Request for Proposal (RFP)

For

Selection of a Backend Vendor for Construction and Renovation of Classrooms, Establishment of Smart Classrooms, Installation of Solar-Powered Water Filtration Systems, and Development of Ponds with Associated Infrastructure in Hooghly District, West Bengal, under the MPLADS Scheme

Ref No: BECIL/PROJ-DGM/ MPLADS/2026,
Date: 22.10.2026

CPP tender Id: 2026_BECIL_297201_1

Issued by

Broadcast Engineering Consultants India Limited (BECIL)
(A Government of India Enterprise)

Head Office: 14-B Ring Road, IP Estate, New Delhi- 110 002
Corporate Office: BECIL BHAWAN, C-56-A/17, Sector-62, Noida-201 307

Website: www.becil.com

Contents

Tender Information Summary (TIS) 6
Section-I 8
GENERAL INFORMATION & INSTRUCTIONS TO BIDDERS 8
ABOUT BECIL 8
1. Disclaimer 8
2. GENERAL INFORMATION 8
3. INTENT OF THE RFP 9
4. PROCEDURE AND TERMS & CONDITIONS 9
5. VENDORS REQUIREMENT 11
6. PROPOSAL RESPONSE FORMAT 12
7. COMMERCIAL TERMS AND CONDITIONS 13
Defect Liability Period and Warranty 15
8. GLOSSARY OF TERMS 17
9. SELECTION PROCEDURE: 17
10. EVALUATION PROCESS & AWARD 18
10.1 Technical Bid Evaluation 18
10.2 Financial Bid Evaluation and Selection 19
11. Evaluation Process 19
12. NOTIFICATION OF SELECTION 20
13. DISQUALIFICATION: 20
14. BIDDER CODE OF CONDUCT AND BUSINESS ETHICS: 20
TECHNICAL EVALUATION AND FINANCIAL CRITERIA 21
1. TECHNICAL EVALUATION CRITERIA: 21
Section-III 24
A. SCOPE OF WORKS: 24
B. Technical Specifications: 24
Section – IV 28
GENERAL TERMS AND CONDITIONS 28
1. RELATIONSHIP BETWEEN THE PARTIES 28
2. INTELLECTUAL PROPERTY RIGHTS 28
3. LAND AND BORDER PROVISION (FORMAT GIVEN AT ANNEXURE-XII) 28
4. INDEMNITY (FORMAT GIVEN AT ANNEXURE-V) 28
5. CODE OF INTEGRITY (FORMAT GIVEN AT ANNEXURE-XV) 29
6. UNDUE INFLUENCE 29
7. UNLAWFUL/UNETHICAL PRACTICES 29
8. PENALTY FOR BREACH OF INTEGRITY, CONFLICT OF INTEREST AND UNDUE INFLUENCE 29
9. BLACKLISTING/ DEBARMENT 30
10. RISK AND COST CLAUSE 30
11. PENALTIES 30

12. CONFIDENTIALITY 30
13. RIGHT TO INSPECTION 31
14. TERMINATIONS 31
14.1 Termination of Contract by BECIL due to unsatisfactory performance 31
14.2 Termination due to Breach 31
14.3 Termination due to Insolvency 32
14.4 Termination for Convenience 32
15. POST TERMINTION RESPONSIBILITY 32
16. NOTICES 32
17. NO WAIVER 33
18. AMENDMENT: 33
19. ARBITRATION 33
20. JURISDICTION 34
21. FORCE MAJEURE 34
22. SUBCONTRACTING 34
23. EXTENSION OF TIME 34
24. ASSIGNMENT: 35
25. NON-EXCLUSIVE: 35
26. PERSONNEL: 35
27. COMPLIANCE WITH APPLICABLE LAW: 35
28. SEVERABILITY: 36
29. ENTIRE CONTRACT: 36
30. LIQUIDATED DAMAGES 36
31. POWER OF ATTORNEY (FORMAT GIVEN AT ANNEXURE-XIV) 36
32. FORFEITURE OF EMD 37
33. UN-PRICED BILL OF MATERIAL 37
34. Copy of RFP and respective corrigendum/addendum should be duly signed and stamped by the bidder at each page as the token of acceptance of all the terms and conditions given in referred RFP. 37
35. Site Visit and Due Diligence 37
36. Subcontracting 37
37. Labour, Safety and Statutory Compliance 37
38. Integrity, Conflict of Interest and Debarment 38
39. Force Majeure 38
40. Termination of Contract 38
41. Dispute Resolution 38
42. Right to Accept or Reject Bids 38
43. Order of Precedence 39
44. Acceptance of Terms 39
1. Scope of Work 40
2. Approved Client Price and Discount 40

3. Contract Period and Completion Schedule 40
4. Quality Assurance and Inspection 41
5. Delay and Liquidated Damages 41
6. Variations and Extra Items 41
Annexures-I 42
Proposal submission letter 42
Annexures-II 44
Declaration Letter 44
Annexures-III 45
Acceptance Letter 45
Annexures-IV 46
Profile of the Bidder 46
Annexures-V 47
Indemnity Bond 47
Annexures-VI 48
Format for Blacklisting Undertaking 48
Annexures-VII 49
Financial Strength of the Bidder 49
Annexures-VIII 50
Detail of Work Experience 50
Annexures-IX 51
Integrity Pact – Pre-Contract Integrity Pact 51
MANUFACTURER'S AUTHORISATION FORM (MAF) ON OEM LETTER HEAD 56
Annexures-XI 57
UNDERTAKING REGARDING PAYMENT OF GST/ FILING OF GST RETURN 57
Annexures-XII 58
LAND BORDER DECLARATION CERTIFICATE 58
Annexure-XIII 59
Power of Attorney for signing the Bid on Rs. 100 Stamp Paper (Notarized) 59
Annexure-XIV 60
Self-Declaration for the Code of Integrity 60
Annexure-XV 61
Bid Security Declaration Form 61
(Applicable only for MSME): 61
Annexure-XVI 62
PERFORMANCE BANK GUARANTEE FORMAT 62
Annexure-XVII 64
Annexure-XVIII 66
MANDATE FORM 66
Annexure-XIX 67

Address of Consignee..... 67

Tender Information Summary (TIS)

Basic Tender Details			
Tender Title/ Name of the Project	Selection of a Backend Vendor for Construction and Renovation of Classrooms, Establishment of Smart Classrooms, Installation of Solar-Powered Water Filtration Systems, and Development of Ponds with Associated Infrastructure in Hooghly District, West Bengal, under the MPLADS Scheme.		
Tender Reference Number	Ref No: BECIL/PROJ-DGM/ MPLADS/2026, Date: 22.10.2026		
Tender Type	Open Tender	Tender Category	Composite Tender
Estimated Project Cost	Rs 1.73 crores (Rupees One Crore Seventy-Three Lakh only), inclusive of GST and other Taxes		
No. of Covers	Two Covers		
Selection Method	L1 Basis		
Form of BOQ/ Contract	(Percentage Contract)		
Organization:	BECIL	The Procuring Entity:	BECIL
Authority on whose behalf RFP is invited	Government of West Bengal		
Tender Inviting Authority (TIA)	BECIL	Address	C56/A17 Sector-62 Noida 201307
Critical Dates:			
Published Date	06/11/2026	Proposal Validity (Days from the date of Proposal opening)	180 Days
Document Download Start Date	06/11/2026	Document Download End Date & Time	27/11/2026, 10 AM
Last date for submission of Prebid queries through email, Email : rupesh@becil.com	12 /11/2026 (Till 11.00 AM)		
Pre Bid Meeting Date	13/11/ 2026 (12.00 Noon) BECIL Bhawan, C-56/A17 Sector-62 Noida 201307		
Proposal Submission Start Date & Time	06/11/2026 05 P.M	Proposal Submission Closing Date & Time	27/11/2026, 11 AM
Technical Bid Opening Date	27/11/2026, 12.30 PM		
Period of Contract	As Per RFP		
Obtaining the RFP Document and clarifications			
eProcurement and Procuring Entity's Portal and helpdesk	https://eprocure.gov.in/eprocure/app		
EMD Amount in INR: Online/BG: EMD shall be paid online	Rs. 3.5 lakh	Bid Securing Declaration permitted in lieu of Bid Security	Yes, for MSEs having Udhyam Certificate and

or a copy of the original BG for the EMD amount shall be uploaded in the CPP Portal.			registered in relevant services
	As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprises MSEs in similar field are exempted from submission of Bid Security. **The validity of BG shall be 45 days beyond the final bid validity period.**		
Performance Bank Guarantee(PBG)	**5%** of order value	Performance Bank Guarantee to be submitted within 15 days from the date of issue of work order	PBG should be made in Favour of Chairman & Managing Director (CMD), Broadcast Engineering Consultants India Limited (BECIL), Registered & Corporate Office: C-56, A/17, Sector-62, Noida-201301, U.P. Ph.: 0120-4177850.
Contact Details for this RFP	**Name :- Rupesh Kumar** **Designation :- Senior Manager** **Email :- rupesh@becil.com** **Name :- Ved Prakash Gupta** **Designation :- Deputy General Manager** **Email :- ved@becil.com**		

The RFP is divided into Six Sections

Section-I General Information & Instructions to Bidders

This Section provides information to help Bidders prepare their bids. Information is also provided on the submission, opening and evaluation of bids and on the award of Contracts.

Section-II Technical Eligibility Criteria and Financial Criteria

This Section provides information about the Technical Eligibility Criteria and Financial Criteria

Section-III Scope of Work, Technical Specifications and Technical Compliance Certificate.

This Section includes Generic and technical requirements, Detailed technical specifications for the project.

Section-IV General Terms and Conditions

Section –V Special Terms and Conditions

This section contains information about the Timelines of the project, Delivery Address, Payment Schedule, Penalties, Performance Bank Guarantee, Local Sourcing and Generic Clause

Section-VI Annexures

This section contains Formats for Proposal Submission, Acceptance, Declaration, Bid Security Declaration, EMD Submission Format, PBG Format, NDA Format, Vendor Information Form, Pre Contract Integrity Pact and Other Formats

Section-I

GENERAL INFORMATION & INSTRUCTIONS TO BIDDERS

ABOUT BECIL:

Broadcast Engineering Consultants India Limited (BECIL) an ISO 9001:2008 certified, a Mini Ratna public sector enterprise of Government of India under Ministry of Information & Broadcasting, was established on 24th March, 1995 for providing consultancy services of international standards for broadcasting in transmission and production technology including turnkey solutions in the specialized fields of Terrestrial & Satellite Broadcasting, Cable, Media and various Information Technology (IT) related fields, including security, surveillance, acoustics & audio-video systems and smart cities.

BECIL is the professional platform which caters to all aspects of projects related to TV, Radio, Communication, IT, Security and Media from concept to completion and from regulation to realization.

1. Disclaimer:

The information contained in this Tender Document, hereinafter called Request for Proposal (RFP) is being provided to interested Bidder for their participation as per the terms and conditions set out herein.

This RFP includes statements, which reflect various assumptions and assessments arrived at by BECIL in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require.

BECIL may, at 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 BECIL is bound to select or appoint a Bidder for the Project and the BECIL reserves the right to reject all or any of the Bidder or Bids without assigning any reason whatsoever.

The Bidder shall bear all 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 BECIL, or any other costs incurred in connection with or relating to its bid. All such costs and expenses will remain with the Bidder and BECIL 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 for submission of the bid, regardless of the conduct or outcome of the bidding process.

2. GENERAL INFORMATION:

(a) Complete RFP document can be downloaded from CPP Portal. Bid will be submitted concurrently duly digitally signed on the website https://eprocure.gov.in/eprocure/app.

(b) It is mandatory for all the Bidders 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 recognized by CCA India on eToken/Smart Card.

(c) Technical & Financial Bid have to be submitted online on CPPP Portal.

(d) Tender Fee and EMD document should be placed in a single envelope super scribed as

"Tender Fee and EMD documents" for RFP Ref No BECIL/PROJ-DGM/ MPLADS/2026, Date: 22.10.2026 for Request for Proposal (RFP) for Selection of a Backend Vendor for

Construction and Renovation of Classrooms, Establishment of Smart Classrooms, Installation of Solar-Powered Water Filtration Systems, and Development of Ponds with Associated Infrastructure in Hooghly District, West Bengal, under the MPLADS Scheme".

(e) EMD Documents should be submitted before the last date of BID submission at Tender Box, BECIL Bhawan, C-56/A-17, Block 'C', Sector-62, Noida-201307 (U.P). Bids will be rejected if EMD Document are not received before the last date of bid submission.

NOTE: Exempted firms must submit Bid Securing Declaration (as per format given in Annexure-XV) in lieu of Bid Security (i.e. EMD) along with valid exemption certificate, else bids will be rejected.

3. INTENT OF THE RFP:

This RFP is for Selection of a Backend Vendor for Construction and Renovation of Classrooms, Establishment of Smart Classrooms, Installation of Solar-Powered Water Filtration Systems, and Development of Ponds with Associated Infrastructure in Hooghly District, West Bengal, under the MPLADS Scheme

4. PROCEDURE AND TERMS & CONDITIONS

4.1 The proposal is to be submitted in **TWO BID SYSTEM** with **separate Technical and Financial bid.** All bidders are required to submit their offer in two covers as under:-

(4.1.1) **Technical Bid** should contain the following:-

(i) Tender documents duly completed and signed without any financial quote.
(ii) The technical details of the models offered along with the supporting original technical literature, Leaflets, Brochure etc. in duplicate. Compliance to technical specifications as per Technical Compliance Certificate format given at **Para C** of **Section – III.**
(iii) Bidder should not submit financial rates as a part of technical bid. Rates quoted in technical bid would be rejected.
(iv) EMD/Bid Security Declaration, Technical Qualification Documents.

(4.1.2) **Financial bid** should contain the following:-

(i) The percentage discount quoted on the approved client price/rate schedule. These details should be submitted online on CPP Portal.
(ii) The financial bids of only those bidders who meet the prescribed eligibility requirements and are declared technically qualified shall be opened.
(iii) The contract shall ordinarily be awarded to the technically qualified bidder offering the highest unconditional overall percentage discount on the approved client price, subject to verification of price reasonableness, satisfactory fulfilment of tender conditions and approval of the Competent Authority.
(iv) The composite bid i.e. rate indicated in the Technical bid of tender is liable to be rejected. Only the first cover i.e. Technical bid shall be opened on the date of tender opening.
(v) The Bidder is advised to submit their credentials duly signed by an authorized signatory over CPP Portal. The bid should be submitted prior to the scheduled time for bid submission. Bids received beyond the specified date& time will be rejected. It is the responsibility of the Bidder to ensure that the bids have been received on time & to the proper place within the specified dates.
(vi) All bids shall remain valid for a period of **180 days** from the last date of submission of Bid.
(vii) The Bidder shall bear all costs associated with the preparation and submission of RFP and BECIL will in no case be responsible or liable for those costs, regardless of the

conduct or outcome of the RFP process.

(viii) In case any of the information furnished by bidder is found to be wrong or false or in case any material information is not disclosed by bidder while submitting bids, then BECIL shall have the liberty to reject / cancel the bid of the corresponding bid of bidder, at any stage of the procurement process / Contract.

(ix) **Clarifications regarding Contents of RFP:** At any time prior to the deadline for submission of bids, the BECIL may for any reason, whether on its own initiative or in response to the clarification requested by the prospective bidders, may modify the bid document. Such modification/ amendment in the bid document/ RFP at any time prior to the deadline for submission of bid will be uploaded as "corrigendum". Such amendment/modifications shall be binding on all the prospective bidders. BECIL at its discretion may extend the deadline for the submission of bids if the bid document undergoes major changes during the bidding period in order to give prospective bidder time to take into the consideration the amendments while preparing their bids. A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to BECIL before the due date set for asking the pre-bid queries mentioned in the Tender Information Summary (TIS) by sending an email to **rupesh@becil.com/ ved@becil.com.** Please note that only written responses provided through these official emails will be considered valid. All the replies to the pre-bid queries will be published in the CPP portal on or before one week of time due for bid submission. BECIL will publish all the Pre-bid responses/Corrigendum/Addendum in the CPP portal, if needed BECIL is not bound to furnish any answers thereafter the closure of the pre- bid queries timeline/date. All the terms and conditions mentioned in the RFP are binding on Bidder.

(x) In case work order is awarded to any company / firm and later it is found by BECIL, that the agency has furnished wrong information / declaration or not disclosed any material information to BECIL while submitting bid, BECIL reserves the right to cancel the work order awarded to company / firm. Further BECIL reserves the right to forfeit the Bank Guarantee of the Bidder. The pending work will be done on the risk & cost of the Bidder.

(xi) BECIL reserves the right to solicit additional information from Bidders to evaluate which bid best meets the need of the Project. Additional information may include, but is not limited to, past performance records, on-site visit and evaluations by BECIL personnel, or any other pertinent information. It will be vendor's responsibility to check for updated information on BECIL's website www.becil.com.

(xii) **Modification and Withdrawal of Bids** A bidder may modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by BECIL prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by fax/e-mail but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach BECIL not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.

(xiii) **Clarification regarding contents of the Bids** During evaluation and comparison of bids, the BECIL/Customer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. BECIL also reserves the right to call for additional information from the bidders. No post-bid clarification on the initiative of the bidder will be entertained.

(xiv) **Rejection of Bids**: Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional bids will be rejected.

(xv) BECIL will make its decision based on the ability of the Bidder(s) to meet our specific needs, technical expertise of the Bidder(s), delivery capabilities, customer references, past satisfactory performance experience, system completeness etc. besides cost.

(xvi) BECIL reserves the right to waive off any deviations, accept the whole or part thereof or reject any or all bids and to select the Bidder(s) which, in the sole opinion of BECIL/Govt of West Bengal, best meets the project's interest. BECIL also reserves the right to negotiate with potential bidders so that its best interest to fulfill the need of project is served.

(xvii) All information contained in this RFP, or provided in subsequent discussions or disclosures, is proprietary and confidential. No information may be shared with any other organization, including potential sub-contractors, without prior written consent from BECIL.

(xviii) BECIL reserves the right to either increase or decrease the quantity of any or all the items included in suggestive bill of material which are estimated requirements and therefore open to variation.

(xix) BECIL reserves the right to reject any and all proposals, to negotiate all terms of any agreement resulting from this Request for Proposal, and to request additional information from vendors.

(xx) BECIL reserves the right to alter/modify the scope of work mentioned in this RFP document at any stage of the bidding process and contract.

(xxi) The commercial bid shall clearly indicate the price to be charged and should include all packing and forwarding, transportation, transit insurance, taxes, duties, fees, levies and other charges as may be applicable in relation to the activities proposed to be carried out. All such charges shall be included in the rates quoted in the prescribed format.

(xxii) The successful bidder shall keep BECIL informed of the progress on each activity on fortnightly basis. In case of any delay in any particular activity, the recovery plan shall be evolved and given to BECIL for ensuring completion of all the activities within the overall time schedule specified by BECIL. BECIL reserves the right to terminate the contract at any stage of the work by giving 15 days' notice if it is noticed that the delay occurred in any of the activities covered under the contract cannot be made good and will affect the overall work schedule. In this case, BECIL shall revoke the Performance Bank Guarantee of the bidder. The decision of BECIL shall be final and binding.

(xxiii) BECIL reserves the right to monitor work execution progress and review it on as required basis. The works contractor will be fully transparent, responsive and demonstrate at all times that he is in position to complete the work as per the specified time schedule.

(xxiv) This RFP is issued for the **"**Execution of nine works under MPLADS fund**".** The bidder is responsible for completeness of the project.

(xxv) The bidder shall be responsible for any damage to the equipment / site occurred due to negligence of bidder and cost of repair / replacement for the same will be recovered from the bidder.

(xxvi) In case Company goes into liquidation or change in business/management, it will be intimated to BECIL. In case, of liquidation, the work order/contract executed with the bidder shall be terminated forthwith by giving a notice of termination of thirty days.

(xxvii) The bid response should be signed by an authorized signatory. The firm should enclose the power of attorney in the name of authorized signatory.

5. VENDORS REQUIREMENT

(a) Additional information

Vendors should provide the following additional information.

(i) A copy of the latest / last annual report of the company and wherever applicable of the key principals. This is required, amongst other things, to understand the financial strengths, growth rate etc. of System Integrator (S.I.).

(ii) List with details (including name of client) of similar work executed in India.

(iii) Particulars of the partners or related / inter-linked company in India for sales, installation /

commissioning and support (for Bidder/Agency OR, principals with whom you have a tie-up (in the case of integrators).

(iv) Any other detailed information of relevance (such as market shares etc.) with supporting documents or references.

(b) LOGISTICS ARRANGEMENTS

a) All arrangements required for transportation of equipment and lodging/ boarding of maintenance personnel would be the responsibility of Bidder.
b) Bidder shall coordinate with client for Road permit/E-way Bill for movement of material to and from Site.

6. PROPOSAL RESPONSE FORMAT

a) The Bidder should ensure that all the required documents, as mentioned in this RFP/ bidding document, are submitted along with the bid and in the prescribed format only.
b) Non-submission of the required documents or submission of the documents in a different format/ content may lead to the rejections of the bid proposal submitted by the Bidder.
c) It shall be the sole responsibility of the Bidder to ensure that all the documents required for the Pre-Qualification and the Technical Evaluation of the bid are uploaded on the portal well within time and BECIL shall not entertain any representation from any Bidder, who fails to upload the requisite documents within the stipulated time and date on account of any technical issues related to low internet connectivity, size of the files to be uploaded etc. Therefore, the Bidders are notified that they must read the instructions / information given on the homepage of the e- tender portal and must understand all the nuances of technology in advance.
d) It is required that all the Bids submitted in response to this RFP should be unconditional in all respects, failing which BECIL reserves the right to reject the Bid.
e) It shall be the responsibility of the Bidder to re-check that each page of the requisite document uploaded as a part of the bid is stamped and duly signed by an authorized signatory.
f) Bid documents must be direct, concise, and complete. BECIL will evaluate Bidder proposal based on its clarity and the directness of its response to the requirements of the project as out lined in this RFP. Bidder shall furnish the required information on their technical and commercial proposals in the enclosed/recommended formats only.
g) The proposal should be submitted in two distinct parts: a Technical Proposal & a Commercial Proposal.
h) Figures and tables must be numbered and referenced in the text by that number. They should be placed as close to possible to the referencing text. Pages must be numbered consecutively within each section of the proposal showing proposal section and page number.
i) Proposals shall be based only on the items contained in this RFP and its standard required accessories. The RFP includes official response to pre-proposal conference questions, addenda, and any other material published by the BECIL pursuant the RFP. The bidder is to disregard any previous draft materials and any oral representations it may have received. All responses to the requirements in Sections of this RFP must clearly state whether the proposal will satisfy the referenced requirements, and the manner in which the requirement will be satisfied.
j) Pricing information shall appear only in the commercial bid and the technical bid shall contain details of material offered and a compliance statement with reference to the bid document highlighting any deviations.

7. COMMERCIAL TERMS AND CONDITIONS

Each Bidder is required to accept the following terms and conditions:-

1.	**Earnest Money Deposit(EMD)**	Bidders are required to submit an **Earnest Money Deposit (EMD) of Rs. 3.5 lakhs/-** along with their bids. The EMD can be paid online or Bidder may submit a valid Bank Guarantee (BG) for the EMD amount as per the format at **Annexure-XVI** specified in this RFP. The copy of the valid BG or online payment receipt must be uploaded on the CPP Portal. Bids submitted without EMD will be treated as rejected. **EMD is to remain valid for Forty-Five days beyond the final bid validity period** The EMD amount will not accrue any interest. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract. The Bid Security of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Security from them as called for in the contract. The Micro, Small and Startup agencies and startup registered for doing similar work are exempted from payment of EMD subject to submission of valid registration certificate as per Rule 170 of GFR-2017. Exempted firms must submit Bid Securing Declaration (as per format given in Annexure-XV) in lieu of Bid Security (i.e. EMD) along with valid exemption certificate, else bids will be rejected. **The EMD will be forfeited, if the bidder withdraws or amends, impairs or derogates from the tender in any respect within the validity period of their tender.** **EMD will not be accepted in any other form. Bid without EMD will not be accepted. No interest is payable on EMD amount**. **Beneficiary Details:** **Bank Name:** HDFC Bank **Branch Name:** Ansals Fortune Arcade, K- Block, Sector - 18, Noida - 201301, Uttar Pradesh **Account Number:** 50200076192513 **Type of Account:** OD Account **IFSC Code:** HDFC0000088 **Mandate Form attached at Annexure-XVIII** **NOTE: Exempted firms must submit Bid Security Declaration (as per format given in Annexure-XV) in lieu of Bid Security (i.e. EMD) along with valid exemption certificate, else bids will be rejected.** **<u>Important Note:</u>** • The EMD amount will not accrue any interest. • For bidders opting to submit a Bank Guarantee, the original BG must be delivered to BECIL's Noida Office before the bid submission deadline (due date and time). The validity of BG shall be valid for a period of forty-five days beyond the final bid validity period.

