses to furnish the performance security, in accordance with the Bid requirement

We undertake to pay EdCIL up to the above amount upon receipt of its first written demand, without EdCIL having to substantiate its demand, provided that in its demand EdCIL will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to (Date) and any demand in respect thereof should reach the Bank not later than the above date.

Dated: the Day of for

(indicate the name of bank)

Signature of Banks Authorized official
Witness (Name)_____
Designation with Code No. ---------
1. Full Address----------