		• Failure to submit the original BG within the stipulated time will result in the rejection of the bid, and such bids will be considered null and void. • In case BG is found to be forged, bid will be rejected and BECIL can take suitable action as per law. • In case a bid is submitted without EMD as mentioned above, BECIL reserves the right to reject the bid without providing opportunity for any further correspondence to the bidder concerned. • Bidder's EMD will be discharged after the finalization of qualified bidder.
2.	**Prices**	The Prices should be quoted in Indian Rupees only and prices should be FOR destination at Sites. The Price shall include all taxes and levies, and GST (Goods and Services Tax) as per Price Bid Format at **Annexure XXI**. In case, taxes are not mentioned in Financial bid, prices shall be considered inclusive of taxes.
3.	**Payment Terms**	**Payment Schedule for Execution of work under MPLADS** Full payment shall be released against satisfactory completion of work, post receipt of work completion certificate from the client, subject to the receipt of the funds from Government of West Bengal **TERMS & CONDITIONS FOR PAYMENTS:** 1. The payments terms between BECIL & selected agency are on back to back basis and the payment shall be released by BECIL only if and when received by BECIL from our client (Government of West Bengal) and subject to terms & conditions of the RFP and submission of complete required documents. 2. Selected agency will not demand or make any claim under any law with respect to the pending payment till the time corresponding payment is received by BECIL from the Client (Government of West Bengal). BECIL shall not be responsible in any manner whatsoever for any delay in releasing the payments or withholding of payments by the Client. 3. The (day) date of delivery of goods and/or rendering of services by selected agency shall be the date of realization of payment from the client once the goods and/or services are accepted by client. 4. The date of receipt of payment from the Client shall be construed as the date of acceptance and the date of deemed acceptance in terms of the Micro Small and Medium Enterprises Act 2006. 5. The stage wise invoices raised by selected agency may be accepted by BECIL, however, the date of completion of the milestone / delivery of goods or services shall only be recognized for invoice and its payment when the respective acceptance of goods or services and payment thereof is received from the Client (Government of West Bengal). 6. If in the instant contract, selected agency is acting only as trader / reseller / distributor/ authorized agents and/ or is engaged in a WORKS contract, no benefits under MSME Act 2006 and PPP Policy 2012 as per MSE

		Guidelines issued by Ministry of MSME would be applicable to it on account of acceptance of back to back payment terms as above. By agreeing to the terms of RFP, the selected agrees to forgo its rights under this Act and Policy.
4	**Tax invoice**	1. All Tax invoices should be raised in the name of **"Broadcast Engineering Consultants India Limited, 14-B, Ring Road, I.P. Estate, New Delhi -110002"** **BECIL GST: 07AAACB2575L1ZK** 2. All the tax invoice must be raised ONLY after the completion of milestone along with supporting documents. Invoice received without completion of respective milestone will not be considered. 3. Selected agency hereby agrees to ensure timely GST compliances as per the statutory requirements. All the costs pertaining to any GST non-compliance including but not limited to any loss of eligible input tax credit due to non-payment/non-filing of GST return and applicable interest/penalties shall be borne/indemnified by selected agency. Further, selected agency hereby agrees that BECIL reserves the right for reimbursement of any such cost incurred out of the aforesaid noncompliance(s). Selected agency will provide proof of payment of GST i.e. GSTR-1, GSTR-3B, etc. for taking GST payment from BECIL against invoices.
5	**Delivery Period**	The work as per attached scope of work must be completed within 60 days of issue of work order.
6	**Defect Liability Period and Warranty**	➢ Civil Works: The Contractor shall be responsible for rectifying, at its own cost, defects attributable to defective materials, workmanship or execution identified during the defect liability period of 12 months from the date of completion and acceptance of the respective work, or such other period as prescribed under the applicable standard contract and approved tender conditions. ➢ Smart Classroom Equipment: All supplied IT equipment shall carry the OEM warranty specified in the technical specifications for a minimum period of 12 months wherever applicable. The warranty shall cover defects in materials and workmanship and shall include repair or replacement and onsite support as specified in the tender. ➢ Solar-Based Water Filtration Systems: The Contractor shall provide a minimum 12-month defect liability period for the complete installed system from the date of commissioning and acceptance. The warranty for individual equipment, including solar panels, pumps, filtration units, electrical controls and other components, shall be as specified in the technical specifications and OEM warranty documents. ➢ Rectification of Defects: The Contractor shall rectify defects notified during the applicable defect liability or warranty period within the time specified by BECIL, without additional cost to the purchaser where the defect

		is attributable to the Contractor or covered by the applicable warranty. ➢ Handover and Documentation: Before final acceptance, the Contractor shall submit completion certificates, test reports, commissioning records, warranty certificates, operation and maintenance manuals and other documents specified in the contract. ➢ The defect liability and warranty obligations shall survive completion and payment in accordance with the contract.
7	**Period of Contract**	Effective Date of the Contract period will start from the date of issue of Work Order and the End date of Contract will be 1 year from the date of Commissioning.
8	**Packing**	The material/equipment should be securely packed to withstand transit hazards during different modes of transportation.
9	**Performance Bank Guarantee**	The Selected Bidder provides a Performance Bank Guarantee (PBG) as per Format attached at **Annexure-XVII**, within 15 days from the issue of work order for an amount equivalent to 5% of the order value, The validity of the Performance Bank Guarantee (PBG) is for the contract period plus 45 days from the date of issue of work order. Performance Bank Guarantee (PBG) to be addressed/ in favour of Chairman & Managing Director (CMD), Broadcast Engineering Consultants India Limited (BECIL), Registered & Corporate Office: C-56, A/17, Sector- 62, Noida- 201307, U.P. **Beneficiary Details:** **Bank Name:** HDFC Bank **Branch Name:** Ansals Fortune Arcade, K- Block, Sector - 18, Noida - 201301, Uttar Pradesh **Account Number:** 50200076192513 **Type of Account:** DOD Account **IFSC Code:** HDFC0000088 **Mandate Form attached at Annexure-XVIII** The selected Bidder is required to extend the PBG (if required) beyond the initial period. If the selected Bidder fails to extend the PBG, BECIL may encash the PBG. BECIL may forfeit the PBG/Security on account of any failure on part of the selected Bidder to complete its obligations under the Agreement or in the case of non-acceptance of the work order. In case the successful bidder fails to submit this PBG within the time stipulated, BECIL at its discretion may cancel the work order without giving any notice and invite the L2 bidder to discharge its duties and ask to submit the Performance Security from L2 bidder.
10	**Taxes**	As applicable
11	**Proposal Validity**	180 Days from last Date of Bid-Submission
12	**Address of consignee**	As annexure XIX

8. GLOSSARY OF TERMS:

SL No.	Term	Meaning
1.	**Bidder**	Bidder should be a company registered in India under the Indian Companies Act, 2013 (erstwhile companies Act, 1956) or Limited Liability Partnership (LLP) or Proprietorship.
2.	**Confidential Information**	Any information disclosed to or by any Party to this Contract and includes any information in relation to the Parties, a third party or any information including any such information that may come to the knowledge of the Parties hereto by virtue of this Contract that: or is by its nature confidential or by the circumstances in which it is disclosed confidential; or is designated by the disclosing Party as confidential or identified in terms connoting its confidentiality; but does not include information which is or becomes public knowledge other than by a breach of this Contract.
3.	**Contract**	The RFP and all Annexures thereto, the Contract entered between the selected Bidder with the Purchaser/ BECIL as recorded in the Contract form signed by the Purchaser and the Bidder including all Annexures thereto and the agreed terms as set out in the RFP, all documents incorporated by reference therein and amendments and modifications to the above from time to time.
4.	**Contract Value**	The price payable to the Bidder under this Contract for the full and proper performance of its contractual obligations.
5.	**Client / End customer /User**	Government of West Bengal
6.	**Effective Date**	The date on which this Contract comes into force.
7.	**Non- compliance**	Failure/ refusal to comply to the terms and conditions of the proposal/ Contract
8.	**Parties**	BECIL/Client/Successful Bidder as the case may be
9.	**Proposal**	Response or offer submitted by Bidder for this e-RFP
10.	**Purchaser**	Broadcast Engineering Consultants India Limited (BECIL)
12.	**Services**	Services to be provided as per the requirement mentioned in the scope of work and instructions thereof issued from time to time by BECIL.
13.	**System Integrator/Service Provider/Agency**	Bidder who has been selected to execute the project is referred as Project Implementing Agencies (PIA)/ Vendor/ Finalized Bidder/ contractor who is authorized and a responsible agency to execute (Supply, Installation, Testing, Commissioning, Training, warranty and Support services)

9. SELECTION PROCEDURE:

a) The Purchaser will constitute a Bid Evaluation Committee to evaluate the responses of the Bidder.
b) The Bid Evaluation Committee constituted by the Purchaser shall evaluate the responses to the RFP and all supporting documents / documentary evidence. Inability of a Bidder to submit requisite supporting documents / documentary evidence within a reasonable time provided to it, may lead to Proposal being declared non-responsive.
c) The decision of the Bid Evaluation Committee in the evaluation of responses to the RFP shall be final.

d) BECIL may ask for additional documents/meetings with the Bidder to seek clarifications on their proposals. Bidder has to submit the clarifications / additional particulars through CPP Portal/through email within the time limit. The Bidders offer will be disqualified, if the clarifications / additional particulars sought are not submitted within the specified date and time.
e) BECIL reserves the right to reject any or all Proposals based on any deviations contained in them, negotiate all terms of agreement resulting from this RFP and to request additional information.
f) Each of the responses shall be evaluated as per the criteria's set and requirements specified in this RFP.
g) The objective of evaluation methodology is to facilitate the selection of technically superior Bidder.

The Bidder will be selected as per the following process:

a) The Bidder satisfying the eligibility criteria will be shortlisted and will be selected after due scrutiny of documents submitted by the Bidder. BECIL may, at its sole discretion, decide to seek more information from the Bidder. The clarification shall be given in writing immediately.
b) The Evaluation committee constituted for the purpose, may waive any informality or non-conformity or irregularity in an application which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder. All the decisions of the Evaluation Committee would be final and binding upon the Bidder.
c) Evaluation committee's decision in respect of evaluation methodology and short listing of Bidder will be final and no communications, whatsoever in this respect, shall be entertained.
d) If the committee finds that the detailed commercial bid submitted by the Bidder is with "NIL" charges/not in order or incomplete etc. then the committee shall treat the bid as non-viable and same shall be rejected, and EMD shall be forfeited. In such case next ranked Bidder shall be considered for further evaluation and so on till a Bidder is selected
e) If the Agreement with the Selected Bidder is terminated for any reason before the completion of the term set for project completion, BECIL reserves the right to offer the contract for the remaining scope of work to the L2 Bidder. This will be done by issuing a Notification of Award, provided that the L2 Bidder agrees to perform the services at the L1 rate. If the L2 Bidder declines to match the L1 rate, BECIL will extend the same offer to the L3 Bidder, and so forth. Should none of the shortlisted Bidder agree to match the L1 rate, BECIL will proceed to invite fresh bids.
f) If any Bidder withdraws his bid, at any stage after the submission of the bid, till the final evaluation or declaration of the final selected Bidder, it shall be declared a defaulting Bidder and EMD of such defaulting Bidder shall be forfeited and Purchaser reserves right to blacklist such Bidder for next three years from participating in any Purchasers' tender. In such situation the tendering process shall be continued with the remaining Bidder as per their ranking.
g) If the Bidder backs out after being declared as selected Bidder, it shall be declared a defaulting Bidder and EMD of such defaulting Bidder shall be forfeited and Purchaser reserves right to blacklist such organization for next three years from participating in any Purchaser Tender.

10. EVALUATION PROCESS & AWARD

10.1 Technical Bid Evaluation

10.1.1 The technical bid shall be evaluated against the eligibility and compliance requirements expressly specified in the tender.

10.1.2 Bids that fail to meet mandatory eligibility requirements or contain material deviations from the tender conditions may be rejected with recorded reasons.

10.1.3. The procuring entity may seek clarifications or supporting documents to the extent permitted under the applicable procurement rules. Such clarifications shall not permit material alteration of the bid or give an unfair advantage to any bidder.

10.1.4. Technical evaluation shall be conducted consistently and objectively, and the evaluation record shall be maintained.

10.2 Financial Bid Evaluation and Selection

10.2.1. The bidder shall quote a single, unconditional overall percentage discount on the approved client price/rate schedule provided with the tender.

10.2.2 The approved client price/rate schedule shall include the applicable DSR items, approved Non-Schedule Items (NSI), and the specified GST-inclusive rates and amounts.

10.2.3 The quoted discount shall be applied uniformly to the applicable approved client price/rate schedule. No item-specific or conditional discount shall be permitted unless expressly provided in the tender.

10.2.4 The evaluated price shall be determined by applying the quoted discount to the common approved client price/rate schedule, in accordance with the calculation methodology stated in the tender.

10.2.5 The technically qualified bidder offering the highest unconditional discount shall ordinarily be ranked L1, subject to price-reasonableness assessment and fulfilment of all contractual requirements.

10.2.6 In the event of a tie, the tie-breaking method specified in the tender shall apply.

10.2.7 BECIL reserves the right to seek a written price analysis or clarification where a bid appears abnormally low or otherwise raises concerns regarding the bidder's capacity to perform the contract. Any decision to reject a bid shall be based on the applicable procurement provisions and recorded reasons.

10.2.8. No minimum percentage discount below the approved client price shall automatically be prescribed as a pass/fail criterion. A fixed minimum discount may be adopted only if supported by applicable rules and a properly documented justification.

10.2.9. The award shall be subject to approval by the Competent Authority and execution of the prescribed contract documents.

11. Evaluation Process

No enquiry shall be made by the bidder(s) during the course of evaluation of the RFP, after opening of bid, till final decision is conveyed to the successful bidder(s). However, the Committee/ its authorized representative and office of BECIL can make any enquiry/ seek clarification from the bidders, which the bidders must furnish within the stipulated time else the bids of such defaulting bidders will be rejected. The proposal will be evaluated on the basis of its content, not its length.

a) The bidders' proposals will be evaluated as per the requirements specified in the RFP and adopting the evaluation criteria spelt out in subsequent paras of this RFP document. The Bidders are required to submit all required documentation as per evaluation criteria specified in RFP.
b) Proposals received by the prescribed date and time shall only be considered and evaluated by a duly constituted tender evaluation committee.
c) Upon verification, evaluation/ assessment, if in case any information furnished by the Bidder is found to be Incomplete/ incorrect, their bid will be summarily rejected and no correspondence on the same shall be entertained. Submission of false/ forged documents will lead to forfeiture of security deposit/ EMD and blacklisting of agency for a minimum period of 3 years from participating in BECIL tenders.

d) The EMD amount will be returned without any interest to the respective disqualified bidders after the submission of Performance Bank Guarantee by the successful bidder.
e) BECIL will review the technical proposal to determine whether the technical proposals are as per the requirements laid down. Proposals that are not in accordance with these requirements are liable to be disqualified at BECIL discretion.
f) Evaluation of proposals shall be based on:

i. Information contained in the proposal, the documents submitted there to and clarifications provided, if any.
ii. Experience and Assessment of the capability of the bidder based on past record

g) BECIL reserves the right to seek any clarifications on the already submitted bid documents.
h) Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required, the same should be obtained before submission of the proposals.
i) Even though bidders satisfy the necessary requirements they are subject to disqualification if they have:

- Made untrue or false representation in the form, statements required in the RFP document.
- Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

12. NOTIFICATION OF SELECTION:

BECIL shall notify the successful Bidder in writing by a Letter of Intent that its bid response has been accepted. The Bidder shall acknowledge in writing, receipt of the notification of selection and shall send his acceptance within seven (7) days of receiving the notification.

Failure to abide by this, may lead to termination of the selection.

13. DISQUALIFICATION:

The proposal is liable to be disqualified in the following cases or in case Bidder fails to meet the bidding requirements as indicated in this RFP:

i) Proposal not submitted in accordance with the procedure and formats prescribed in this document or treated as non-conforming proposal.
ii) During validity of the proposal, or its extended period, if any, the Bidder increases his quoted prices.
iii) Proposal is received in incomplete form.
iv) Non-submission of EMD.
v) If the Bidder provides quotation only for a part of the project.
vi) Information submitted in technical proposal is found to be misrepresented, incorrect or false, accidentally, unwittingly, or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period and if Commercial proposal is enclosed within the same envelope as technical proposal.
vii) The Bidder tries to influence the proposal evaluation process by unlawful/ corrupt/ fraudulent means at any point of time during the bid process.
viii) In case any one Bidder submits multiple proposals or if common interests are found in two or more Bidder, the Bidders are likely to be disqualified, unless additional proposals/ Bidders are withdrawn upon notice immediately.
ix) The bid security document(s) and technical proposal including entire documentation (pdf format) should not contain any information on price, pricing policy, pricing mechanism or any information indicative of the commercial aspects of the bid.
x) **Conditional bids will be disqualified.**

14. BIDDER CODE OF CONDUCT AND BUSINESS ETHICS:

BECIL is committed to its values & beliefs and business practices to ensure that companies and suppliers, who supply goods, materials, or services, will also comply with these principles.

Section-II

TECHNICAL EVALUATION AND FINANCIAL CRITERIA

1. TECHNICAL EVALUATION CRITERIA:

Sr. no.	Technical Criteria	Documents to be submitted
1	The bidder should be in existence as a Company registered in India under the provisions of the Companies Act, 1956/2013/ Proprietorship/ Limited Liability Partnership (LLP).	(a) Valid copy of certificate of incorporation and registration certificates in case of company. (b) Copy of GST registration Certificate. (c) Copy of PAN Number.
2	The bidder should have an average annual turnover of a minimum of **Rs. 59 lakhs** in the last three financial years. i.e. 2022-23, 2023-24 and 2024-25.	Financial Statements Audited for the last three financial years. ITR for the last three financial years. I.e. 2022-23, 2023-24 and 2024-25 (i.e. AY 2023-24, 2024-25 and 2025-26). GSTR 3B for the last quarter of current financial year. CA Certificate with 18-digit UDIN number.
3	The net worth of the bidder in the last three financial years i.e. 2022-23, 2023-24 and 2024-25 should be positive. The bidder should be profitable and should not be in loss in last three financial years i.e. 2022-23, 2023-24 and 2024-25.	Copy of Balance Sheet and CA Certificate with 18-digit UDIN number.
4	The bidder should have successfully completed similar works during the last 5 years (ending the last financial year), fulfilling any one of the following criteria: **A.1 Standard Criteria (Based on Individual Work Values) Single Work:** One similar completed work costing not less than 80% of the Estimated Tender Cost. OR Two Works: Two similar completed works, each costing not less than 50% of the Estimated Tender Cost. OR Three Works: Three similar completed works, each costing not less than 40% of the Estimated Tender Cost. **A.2 Cumulative Criteria (Based on Total Aggregate Value)** The bidder should have completed multiple similar works meeting both of the following conditions:	1. Copy of work order 2. Completion certificates for completed project 3. CA certificates with 18-digit UDIN number for ongoing project.

	1. The total combined value of all completed similar works must be at least 40% of the Estimated Tender Cost. 2. Out of these works, at least one single completed work must have an individual value of not less than 10% of the Estimated Tender Cost. Similar work may be defined as execution of projects in at least TWO out of the THREE categories as defined below: Category (i): Construction/renovation of classrooms or institutional infrastructure. Category (ii): Supply, installation & commissioning of solar power water treatment/filtration plants or Establishment of smart Classroom Category (iii): Development/renovation of ponds, landscaping, civil infrastructure works including WTP/STP, roads, boundary walls, etc. **Documentary Evidence** Equivalent and similar works executed under Government Departments, PSUs, Autonomous Bodies, and reputed Private Organizations shall be considered. For private organizations, supporting documents such as TDS certificates, payment records, or client certificates must be submitted to establish authenticity.	
5	The bidder must have experience of executing works under Members of Parliament Local Area Development Scheme (MPLADS) or similar Government schemes shall be preferred. However, bidders with experience in other Government/Semi-Government/PSU/Autonomous Body/Private sector projects of similar nature shall also be considered.	Copy of work order/completion certificates
6	Bidders participating in the RFP have to submit the signed Integrity Pact at the time bid submission. The bid shall be liable to be rejected in case of non-submission of signed integrity pact	Signed Pre Contract Integrity pact Format attached at Annexure-IX
7	The Bidder must not be blacklisted / debarred/ banned/ restricted for any fraudulent practices by any of its client, Central Government/ State Government/ UT/ Government/ Government Undertaking/ University/ Educational Institutions/ Government Bodies/ PSUs in India as on date of submission.	A Notarized Affidavit on Rs. 100/- stamp paper signed by the Authorized Signatory of the Bidder. Format attached at Annexure VI
8	The bidder should not be insolvent, in receivership, bankrupt or being wound up, not have had their business activities suspended and not be the subject of legal Proceedings for any of the foregoing.	CA Certificate with 18-digit UDIN number.
9	Solvency Certificate/Credit Limit Facility (Fund/ Non Fund based) Issued by Scheduled Commercial Bank minimum Rs 17 Lakhs.	Solvency certificate issued by Scheduled Commercial Bank after the issue of this RFP.
10	The bidder shall submit all requisite supporting documents, including the Manufacturer Authorization Form (MAF),	Supporting documents, including the Manufacturer Authorization

	OEM brochures, datasheets, and other relevant documents, to substantiate compliance with the technical specifications stipulated under Clause B, “Technical Specifications,” of Section III of this RFP	Form (MAF), OEM brochures, datasheets, and other relevant technical documents, clearly indicating compliance with the specified technical specifications, standards, and other requirements.
11	Consortiums are not allowed	

Section-III

SCOPE OF WORK, TECHNICAL SPECIFICATIONS AND TECHNICAL COMPLIANCE CERTIFICATE

A. SCOPE OF WORKS:

Sl. No.	Work Name
1	Construction of Smart Class Room at Sugandhya High School, between 500-700 sq. ft. including al modification instruments facilities at Sugandhya High School, Sugandhya GP under Polba-Dadpur Block, Hooghly.
2	Construction of Smart Class Room at Rajhat High School, between 500-700 sq ft. including all modification instruments facilities at Rajhat High School, Rajhat GP under Polba-Dadpur Block, Hooghly,
3	Construction of Smart Class Room at Komdhara Muthurkur High School, between 500-700 sq ft. including al modification instruments facilities at Komdhara Mathurkur High School, Sugandhya GP under Polba-Dadpur Block, Hooghly.
4	Solar Powered standalone community Iron and heavy Metals filtration Plant with NSF 372 and 61 and CSIR, BARC Certified water Purification system with cooler and Remote monitoring, control system and auto back wash facility at 47A, Manasa Bari, Khamar Para, Mithapukur More, Word No. 08, Bansberia Municipality.
5	Solar Power Standalone community iron and heavy meals filtration plant with NSF 372 and 61 and CSIR, BARC certified water purification system with cooler and remote monitoring control system and auto back wash facility in front of Chandrahati Dilip Kumar High School, Raghunathpur, Chandrahati Chinsura-Mogra Block.
6	Development of Pond and Surrounding Ares through Renovation, Beautification and infrastructure upgrade including installation of water Treatment Plant (WTP), Sewage Treatment Plant (STP), Seating Capacity, Vehicle Parking, Boundary Wall, Approach Road and Land Levelling at Imambara Sadar Hospital Campus, Ward No.20 under Hooghly-Chinsurah Municipality.
7	Construction of Smart Class Room at Goswami Malipara Girls High School between 300-500 sq. ft including all modification instruments facilities at Goswami Malipara Girls High School, at Goswami Malipara GP under Polba Dadpur Block.
8	Construction of Smart Class Room at Simlagarh Vitashin Girls High School between 300-500 sq. ft including all modification instruments facilities at Simlagarh Vitasin GP under Pandua Block
9	Construction of Smart Class Room at Jair High School between 300-500 sq. ft including all modification instruments facilities at Vill- Jair, P.O- Jair under Pandua Block.

Detailed Scope and Cost estimate is attached at **Annexure-XXIII**

B. Technical Specifications:

The submitted bid must meet the technical specifications mentioned in this RFP. Failure to meet the specifications will result in rejection of bids. The bidder has to provide compliance to technical specifications as per Technical Compliance Certificate format given in this Section.

SECTION A: TECHNICAL SPECIFICATIONS FOR WATER PURIFICATION SYSTEMS

1. OEM Certifications: The OEM/Manufacturer of the FRP vessels and filtration media must possess valid ISO 9001 (Quality Management) and ISO 14001 (Environmental Management) manufacturing certifications. An OEM Authorization Letter must be submitted.
2. Vessel Specifications: FRP Vessels must be certified under NSF/ANSI 61.
3. Storage & Output Standards: The system must include a 304/food-grade stainless steel storage tank ensuring the treated water output complies with IS:10500:2012 standards.
4. Media Specifications: Filtration Media must be certified by the Council of Scientific & Industrial Research (CSIR) and must be certified under NSF/ANSI 61 & NSF/ANSI 372.

SECTION B: TECHNICAL SPECIFICATIONS FOR SMART CLASSROOMS

1. LMS & AI Examination Platform: Installation of an LMS with an AI-driven examination platform covering administration, documentation, tracking, reporting, automation, course management, content delivery, assessment, and communication. This must include question bank management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support.
2. LMS Offline & Online Functionality:

    2.1 The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP.

    2.2 The LMS should auto-sync usage reports to a central project reporting dashboard/MIS whenever the Interactive Flat Panels connect to the internet.

    2.3 The LMS reporting dashboards must adhere to NDEAR guidelines on open architecture, allowing future integration with any central MIS, Command Control Center/Vidya Samiksha Kendra, or national MIS.

    2.4 State, district, block, and school-wise usage reports, along with level-based online dashboard access for all users.

    2.5 The MIS should work in both offline and online modes and play offline content directly on the IFP without any internet dependence.

    2.6 The LMS must have a toggle button allowing teachers and students to change the language medium between Hindi and English at any time.

    2.7 The LMS should have a Universal content search option (in online and offline mode).

    2.8 Facility to record the lecture conducted on the device. The recorded classroom must be stored on the device for future reference and sharing/tele-learning/online-classes.

    2.9 The LMS must work offline on both the Android OS pre-installed on the IFP and the Windows OS on the OPS, and be able to play content directly.

    2.10 The LMS should have a backend feature to centrally upload, manage, and update content. Future content updates should be delivered via central cloud syncing. Teachers must be enabled to add their own content, questions, and videos for local usage.

    2.11 Security Audit (OEM Obligation): The web-based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-In empanelled agency. This certificate must be submitted at the time of bid.

2.12 The LMS application must also have a testing & quality report from STQC (under MeITY, Govt of India). A valid STQC report must be submitted.

3. Digital Learning Content Specifications:

3.1 The IFPs shall be preloaded with Digital Learning Content for 1st to 12th as per NCERT/State Board - Bilingual.

3.2 Subject Coverage must include EVS, Math, Science, Physics, Chemistry, Biology, Social Sciences, Commerce, Computers, English, and Hindi.

3.3 Content should include supplementary animated video lessons with real-life situations. Audio must be human/humanlike/natural voice with a neutral accent.

3.4 Hindi medium animated content must include proper text transliteration and Hindi voiceover, instead of just a Hindi voiceover on English text.

3.5 Content must include at least 150 Interactive simulations allowing parameter changes to visualize and engage with Science and Math topics. Simulations must be in Hindi and English.

3.6 Content must include NCERT/SCERT Digital Books for easy reference.

3.7 Content must work offline and online, with periodic curriculum updates.

3.8 All digital content should be categorized class-wise and subject-wise within the LMS.

3.9 EdTech Tulna (OEM Obligation): The Digital Content OEM/Vendor must have an EdTech Tulna Evaluation Report for Digital Content Quality Benchmarking. The report for connected classrooms must be submitted.

3.10 OEM's two Tulna evaluation reports of Math and English subjects of any grade are to be submitted. Multiple OEMs are allowed but the solution must be integrated into one offline application on the Smart IFP at the time of delivery.

4. Touchscreen 4K Interactive flat panel (IFP) with Android 11 OS., Open Pluggable Specification (OPS) (i3/RAM8GB/128Gb/Windows10), Wall mount Kit for IFPS, 65" inch, HD Web Camera with Voice recording facility for IFPs, Contrast 4000:1.

5. UPS 1KVA:

SNo.	Particulars	Specifications
1	Capacity	1000VA or higher
2	Maximum Power	800 Watts
3	Form Factor	Tower
4	Output Voltage	230 VAC Nominal
5	Connector type	IEC 320, USB, Ethernet
6	Number of Outlets	4

SECTION C: TERMS AND CONDITIONS (ATC) FOR WATER PROJECTS

1. Local Support: The bidder must have an established service centre and a Registered Office in the state of West Bengal to ensure prompt after-sales service and warranty support.

2. Authorized Dealer Status: The bidder must be an authorized dealer of the filtration media, FRP vessels, and automatic multi-port valves proposed in the bid, specifically for the state of West Bengal.

3. Water Quality Testing (Performance Guarantee): Prior to the release of final payment, the bidder must get the treated water tested by an independent NABL-accredited water testing laboratory. The test report must be submitted to BECIL confirming that the treated water output strictly complies with

IS:10500:2012 drinking water standards. The bidder or OEM must own or operate through an NABL-accredited water testing laboratory.

SECTION-D: ADDITIONAL TERMS AND CONDITIONS

- No contingent expenditure is allowed under the programme.
- Sanction work will be executed by Agency as per vetted Plan & Estimate with supervision by Govt. Engineer.
- Register of Assets with MPLADS Fund have to be maintained and to be kept in the office for future Inspection, if needed
- Assets created on the land with MPLADS Fund shall be available for public use for which it was created and shall be maintained by you.
- After full completion of the work, Work Completion Report signed by the client shall be given to BECIL within 7 (Seven) days from the date of completion of the work alongwith 3 (three) copies of colour photographs with Latitude and Longitude from various angles.
- A plaque (stone / metal) carrying the inscription 'Member of Parliament Area Development Scheme Work' indicating the cost involve, the commencement, completion and inauguration date and the name of the M.P. sponsoring the project should be permanently erected at the proposed work site.
- Any escalation of the sanctioned amount shall not be entertained.

Section – IV

GENERAL TERMS AND CONDITIONS

1. RELATIONSHIP BETWEEN THE PARTIES

Nothing contained herein, shall be construed as establishing a relation of master and servant or of Agent and Principal as between the Bidder/Agency and BECIL.

2. INTELLECTUAL PROPERTY RIGHTS:

2.1. Deliverable, outputs, plans, drawings, specifications, designs, reports and other documents and software submitted by the Bidders under this RFP and subsequent to this RFP in relation with this tender shall become and remain the property of BECIL/procuring entity and subject to laws of copyright, must not be shared with third parties or reproduced, whether in whole or part, without BECIL's/ the procuring entity's prior written consent.

2.2. The Bidder shall, not later than upon termination or expiration of this Contract and/or subsequent Agreement/Contract signed with the Bidder, deliver all such documents and software to BECIL/the procuring entity, together with a detailed inventory thereof.

2.3. The Bidder shall not incorporate any materials, technology or any item or thing that involves the use of intellectual property rights or proprietary rights that the Bidder does not have the right to use or that may result in claims or suits against BECIL arising out of claims of infringement of any intellectual property rights or other proprietary rights.

2.4. The Bidder shall perform all acts necessary to obtain and continue to have all necessary licenses, approvals, consents of third parties free from any encumbrances and all necessary technology, hardware and software to enable it to perform its obligations under this Contract. If license agreements are necessary or appropriate between the Bidder and third parties for purposes of enabling, enforcing or implementing the provisions hereinabove, the Bidder shall be under an obligation to enter into such agreements at its own sole cost, expense and risk.

3. LAND AND BORDER PROVISION (FORMAT GIVEN AT ANNEXURE-XII)

The Undertaking at Annexures-XII shall be submitted by the Bidder in line with the guidelines issued vide the Office Memorandum, No. F. No. 6/18/2019 dated 23.07.2020, by the Department of Expenditure, Ministry of Finance, Govt. of India.

4. INDEMNITY (FORMAT GIVEN AT ANNEXURE-V)

4.1. The Bidder shall indemnify, save, hold harmless and defend BECIL and its officers, servants, employees and agents promptly upon demand and at its expense, from and against any and all suits, proceedings, actions, demands, losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which BECIL may become subject, insofar as such losses arise out of, in any way relate to, arise or result from:

a) Any Compensation/ claim or proceeding by any third party against BECIL arising out of any act, deed or omission by the Bidder;

b) Any breach by the Bidder of any of its obligations under this Contract or from any negligence under the Contract, including any errors or deficiencies in the performance its scope of work.

4.2. That BECIL shall have no liability whatsoever for any injury/death to the Bidder or its staff caused or suffered during the performance of it's obligations hereunder

5. CODE OF INTEGRITY (FORMAT GIVEN AT ANNEXURE-XV)

No official of BECIL or the Bidder shall act in contravention of the codes which includes Prohibition of:

a) Offering of any bribe or undue gratification in any form to BECIL or its officials, or indulging in any corrupt practices.

b) Any omission, or misrepresentation that may mislead or attempt to mislead so that a financial or other benefit may be obtained, or any necessary obligation or pre-requisite may be avoided.

c) Improper use of information provided by BECIL to the Bidder with an intent to gain an unfair advantage in the procurement process or for personal gain.

d) Any financial or business transactions between the Bidder and any official of BECIL related to tender or execution process of contract, which can affect the decision of BECIL directly or indirectly.

e) Any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.

f) Obstruction of any investigation or auditing of a procurement process.

g) Making false declaration or providing false information for participation in a tender Process or to secure a contract.

6. UNDUE INFLUENCE

7.1 The Agency/Bidder undertakes that it has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the BECIL or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favor or disfavor to any person in relation to the present Contract or any other Contract with the Government of India.

7.1 Any breach of the aforesaid undertaking by the Agency/Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Agency) or the commission of any offers by the Agency or anyone employed by him or acting on his behalf, as defined in the Bharatiya Nyaya Sanhita, erstwhile known as the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle BECIL to cancel the contract and all or any other contracts with the Agency and recover from the Agency the amount of any loss arising from such cancellation, from the present or from any other contract with BECIL.

7. UNLAWFUL/UNETHICAL PRACTICES

7.1 If the Contractor/ Bidder has engaged in corrupt, fraudulent, collusive and coercive practices or defaulted commitments under integrity.

7.2 Any intentional omission or misrepresentation in the documents submitted by the Bidder for the purpose of due diligence or for the execution of any act essential for the execution of the Project.

7.3 If the Bidder uses intimidation / threats or bring undue outside pressure on BECIL or any of its official for acceptance / performances of the deliverable/qualified work under the contract:

8. PENALTY FOR BREACH OF INTEGRITY, CONFLICT OF INTEREST AND UNDUE INFLUENCE

8.1 Forfeiture of Bank guarantee or any other bond or bid security submitted by the Bidder.

8.2 Cancellation/ termination of the Contract with the liberty to recover the accrued losses/damages by the Bidder including imposition of penal damages.

8.3 Initiation of Arbitration/ legal proceedings to recover losses or damages incurred by BECIL due to the violation of ethical practice or use of undue influence by the Agency.

9. BLACKLISTING/ DEBARMENT

9.1 The Bidder/Contractor shall be debarred/blacklisted from bidding for the contract/tender floated by BECIL for a period of two years, for violation of the code of integrity, for undue influence as well as for the breach of any other terms and conditions of the tender as per the General Financial Rules 2017 and the Guidelines for debarment of firms from bidding issued by the Department of Expenditure, Ministry of Finance no. F1/20/2018 –PPD dated 02.11.2021.

10. RISK AND COST CLAUSE

10.1. In case of persistent breach/default of the terms and conditions of the Contract and due to abnormal delay (beyond the maximum late delivery as mentioned in the Execution Schedule) in supplies, defective supplies or non-fulfillment of any of the terms and conditions of the RFP and the Work Order, BECIL may cancel the contract/Work Order in full or part thereof, and will procure supplies/equipment's or ensure the execution of work or any pending service in case of service contract from other willing vendor at the risk and cost of the Bidder.

10.2. Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:

10.3. Bidder's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to Bidder including unexecuted portion of work/ supply does not appear to be executable within balance available period.

10.4. Withdrawal from or abandonment of the work by Bidder before completion of the work as per contract.

10.5. Non completion of work/ Non-supply by the Bidder within scheduled completion/delivery period as per RFP or as extended from time to time, for the reason attributable to the Agency/ Bidder.

10.6. Termination of Contract on account of any other reason (s) attributable to Agency/ Bidder

10.7. Assignment, transfer, subletting of Contract by the Agency/Bidder without BECIL's written permission resulting in termination of Contract or part thereof by BECIL

11. PENALTIES

11.1. In the event of any penalties, deductions, disincentives, or charges levied by the Client due to poor or substandard quality of work, non-compliance with service standards, or any deficiencies related to the assigned scope of work, the same shall be recovered from the Bidder by BECIL.

11.2. The Bidder shall bear the full financial responsibility for such penalties or deductions imposed on BECIL by the Client and will not be entitled to claim any reimbursement or adjustment for the same.

12. CONFIDENTIALITY

12.1 The Bidder recognizes, accepts and agrees that disclosure of Confidential information to the Staff shall be only on a need-to-know basis and only those staff who are involved in rendering the services and need to have access would alone be informed of Confidential information.

12.2 The Bidder recognizes, accepts and agrees that all tangible and intangible information obtained or disclosed to the Bidder's and/or its staff, including all details, documents, data, business/ customer information and the BECIL 's practices and trade secrets (all of which are hereinafter collectively referred to as "confidential information") which may be communicated to the Bidder 's and/or its facility

staff may be privy under or pursuant to this Contract and/or in the course of performance of the Bidder 's obligations under this Contract shall be treated, as absolutely confidential and the Bidder irrevocably agrees and undertakes and ensures that all its facility staff shall keep the same as secret and confidential and shall not disclose the same at all in whole or part to any Person or persons (including legal entities) an any time or use nor shall allow information to be used for any purpose other than that as may be necessary for the due performance of the Bidder's obligations hereunder except when required to disclose under the due process and authority of law.

13. RIGHT TO INSPECTION

13.1 That BECIL and its field officers or its Auditors, shall have the right to carry out inspection checks and tests, and do audit of the Bidder's premises, personnel and records relating to the project in order to ensure there is no compromise on the quality of goods/services provided by the Bidder to the BECIL and its Client. The BECIL has a right to review and monitor the security practices and control procedures adopted by the Bidder. The Bidder shall produce and make available all such books, records, information, etc., related to project work for the purpose of Inspection/ audit as sand when required.

13.2 That BECIL shall have the right to review and monitor the performance of the Bidders on a continuous basis system integrator shall furnish necessary particulars, statements, etc., as desired by the BECIL in a periodical manner for the purpose of assessment of their performance.

14. TERMINATIONS

14.1 Termination of Contract by BECIL due to unsatisfactory performance

a) If the Bidder refuses or fails to execute the specified quantum of work or any separate part thereof with diligence or ensure its completion within the time specified in the RFP, or subsequent work order issued thereto, then it shall be open to BECIL at its option by written notice to the Agency/Bidder to:

b) To terminate the contract without prejudice to any other remedy available under the Contract. That a notice of cure, highlighting the deficiency or problem shall be served on the Agency /Bidder by BECIL, with an opportunity to cure the same within a period of 15 days. That on the non-resolution of deficiency, a notice of termination shall be served on the Agency/Bidder and the Contract shall be deemed terminated after a period of 15 days from the date of notice of termination.

14.2 Termination due to Breach

a) BECIL may, without prejudice to any other remedy available for the breach of contract, may terminate the contract in sub-sequence to non –resolution of deficiency after the service of a notice of cure with a window period of fifteen days. After the end of the cure period, a 15 (fifteen) days' notice shall be served on the Agency/ Bidder, and the contracts shall be deemed terminated after the end of the period of fifteen days from the date of notice of termination.

b) The following sub-clauses shall attract the provision of termination, on the occurrence of the following events -:

(i) If the Bidder has abandoned or repudiated the Contract;

(ii) If the Bidder has without valid reason failed to commence work on the project promptly;

(iii) If the Bidder has persistently failed to execute the works/express deliverable in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause;

(iv) If the Bidder defaults in proceeding with the works/job with due diligence and continues to do so after a notice in writing of fifteen (15) days from BECIL;

(v) If the Bidder has obtained the contract as a result of undue of influence or adopted unethical means/ corrupt practices.

(vi) if the information submitted/furnished by the Bidder is found to be incorrect;

14.3 Termination due to Insolvency

a) If the Agency/Bidder dissolves or become bankrupt or insolvent or cause or suffer any receiver to be appointed for its business of any assets thereof compound with his Creditors, or being a corporation commence to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a Receiver for the benefits of its Creditors any of them, then BECIL shall be at liberty :-

b) To terminate the contract forthwith upon coming to know of the happening of any such event as aforesaid by a fifteen day notice in writing to the Agency/Bidder or to give the Receiver or liquidator or other person, the option of carrying out the contract subject to its providing a guarantee upto an amount to be agreed upon by BECIL for due and faithful performance of the contract.

14.4 Termination for Convenience

BECIL can terminate the Agreement by serving a 30 day notice without assigning any cause or reason to the Bidder/ selected agency. The contract shall be deemed terminated after a period of 30 days from the date of termination notice.

15. POST TERMINTION RESPONSIBILITY

15.1. In all cases of termination herein set forth, the obligations of BECIL to pay shall be limited to the period upto the date of termination, subject to the receipt of such payment from the Client.

15.2. That any pending bills raised by the Bidder, prior to or post the termination of the Contract on account of the breach of the terms and conditions of the contract, shall be put on hold, till the time, the corresponding payment is received from the Client and any amount deducted by the Client against the bills raised by BECIL shall be consequently deducted from the bills raised by the Bidder respectively.

15.3. The Bidder shall forthwith stop any of its work then in progress, except such work as BECIL may, in writing, require to be executed at the designated site/premises.

15.4. That in the event of termination under clause 17.1 and 17.2 the whole or part of the performance security furnished by the Agency/Bidder is liable to be forfeited without prejudice to the right of BECIL to recover from the Agency/Bidder any accruing or incurred losses or damages, on account of termination of contract due to unsatisfactory performance/ delay in execution of work.

16. NOTICES

16.1. Any notice, invoice, approval, advice, report or notification in connection with this Contract shall be in writing and any notice or other written communication pursuant hereto shall be signed by the party issuing the same and shall be addressed to the BECIL or the Bidder and may be given by delivering the same by hand or sending the same-by prepaid registered mail, official e-mail or facsimile to the relevant address forth below or such other address as each Party may notify in writing to the ether Party from time to time. Any such notice given as aforesaid shall be deemed to be served or received at the time upon delivery (if delivered by hand) or upon actual receipt (if given official e-mail or facsimile) or Fifteen (15) clear days after posting (if sent by post) at the Party's principal or registered office address as set out below:

Broadcast Engineering Consultants India Limited,
C-56/ A-17, Sector-62, Noida-201307,
Uttar Pradesh., India.
Email: ved@becil.com

17. NO WAIVER

No waiver of any term, provision, or condition of this Contract, whether by conduct or otherwise, in any one or more instances, will be deemed to be or be construed as a further or continuing waiver of any such term, provision, or condition or as a waiver of any other term, provision, or condition of this Contract, unless the same is agreed upon and recorded in writing with mutual consensus of both the parties.

18. AMENDMENT:

Unless otherwise stated expressly, this Contract shall be modified only by an instrument in writing duly executed by both the parties.

19. ARBITRATION

Conciliation of Dispute

a. Any dispute(s) /difference(s)/issue(s) of any kind whatsoever between/amongst the Parties arising under/out of/in connection with this contract shall be settled mutually and amicably between the Parties, within a time span of **thirty days** from the date of invocation of dispute vide a written notice by the aggrieved party. The Aggrieved Party shall notify the other party in writing about such dispute(s)/difference(s)/issue(s) between/amongst the Parties and that such a Party wishes to refer the dispute(s)/ difference(s)/issue(s) to Conciliation. Such Notice/Invitation for Conciliation shall contain sufficient information as to the dispute(s)/ difference(s)/issue(s) to enable the other Party to be fully informed as to the nature of the dispute(s)/ difference(s)/issue(s), as well as the amount of monetary claim.

b. That in the event of reference of dispute for Conciliation, a committee comprising of two members, nominated by each party i.e. the Bidder and BECIL respectively shall try to amicably resolve/settle the dispute.

Reference of Dispute to Arbitration proceeding post conciliation

a) In the event of failure in mutual resolution of the issue, any dispute(s)/ controversy(s)/ issue(s) arising out of or in connection with the contract, including any question regarding its existence or validity shall be referred to and finally resolved by Arbitration administered by the Delhi International Arbitration Centre as per the Delhi International Arbitration Centre proceeding Rules 2023.

b) The Aggrieved party wishing to refer a dispute to Arbitration shall give a notice to the Defaulting Party specifying all the points of dispute(s) with details of corresponding the claim amount.

c) The Arbitration Proceeding shall commence within a span of **thirty days** from the date of receipt of Invocation Notice complete in all respects as mentioned above,

d) The dispute(s)/ difference(s)/controversy(s) shall be adjudicated by a single/sole Arbitrator empanelled with the Delhi International Arbitration Centre.

e) The seat of Arbitrations shall be at New Delhi and the Arbitration proceeding shall be conducted in English.

f) The award of Sole Arbitrator shall be final and binding on the parties and unless directed/awarded otherwise by the Sole Arbitrator, the cost of arbitration proceedings shall be shared equally by both the parties.

g) The provision of the Arbitration and Conciliation Act, 1996 as amended and applicable from time to time shall apply to the Arbitration proceedings under this Contract.

h) That any claim of damage(s) or losse(s) incurred by BECIL as a consequence of the invocation of the litigation/arbitration proceeding owing to the suspension or abandonment of work by the Bidder/Agency shall be reimbursed by the Bidder/Agency.

i) In the event of initiation of AMRCD proceedings between BECIL and the client, the decision / mutual settlement arrived at, on the conclusion of the proceeding between the parties, shall in turn become applicable on the selected agency/Bidder in all respects.

20. JURISDICTION

This Agreement, and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation, shall be governed by, and construed in accordance with, the laws of India. The Courts at Delhi shall have the exclusive jurisdiction to entertain any matter arising out of or in relation to this Contract.

21. FORCE MAJEURE

For the purpose of this Contract, the term “Force Majeure” shall mean an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable and not brought about by or at the instance of the Party claiming to be affected by such events and which has caused the non-performance or delay in performance ,and which makes a Party’s performance of its obligations hereunder impossible or impractical as reasonable to be considered impossible in the circumstance, inclusive of but not limited to war, riots, civil disorder, earthquake, fire, strikes, lockouts or other industrial action (except where such strikes lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent) , confiscation or nay other action by the Government Agencies.

Force Majeure shall not include (i) any event which is the caused by the negligence or intentional action of a Party or by of such Party‘s agents or employees, nor (ii) any event which a diligent party could reasonably have been expected both to take into account at the time of the acceptance of the work order under this RFP, and avoid or overcome with persistent effort in carrying out its respective obligations.

In the case of failure to perform this Agreement due to any force majeure, neither party shall be liable for such failure, and this Agreement shall be terminated automatically, if the persistence of such force majeure event continues for more than three months. In the case of failure to perform any part of this Agreement due to any force majeure, the party suffering from such force majeure may be exempted from corresponding liability to the extent of the impact of such force majeure. However, such party shall continue to perform other obligations under this Agreement which have not been affected by such force majeure.

22. SUBCONTRACTING

The Bidder shall not subcontract the entire or any portion of the work to be performed by it, without the prior written consent of BECIL.

23. EXTENSION OF TIME

It is hereby agreed that BECIL shall by mutual agreement update and extend the timeline/ milestone for the completion of work after discussion with the Client and its officials.

Any period within which Bidder is unable to complete the work or perform its obligations due to persistence of force majeure event, shall be extended for a period equal to the time during which the Bidder was unable to perform such action.

Any extension of time agreed upon mutually shall be documented in writing and signed by both the parties to be affected.

24. ASSIGNMENT:

All terms and provisions of this RFP and subsequent Contract/ Agreement / work order with the successful Bidder shall be binding on both the parties and their respective successors and permitted assigns.

Subject to clause mentioned above, the selected Agency shall not be permitted to assign its rights and obligations, under the Contract/ Agreement / work order, to any third party.

BECIL may assign or novate all or any part of the Contract/ Agreement / work order and the Agency shall be a party to such novation, to any third party contracted to provide outsourced services to BECIL or any of its nominees.

25. NON-EXCLUSIVE:

It is agreed and certified that this Contract is on a non-exclusive basis and the parties are at liberty to enter into similar Contracts with others (Provided however, the system integrator shall ensure that it is entering into Contract, with other parties shall not in any way conflict with or affect the BECIL interests, rights, remedies under this Contract or in law).

26. PERSONNEL:

The personnel assigned by the Bidder to perform the Services shall be the employees of the Bidder, and under no circumstances shall such personnel be considered employees of BECIL or its nominated agencies. The Bidder shall be responsible for the supervision and control of its personnel and for payment obligations of such personnel's compensation, including salary, withholding of income taxes and social security taxes, workers compensation, employee and disability benefits and the like and shall be responsible and accountable for all obligations of an employer according to applicable laws, rules and regulations.

The Bidder shall use its best efforts to ensure that sufficient personnel are assigned to perform the Services and those personnel have appropriate qualifications, skills and experience to perform the Services. If BECIL requests that any personnel employed by the Bidder be replaced, the substitution of such personnel shall be accomplished as per the terms of this RFP and subsequent Contract/ WO

The selected Bidder shall be responsible for the performance of all its obligations under the Contract and shall be liable for compliance with all relevant labor acts and statutory legislations.

27. COMPLIANCE WITH APPLICABLE LAW:

Each Party to the Contract/ Agreement / work order accepts that its individual conduct shall (to the extent applicable to it) always comply with all laws, rules and regulations of government and other bodies having jurisdiction over the area in which the Services are undertaken. In case of changes in such laws, rules and regulations which result in a change to the Services, shall be dealt with as an exceptional situation with the objective to realign the part getting violated under the revised laws with minimal changes to achieve the objective existent prior to the change. For avoidance of doubt, the obligations of the Parties to the Contract are subject to their respective compliance with all local, state, national, supra-national, foreign and international laws and regulations.

The Bidder shall be solely responsible for strictly following all relevant labor legislations, rules, regulation inclusive of but not limited to Contract labor regulation and abolition act, Industrial Standing order and other industrial laws, notification, amendments or additions which are made to these laws during the period of this contract. The Bidder shall have to, at his own expenses, comply with all relevant/applicable labor laws and keep the company indemnified in respect thereof.

28. SEVERABILITY:

If any provision of the Contract/ Agreement / work order, or any part thereof, shall be found by any court or administrative body of competent jurisdiction to be illegal, invalid or unenforceable; the illegality, invalidity or un-enforceability of such provision or part provision shall not affect the other provisions of the Contract/ Agreement / work order or the remainder of the provisions in question which shall remain in full force and effect. The concerned Parties shall negotiate in good faith to agree to substitute for any illegal, invalid or unenforceable provision with a valid and enforceable provision which achieves to the greatest extent possible the economic, social, legal and commercial objectives of the illegal, invalid or unenforceable provision or part provision.

29. ENTIRE CONTRACT:

The Contract/ Agreement / work order with all Appendices and Schedules appended thereto, contents and scope/ specifications of the RFP, all the corrigendum's, response to queries etc. that may be issued against this RFP and the Bidder's offer including presentation and all supporting documents shall constitute the entire Contract/ Agreement / work order between the Parties with respect to their subject matter, and as to all other representations, understandings or agreements which are not fully expressed herein, provided that nothing in this clause shall be interpreted so as to exclude any liability in respect of fraudulent misrepresentation.

30. LIQUIDATED DAMAGES

If the Bidder fails to achieve the completion of the work in accordance with the scheduled completion date as given in the Contract or the subsequent Work Order issued thereto, BECIL may without prejudice to any other right or remedy available to it as under the Contract or Law:

Recover from the Bidder liquidated damages equivalent to a sum of **0.5% of the value of the undelivered goods/services** for each week of delay beyond the scheduled date of completion or delivery or such liquidated damage, subject to a **maximum of 10% of the contract value or such liquidated damages as may be imposed by the Client,** whichever is higher (due to the failure of the Bidder to meet the contractual obligations)

The amount towards Liquidated Damages shall become leviable from the scheduled completion date or from the expiry of the extension, if any, given by BECIL without the levy of Liquidated damages.

BECIL may without prejudice to its right to effect recovery by any other method, deduct the amount of Liquidated Damages from any money belonging to the Bidder which has become due or payable (which shall also include BECIL's right to claim such amount against Bidder's Bank Guarantee)

Any such recovery of Liquidated Damages shall not in any way relieve the Bidder from any of its obligations to complete the works or from any other of its other obligation and liabilities under the Contract.

31. POWER OF ATTORNEY (FORMAT GIVEN AT ANNEXURE-XIV)

Duly filled Technical Bid with proper seal and signature of authorized person on each page of the bid submitted. The person signing the bid should be the duly authorized representative of the firm/ company whose signature should be verified and certificate of authority should be submitted. The power of attorney or authorization or any other document consisting of adequate proof of the ability of the signatory to bind the firm/ company should be annexed to the bid.

32. FORFEITURE OF EMD

The EMD deposited by the Bidder shall be forfeited in the following cases

32.1 If a Bidder withdraws or amends their tender during the validity period.

32.2 Tender changes: If a Bidder changes the terms, conditions, or prices after the opening date

32.3 Order acceptance: If a Bidder fails to accept an order after it's placed

32.4 False documents: If a bidder submits false or fabricated documents

32.5 In the case of a successful bidder, if the Bidder fails to sign the Contract or to furnish Performance Bank Guarantee within specified time.

32.6 During the bid process, if a Bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.

32.7 If a bidder indulges in any unlawful/unethical/immoral act during the process of bidding/order finalization.

The successful bidder's EMD will be discharged upon the bidder's acceptance of the LOI / SO/PO satisfactorily and submission of Performance Bank Guarantee (PBG).

33. UN-PRICED BILL OF MATERIAL

Bidder should submit the Unpriced Bill of Material (BoM) stating the Make & Model of the equipment proposed by the bidders. No Financial Cost shall be disclosed in technical bid.

34. Copy of RFP and respective corrigendum/addendum **should be duly signed and stamped by the bidder at each page as the token of acceptance of all the terms and conditions given in referred RFP.**

35. Site Visit and Due Diligence

35.1. Bidders are advised to inspect the designated sites and familiarise themselves with access, site conditions, local requirements and execution constraints before submitting their bids.

35.2. The bidder shall take due account of the multi-site nature of the project when determining its discount and execution strategy.

35.3. A failure to inspect a site shall not ordinarily entitle the contractor to additional payment or extension of time for conditions that could reasonably have been identified before bidding, subject to the contract.

36. Subcontracting

36.1. Subcontracting shall be permitted only to the extent allowed under the tender and with prior written approval where required.

36.2. The contractor shall remain fully responsible for the performance, quality, safety and statutory compliance of all subcontracted work.

36.3. The contractor shall not subcontract the entire contract without express permission under the applicable contract conditions.

37. Labour, Safety and Statutory Compliance

37.1. The contractor shall comply with applicable labour laws, wage requirements, social security provisions, safety regulations and other statutory obligations.

37.2 The contractor shall provide appropriate safety equipment and implement site safety measures for workers, occupants and the public.

37.3 The contractor shall be responsible for damage, injury or loss attributable to its acts, omissions or failure to comply with applicable safety requirements, subject to law and the contract.

37.4 The contractor shall obtain and maintain all licences, permits and registrations required for the activities undertaken.

38. Integrity, Conflict of Interest and Debarment

38.1. The bidder shall comply with the applicable Code of Integrity and procurement requirements.

38.2. Any attempt to influence the tender evaluation improperly, submit forged documents, engage in collusive bidding or make a material misrepresentation may lead to action under the applicable rules and contract.

38.3. The bidder shall disclose any actual or potential conflict of interest relevant to the procurement.

38.4. Debarment and related action shall be governed by the applicable provisions of GFR 2017, relevant amendments and the Department of Expenditure's applicable debarment instructions.

39. Force Majeure

39.1. Force majeure events shall be dealt with in accordance with the force majeure clause included in the tender and the applicable Government of India instructions.

39.2. The affected party shall provide timely notice and supporting evidence as prescribed by the contract.

40. Termination of Contract

40.1. BECIL may take action for breach, default or termination in accordance with the contract and applicable procurement rules.

40.2. Before taking action, the contractor shall be afforded such notice and opportunity to respond as required under the applicable contract and law.

40.3. Consequences of termination, including recovery of losses, invocation of security and completion of balance work, shall be governed by the relevant contractual provisions.

41. Dispute Resolution

41.1. Disputes arising out of the contract shall initially be addressed through the dispute-resolution mechanism specified in the contract.

44.2. Any adjudication, mediation or arbitration shall be conducted in accordance with the agreed contract conditions and applicable law.

44.3. The governing law and jurisdiction shall be specified in the final tender and contract documents.

42. Right to Accept or Reject Bids

45.1. BECIL reserves the right to accept or reject bids, cancel the tender or retender the work where justified under the applicable procurement rules.

45.2. Any such decision shall be made by the competent authority in accordance with the applicable procedure and supported by recorded reasons.

45.3. No bidder shall be entitled to compensation solely because its bid was not accepted or the procurement was cancelled, except as otherwise provided by law or the contract.

43. Order of Precedence

In the event of any inconsistency, the order of precedence shall be as specified in the tender and contract documents, subject to applicable law and procurement rules. The contract shall be interpreted consistently with the approved scope, technical specifications, BOQ, Letter of Award and applicable statutory requirements.

44. Acceptance of Terms

Submission of the bid shall constitute the bidder's acceptance of the tender conditions, subject to any permitted clarifications or amendments issued by BECIL before the bid-submission deadline.

SECTION V: SPECIAL TERMS AND CONDITIONS

1. Scope of Work

1.1. The selected backend vendor shall execute the work in accordance with the approved drawings, specifications, site requirements, bill of quantities and other tender documents.

1.2 The scope shall include, as applicable:

- Construction and renovation of classrooms.
- Establishment and installation of smart classroom systems.
- Installation, testing and commissioning of solar-powered water filtration systems.
- Development of ponds and associated infrastructure.
- Electrical work and other incidental activities specified in the approved scope.
- Testing, commissioning, documentation, handover and rectification of defects.

1.3. The work shall be carried out at the sites identified by BECIL/the authorised implementing authority within Hooghly District, West Bengal.

1.4. The contractor shall verify the site conditions, access, measurements and execution requirements before commencement. Any discrepancy affecting the scope or cost shall be brought to the notice of BECIL before proceeding with the affected work.

2. Approved Client Price and Discount

2.1. The approved client price/rate schedule shall form the common pricing basis for all bidders.

2.2. The schedule shall identify the applicable DSR items, approved NSI items, quantities, rates and GST treatment. The basis of the approved NSI rates shall be documented in the tender record.

2.3. The financial bid shall specify the overall percentage discount in the prescribed format.

2.4. The quoted discount shall apply to the approved client price/rate schedule as specified in the tender. The contract value shall be determined after application of the discount and in accordance with the prescribed tax treatment.

2.5. The quoted price shall be inclusive of all applicable GST and other costs, duties, levies, transportation, loading, unloading, labour, installation, testing, commissioning, insurance and incidental expenses necessary to complete the contracted scope, except for any item expressly identified otherwise in the tender.

2.6. No additional payment shall be admissible merely on the ground that the contractor underestimated its costs or that its actual expenses exceeded the amount provided for in its bid.

2.7. The contractor shall not alter the approved DSR or NSI rates or introduce additional items without prior written approval and compliance with the contractual provisions governing variations.

3. Contract Period and Completion Schedule

3.1. The work shall be completed within the period specified in the Notice Inviting Tender/Letter of Award, calculated from the date stipulated therein.

3.2. Within the prescribed period after award, the contractor shall submit a site-wise execution programme, deployment schedule and procurement plan for approval.

3.3. The contractor shall coordinate execution across all designated sites and ensure timely deployment of materials, manpower, equipment and technical personnel.

3.4. Any extension of time shall be considered only in accordance with the contract and applicable procurement rules.

4. Quality Assurance and Inspection

4.1. All materials, equipment and workmanship shall conform to the approved specifications, applicable standards, drawings and contractual requirements.

4.2. BECIL/the authorised representative may inspect the works, materials and equipment at the manufacturing premises, storage locations or project sites, as applicable.

4.3. The contractor shall carry out the prescribed tests and submit test reports, inspection records and other quality documents.

4.4. Defective materials or work shall be rectified, replaced or removed at the contractor's cost where required under the contract.

4.5. Installation and commissioning of smart classroom systems and water filtration plants shall be subject to functional testing and acceptance in accordance with the prescribed specifications.

4.6. Water filtration systems shall be tested against the water-quality and performance parameters specified in the tender. Relevant test reports shall be submitted before acceptance.

5. Delay and Liquidated Damages

5.1. The contractor shall complete the work within the approved completion period.

5.2. In the event of delay attributable to the contractor, liquidated damages may be imposed at the rate and subject to the maximum limit expressly specified in the tender and contract.

5.3. Any extension of time, waiver or levy of liquidated damages shall be dealt with under the applicable contractual provisions, after considering the reasons and supporting evidence.

6. Variations and Extra Items

6.1. The contractor shall not undertake additional, substituted or deviated work without prior written approval from the authorised competent authority, except as otherwise permitted by the contract.

6.2. Any approved variation shall be valued in accordance with the applicable contractual provisions and the approved rate basis.

6.3. No payment shall be admissible for unauthorised work or expenditure incurred without the required approval.

SECTION – VI: ANNEXURES

Annexures-I

Proposal submission letter

[On Bidder's Letter Head]

To,

The Chairman and Managing Director,
Broadcast Engineering Consultants India Limited,
56-A/17, Block-C, Sector-62, Noida-201307 (U.P.)

Subject: Submission of the Proposal for <*insert Tender Name*><*Tender No.*>

Dear Sir,

1. We, the undersigned, offer to provide services to BECIL with reference to your Tender <*insert Tender Name*> dated <*insert Tender date*> and our Proposal. We are hereby submitting our un-conditional proposal through CPP portal
2. This statement is made for the express purpose of qualifying as a Bidder for undertaking the Assignment(s) under this Tender.
3. We shall make available to BECIL any additional information it may find necessary or require to supplement or authenticate the Bid.
4. We acknowledge the right of BECIL to reject our Proposal without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
5. We certify that, we have neither failed to perform on any contract, as evidenced by imposition of a penalty or a judicial pronouncement or arbitration award, nor been expelled from any project or contract nor have had any contract terminated for breach on our part nor blacklisted nor debarred by any state/ central Government or their agencies including Central/State Level Public Enterprises.
6. We declare that:
   a. All the information and statements made in this proposal are true & correct and accept that any misinterpretation contained in it may lead to our disqualification.
   b. We confirm to each and every clause of the tender document and shall abide by all the terms and conditions of all the volumes of this tender document. We would hold the terms of our proposal valid for the number of days as stipulated in the tender document.
   c. We have examined and have no reservations to the tender Document, including any Amendment/ Addendum issued by BECIL.
   d. We do not have any conflict of interest in accordance the tender document;
   e. We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in the tender document, in respect of any tender or request for proposal issued by or any agreement entered into with BECIL or any other public sector enterprise or any government, Central or State; and
   f. We hereby certify that we have taken steps to ensure that in conformity with the provisions of tender, no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
7. We understand that you may cancel the Bidding Process at any time and that you are neither bound to accept any Proposal that you may receive nor to invite the Bidders to Bid for the Assignment, without incurring any liability to the Bidders, in accordance with the tender document.
8. We declare that we are not a member of any other firm submitting a Proposal for the assignment.
9. We certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Assignment or which relates to a grave offence that outrages the moral sense of the community.

10. We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates.
11. We further certify that no investigation by a regulatory authority is pending either against us or against our Associates or against our CEO or any of our Directors/ Managers/ employees.
12. We undertake that in case due to any change in facts or circumstances during the Bidding Process, we are attracted by the provisions of disqualification in terms of the guidelines referred to above, we shall intimate BECIL of the same immediately.
13. We hereby irrevocably waive any right which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by BECIL in connection with the selection of the Bidder, or in connection with the Bidding Process itself, in respect of the above-mentioned Assignment and the terms and implementation thereof.
14. We have studied all the tender document carefully. We understand that except to the extent as expressly set forth in the Agreement, we shall have no claim, right or title arising out of any documents or information provided to us by BECIL or in respect of any matter arising out of or concerning or relating to the Bidding Process including the award of work.
15. The amount has been quoted by us after taking into consideration all terms and conditions stated in the tender and in general required to complete the envisaged work.
16. We agree and understand that the Proposal is subject to the provisions of the tender document. In no case, we shall have any claim or right of whatsoever nature if the assignment is not awarded to us or our Proposal is not opened.
17. We agree and undertake to abide by all the terms and conditions of the tender document. In witness thereof, we submit this Proposal under and in accordance with the terms of the tender document.
18. We hereby declare that all the information and statements made in this proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.
19. We declare that we confirm to each and every clause of the Tender document and shall abide by all the terms and conditions of all the volumes of this Tender document. We would hold the terms of our proposal valid for the number of days as stipulated in the Tender document.

Yours sincerely,

(Authorized Signatory)
Signature:

Name:
Designation:
Address:

Seal:
Date:

Declaration Letter

[On Bidder's Letterhead]

DECLARATION

i. I, <*Name & Designation*> solemnly affirm that the facts stated above are correct and nothing has been withheld. If any information submitted above is found to be false or fabricated, I may be liable to be debarred from Engagement.

ii. I permit BECIL to inspect my records to ascertain the above facts.

iii. I permit BECIL to cross check the above facts from any other source.

iv. I or my authorized representative, if required by BECIL, would make a presentation before the duly constituted Committee at my own cost.

v. I will abide by the decision of BECIL regarding Engagement.

vi. I have read & understood the Tender document and agree to all the terms & conditions stated therein.

vii. <*Name of Bidder*> does not have a conflict of interest in the procurement in question as specified in the bidding documents.

viii. <*Name of Bidder*> comply with the code of integrity as specified in the bidding document.

(Authorized Signatory)
Signature:

Name:
Designation:
Address:

Seal:
Date:

Acceptance Letter

[On Bidder's Letter Head]

To,

The Chairman and Managing Director,
Broadcast Engineering Consultants India Limited,
56-A/17, Block-C, Sector -62, Noida -201307 (U.P.)

Subject: Acceptance of Tender Terms & Conditions of <Tender No.>

Dear Sir,

1. I/We hereby certify that I/We have understood and clarified the entire terms and conditions of the Tender documents, and I/We shall abide by the conditions/clauses contained therein.

2. **I/We hereby unconditionally accept the Tender conditions of Tender document, for <*insert Tender Name*>, in its entirety for the above work.**

3. The contents of clauses of the Tender documents have been noted wherein it is clarified that after unconditionally accepting the Tender conditions in its entirety, it is not permissible to put any remarks/ conditions in the Tender and the same has been followed in the present case. In case, the provisions of the Tender are found violated after opening the proposal. I / We agree that the Tender shall be rejected and BECIL shall without prejudice to say other right or remedy be at liberty to forfeit the said earnest money absolutely,

4. 'That, I/We declare that I/We have not paid and will not pay any bribe to any officer of BECIL for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of BECIL asks for bribe/ gratification, I/ We will immediately report it to the Appropriate Authority'.

Yours sincerely,

(Authorized Signatory)
Signature:

Name:
Designation:
Address:

Seal:
Date:

Profile of the Bidder

Bidder need to fill in the details (with supporting documents attached).

1.	Name of Bidder	
2.	Type of firm	*[Please submit the copy of Relevant Certificate/ Document recognised by Government of India for the bidder's firm]*
3.	Address of correspondence	
4.	Year of establishment	
5.	Permanent Account Number (PAN) of the Bidder	*[Please submit the copy of PAN]*
6.	GSTN Registration No. of the Bidder	*[Please submit the copy of GSTN]*
7.	MSME or equivalent Registration No. of the Bidder, if applicable	*[Please submit the copy of relevant valid certificate]*
8.	EPF Registration Certificate, if applicable	*[Please submit the copy of certificate]*
9.	ESIC Registration Certificate, if applicable	*[Please submit the copy of certificate]*
10.	Status of Income Tax Return of following years	*[Please submit the copy of acknowledgement of Income Tax Return]*
	FY 2021-22	
	FY 2022-23	
	FY 2023-24	
11.	Whether the firm has been blacklisted by any Central Govt. / State Govt./PSU/ Govt. Bodies / Autonomous? If yes, details thereof.	
12.	Status and details of disputes/ litigation/ arbitration, if any.	
13.	Name, Designation and address of the officer to whom all references shall be made regarding this Tender	
14.	Contact details of Authorized signatory in reference to this Tender	

(Authorized Signatory)

Signature:
Name:
Designation:
Address:
Seal:
Date:

Annexures-V

Indemnity Bond

[To be executed by the Bidder on the Stamp Paper of ₹ 100/-]

1. _____ *(Name & address of the bidder)* _____ indemnify BECIL/ Client against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the supplied services/ software/ hardware/ manpower etc. and related services or any part thereof.

2. _____ *(Name & address of the bidder)* _____ indemnify BECIL/ Client from any claims that the hired manpower/ bidder's manpower may opt to have towards the discharge of their duties in the fulfillment of the contract.

3. _____ *(Name & address of the bidder)* _____ indemnify BECIL/ Client from any compensation arising out of accidental loss of life or injury sustained by the hired manpower/ bidder's manpower while discharging their duty towards fulfillment of the contract.

(Authorized Signatory)
Signature:

Witnesses:
1.
2.

Name:
Designation:
Address:

Seal:
Date:

Format for Blacklisting Undertaking

[Undertaking on a non-judicial stamp paper of ₹ 100/- certified by Notary]

UNDERTAKING

<*Name of Bidder*> has/ have not been blacklisted by any of the Central Government or State Government or any organisation under Central/ State Government or any Statutory Authority, or any Public-Sector Undertaking.

<*Name of Bidder*> has/ have not been found guilty of any criminal offence by any court of law in India or abroad.

<*Name of Bidder*>, its directors and officers have not been convicted of any criminal offence related to their professional conduct or the making of false statement or misrepresentations as to their qualifications to enter into procurement contract within a period of three years preceding the commencement of the procurement process or have not been otherwise disqualified pursuant to debarment proceedings.

Financial Strength of the Bidder

S. No.	Financial Year	Net-worth Status (Positive/ Negative)	Whether Profitable (Yes/ No)	Annual Profit Before Tax (in INR)	Overall Annual Turnover (in INR)
1	FY 2022-23				
2	FY 2023-24				
3	FY 2024-25				

(Note: Statutory Auditors certificate should be submitted along with proposal)

(Authorised Signatory)
Signature:

Name:
Designation:
Address:

Seal:
Date:

Detail of Work Experience

S. No.	Client Name	Work Order Ref. No.	Date of WO	Date of Completion	Scope of Work	Amount of Work Order	Type of documentary proof Submitted

(Authorised Signatory)
Signature:

Name:
Designation:
Address:

Seal:
Date:

Integrity Pact – Pre-Contract Integrity Pact

[To be executed by the Bidder on the Stamp Paper of ₹ 100/-]

PRE-CONTRACT INTEGRITY PACT

General:

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ___day of the month of ___2026, between, on one hand, BECIL acting through …….. (hereinafter called the "BUYER", 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 _____ (herein after called the "BIDDER" which expression shall mean and include unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BUYER proposes to procure (Name _____) and the BIDDER is willing to offer/ has offered the (State what is being offered).

WHEREAS the BIDDER is a private company/ public company/ Government undertaking/ partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Mini Ratna, Central Public Sector Enterprise of Government of India.

NOW, THEREFORE,

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

Enabling the BUYER to obtain the desired said stores/ equipment item 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 BIDDER 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 BUYER will commit to prevent corruption, in any form, by their officials by following transparent procedures.

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

2. <u>COMMITMENTS OF THE BUYER</u>

2.1 The Buyer undertakes that no official of the BUYER, 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.

2.2 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.

2.3 All the officials of the Buyer will report to Head or concerned official of BECIL or any other officer appointed by him/her for any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2.4 In case of any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is *prima facie* found to be correct by the Buyer, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER 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 Buyer the proceedings under the contract would not be stalled.

2.5 The BUYER will exclude from the process all known prejudiced persons

2.6 If the BUYER obtains information on the conduct of any of its employees which is a criminal offense under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the BUYER will inform its Vigilance Office and in addition can initiate disciplinary actions.

3. COMMITMENTS OF BIDDERS

The BIDDER commits himself 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 commits himself 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 Buyer, 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 Buyer 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 BUYER for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the BUYER.

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 BUYER that the BIDDER is the original manufacturer/integrator 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 BUYER or any of its functionaries, whether officially or unofficially to the award of 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.

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 Buyer 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 BUYER 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 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 BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

3.13 The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

3.14 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 BUYER.

4. PREVIOUS TRANSGRESSION

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 exclusion from the tender process.

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

5. EARNEST MONEY

5.1 No interest shall be payable by the BUYER to the BIDDER on Earnest Money/ Security Deposit for the period of its currency.

6. SANCTIONS FOR VIOLATION

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 BUYER to take all or anyone 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 (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER 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 BUYER 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 L1BOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

(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 BUYER, 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 BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due the BIDDER

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

(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 BUYER with the BIDDER, the same shall not be opened.

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

6.2 The BUYER 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 anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an 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 BUYER to the effect that a breach of the provisions of this Integrity Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent external monitor(s) appointed for the purposes of this Pact.

7. FALL CLAUSE

7.1 The Bidder undertakes that during the previous one year, the Bidder has not supplied/ is not supplying and/ or has not agreed to supply similar product systems or subsystems at a price lower than that offered in the present bid in respect of same location as mentioned in the present bid to any other Ministry/ Department of the Government of India or PSU.

7.2 Further the Bidder unconditionally agrees and confirms that in case it is found at any stage that during the financial year in which bid was submitted by the bidder, the bidder had supplied/ agreed to supply similar product systems or subsystems in respect of same location to any other Ministry/ Department of the Government of India or a PSU at a price lower than that mentioned in the present bid ("Lower Price"), then the Buyer by providing a written notice to the Bidder shall be at liberty to apply Lower Price to the contract and accordingly reduce the contract value. The Bidder further undertakes to refund to the Buyer the difference between payment received under the contract and the Lower Price ("Price Difference") within 15 days of receipt of the said written notice.

7.3 In case the Price Difference is not received by the Buyer from the Bidder within the period stipulated under clause 7.2, then the Buyer shall be free to recover the Price difference from any amount due and payable to the Bidder under any contract or transaction undertaken with the Buyer.

8. INDEPENDENT MONITORS

8.1 The BUYER may appoint Independent Monitors (hereinafter referred to as Monitors) for this Pact, in consultation with the Central Vigilance Commission or any other appropriate Government Agency.

8.2 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.

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

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

8.5 As soon as the Monitors notice, or have reason to believe, a violation of this Pact, he will so inform the HOD of the BUYER Corporation

8.6 The BIDDER(s) accepts that the Monitors have the right to access without restriction to all Project documentation of the BUYER including that provided by 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 Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with the confidentiality.

8.7 The BUYER 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.

8.8 The Monitors will submit a written report to the HOD of the BUYER in the Department/ within 8 to 10 weeks from the date of reference or intimation to him by the BUYER/ BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. FACILITATION OF INVESTIGATION

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its authorized agencies & other Govt. authorities 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.

10. LAW AND PLACE OF JURISDICTION

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

11. OTHER LEGAL ACTIONS

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

12. VALIDITY

12.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER, 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.

12.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The Parties hereby sign this Integrity Pact at_____ on_____

Annexures-X

MANUFACTURER'S AUTHORISATION FORM (MAF) ON OEM LETTER HEAD

To
Deputy General Manager,
Broadcast Engineering Consultants India Limited (BECIL)

Sub. : Issue of Manufacture's Authorization Form (MAF)

RFPP No.: dated:

Sir,

We, (Name and Address of the OEM)……, who are established and reputed original equipment manufacturers (OEM's) since having factories at (address(s) of manufacturing location) do hereby authorize (M/s……) who is our (Distributor/Channel Partner/Retailer/Others (please specify) to bid and conclude the contract with you against the aforementioned reference for the following hardware/software manufactured by us :- (OEM will mention the details of all the proposed product(s) with their make and model).

a) We undertake to provide OEM warranty for the offered hardware/Software as mentioned above during the warranty/maintenance period.

b) We hereby confirm that the offered hardware/software is not likely to be declared as END of Sale within next 3 years from the date of bid submission.

c) We hereby confirm that the offered hardware/software is not likely to be declared END of Service/Support within next 3 years from the date of bid submission.

d) We hereby declared that our net worth within preceding 3 years is positive (CA Certificate Attached).

e) We hereby declared that we are not black listed/debarred within preceding 3 years from any Central/States/UTs/Undertakings/Autonomous Body or any other such procuring entity.

Name
In the capacity of:
Signed
Tel: Fax: e-mail
Date
Authorized Signatory Signature of Bidder with Company Stamp

UNDERTAKING REGARDING PAYMENT OF GST/ FILING OF GST RETURN

Ref…….. Date ……

To,
Broadcast Engineering Consultants India Limited
14-B, I. P. Estate, Ring Road
New Delhi-110002

Subject: Undertaking regarding Payment of GST/ Filing of GST Return

Dear Sir,

This is in connection to the works awarded by M/s Broadcast Engineering Consultants India Limited (BECIL), we hereby undertake that we will comply with Goods and Services Tax 2017 and Various Rules Relating to GST Act, 2017(herein after referred to as GST Act and Rules) wherever we are obliged to comply with the GST Act and GST Rules.

We further hereby undertake that we will issue proper **"Tax Invoice"** and/or any other Relevant Document as required under GST Act and Rules. We will furnish appropriate GST return and pay GST as required under GST Act and Rules on timely basis and will provide GST credit on timely basis through GST Portal (and/or by any other means as provided by GST Act and Rules).

We hereby certify & undertake that we will not alter, delete or modify the invoices and other details uploaded at GST Portal unless approved by BECIL in writing.

We also hereby certify & undertake that we indemnify BECIL on account of any loss of GST input credit as well as any interest, penalty, demands or other costs, expenses suffered by BECIL because of any failure on our part to file appropriate Return on time and/or pay Tax to Government/Appropriate Authority.

In case we do not make payment the tax/interest/penalty/other expenses etc. on demand raised by Government/Tax Authorities due to default/delay on our part/action, we also authorize BECIL to forfeit/deduct from security held by BECIL, equivalent amount of interest/penalty/tax etc. for the amount so withheld.

Yours faithfully

For,

Signature of Authorized Signatory on behalf of Agency

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

Annexures-XII

LAND BORDER DECLARATION CERTIFICATE

Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144(xi) of the General Financial Rules 2017.

Tender Document No: …… Date: ……
Bidder's Name, Address & contact details: ……
Bidder's Reference No. …….. Date: …….

Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144(xi) of the General Financial Rules 2017.

I/We certify that this Bidder is not from such a country or if from such a country has been registered with the Competent authority. I hereby certify that this bidder fulfills all requirements in this regard

I/We certify that this Bidder is not from such a country or if from such a country has been registered with the competent authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of Code of integrity and would attract penalties as mentioned in this tender document, including debarment.

_____
(Signature with date)

_____
(Name and designation)

Duly authorized to sign Bid for and on behalf of

_____
(Name & address of the Bidder and Seal of Company)

Power of Attorney for signing the Bid on Rs. 100 Stamp Paper (Notarized)

KNOW ALL MEN BY THESE PRESENTS,

We, [Name of Bidder] do hereby irrevocably constitute, nominate, appoint and authorize _____, who is presently employed with us and holding the position of "_____", as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for qualification and submission of our bid for the Project "Name of Project" of "_____" (the "client") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in pre- applications and other conferences and providing information/ responses to the client, representing us in all matters before the client, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the client in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the client. The act done by_____ (Name of authorized person) will be binding on the selected bidder.

IN WITNESS WHEREOF WE, ____(Name of Bidder)____, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF Date_____.

For Name of Bidder,

_____

_____

Accepted

Witnesses:

(Notarized)

Annexure-XIV

Self-Declaration for the Code of Integrity

(To be Included in the RFP on bidder's letter head)

I/We shall maintain a high degree of integrity during the course of my/our dealings business/contractual relationship with BECIL. If it is discovered at any stage that any business/ contract was secured by playing fraud or misrepresentation or suspension of material facts, I/We authorize BECIL to term such contract as voidable at the its sole option.

Place:

Date:
Address:
Mobile:
Email ID:

Signature of Authorized Signatory on behalf of Agency

Annexure-XV

Bid Security Declaration Form

(Applicable only for MSME):

<To be submitted in company's letterhead>

To,
Broadcast Engineering Consultants India Limited (BECIL)
BECIL BHAWAN, C56 A/17 Sector62, Noida -201307 U.P.

Subject: Bid Security Declaration form for "Modification of Smart Classrooms, Installation of Solar-Based Water Filtration Systems, and Development of Pond with Associated Infrastructure at Hooghly District, West Bengal under MPLADS Scheme" vide Ref. No. …….. dated ……...

Dear Sir,

We, the undersigned, solemnly declare that:

We understand that according to the conditions of this Tender Document, the MSE OEM/System Integrator/Service provider registered with MSME/NSIC/KVIC or such Central procuring agencies/Ministries registered with DPIIT are exempted from submission of Earnest Money Deposit. Accordingly, we M/s ……..… eligible for exemption from EMD as per the Govt of India OM and Guidelines/Directives and relevant documents/certificates are attached. Accordingly, we hereby declare that:-

We unconditionally accept the conditions of this Bid Security Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender in BECIL for 2 years from the date of opening of this Bid if we breach our obligation(s) under the tender conditions if we:

1) withdraw/ amend/ impair/ derogate, in any respect, from our bid, within the Bid validity; or
2) being notified within the bid validity of the acceptance of our bid by the Procuring Entity: refused to or failed to produce the original documents for scrutiny or the required Performance Security within 15 days from the date of issue of supply order/contract.
3) Fail or refuse to sign/accept the contract.

We know that this bid-security Declaration shall expire if the contract is not awarded to us, upon:

1) receipt by us of your notification of cancellation of the entire tender process or rejection of all bids or of the name of the successful bidder or
2) forty-five days after the expiration of the bid validity or any extension to it.

Sincerely,

(Signature with date)
……..
(Name and designation)
Duly authorized to sign bid for and on behalf of…….
[name & address of Bidder and seal of company]
Dated on [insert date of signing]
Place [insert place of signing]

PERFORMANCE BANK GUARANTEE FORMAT

(On Rs 100 Non Judicial Stamp Paper)

No…… Dated:…….

To,
Broadcast Engineering Consultants India Limited,
14-B, I.P.Estate, Ring Road,
New Delhi

1. Against purchase order no. _____ dated _____ for _____ (hereinafter called the said contract) entered into between Broadcast Engineering Consultants India Ltd. (BECIL), 14-B, Ring Road, I.P. Estate, New Delhi (herewith called the Purchaser) and _____(hereinafter called the supplier), this is to certify that at the request of the supplier we _____ (hereinafter referred to as the Bank), do as primary obligor and not merely as surety, hereby irrevocably unconditionally and absolutely undertake against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser by reason of any failure of the supplier to perform or omission or negligence to perform any part of his/their obligation, viz. the performance of the contract till warranty period, to the satisfaction of the purchaser in term of the contract.

2. We _____ do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Purchaser stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Purchaser by reason of any breach by the said supplier (s) or any of the terms and conditions contained in the said contract or by reason of the supplier(s) failure or omission or negligence to perform the said contract till warranty period or any part thereof. Any such damage made on the bank shall be conclusive as regards the amount due and payable by the bank upon this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding _____

3. We undertake to pay to the Purchaser any amount so demanded by the Purchaser, notwithstanding:

a) Any dispute or difference between the Purchaser or the supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto, or

b) The invalidity, irregularity or unenforceability of the contract or

c) Any other circumstances which might otherwise constitute discharge of this guarantee including any act or omission or commission on the part of the Purchaser to enforce the obligation by the Purchaser or any other person for any reason whatsoever.

4. We _____ further agree that the Guarantee herein contained shall be contained one and remain in full force and effect during the period that would be taken for the performance of the said agreement till warranty period and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said agreement till warranty period

have been fully paid and its claims satisfied or discharged or till BECIL certifies that the terms and conditions of the said agreement till warranty period have been fully and properly carried out by the said supplier and accordingly discharge this guarantee.

5. We _____hereby agree and undertake that any claim which the bank may have against the supplier shall be subject and subordinate to the prior payment and performance in full of all the obligations of the bank hereunder and the Bank will not, without prior written consent of the Purchaser, exercise any legal rights or remedies of any kind in respect of any such payment or performance so long as the obligations of the Bank hereunder remaining owing and outstanding regardless of the insolvency liquidation or bankruptcy of the supplier or otherwise howsoever. We will not counter claim or set off against its liabilities to the Purchaser with it.

6. We _____ further agree with Purchaser that the Purchaser shall have the fullest liberty without or consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said suppliers from time to time or to postpone from any time or from time to time and of powers exercisable by the Purchaser against the said suppliers and forbearor enforce any of the terms and conditions relating to 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 suppliers or for any forbearance, act or omission on the part of the Purchaser or any indulgence by the Purchaser to the said suppliers or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the supplier

8. We _____- lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Purchaser in writing.

9. Not withstanding anything contained herein above.

i. Our liability under this guarantee shall not exceed _____)
ii. This guarantee shall be valid up to and including _____; and
iii. We are liable to pay the guaranteed amount or any part there of under this Bank Guarantee only and only if you have served upon us a written claim of demand on or before expiry of this guarantee.

Dated the…… …….. date of……..

BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT

(on Rs 100 Non Judicial Stamp Paper)

Bank Guarantee No. ----------

Ref. No. ……

To
Broadcast Engineering Consultants India Limited
14B IP Estate , Ring Road
New Delhi.

Dear Sir,

Whereas The Broadcast Engineering Consultants India Limited, New Delhi (hereinafter called the "tenderer/Purchaser') include all its successors, administrators, executors and assignees has invited bids dated …… for _____ vide Tender reference No. ……
KNOW ALL MEN by these presents that We M/s _____(hereinafter called the "Bidder") and include alt its successors, administrators executors and assignees having Head Office/ Registered office at _____ have submitted a quotation Reference No. _____ and Bidder having agree to furnish as a conditions precedent for participation in tender as unconditional and irrevocable bank guarantee of Rs _____ (Rupees _____only) for the due performance of Bidder's obligations as contained in the terms of the Notice inviting tender and other terms and conditions contained in the tender Documents supplied by the BECIL specially :

The Conditions of obligations are-

a) If the Bidder withdraws or amends, impairs or derogates from the Bid in any respect within the period of validity of this tender.

b) If the Bidder having been notified of the acceptance of his tender by the Buyer during the period of its validity.

c) If the Bidder fails to furnish the Performance Security for the due performance of the contract.

d) Fails or refuses to accept/execute the contract.

2) Therefore, we _____ (indicate the name of Bank) under the laws of _____ having head/registered office at (hereinafter referred to as the "Bank") which expression shall, unless repugnant to the context or BECIL thereof, include all its successors, administrators and executors hereby issue irrevocable and unconditional bank guarantee and undertake to pay immediately on first demand in writing Rupees all money to the extent of Rs _____ (Rupees _____ only) at any time immediately on such demand without any demur, reservations, recourse, contest or protest and/ or without any reference to the Bidder and any such demand made by the BECIL on the bank shall be conclusive and binding notwithstanding any difference between the BECIL and the Bidder or any dispute pending before any court/arbitrator or any other matter whatsoever. We also agree

to give that Guarantee herein the BECIL in writing. This guarantee shall not be determined/discharged/affected by the liquidation, winding up, dissolution or insolvency of the Bidder and will remain valid, binding and operative against the bank.

3) We _____ (Bank name) further agree that this guarantee shall not be affected by any change in our constitution, in the constitution of the BECIL or that of the Bidder. We _____Bank name) also undertake not to revoke, in any case, this Guarantee during its currency.

4) The bank agree with the BECIL that the BECIL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms of the tender or get extension of the validity period from time to time. We shall not be relieved from our liability by reason of any such variation or extension of the validity period or for any forbearance, act of omission and commission on the part of the BECIL or any indulgence shown by the BECIL to the said Bidder or by any such matter or thing whatsoever which under the law relating to sureties, would, but for this provision, have the effect of so relieving us.

5) This guarantee will remain in force upto _____ and any demand in respect thereof should reach the Bank not later than _____.

6) Not withstanding anything contained herein above.
(i) Our liability under this guarantee shall not exceed Rs. _____/- (Rupees _____ Only)

(ii) This Guarantee shall be valid up to and including _____ and

(iii) We are liable to pay the guaranteed amount or any part there of under this Bank Guarantee only and only if you have served upon us a written claim of demand on or before expiry of this guarantee i.e. _____, .

Dated the day _____(year)

MANDATE FORM

HDFC BANK
We understand your world

HDFC Bank Ltd.
Ansal Fortune Arcade, K Block,
Sector-18, Noida - 201301. (U. P.)
Phone Banking : 011-61606161

Date: 27/12/2022

Mandate Form

The detail for the facilitating the payment are given below:

A	Name of the Beneficiary	BROADCAST ENGINNEERING CONSULTANTS INDIA LIMITED
i	Address With Pin Code	BECIL Bhawan, C-56/A17, Sector -62, Noida – 201307 (U.P.)
ii	Permanent Account Number (PAN)	AAACB2575L
iii	(a) Telephone No. With STD Code	0120- 4177861
iv	(b) Fax Number	0120- 4177879
v	(c) Contact Person	Sh. Awadhesh Pandit General Manager – (Finance and Accounts)
vi	(d) E-Mail Address	panditmd@becil.com
vii	(e) Mobile No.	+91- 8130918866
B	Bank Particulars	
i	Bank Name	HDFC Bank
ii	Bank Telephone No. with STD Code	0120 - 4664332
iii	Branch Address with PIN Code	Ansals Fortune Arcade, K-Block, Sector-18, Noida-201301, Uttar Pradesh
iv	BSR Code	0510089
v	MICR	110240014
vi	SWIFT Code	HDFCINBB
vii	11 Character IFSC Code of the Bank (Either enclosed a Cancelled Cheque or obtain Bank Certificate as appended)	HDFC0000088
viii	Bank Account Number as appearing on the Cheque Book	50200076192513
ix	Bank Account Type	DOD Account
x	If Other, Specify	

Certified that the particulars furnished above are correct as per our records.

Bank Stamp with Authorized Signatory

HDFC BANK LTD. Sector-18, Noida

Annexure-XIX

Address of Consignee

Sl. No.	Address of Consignee
1	Sugandhya High School, Sugandhya GP under Polba-Dadpur Block, Hooghly.
2	Rajhat High School, Rajhat GP under Polba-Dadpur Block, Hooghly,
3	Komdhara Mathurkur High School, Sugandhya GP under Polba-Dadpur Block, Hooghly.
4	47A, Manasa Bari, Khamar Para, Mithapukur More, Word No. 08, Bansberia Municipality.
5	Chandrahati Dilip Kumar High School, Raghunathpur, Chandrahati Chinsura-Mogra Block.
6	Imambara Sadar Hospital Campus, Ward No.20 under Hooghly-Chinsurah Municipality.
7	Goswami Malipara Girls High School, at Goswami Malipara GP under Polba Dadpur Block.
8	Simlagarh Vitashin Girls High School Simlagarh Vitasin GP under Pandua Block
9	Jair High School at Vill- Jair, P.O- Jair under Pandua Block.

BOQ

BOQ OF MODIFICATION & CONSTRUCTION OF SMART CLASS AT GOSWAMI MALIPARA GIRLS HIGH SCHOOL, GOSWAMI MALIPARA, GP : GOSWAMI MALIPARA GRAM PANCHAYAT, BDO:POLBA DADPUR BLOCK, HOOGHLY-712305						
SL No		**Description of Item**	**Unit**	**Quantity**	**Rate**	**Amount**
1		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	148.000	54.65	8088.20
2		15 mm cement plaster on rough side of single or half brick wall of mix:				
		1:4 (1 cement: 4 coarse sand)	Sqm	142.320	411.75	58600.26
		12 mm cement plaster of mix :				
3		1:4 (1 cement: 4 coarse sand)	Sqm	38.680	357.35	13822.30
4		Providing and applying white cement based putty of average thickness 1 mm, of reputed brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	148.000	156.05	23095.40
		Applying priming coats with primer of reputed brand and manufacture, having low VOC (Volatile Organic Compound) content.				
5		With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	148.000	73.95	10944.60
		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of reputed brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
6		Two coats	Sqm	142.320	142.80	20323.30
7		Supplying & construction new floor Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete, to the direction of engineer-in-Charge. Size of Tile 600x600 mm	Sqm	37.01	1553.45	57493.18
8		Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :Cement mortar 1:3 (1 cement : 3 coarse sand), supplying and laying true to line and	Sqm	42.756	931.75	39837.91

		level bricks for partition wall, etc. complete including the cost of materials, labour and all other incidental charges completely true to the direction of Engineer-in-Charge.				
9		Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:1 Cement mortar 1:4 (1 cement : 4 coarse sand), supplying and laying true to line and level bricks for New wall, etc. complete including the cost of materials, labour and all other incidental charges completely true to the direction of Engineer-in-Charge.	Cum	4.032	6504.9	26227.75
		Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing direction of the Engineer in Charge but excluding the cost of painting with :				
10		12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	55.572	1355.80	75344.52

		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
11		Fixed to steel windows by welding	Kg	195.620	219.10	42860.34
		Painting with synthetic enamel paint of reputed brand and manufacture to give an even shade :				
12		Two or more coats on new work	Sqm	9.470	155.90	1476.37
13		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, E.R.W tubes.	Kg	234.900	205.75	48330.68
14		Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Nos	3.000	429.10	1287.30
		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
		For fixed portion				
15		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	33.000	495.05	16336.65
		For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
16		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	19.160	598.60	11469.18

		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	10.960	1505.25	16497.54
17		Providing and fixing 12 mm thick frameless toughened glass door shutter of reputed brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge				
		(Door handle, lock and stopper etc. to be paid separately).				
		glass door shutter of reputed brand	Sqm	1.490	5325.90	7935.59
18		Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
19		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 12mm	Sqm	3.780	1139.00	4305.42
20		Providing and fixing double action hydraulic floor spring of reputed brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with sliding plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness	Each	2.000	2966.10	5932.20
21		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	4.000	4997.70	19990.80

22		Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete. 205 X 19 mm	Each	8.000	344.30	2754.40
23		Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	Each	8.000	575.75	4606.00
		Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :				
24		100x58x1.90 mm	Each	8.000	45.00	360.00
25		Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	2.000	121.65	243.30
26		Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.000	983.15	1966.30
		Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of reputed brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately)				
27		18 mm thick	Sqm	6.270	1362.30	8541.62
		Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600				
28		Upto 10 mm depth and 10 mm width	Mtr	57.400	200.95	14950.68
		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.				
29		50 mm	Each	2.000	356.75	713.50
		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless				

		steel screws etc. complete :				
30		50x37x1.50 mm	Each	10.000	43.75	437.50
		Approved NSI				
		Supplying and Delivery good Quality reputed brand in position 4K Interactive Flat Panel along with wall mount kits :Panel Size: 65", Type/Tech: IPS Type Display Area (mm): Minimum 1482.5(H) x 803.5 (V) , Aspect Ratio: 16:9 , Native Resolution: 4K60hz , Colours: 10 bits Brightness: Minimum 450 Nits or Higher Contrast Ratio: 5000:1 (DCR) , Response Time: 8ms or Better, Orientation: Landscape Processor: Intel core i3 , RAM: 8GB DDR4 or More ,Storage: 128GB SSD, Type/ Tech: IR Recognition/ P-Cap ,Touch Point: 40 points or Higher ,HDMI In: Minimum 3 , Audio In: PC audio in (3.5 mm)*1 , RS232: x1 , Audio Out: 3.5mm x1 , SPDIF: x1 , RJ45: x2 , Type A: USB 2.0 x2, USB 3.0 x4 “SmartPort™ USB” to all channels , Eye Care Certification like Low Blue Light With Advance Feature Bubble Proof, Scratch Resistant & Flicker Free, Certifications: TUV, FCC, Energy Star 8, CEC, EMC/CE, CB, RoHS & DOC, REACH, US Section 889 Regulations , Google EDLA,WEEE, ERP-Eco, RCM and BIS .				
31			SET	1.000	95900.00	95900.00
		Supply and delivery in position Polyester & Wooden wall cabinet with sliding shutter for Interactive Flat Panel (IFP) including necessary fittings drawer and digital lock system including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge.				
32			Sqm	1.470	19020.00	27959.40
		Supplying and delivery reputed brand in position of Laptop having technical specification Standard i3/8GB/32GB , Network LAN port , Power 220V with 5G Portable Wi-Fi Doongle (Airtel / Jio etc.) connectivity fiber optics with carriage all complete.				
33			Set	1.250	29965.00	37456.25
		Supply and delivery of good quality in position of Installation of an LMS with AI-driven examination platform covering administration, documentation, tracking, reporting, automation, course management, content delivery, assessment and communication, including question bank				

		management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support. The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP. The LMS reporting dashboards must adhere to NDEAR guidelines on open architecture, so as to allow integration with any central MIS, Command Control Center/Vidya Samiksha Kendra or national MIS in the future. The State and school-wise usage reports, along with level-based online dashboard access for all users. The LMS should have a Universal content search option (in online and offline mode). web based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-in empanelled agency (CERT-in is the Indian Computer Emergency Response Team under MeitY, Govt of India). CERT-in security audit certificate for the reporting dashboards to be submitted. The LMS application must Digital Learning Content for 1st to 12th as per NCERT/State Board- Bilingual,The Digital Content OEM must have an EdTech Tulna Evaluation Report for Digital Content Qualitywith periodic updates according to curriculum revisions and additions by the NCERT and SCERT, Benchmarking and Standardization as per national standards. Content OEM's EdTech Tulna evaluation report for connected classrooms to be submitted. OEM's two Tulna evaluation reports of Math and English subjects of any grade to be submitted. Multiple OEMs are allowed but the solution should be integrated into one offline application on the Smart IFP at the time of delivery. The LMS application to be installed should also have a testing and quality report from STQC, under MeitY, Govt of India.				
34			set	1.000	73800.00	73800.00
35		Supplying and delivery reputed brand in position of Industrial Power Back up device i.e UPS of required capacity for a minimum Power Back-up upto 10 minutes (Registered	Each	1.000	29500.00	29500.00

		brand) for uninterrupted functioning of IFP.				
36		Installation charges for all equipment which includes live demonstration, training to operator with complete technical understanding of all equipment and on call technical support during working hours.	Job	1.000	24950.00	24950.00
			Total DSR Items			**5,44,772.79**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.-158/SE(TAS)/GST/2024/02-E dated:-08.08.2024)			**5,30,063.92**
			Add Cost Index @ 23% on DSR 2023 Items			**1,21,914.70**
			Total for DSR Items			**6,51,978.62**
			Total NON DSR Items			**2,89,565.65**
			Add GST @ 18% on total			**52,121.82**
			Total cost including GST			**3,41,687.47**
			Add LW Cess @1% on			**3,416.87**
			Total cost of work including GST, LW Cess			**3,45,104.34**
			Total DSr Items + Total non DSR Items			**9,97,082.96**
			Round Off			**0.04**
			Say,			**9,97,083.00**
	INWARD : Rupees Nine lakh ninety-seven thousand eighty-three rupees only.					

BOQ FOR THE CONSTRUCTION OF SMART CLASS ROOM WITH INSTRUMENTS FACILITIES AT JAIR HIGH SCHOOL (H.S), VILL- JAIR, P.O- JAIR, PANDUA BLOCK, DISTRICT HOOGHLY - 712152.						
SL No		**Description of Item**	**Unit**	**Quantity**	**Rate**	**Amount**
1		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	230.000	54.65	12569.50
2		15 mm cement plaster on rough side of single or half brick wall of mix:				
		1:4 (1 cement: 4 coarse sand)	Sqm	164.160	411.75	67592.88
		12 mm cement plaster of mix :	Sqm	97.200	357.35	34734.42
3		1:4 (1 cement: 4 coarse sand)				
4		Providing and applying white cement based putty of average thickness 1 mm, of reputed brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	230.000	156.05	35891.50
5		Applying priming coats with primer of reputed brand and manufacture, having low VOC (Volatile Organic Compound) content.				
		With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	230.000	73.95	170.09
6		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of reputed brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
		Two coats	Sqm	164.160	142.80	23442.05
7		Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of reputed brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) and the directions of engineer-in-charge. Size of Tile 600x600 mm	Sqm	76.1805	1893.9	144278.249

8		Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
		12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	68.600	1355.80	93007.88
9		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
		Fixed to steel windows by welding	Kg	259.600	219.10	56878.36
10		Painting with synthetic enamel paint of reputed brand and manufacture to give an even shade :				
		Two or more coats on new work	Sqm	8.640	155.90	1346.98

11		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, E.R.W tubes.	Kg	259.600	219.10	56878.36
12		Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Nos	4.000	429.10	1716.40
13		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
		For fixed portion				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	46.000	495.05	22772.30
14		For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	25.160	598.60	15060.78
15		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	13.960	1505.25	21013.29

16		Providing and fixing 12 mm thick frameless toughened glass door shutter of reputed brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge				
		(Door handle, lock and stopper etc. to be paid separately). 12mm	Sqm	6.320	5325.90	33659.69
		glass door shutter of reputed brand				
17		Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 12mm	Sqm	4.680	1139.00	5330.52
18		Providing and fixing double action hydraulic floor spring of reputed brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with sliding plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness.	Each	2	2966.1	5932.2
19		Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	Each	8	575.75	4606
20		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	4	4997.7	19990.8
21		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium				

		spacers, desiccants, sealant (Both primary and secondary sealant) etc.				
		. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	8.000	344.30	2754.40
22		Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :	Each	8.000	53.00	424.00
		125x65x2.12 mm				
23		Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.000	983.15	1966.30
24		Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of reputed brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately)	Sqm	7.245	1362.30	9869.86
		18 mm thick				
25		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.	Each	1.000	356.75	356.75
		50 mm				
26		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :	Each	8.000	43.75	350.00
		50x37x1.50 mm				
27		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete. 50 mm	Each	2	356.75	713.5
28		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 50x37x1.50 mm	Each	10	43.75	437.5
29		Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600,Upto 10 mm depth and 10 mm width	Meter	63.4	200.95	12740.23

		Approved NSI				
30		Supplying & laying of approved make and brand of scratch proof, flexible & homogeneous P.V.C. Vinyle flooring conforming to IS:3462 - 1982 in required finish, fixed with synthetic acrylic adhesive after preparing the floor, levelling & smothaning when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge. 2 mm thick (plain)	Sqm	51.172	310.00	15863.32
31		Supplying and Delivery good Quality reputed brand in position 4K Interactive Flat Panel along with wall mount kits :Panel Size: 65", Type/Tech: IPS Type Display Area (mm): Minimum 1482.5(H) x 803.5 (V) , Aspect Ratio: 16:9 , Native Resolution: 4K60hz , Colours: 10 bits Brightness: Minimum 450 Nits or Higher Contrast Ratio: 5000:1 (DCR) , Response Time: 8ms or Better, Orientation: Landscape Processor: Intel core i3 , RAM: 8GB DDR4 or More ,Storage: 128GB SSD, Type/ Tech: IR Recognition/ P-Cap ,Touch Point: 40 points or Higher ,HDMI In: Minimum 3 , Audio In: PC audio in (3.5 mm)*1 , RS232: x1 , Audio Out: 3.5mm x1 , SPDIF: x1 , RJ45: x2 , Type A: USB 2.0 x2, USB 3.0 x4 “SmartPort™ USB” to all channels , Eye Care Certification like Low Blue Light With Advance Feature Bubble Proof, Scratch Resistant & Flicker Free, Certifications: TUV, FCC, Energy Star 8, CEC, EMC/CE, CB, RoHS & DOC, REACH, US Section 889 Regulations, Google EDLA,WEEE, ERP-Eco, RCM and BIS .	Each	1.000	95950.00	95950.00
31		Supply fixing of Blinds Polyester & Wooden, Flame Retardant, Insulated, Waterproof, with Premium Quality for all operational windows and all Doors, including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge	Sqm	2.102	12500.00	26275.00
32		Supply and delivery of good quality reputed brand in position of Open Pluggable Specification (OPS) having standard specification i3 / RAM 8 GB / 32 GB / Windows 10, compatible with the provided IFPincluding necessary spares and accessories with carraige, loading, unloading and labour charges all complete	Set	1.000	46200.00	46200.00
33		Supply and delivery of good quality reputed brand in position of Industrial Power Back up device i.e UPS of required capacity for a minimum Power Back-up upto 30 minutes (registerd brand) for uninterrupted functioning of IFP.	Each	1.000	47063.00	47063.00

34		Supply and delivery of good quality in position of Installation of an LMS with AI-driven examination platform covering administration, documentation, tracking, reporting, automation, course management, content delivery, assessment and communication, including question bank management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support.) The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP.The LMS reporting dashboards must adhere to NDEAR guidelines on open architecture,so as to allow integration with any central MIS, Command Control Center/Vidya Samiksha Kendra or national MIS in the future.The State, district, block, and school-wise usage reports including Student wise & Subject wise performance along with level-based online dashboard access for all users And Students.The LMS should have a Universal content search option (in online and offline mode). web based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-in empanelled agency (CERT-in is the Indian Computer Emergency Response Team under MeitY, Govt of India). CERT-in security audit certificate for the reporting dashboards to be submitted. The LMS application must use Digital Learning Content for 1st to 12th as per NCERT/State Board- Bilingual,The Digital Content OEM must have an EdTech Tulna Evaluation Report for Digital Content Quality with periodic updates according to curriculum revisions and additions by the NCERT and SCERT, Benchmarking and Standardization as per national standards. Content OEM's EdTech Tulna evaluation report for connected classrooms to be submitted. OEM's two Tulna evaluation reports of Math and English subjects of any grade to be submitted. Multiple OEMs are allowed but the solution should be integrated into one offline application on the Smart IFP at the time of delivery.The LMS application to be installed should also have a testing and quality report from STQC, under MeitY, Govt of India	Set	1.000	83750.00	83750.00

35		Supply and delivery of good quality reputed listed & reputed brand in position of Computer Set , Specification with PC/Linux Users: RAM: 32GB minimum with GPU (Crucial): An NVIDIA graphics card with at least 8GB of VRAM (e.g., RTX 3060, RTX 4060), with AI Model for Artificial intelligence (AI) in the classroom to the direction of Engineer-in-Charge, with Network LAN port , Power 220V with 5G Portable Wi-Fi Doongle (Airtel / Jio etc.) conectivity fiber optics with carrige all complete.	Set	1.000	64750.00	64750.00
36		Installation charges for all equipment which includes live demonstration, training to operator with complete technical understanding of on call technical support during working hours.	Job	1.000	18500.00	18500.00
			Total DSR Items			**6,86,484.79**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.-158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)			**6,67,949.70**
			Add Cost Index @ 23% on DSR 2023 Items			**1,53,628.43**
			Total for DSR Items			**8,21,578.13**
			Total NON DSR Items			**3,98,351.32**
			Add GST @ 18% on total			**71,703.24**
			Total cost including GST			**4,70,054.56**
			Add LW Cess @1% on			**4,700.55**
			Total cost of work including GST, LW Cess			**4,74,755.11**
			Total DSr Items + Total non DSR Items			**12,96,333.24**
			Roundup			**-0.76**
				Say,		**12,96,333.00**
		Inword : Rupees Twelve lakh ninety-six thousand three hundred thirty-three only.				

BOQ OF MODIFICATION & CONSTRUCTION OF SMART CLASS AT RAJHAT HIGH SCHOOL , RAJHAT, GP : POLBA DADPUR, BDO:POLBA DADPUR BLOCK, HOOGHLY-712123						
SL No		**Description of Item**	**Unit**	**Quantity**	**Rate**	**Amount**
1		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	168.000	54.65	9181.20
2		15 mm cement plaster on rough side of single or half brick wall of mix:				
		1:4 (1 cement: 4 coarse sand)	Sqm	158.760	411.75	65369.43
		12 mm cement plaster of mix :				
3		1:4 (1 cement: 4 coarse sand)	Sqm	45.572	357.35	16285.15
4		Providing and applying white cement based putty of average thickness 1 mm, of reputed brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	168.000	156.05	26216.40
		Applying priming coats with primer of reputed brand and manufacture, having low VOC (Volatile Organic Compound) content.				
5		With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	168.000	73.95	12423.60
		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of reputed brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
6		Two coats	Sqm	158.760	142.80	22670.93
7		Supplying & construction new floor Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete, to the direction of engineer-in-Charge. Size of Tile 600x600 mm	Sqm	44.402	1553.45	68976.28
8		Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :Cement mortar 1:3 (1 cement : 3 coarse sand), supplying and laying true to line and level bricks for partition wall, etc. complete including the cost of materials, labour and all other incidental charges completely true to the direction of Engineer-in-Charge.	Sqm	50.118	931.75	46697.44
9		Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:1 Cement mortar 1:4 (1 cement : 4 coarse sand), supplying and laying true to line and level	Cum	6.64	6504.9	43192.53

		bricks for New wall, etc. complete including the cost of materials, labour and all other incidental charges completely true to the direction of Engineer-in-Charge.				
		Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing direction of the Engineer in Charge but excluding the cost of painting with :				
10		12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	55.572	1355.80	75344.52
		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
11		Fixed to steel windows by welding	Kg	226.500	219.10	49626.15
		Painting with synthetic enamel paint of reputed brand and manufacture to give an even shade :				
12		Two or more coats on new work	Sqm	9.640	155.90	1502.88
13		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, E.R.W tubes.	Kg	294.400	205.75	60572.80

14		Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Nos	3.000	429.10	1287.30
		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
		For fixed portion				
15		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	40.000	495.05	19802.00
		For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
16		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	28.160	598.60	16856.58
		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
17		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	12.960	1505.25	19508.04
		Providing and fixing 12 mm thick frameless toughened glass door shutter of reputed brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge				
		(Door handle, lock and stopper etc. to be paid separately).				

18		glass door shutter of reputed brand	Sqm	1.890	5325.90	10065.95
		Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
19		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 12mm	Sqm	4.680	1139.00	5330.52
20		Providing and fixing double action hydraulic floor spring of reputed brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with sliding plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness	Each	2.000	2966.10	5932.20
21		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	4.000	4997.70	19990.80
22		Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete. 205 X 19 mm	Each	8.000	344.30	2754.40
23		Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	Each	8.000	575.75	4606.00
		Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :				
24		100x58x1.90 mm	Each	8.000	45.00	360.00
25		Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	2.000	121.65	243.30

26		Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.000	983.15	1966.30
27		Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of reputed brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately)				
28		18 mm thick	Sqm	8.370	1362.30	11402.45
		Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600				
29		Upto 10 mm depth and 10 mm width	Meter	69.400	200.95	14950.68
		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.				
30		50 mm	Each	2.000	356.75	713.50
		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
31		50x37x1.50 mm	Each	10.000	43.75	437.50
		Approved NSI				
		Supplying and Delivery good Quality reputed brand in position 4K Interactive Flat Panel along with wall mount kits :Panel Size: 65", Type/Tech: IPS Type Display Area (mm): Minimum 1482.5(H) x 803.5 (V) , Aspect Ratio: 16:9 , Native Resolution: 4K60hz , Colours: 10 bits Brightness: Minimum 450 Nits or Higher Contrast Ratio: 5000:1 (DCR) , Response Time: 8ms or Better, Orientation: Landscape Processor: Intel core i3 , RAM: 8GB DDR4 or More ,Storage: 128GB SSD, Type/ Tech: IR Recognition/ P-Cap ,Touch Point: 40 points or Higher ,HDMI In: Minimum 3 , Audio In: PC audio in (3.5 mm)*1 , RS232: x1 , Audio Out: 3.5mm x1 , SPDIF: x1 , RJ45: x2 , Type A: USB 2.0 x2, USB 3.0 x4 “SmartPort™ USB” to all channels , Eye Care Certification like Low Blue Light With Advance Feature Bubble Proof, Scratch Resistant & Flicker Free, Certifications: TUV, FCC, Energy				

		Star 8, CEC, EMC/CE, CB, RoHS & DOC, REACH, US Section 889 Regulations , Google EDLA,WEEE, ERP-Eco, RCM and BIS .				
32			SET	1.000	95900.00	95900.00
		Supply and delivery in position Polyester & Wooden wall cabinet with sliding shutter for for Interactive Flat Panel (IFP) including necessary fittings drawer and digital lock system including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge.				
33			Sqm	2.920	19020.00	55538.40
		Supply fixing of Blinds Polyester & Wooden, Flame Retardant, Insulated, Waterproof, with Premium Quality for all operational windows and all Doors, including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge.				
34			Sqm	4.350	12500.00	54375.00
		Supplying and delivery reputed brand in position of Open Pluggable Specification (OPS) having standard specification i3 / RAM 8 GB / 128 GB / Windows 10, compatible with the provided IFPincluding necessary spares and accessories with carraige, loading, unloading and labour charges all complete				
35			Set	1.000	49965.00	49965.00
		Supply and delivery of good quality reputed brand in position Web Camera with voice recording facility for IFPs including necessary spares and accessories with carraige, loading, unloading and labour charges all complete.				
36			Set	1.000	19040.00	19040.00
		Supply and delivery of good quality in position of Installation of an LMS with AI-driven examination platform covering administration, documentation, tracking, reporting, automation, course management, content delivery, assessment and communication, including question bank management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support. The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP. The LMS reporting dashboards must adhere to NDEAR				

		guidelines on open architecture, so as to allow integration with any central MIS, Command Control Center/Vidya Samiksha Kendra or national MIS in the future. The State and school-wise usage reports, along with level-based online dashboard access for all users. The LMS should have a Universal content search option (in online and offline mode). web based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-in empanelled agency (CERT-in is the Indian Computer Emergency Response Team under MeitY, Govt of India). CERT-in security audit certificate for the reporting dashboards to be submitted. The LMS application must Digital Learning Content for 1st to 12th as per NCERT/State Board- Bilingual,The Digital Content OEM must have an EdTech Tulna Evaluation Report for Digital Content Qualitywith periodic updates according to curriculum revisions and additions by the NCERT and SCERT, Benchmarking and Standardization as per national standards. Content OEM's EdTech Tulna evaluation report for connected classrooms to be submitted. OEM's two Tulna evaluation reports of Math and English subjects of any grade to be submitted. Multiple OEMs are allowed but the solution should be integrated into one offline application on the Smart IFP at the time of delivery. The LMS application to be installed should also have a testing and quality report from STQC, under MeitY, Govt of India.				
37			set	1.000	73800.00	73800.00
38		Supplying and delivery reputed brand in position of Industrial Power Back up device i.e UPS of required capacity for a minimum Power Back-up upto 15 minutes (Registered brand) for uninterrupted functioning of IFP.	Each	1.000	24650.00	24650.00
39		Installation charges for all equipment which includes live demonstration, training to operator with complete technical understanding of all equipment and on call technical support during working hours.	Job	1.000	17600.00	17600.00
			Total DSR Items			**6,34,266.83**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.- 158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)			**6,17,141.63**
			Add Cost Index @ 23% on DSR 2023 Items			**1,41,942.57**
			Total for DSR Items			

			7,59,084.20
		Total NON DSR Items	**3,90,868.40**
		Add GST @ 18% on total	**70,356.31**
		Total cost including GST	**4,61,224.71**
		Add LW Cess @1% on	**4,612.25**
		Total cost of work including GST, LW Cess	**4,65,836.96**
		Total DSr Items + Total non DSR Items	**12,24,921.16**
		Round Off	**-0.18**
		Say,	**12,24,920.98**
	IN WORDS : Rupees Twelve lakh twenty-four thousand nine hundred twenty-one only.		

BOQ OF MODIFICATION & CONSTRUCTION OF SMART CLASS AT SUGHANDYA HIGH SCHOOL AT SUGHANDYA, Sughandya Gram Panchayat, BDO: Polba-dadpur Block, District: Hooghly-712102						
SL No		**Description of Item**	**Unit**	**Quantity**	**Rate**	**Amount**
1		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	230.000	54.65	12569.50
2		15 mm cement plaster on rough side of single or half brick wall of mix:				
		1:4 (1 cement: 4 coarse sand)	Sqm	164.160	411.75	67592.88
3		12 mm cement plaster of mix :	Sqm	97.200	357.35	34734.42
		1:4 (1 cement: 4 coarse sand)				
4		Providing and applying white cement based putty of average thickness 1 mm, of reputed brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	230.000	156.05	35891.50
5		Applying priming coats with primer of reputed brand and manufacture, having low VOC (Volatile Organic Compound) content.				
		With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	230.000	73.95	170.09
6		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of reputed brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
		Two coats	Sqm	164.160	142.80	23442.05
7		Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of reputed brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) and the directions of engineer-in-charge. Size of Tile 600x600 mm	Sqm	76.1805	1893.9	144278.249

8		Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :	Sqm	68.600	1355.80	93007.88
		12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)				
9		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
		Fixed to steel windows by welding	Kg	259.600	219.10	56878.36
10		Painting with synthetic enamel paint of				

		reputed brand and manufacture to give an even shade :				
		Two or more coats on new work	Sqm	8.640	155.90	1346.98
11		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, E.R.W tubes.	Kg	259.600	219.10	56878.36
12		Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Nos	4.000	429.10	1716.40
13		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
		For fixed portion				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	46.000	495.05	22772.30
14		For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	25.160	598.60	15060.78
15		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	13.960	1505.25	21013.29

16		Providing and fixing 12 mm thick frameless toughened glass door shutter of reputed brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge				
		(Door handle, lock and stopper etc. to be paid separately). 12mm	Sqm	6.320	5325.90	33659.69
		glass door shutter of reputed brand				
17		Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 12mm	Sqm	4.680	1139.00	5330.52
18		Providing and fixing double action hydraulic floor spring of reputed brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with sliding plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness.	Each	2	2966.1	5932.2
19		Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	Each	8	575.75	4606
20		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	4	4997.7	19990.8
21		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM				

		gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc.				
		. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	8.000	344.30	2754.40
22		Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :	Each	8.000	53.00	424.00
		125x65x2.12 mm				
23		Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.000	983.15	1966.30
24		Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of reputed brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately)	Sqm	7.245	1362.30	9869.86
		18 mm thick				
25		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.	Each	1.000	356.75	356.75
		50 mm				
26		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :	Each	8.000	43.75	350.00
		50x37x1.50 mm				
27		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete. 50 mm	Each	2	356.75	713.5
28		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 50x37x1.50 mm	Each	10	43.75	437.5
29		Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600,Upto 10 mm depth and 10 mm width	Meter	63.4	200.95	12740.23
		Approved NSI				

30		Supplying & laying of approved make and brand of scratch proof, flexible & homogeneous P.V.C. Vinyle flooring conforming to IS:3462 - 1982 in required finish, fixed with synthetic acrylic adhesive after preparing the floor, levelling & smothaning when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge. 2 mm thick (plain)	Sqm	53.572	310.00	16607.32
31		Supplying and Delivery good Quality reputed brand in position 4K Interactive Flat Panel along with wall mount kits :Panel Size: 65", Type/Tech: IPS Type Display Area (mm): Minimum 1482.5(H) x 803.5 (V) , Aspect Ratio: 16:9 , Native Resolution: 4K60hz , Colours: 10 bits Brightness: Minimum 450 Nits or Higher Contrast Ratio: 5000:1 (DCR) , Response Time: 8ms or Better, Orientation: Landscape Processor: Intel core i3 , RAM: 8GB DDR4 or More ,Storage: 128GB SSD, Type/ Tech: IR Recognition/ P-Cap ,Touch Point: 40 points or Higher ,HDMI In: Minimum 3 , Audio In: PC audio in (3.5 mm)*1 , RS232: x1 , Audio Out: 3.5mm x1 , SPDIF: x1 , RJ45: x2 , Type A: USB 2.0 x2, USB 3.0 x4 “SmartPort™ USB” to all channels , Eye Care Certification like Low Blue Light With Advance Feature Bubble Proof, Scratch Resistant & Flicker Free, Certifications: TUV, FCC, Energy Star 8, CEC, EMC/CE, CB, RoHS & DOC, REACH, US Section 889 Regulations, Google EDLA,WEEE, ERP-Eco, RCM and BIS .	Each	1.000	95950.00	95950.00
32		Supply fixing of Blinds Polyester & Wooden, Flame Retardant, Insulated, Waterproof, with Premium Quality for all operational windows and all Doors, including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge	Sqm	3.042	12500.00	38025.00
33		Supply and delivery of good quality reputed brand in position of Open Pluggable Specification (OPS) having standard specification i3 / RAM 8 GB / 32 GB / Windows 10, compatible with the provided IFPincluding necessary spares and accessories with carraige, loading, unloading and labour charges all complete	Set	1.000	46200.00	46200.00
34		Supply and delivery of good quality reputed brand in position of Industrial Power Back up device i.e UPS of required capacity for a minimum Power Back-up upto 20 minutes (reputed brand) for uninterrupted functioning of IFP.	Each	1.000	47063.00	47063.00

35		Supply and delivery of good quality in position of Installation of an LMS with AI-driven examination platform covering administration, documentation, tracking, reporting, automation, course management, content delivery, assessment and communication, including question bank management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support.) The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP.The LMS reporting dashboards must adhere to NDEAR guidelines on open architecture,so as to allow integration with any central MIS, Command Control Center/Vidya Samiksha Kendra or national MIS in the future.The State, district, block, and school-wise usage reports including Student wise & Subject wise performance along with level-based online dashboard access for all users And Students.The LMS should have a Universal content search option (in online and offline mode). web based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-in empanelled agency (CERT-in is the Indian Computer Emergency Response Team under MeitY, Govt of India). CERT-in security audit certificate for the reporting dashboards to be submitted. The LMS application must use Digital Learning Content for 1st to 12th as per NCERT/State Board- Bilingual,The Digital Content OEM must have an EdTech Tulna Evaluation Report for Digital Content Quality with periodic updates according to curriculum revisions and additions by the NCERT and SCERT, Benchmarking and Standardization as per national standards. Content OEM's EdTech Tulna evaluation report for connected classrooms to be submitted. OEM's two Tulna evaluation	Set	1.000	93800.00	93800.00

		reports of Math and English subjects of any grade to be submitted. Multiple OEMs are allowed but the solution should be integrated into one offline application on the Smart IFP at the time of delivery.The LMS application to be installed should also have a testing and quality report from STQC, under MeitY, Govt of India				
36		Installation charges for all equipment which includes live demonstration, training to operator with complete technical understanding of on call technical support during working hours.	Job	1.000	21100.00	21100.00
			Total DSR Items			**6,86,484.79**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.-158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)			**6,67,949.70**
			Add Cost Index @ 23% on DSR 2023 Items			**1,53,628.43**
			Total for DSR Items			**8,21,578.13**
			Total NON DSR Items			**3,58,745.32**
			Add GST @ 18% on total			**64,574.16**
			Total cost including GST			**4,23,319.48**
			Add LW Cess @1% on			**4,233.19**
			Total cost of work including GST, LW Cess			**4,27,552.67**
			Total DSr Items + Total non DSR Items			**12,49,130.80**
			Roundup			**0.20**
				Say,		**12,49,131.00**
		Inword : Rupees Twelve lakh forty-nine thousand one hundred thirty-one only.				

BOQ OF Construction of Smart Class Room includes all modification with instruments at SIMLAGARH VITASIN GIRLS HIGH SCHOOL at Simlagarh Vitasin GP, BDO-Pandua Block, District Hooghly- 712149.						
SL No		**Description of Item**	**Unit**	**Quantity**	**Rate**	**Amount**
1		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	230.000	54.65	12569.50
		15 mm cement plaster on rough side of single or half brick wall of mix:				
2		1:4 (1 cement: 4 coarse sand)	Sqm	164.160	411.75	67592.88
		12 mm cement plaster of mix :	Sqm	97.200	357.35	34734.42
3		1:4 (1 cement: 4 coarse sand)				
4		Providing and applying white cement based putty of average thickness 1 mm, of reputed brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	230.000	156.05	35891.50
5		Applying priming coats with primer of reputed brand and manufacture, having low VOC (Volatile Organic Compound) content.				
		With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	230.000	73.95	170.09
6		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of reputed brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
		Two coats	Sqm	164.160	142.80	23442.05
7		Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of reputed brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately) and the directions of engineer-in-charge. Size of Tile 600x600 mm	Sqm	76.1805	1893.9	144278.249

8		Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :	Sqm	68.600	1355.80	93007.88
		12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)				
9		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
		Fixed to steel windows by welding	Kg	259.600	219.10	56878.36
10		Painting with synthetic enamel paint of reputed brand and manufacture to give an even shade :				
		Two or more coats on new work	Sqm	8.640	155.90	1346.98

11		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, E.R.W tubes.	Kg	259.600	219.10	56878.36
12		Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Nos	4.000	429.10	1716.40
13		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
		For fixed portion				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	46.000	495.05	22772.30
14		For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	25.160	598.60	15060.78
15		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	13.960	1505.25	21013.29

16		Providing and fixing 12 mm thick frameless toughened glass door shutter of reputed brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge				
		(Door handle, lock and stopper etc. to be paid separately). 12mm	Sqm	6.320	5325.90	33659.69
		glass door shutter of reputed brand				
17		Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 12mm	Sqm	4.680	1139.00	5330.52
18		Providing and fixing double action hydraulic floor spring of reputed brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with sliding plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness.	Each	2	2966.1	5932.2
19		Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	Each	8	575.75	4606
20		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	4	4997.7	19990.8
21		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants,				

		sealant (Both primary and secondary sealant) etc.				
		. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	8.000	344.30	2754.40
22		Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :	Each	8.000	53.00	424.00
		125x65x2.12 mm				
23		Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.000	983.15	1966.30
24		Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of reputed brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately)	Sqm	7.245	1362.30	9869.86
		18 mm thick				
25		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.	Each	1.000	356.75	356.75
		50 mm				
26		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :	Each	8.000	43.75	350.00
		50x37x1.50 mm				
27		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete. 50 mm	Each	2	356.75	713.5
28		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 50x37x1.50 mm	Each	10	43.75	437.5
29		Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600,Upto 10 mm depth and 10 mm width	Meter	63.4	200.95	12740.23
		Approved NSI				

30		Supplying & laying of approved make and brand of scratch proof, flexible & homogeneous P.V.C. Vinyle flooring conforming to IS:3462 - 1982 in required finish, fixed with synthetic acrylic adhesive after preparing the floor, levelling & smothaning when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge. 2 mm thick (plain)	Sqm	51.172	310.00	15863.32
31		Supplying and Delivery good Quality reputed brand in position 4K Interactive Flat Panel along with wall mount kits :Panel Size: 65", Type/Tech: IPS Type Display Area (mm): Minimum 1482.5(H) x 803.5 (V) , Aspect Ratio: 16:9 , Native Resolution: 4K60hz , Colours: 10 bits Brightness: Minimum 450 Nits or Higher Contrast Ratio: 5000:1 (DCR) , Response Time: 8ms or Better, Orientation: Landscape Processor: Intel core i3 , RAM: 8GB DDR4 or More ,Storage: 128GB SSD, Type/ Tech: IR Recognition/ P-Cap ,Touch Point: 40 points or Higher ,HDMI In: Minimum 3 , Audio In: PC audio in (3.5 mm)*1 , RS232: x1 , Audio Out: 3.5mm x1 , SPDIF: x1 , RJ45: x2 , Type A: USB 2.0 x2, USB 3.0 x4 “SmartPort™ USB” to all channels , Eye Care Certification like Low Blue Light With Advance Feature Bubble Proof, Scratch Resistant & Flicker Free, Certifications: TUV, FCC, Energy Star 8, CEC, EMC/CE, CB, RoHS & DOC, REACH, US Section 889 Regulations, Google EDLA,WEEE, ERP-Eco, RCM and BIS .	Each	1.000	95950.00	95950.00
31		Supply fixing of Blinds Polyester & Wooden, Flame Retardant, Insulated, Waterproof, with Premium Quality for all operational windows and all Doors, including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge	Sqm	3.021	12500.00	37762.50
32		Supply and delivery of good quality reputed brand in position of Open Pluggable Specification (OPS) having standard specification i3 / RAM 8 GB / 32 GB / Windows 10, compatible with the provided IFPincluding necessary spares and accessories with carraige, loading, unloading and labour charges all complete	Set	1.000	46200.00	46200.00
33		Supply and delivery of good quality reputed brand in position of Industrial Power Back up device i.e UPS of required capacity for a minimum Power Back-up upto 15 minutes (registerd brand) for uninterrupted functioning of IFP.	Each	1.000	24650.00	24650.00
34		Supply and delivery of good quality in position of Installation of an LMS with AI-driven examination platform covering administration, documentation, tracking, reporting, automation, course	Set	1.000	74900.00	74900.00

		management, content delivery, assessment and communication, including question bank management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support. The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP. The LMS reporting dashboards must adhere to NDEAR guidelines on open architecture, so as to allow integration with any central MIS, Command Control Center/Vidya Samiksha Kendra or national MIS in the future. The State and school-wise usage reports, along with level-based online dashboard access for all users. The LMS should have a Universal content search option (in online and offline mode). web based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-in empanelled agency (CERT-in is the Indian Computer Emergency Response Team under MeitY, Govt of India). CERT-in security audit certificate for the reporting dashboards to be submitted. The LMS application must Digital Learning Content for 1st to 12th as per NCERT/State Board-Bilingual, The Digital Content OEM must have an EdTech Tulna Evaluation Report for Digital Content Quality with periodic updates according to curriculum revisions and additions by the NCERT and SCERT, Benchmarking and Standardization as per national standards. Content OEM's EdTech Tulna evaluation report for connected classrooms to be submitted. OEM's two Tulna evaluation reports of Math and English subjects of any grade to be submitted. Multiple OEMs are allowed but the solution should be integrated into one offline application on the Smart IFP at the time of delivery. The LMS application to be installed should also have a testing and quality report from STQC, under MeitY, Govt of India.				
35		Supply and delivery of good quality reputed listed & reputed brand in position of Computer Set , Specification with PC/Linux Users: RAM: 32GB minimum with GPU (Crucial): An NVIDIA graphics card with at least 8GB of VRAM (e.g., RTX 3060, RTX 4060), with AI Model for Artificial intelligence (AI) in the classroom to the direction of Engineer-in-	Set	1.000	64750.00	64750.00

		Charge, with Network LAN port , Power 220V with 5G Portable Wi-Fi Doongle (Airtel / Jio etc.) conectivity fiber optics with carrige all complete.				
36		Installation charges for all equipment which includes live demonstration, training to operator with complete technical understanding of on call technical support during working hours.	Job	1.000	17400.00	17400.00
			Total DSR Items			**6,86,484.79**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.- 158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)			**6,67,949.70**
			Add Cost Index @ 23% on DSR 2023 Items			**1,53,628.43**
			Total for DSR Items			**8,21,578.13**
			Total NON DSR Items			**3,77,475.82**
			Add GST @ 18% on total			**67,945.65**
			Total cost including GST			**4,45,421.47**
			Add LW Cess @1% on			**4,454.21**
			Total cost of work including GST, LW Cess			**4,49,875.68**
			Total DSr Items + Total non DSR Items			**12,71,453.81**
			Roundup			**0.19**
				Say,		**12,71,454.00**
		Inword : Rupees Twelve lakh forty-nine thousand one hundred thirty-one only.				

BOQ Of Solar powered standalone community Iron & Heavy Metals Filtration Plant at Mithapukur More, Word no. 08. Under Bansberia Municipality, Hooghly						
Solar powered standalone community Iron & Heavy Metals Filtration Plant with advanced FRP Pressure vessels & Media based (with NSF 372 & 61 & CSIR / BARC Certified) drinking water purification system capacity 2000 - 2500 LPH (with Cooler, Remote monitoring, Control system & Auto Back wash Facility & 1000 Litre capacity Stainless Steel food grade tank for product water, quality output as per IS-10500 -2012) with One year contemporary free service warranty.						
SL		**DESCRIPTION OF WORKS**	**Qty**	**Unit**	**Rate**	**Total Amount**
1		**Construction/installation of CPP unit consists of & Raw Water Arsenic concentration upto 0.1 ppm & Iron upto 8ppm)** Providing and installation of 100mmx50mm dia. tubewell with water jet system with supply and installation of all PVC pipe sand strainers of approved make (medium duty) conforming to ASTMD-1785 with all necessary accessories, specials with adapter conforming to IS:12818 of adequate length, with supply of all pipes, strainers and other materials (steel cutter piece, plug, reducer, housing clamp of M.S. Plate etc.) for fixing of Solar operated submersibile pump, including all labour & fixing cost.(Total depth up to the desired water level, strainer 6m) with carriage including loading – unloading & all necessary works required.	1	No	79,467.00	79,467.00
2		Supplying, installation and lowering in position Solar Panel based **AC (3phase) Submersible pumping machinery (preferably with stainless steel fabricated componets)** with solar cable & cable connector Kit, PV Panel, Controller, Overhead protection, Dry run protection, Auto Restart facility, Float Switch with Water Level sensors, Solenoid Valve- 01 Nos, software for start-up of motors, making necessary connections with treatment units with supplying G.I. Controller box and external electrical (on GRID) connections with necessary wiring, switch board and supplying 32mm dia. PVC column pipe 42m length, with carriage including loading – unloading & all necessary works required	1	Set	85,190.00	85,190.00
3		Supply, fitting & fixing in position of Solar Panel configuration: 2 panels of 550 Wp (any renowned brand) each Solar Panel to be installed on top of M.S. Supporting structure including carriage loading – unloading & all necessary works required	1	Set	57,100.00	57,100.00
4		Supply, fitting & fixing in position of AC and Solar Powered Submersible pump capacity 1 HP, KSB/Shrijee/Crompton or renowned brand with Controller	1	Set	31,600.00	31,600.00

5		Supply, fitting & fixing in position of Flow Meter for in/out flow control - 02 No's & Jumbo Housing with Cartridge Filter 4x20 Inch including carriage loading – unloading & all necessary works required	1	Set	9,790.00	9,790.00
6		Supplying and erecting in position for full Auto Back wash system (Flooty, Panel board etc) including carriage loading – unloading & all necessary works required	1	Set	60,350.00	60,350.00
7		Supplying and erecting in position M.S. Supporting structure with painting for supporting water tank with complete accessories and fixing aggengment including carriage loading – unloading & all necessary works required	1	Each	87,345.00	87,345.00
8		3mm M.S. chequerred plate at top platform (2mX2m), M.S. Ladder (suitably placed) with SS Product water Tank including carriage loading – unloading & all necessary works required	1	No	85,265.00	85,265.00
9		Construction of 2000 X 2000 X 750 X 750 platform around Iron/Arsenic treatment Units and MS supporting structure including Fencing and Gate with locking arrangement with including carriage loading – unloading & all necessary works required.	1	No	78,219.00	78,219.00
10		Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	Nos	26,861.90	26,861.90
11		Supply & installation of Tata Make FRP vessels (NSF-61 Certified) size - 14x65- - 3 No's with additional UV Coating for further weathring with filtration velocity of 17.86 m/hr including carriage loading – unloading & all necessary works required	3	No	15,650.00	46,950.00
12		Supply, fitting & fixing in position of Multy port Valve - 03 Nos (Automatic) including carriage loading – unloading & all necessary works required	3	No	21,500.00	64,500.00
13		Supply & filling of Water treatment unit for filtration of Iron & other hard particals i.e. Mg, H2S, Ra, Less Turbidity & Heavy Metals etc., below permissible limit as per IS:10500-2012 using imported media:	-	-	-	-
		Natural zeolite (Katalox Light) based Media for Iron filtration (CSIR & NSF Cerified) up to 8 ppm, including carriage loading – unloading & all necessary works required	84.9	Ltr	537.10	45,599.79
		Zeosorb Media with gravels & Sand for removal of the turbidity, hardness & other impurity including carriage loading – unloading & all necessary works required	90	Ltr	454.00	40,860.00

		Green Sand for pre filteration & required Gravels for all Vessel with Oxidation system (dosing pump) including carriage loading – unloading & all necessary works required	3	Bag	9,960.00	29,880.00
14		Supply and installation of 1000 LPH Solar UV Lamp with 1000 Litre capacity SS product water Tank (conical shape) for less bacteria generation in the product water, with Solar panels fixing aggengment with wind protection including carriage, loading – unloading & all necessary works required	1	Set	53,785.00	53,785.00
15		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes	87	Mt	401.55	34,934.85
16		Supplying, fitting and fixing of Remote Monitoring & Controlling System	1	Set	40,732.00	40,732.00
17		Supplying, fitting and fixing of Solar C10 Battery 200 Ah for 4 hours backup	1	Set	56,500.00	56,500.00
18		Supplying, fitting and fixing of Cooler with 80 litre storage	1	Set	54,000.00	54,000.00
19		Supplying, fitting and fixing of Solar Inverter of capacity 1000 VA 12V	1	Set	55,000.00	55,000.00
20		Supply, fitting & fixing scheme signboard with Acrylic/ACP Sheet Printing as per approved matter.	2	Set	7,750.00	15,500.00
		Total DSR Items				**61,796.75**
		Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.-158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)				**60,128.24**
		Add Cost Index @ 23% on DSR 2023 Items				**13,829.50**
		Total for DSR Items				**73,957.74**
		Total NON DSR Items				**10,77,632.79**
		Add GST @ 18% on total				**1,93,973.90**
		Total cost including GST				**12,71,606.69**
		Add LW Cess @1% on				**12,716.07**
		Total cost of work including GST, LW Cess				**12,84,322.76**
		Total DSr Items + Total non DSR Items				**13,58,280.50**
		Say,				**13,58,280.50**

BOQ OF SOLAR POWERED STANDALONE COMMUNITY IRON & HEAVY METALS FILTRATION PLANT AT RAGHUNATHPUR, CHANDRAHATI-II GP, BDO-CHINSURA-MOGRA BLOCK, TRIBENI, HOOGHLY						
Solar powered standalone community Iron & Heavy Metals Filtration Plant with advanced FRP Pressure vessels & Media based (with NSF 372 & 61 & CSIR / BARC Certified) drinking water purification system capacity 2000 - 2500 LPH (with Cooler, Remote monitoring, Control system & Auto Back wash Facility & 1000 Litre capacity Stainless Steel food grade tank for product water, quality output as per IS-10500 -2012) with One year contemporary free service warranty.						
SL		**DESCRIPTION OF WORKS**	**Qty**	**Unit**	**Rate**	**Total Amount**
1		**Construction/installation of CPP unit consists of & Raw Water Arsenic concentration upto 0.1 ppm & Iron upto 8ppm)** Providing and installation of 100mmx50mm dia. tubewell with water jet system with supply and installation of all PVC pipe sand strainers of approved make (medium duty) conforming to ASTMD-1785 with all necessary accessories, specials with adapter conforming to IS:12818 of adequate length, with supply of all pipes,strainers and other materials (steel cutter piece, plug,reducer,housing clamp of M.S.Plate etc.) for fixing of Solar operated submersibile pump, including all labour & fixing cost.(Total depth up to the desired water level, strainer 6m) with carriage including loading – unloading & all necessary works required.	1	No	79,467.00	79,467.00
2		Supplying, installation and lowering in position Solar Panel based **AC (3phase) Submersible pumping machinery (preferably with stainless steel fabricated componets)** with solar cable & cable connector Kit, PV Panel, Controller, Overhead protection, Dry run protection, Auto Restart facility, Float Switch with Water Level sensors, Solenoid Valve- 01 Nos, software for start-up of motors, making necessary connections with treatment units with supplying G.I.Controller box and external electrical (on GRID) connections with necessary wiring, switch board and supplying 32mm dia. PVC column pipe 42m length, with carriage including loading – unloading & all necessary works required	1	Set	85,190.00	85,190.00
3		Supply, fitting & fixing in position of Solar Panel configuration: 2 panels of 550 Wp (any renowned brand) each Solar Panel to be installed on top of M.S.Supporting structure including carriage loading – unloading & all necessary works required	1	Set	57,100.00	57,100.00
4		Supply, fitting & fixing in position of AC and Solar Powered Submersible pump capacity 1 HP, KSB/Shrijee/Crompton or renowned brand with Controller	1	Set	31,600.00	31,600.00
5		Supply, fitting & fixing in position of Flow Meter for in/out flow control - 02 No's & Jumbo Housing with Cartridge Filter 4x20 Inch including carriage loading – unloading & all	1	Set	9,790.00	9,790.00

		necessary works required				
6		Supplying and erecting in position for full Auto Back wash system (Flooty, Panel board etc) including carriage loading – unloading & all necessary works required	1	Set	60,350.00	60,350.00
7		Supplying and erecting in position M.S. Supporting structure with painting for supporting water tank with complete accessories and fixing aggengment including carriage loading – unloading & all necessary works required	1	Each	87,345.00	87,345.00
8		3mm M.S.chequerred plate at top platform (2mX2m), M.S. Ladder (suitably placed) with SS Product water Tank including carriage loading – unloading & all necessary works required	1	No	85,265.00	85,265.00
9		Construction of 2000 X 2000 X 750 X 750 platform around Iron/Arsenic treatment Units and MS supporting structure including Fencing and Gate with locking arrangement. with including carriage loading – unloading & all necessary works required.	1	No	78,219.00	78,219.00
10		Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	Nos	26,861.90	26,861.90
11		Supply & installation of Tata Make FRP vessels (NSF-61 Certified) size - 14x65- - 3 No's with additional UV Coating for further weathring with filtration velocity of 17.86 m/hr including carriage loading – unloading & all necessary works required	3	No	15,650.00	46,950.00
12		Supply, fitting & fixing in position of Multy port Valve - 03 Nos (Automatic) including carriage loading – unloading & all necessary works required	3	No	21,500.00	64,500.00
13		Supply & filling of Water treatment unit for filtration of Iron & other hard particals i.e. Mg, H2S, Ra,Less Turbidity & Heavy Metals etc., below permissible limit as per IS:10500-2012 using imported media:	-	-	-	-
		Natural zeolite (Katalox Light) based Media for Iron filtration (CSIR & NSF Cerified) up to 8 ppm, including carriage loading – unloading & all necessary works required	84.9	Ltr	537.10	45,599.79
		Zeosorb Media with gravels & Sand for removal of the turbidity, hardness & other impurity including carriage loading – unloading & all necessary works required	90	Ltr	454.00	40,860.00
		Green Sand for pre filteration & required Gravels for all Vessel with Oxidation system (dosing pump) including carriage loading – unloading & all necessary works required	3	Bag	9,960.00	29,880.00

14		Supply and installation of 1000 LPH Solar UV Lamp with 1000 Litre capacity SS product water Tank (conical shape) for less bacteria generation in the product water, with Solar panels fixing aggengment with wind protection including carriage, loading – unloading & all necessary works required	1	Set	53,785.00	53,785.00
15		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes	87	Mt	401.55	34,934.85
16		Supplying, fitting and fixing of Remote Monitoring & Controlling System	1	Set	40,732.00	40,732.00
17		Supplying, fitting and fixing of Solar C10 Battery 200 Ah for 4 hours backup	1	Set	56,500.00	56,500.00
18		Supplying, fitting and fixing of Cooler with 80 litre storage	1	Set	54,000.00	54,000.00
19		Supplying, fitting and fixing of Solar Inverter of capacity 1000 VA 12V	1	Set	55,000.00	55,000.00
20		Supply, fitting & fixing scheme signboard with Acrylic/ACP Sheet Printing as per approved matter.	2	Set	8,350.00	16,700.00
		Total DSR Items				**61,796.75**
		Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.- 158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)				**60,128.24**
		Add Cost Index @ 23% on DSR 2023 Items				**13,829.50**
		Total for DSR Items				**73,957.74**
		Total NON DSR Items				**10,78,832.79**
		Add GST @ 18% on total				**1,94,189.90**
		Total cost including GST				**12,73,022.69**
		Add LW Cess @1% on				**12,730.23**
		Total cost of work including GST, LW Cess				**12,85,752.92**
		Total DSr Items + Total non DSR Items				**13,59,710.66**
		Round off				**0.34**
		Say,				**13,59,711.00**

BOQ OF MODIFICATION & CONSTRUCTION OF SMART CLASS KOMDHARA MOTHUKUR HIGH SCHOOL Komdhara, Dakshin Babnan, GP: Harit Gram Panchayat, BDO: Polba-dadpur Block,Hooghly ,Pin : 712102						
SL No		**Description of Item**	**Unit**	**Quantity**	**Rate**	**Amount**
1		Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	310.000	54.65	16941.50
		15 mm cement plaster on rough side of single or half brick wall of mix:				
2		1:4 (1 cement: 4 coarse sand)	Sqm	150.760	411.75	62075.43
		12 mm cement plaster of mix :				
3		1:4 (1 cement: 4 coarse sand)	Sqm	47.690	357.35	17042.02
4		Providing and applying white cement based putty of average thickness 1 mm, of reputed brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	310.000	156.05	48375.50
		Applying priming coats with primer of reputed brand and manufacture, having low VOC (Volatile Organic Compound) content.				
5		With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	310.000	73.95	22924.50
		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of reputed brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
6		Two coats	Sqm	150.760	142.80	21528.53
7		Supplying & construction new floor Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete, to the direction of engineer-in-Charge. Size of Tile 600x600 mm	Sqm	76.856	1553.45	119391.9532

8		Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :Cement mortar 1:3 (1 cement : 3 coarse sand), supplying and laying true to line and level bricks for partition wall, etc. complete including the cost of materials, labour and all other incidental charges completely true to the direction of Engineer-in-Charge.	Sqm	55.742	931.75	51937.42215
9		Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:1 Cement mortar 1:4 (1 cement : 4 coarse sand), supplying and laying true to line and level bricks for New wall, etc. complete including the cost of materials, labour and all other incidental charges completely true to the direction of Engineer-in-Charge.	Cum	4.44	6504.9	28881.756
		Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing direction of the Engineer in Charge but excluding the cost of painting with :				
10		12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	57.690	1355.80	78216.10
		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				

11		Fixed to steel windows by welding	Kg	294.400	219.10	64503.04
		Painting with synthetic enamel paint of reputed brand and manufacture to give an even shade :				
12		Two or more coats on new work	Sqm	12.960	155.90	2020.46
		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer, E.R.W tubes.	Kg	294.400	205.75	60572.80
13		Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	Nos	4.000	429.10	1716.40
		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
		For fixed portion				
14		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	50.000	495.05	24752.50
		For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
15		Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	34.240	598.60	20496.06
		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				

16		With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	17.280	1505.25	26010.72
		Providing and fixing 12 mm thick frameless toughened glass door shutter of reputed brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge				
		(Door handle, lock and stopper etc. to be paid separately).				
17		glass door shutter of reputed brand	Sqm	1.890	5325.90	10065.95
		Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
18		Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side 12mm	Sqm	4.320	1139.00	4920.48
19		Providing and fixing double action hydraulic floor spring of reputed brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with sliding plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness	Each	2.000	2966.10	5932.20
20		Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Each	4.000	4997.70	19990.80
21		Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete. 205 X 19 mm	Each	8.000	344.30	2754.40

22		Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	Each	8.000	575.75	4606.00
		Providing and fixing ISI marked IS:1341 M.S. pressed butt hinges bright finished with necessary screws etc. complete :				
23		100x58x1.90 mm	Each	8.000	45.00	360.00
24		Supplying 'Godrej' mortice lock chromium plated with keys 6 levers including fitting & fixing complete.	Each	2.000	1954.00	3908.00
25		Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	2.000	121.65	243.30
27		Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.000	983.15	1966.30
28		Supplying, fitting and fixing Black Stone slab used in Kitchen slab, alcove, wardrobe etc. laid and jointed with necessary adhesive Cement mortar (1:2) including grinding or polishing as per direction of Engineer-in -Charge Slab Thickness 20 to 25 mm	Sqm	2.360	1543.00	3641.48
		Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of reputed brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge (Note: Fittings to be paid separately)				
29		18 mm thick	Sqm	8.370	1362.30	11402.45
30		Supplying fitting & fixing black marble block stone used in the front side of the Smart Classroom for wide visibility to the direction Students & public. embossing, laid and jointed with necessary adhesive Cement mortar (1:2) including grinding or polishing as per direction of Engineer, including the cost of materials, labour and all other incidental charges complete.	Sqm	1.265	5189.00	6564.09
		Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600				
31		Upto 10 mm depth and 10 mm width	Meter	74.400	200.95	14950.68
		Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of				

		approved quality including necessary screws etc. complete.				
32		50 mm	Each	2.000	356.75	713.50
		Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
33		50x37x1.50 mm	Each	10.000	43.75	437.50
		Supplying & laying of approved make and brand of scratch proof, flexible & homogeneous P.V.C. Vinyle flooring conforming to IS:3462 - 1982 in required finish, fixed with synthetic acrylic adhesive after preparing the floor, levelling & smothaning when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge. 2 mm thick (plain)				
34			Sqm	73.865	510.00	37671.15
		LATEX vinyle with 2mm Sunboard with carbonate Board Signage- Providing and fixing LATEX Vinyle (1.25"x0.3"x1.25") Signage with 2mm polycarbonate sheet cover of make Pioneer Polyleathers / Laxan/ PC Lite and fixing Digital Print Sunboard of make Pioneer Polyleathers / Rajshri Plastiwood/Tirlipati brand required colour with vinyl of make 3M (Vinyl-IJ1510, Lamination- IJ4156 / IJ4157) / Avery Dennison(Vinyl-MPI 3000, Lamination-DOL3100) or equivalent brand of required colour with printing of 1200 DPI 8 pass Eco Solvent on 100 GSM vinyl and mounting on 3mm Sunboard . The printed Sunboard should be laminated in 100 micron. .Including the cost of material , labour and all other incidental charges complete true to the direction of enggineer in smart class room.				
35			Each	1.000	27500.00	27500.00
		Aluminum Clipon Frame with 3mm Sunboard with clear poly carbonate sheet Signage- Providing and fixing Aluminium Clip-on Frame (1.25"x0.3"x1.25") Signage with 2mm polycarbonate sheet cover of make Pioneer Polyleathers / Laxan/ PC Lite and fixing Digital Print Sunboard of make Pioneer Polyleathers / Rajshri Plastiwood/Tirlipati brand required colour with vinyl of make 3M (Vinyl-IJ1510, Lamination- IJ4156 / IJ4157) / Avery Dennison(Vinyl-MPI 3000, Lamination-DOL3100) or equivalent brand of required colour with printing of 1200 DPI 8 pass Eco Solvent on 100 GSM vinyl and mounting on 3mm Sunboard . The printed Sunboard should be laminated in 100 micron. .Including the cost of material , labour and all other incidental charges complete true to the direction of enggineer in smart class room.				
36			Set	1.000	29500.00	29500.00

		Supplying and Delivery good Quality reputed brand in position 4K Interactive Flat Panel along with wall mount kits :Panel Size: 65", Type/Tech: IPS Type Display Area (mm): Minimum 1482.5(H) x 803.5 (V) , Aspect Ratio: 16:9 , Native Resolution: 4K60hz , Colours: 10 bits Brightness: Minimum 450 Nits or Higher Contrast Ratio: 5000:1 (DCR) , Response Time: 8ms or Better, Orientation: Landscape Processor: Intel core i3 , RAM: 8GB DDR4 or More ,Storage: 128GB SSD, Type/ Tech: IR Recognition/ P-Cap ,Touch Point: 40 points or Higher ,HDMI In: Minimum 3 , Audio In: PC audio in (3.5 mm)*1 , RS232: x1 , Audio Out: 3.5mm x1 , SPDIF: x1 , RJ45: x2 , Type A: USB 2.0 x2, USB 3.0 x4 "SmartPort™ USB" to all channels , Eye Care Certification like Low Blue Light With Advance Feature Bubble Proof, Scratch Resistant & Flicker Free, Certifications: TUV, FCC, Energy Star 8, CEC, EMC/CE, CB, RoHS & DOC, REACH, US Section 889 Regulations , Google EDLA,WEEE, ERP-Eco, RCM and BIS .				
37			SET	1.000	95900.00	95900.00
		Supply and delivery in position Polyester & Wooden wall cabinet with sliding shutter for for Interactive Flat Panel (IFP) including necessary fittings drawer and digital lock system including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge.				
38			Sqm	2.920	19020.00	55538.40
		Supply fixing of Blinds Polyester & Wooden, Flame Retardant, Insulated, Waterproof, with Premium Quality for all operational windows and all Doors, including the cost of materials, labour and all other incidental charges complete true to the direction of Engineer-in-Charge.				
39			Sqm	4.350	12500.00	54375.00
		Supplying and delivery reputed brand in position of Open Pluggable Specification (OPS) having standard specification i3 / RAM 8 GB / 128 GB / Windows 10, compatible with the provided IFPincluding necessary spares and accessories with carraige, loading, unloading and labour charges all complete				
40			Set	1.000	85965.00	85965.00
		Supply and delivery of good quality reputed brand in position HD Web Camera with voice recording facility for IFPs & Classroom Main door Security (CCTV) Camera with high-definition system including necessary spares and accessories with carraige, loading, unloading and labour charges all complete.				
41			Set	1.000	39040.00	39040.00
		Supply and delivery of good quality in position of Installation of an LMS with AI-driven examination platform covering administration, documentation,				

		tracking, reporting, automation, course management, content delivery, assessment and communication, including question bank management from school materials, automatic paper generation, secure online exams with randomized sets and anti-malpractice controls, OMR scanning and auto-scoring, computer adaptive testing, AI-assisted subjective evaluation, learning analytics, and automated results with certificates; integrated for smart classroom use with 1 year complimentary phone and web support.) The LMS application must store all Smart Class usage data offline on every hardware device (Interactive Flat Panel/OPS). The offline reports should be visible in a well-structured reports section on every IFP.The LMS reporting dashboards must adhere to NDEAR guidelines on open architecture,so as to allow integration with any central MIS, Command Control Center/Vidya Samiksha Kendra or national MIS in the future.The State, district, block, and school-wise usage reports including Student wise & Subject wise performance along with level-based online dashboard access for all users And Students.The LMS should have a Universal content search option (in online and offline mode). web based reporting dashboards of the LMS must have a valid Security Audit Certificate from a CERT-in empanelled agency (CERT-in is the Indian Computer Emergency Response Team under MeitY, Govt of India). CERT-in security audit certificate for the reporting dashboards to be submitted. The LMS application must use Digital Learning Content for 1st to 12th as per NCERT/State Board- Bilingual,The Digital Content OEM must have an EdTech Tulna Evaluation Report for Digital Content Quality with periodic updates according to curriculum revisions and additions by the NCERT and SCERT, Benchmarking and Standardization as per national standards. Content OEM's EdTech Tulna evaluation report for connected classrooms to be submitted. OEM's two Tulna evaluation reports of Math and English subjects of any grade to be submitted. Multiple OEMs are allowed but the solution should be integrated into one offline application on the Smart IFP at the time of delivery.The LMS application to be installed should also have a testing and quality report from STQC, under MeitY, Govt of India				
42			set	1.000	93800.00	93800.00
43		Supplying and delivery reputed brand in position of Industrial Power Back up device i.e UPS of required capacity for a minimum Power Back-up upto 30 minutes (Registered brand) for uninterrupted functioning of IFP.	Each	1.000	47063.00	47063.00
44		Installation charges for all equipment which includes live demonstration, training to operator with complete technical understanding of all equipment and on call	Job	1.000	23300.00	23300.00

		technical support during working hours.				
			Total DSR Items			**7,59,843.82**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.-158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)			**7,39,328.04**
			Add Cost Index @ 23% on DSR 2023 Items			**1,70,045.45**
			Total for DSR Items			**9,09,373.49**
			Total NON DSR Items			**5,89,652.55**
			Add GST @ 18% on total			**1,06,137.46**
			Total cost including GST			**6,95,790.01**
			Add LW Cess @1% on			**6,957.90**
			Total cost of work including GST, LW Cess			**7,02,747.91**
			Total DSr Items + Total non DSR Items			**16,12,121.40**
			Round Off			**-0.40**
				Say,		**16,12,121.00**
	IN WORDS : RUPEES SIXTEEN LAKH TWELVE THOUSAND ONE HUNDRED TWENTY ONE ONLY					

BOQ of Development of Pond and Surrounding Areas through Rejuvenation, Beautification And Infrastructure Upgrades including installation of Seating Capacity, Vehicle parking, Boundary Wall, Approach Road And Land levelling at Imambara Sadar Hospital Campus under Chuchura municipality, ward No.20, Hooghly, West Bengal-712101						
S. I No		**Description of Works**	**Quantity**	**Unit**	**RATE**	**AMOUNT**
1		Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.	132.00	cum	177.50	23,430.00
		All kinds of soil RCC Drain 1 x 100.00 x 1.20 x 1.1 = 132.00cum				
2		Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in foundation trenches, plinth, sides of foundation etc. complete for all lift. (a) With earth obtained from excavation of foundation. drain side 2 x 100.00 x 0.1 x .75 = 15.00 cum	15.00	%cum	7,005.21	1,050.78
3		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift. (B) Do - by fine sand Drain Bottom 1 x 100.00 x 1.2 x 0.1 = 12.00 cum paver bottom 1 x 34.00 x 1.50 x 0.15 = 7.65 cum TOTAL = 19.65 cum	19.65	cum	196.00	3,851.40
4		Over burnt (Jhama) brick aggregate 120 mm to 40 mm, Laying water bound macadam sub-base with brick aggregate and binding material, earth etc. including screening, sorting and spreading to template and consolidation with light power road-roller etc. complete. drain bottom 1 x 100.00 x 1.20 = 120.00 sqm paver bottom. 1 x 34.00 x 1.5 = 51.00sqm	171.10	cum	879.70	1,50,516.67
5		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	25.00	cum	7,132.25	1,78,306.25
		Cement mortar 1:6 (1 cement : 6 coarse sand) Pond Side Pav. 1 x 100.00 x 0.25 x 0.50 = 12.5 cum 1 x 100.00 x 0.25 x 0.50 = 12.50 cum TOTAL = 25.00cum				
6		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :	38.35	cum	8,340.85	3,19,871.60
		1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20				

		mm nominal size derived from natural sources) In Ground Floor RCC DRAIN base 1 x 100.00 x 1.0 x 0.1 = 10.00 cum rcc wall 2 x 100.00 x 0.125 x 0.75 = 18.75 cum TOTAL = 28.75 cum paver bottom 1 x 34.00 x 1.5 x 0.1 = 5.10 cum App. Road 1 x 10.00 x 3.00 x 0.15 =4.50 cum TOTAL = 9.60 cum GROSS TOTAL = 38.35 cum				
7		1 : 2\frac{1}{2} : 4 : 11 (1 ordinary portland cement : 2\frac{1}{2} fly ash : 4 coarse sand(zone-III) derived from natural sources : 11 graded stone aggregate 40 mm nominal size derived from natural sources)	15.75	cum	6,311.95	99,413.21
8		Centering and shuttering including strutting, propping etc. and removal of form for	745.175	sqm	392.15	2,92,220.38
		Foundations, footings, bases of columns, etc. for mass concrete drain 1 x 2 x 100.00 x 0.075 = 15.00 sqm 1 x 2 x 100.00 x 0.10 = 20.00 sqm 1 x 4 x 100.00 x 0.75 = 300.00 sqm 1 x 4 x 0.75 x 0.125 = 0.375 sqm paver 1 x 2 x 34.00 x 0.10 = 6.80 sqm app.road 1 x 2 x 10.00 x 0.15 = 3.00 sqm cover side = 2 x (1+1)x100=400 sqm TOTAL =745.175 sqm				
9		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	2257.000	Kg	107.85	2,43,417.45
		Thermo-Mechanically Treated bars of grade Fe-500D or more. rcc drain 28.75 x 7.85 x 1% = 2.257 M.T. TOTAL = 2.257M.T.				

10		Providing and laying roof insulation or (laying 400 G polythene sheet) with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/ cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene sheet over PUF spray and providing a wearing course of 40 mm thick cement screed 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge. Pond Side Pav. 1 x 100 x 2.50 = 250 sqm 1 x 100 x 1.50 = 150.00 sqm 1 x 90 x 0.30 = 27.00 sqm 1 x 100 x 0.30 = 30.00 sqm App. Road 2 x 10.00 x 3.00 = 60.00 sqm	250.00	sqm	1,570.00	3,92,500.00
11		Supply and installation of factory-fabricated, chamfered-edge cement concrete paver blocks suitable for footpaths, park areas, driveways, or light-traffic parking zones. The blocks must meet the specified dimensions, thickness, shape, and strength requirements. They are manufactured via a table vibratory process with polyurethane (PU) molds and must be installed according to the designated color and layout pattern over a 50 mm thick compacted sand bedding layer. The process includes compacting and securely embedding the interlocking units into the bedding using a plate vibrator, filling joint spaces with sand, trimming blocks to fit designated layout edges, and sweeping away surplus sand to achieve a finished result—all executed to the satisfaction of the Engineer-in-Charge.	51.00	sqm	1,045.65	53,328.15
		specification: 60 mm thick M-35 grade cement concrete paver blocks featuring an approved shade, design, and layout. for footpath, ramp, staircase of public				
12		(b) 80 mm thick C.C. paver block of M-35 grade with approved colour design and pattern. 1 x 60.00 x 2.50 = 150.00 sqm TOTAL = 150.00 sqm	165.00	sqm	1,091.50	1,80,097.50

13		Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	96.00	sqm	738.65	70,910.40
		Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
14		Hot finished welded type tubes	1120.00	Kg	194.40	2,17,728.00
		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
15		E.R.W tubes	335.00	Kg	205.75	68,926.25
16		Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	590.00	Kg	772.40	4,55,716.00
17		15 mm cement plaster on rough side of single or half brick wall of mix:				
		1:6 (1 cement: 6 coarse sand)	225.00	sqm	395.35	88,953.75
18		Neat cement punning.	225.00	sqm	79.95	17,988.75
19		Applying priming coat : with ready mixed red oxide	37.50	m^2	29.00	1,087.50

		zinc chromate primer of reputed brand and manufacture on steel galvanised iron/ steel works. TOTAL = 25.00 x 1.5 m=37.50 sqm				
20		Painting with synthetic enamel paint of reputed brand and manufacture to give an even shade Two or more coats on new work TOTAL = 37.50 sqm	37.50	m^2	155.90	5,846.25
21		Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid separately). TOTAL = 10 x 7.5= 75 sqm	75.00	%m^2	339.85	254.89
22		Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid separately). Holes 60 cm dia, and 60 cm deep	300.00	Each	47.85	143.55
		Supplying and Planting of different plant / trees (Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling and manuring.				
23		Providing, stacking and Displaying Furcaria variegated well developed with fresh & healthy foliage 8 to 10 leaves in 30 cm Earthen Pot/ Plastic Pot and as per direction of the officer-in-charge.	25.00	Each	222.10	5552.50
24		Providing, stacking and Displaying Furcaria Variegated hybrid well developed with fresh & healthy foliage 20 and above attractive leaves in 35 cm Cement Pot/ Plastic Pot and as per direction of the officer-in-charge.	25.00	Each	493.50	12337.50

25		Providing, stacking and Displaying Golden Bottle brush Topiary well developed with fresh & healthy foliage 5 to 6 big ball 115 cm to 180 cm ht plant in 40 cm Cement Pot/ Plastic Pot and as per direction of the officer-in-charge.	25.00	Each	1048.75	26218.75
26		Providing and stacking Juniperus prostrata with 5 to 6 lateral branches and green foliage in 20 cm size of Earthen Pot / Plastic Pot and as per direction of the officer-in-charge.	200.00	Each	33.70	6740.00
27		Providing and stacking Euphorbia milli hybrid variety, having ht. 30 cm to 45 cm with multi branch, full bloom, fresh and healthy leaves in 30 cm size of Earthen Pot / Plastic Pot and as per direction of the officer-in-charge.	100.00	Each	114.35	11435.00
28		Providing and stacking Duranta Golden, having ht. 15 cm to 20 cm bushy shape with fresh and healthy leaves in 15 cm size of Earthen Pot / Plastic Pot and as per direction of the officer-in-charge.	200.00	Each	22.85	4570.00
29		Providing and stacking of Ficus bengalensis (varigated) of height 75-90 cm., multibranched in earthen pot of size 30 cm as per direction of the officer-in-charge.	25.00	Each	69.80	1745.00
30		Providing and stacking of Bougainvillea (Variety Butiana, Lady Mary Baring, Mahara,Mohan,Scarlet Queen, Variegated, Glabra Formosa, Peruvian Odissi, Paratha, Subhra,Thimma, Spectabilis L.N Birla, Refulgence) plant of height 30 cm. to 45 cm. with 2-3 branches in 20 cm size of Earthen pot / Plastic pot as per direction of the officer-in-charge.	100.00	Each	42.15	4215.00
31		Providing and stacking of Hibiscus variegated of height 60-75 cm. with 8-10 branches and healthy variegated foliage in a cement pot of size 35 cm as per direction of the officer-in-charge.	25.00	Each	195.00	4875.00
32		Providing, stacking and Displaying Money Plant Broad Leaves mounted on moss stick 1.20 m ht., 5 to 6 plants in each pot, well developed with full of fresh & healthy leaves in size of 25 cm Earthen pot / Plastic pot and as per direction of the officer-in-charge.	25.00	Each	277.60	6940.00
33		Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered),Depth exceeding 3 m but not exceeding 4.5 m	2160.56	sqm	305.00	6,58,970.80
34		Coal tarring two coats on new work using 0.16 Litre and 0.12 litre coal tar per sqm in the first coat and second coat respectively.	1902.00	sqm	66.90	1,27,243.80

35		Excavating trenches by mechinical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil With Pipes, cables , bellies etc, exceeding 80 mm dia but not exceeding 300 mm dia.	520.00	m	352.15	1,83,118.00
36		Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achievethe desired density, complete as per specifications and directions of Engineer-in-Charge.	41.25	m^3	2,914.30	1,20,214.88
37		Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	30	Cum	10117.60	303528.00
38		Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications: Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	90.00	sqm	193.70	17433.00
39		Repair and rejuvenation of Hospital pond by dewatering standing waste water of 66.8 x 10^5 Cubic litre (approx.) including cost of all required machinery such as pumps etc. including their hire and running charges of pumps, piping & fittings and cost of fuel and lubricants and wages of pump operator/ helper etc.complete in all respect to carry out the specialized job etc. complete in all respects.	21.00	days	3904.76	81999.96
40		Providing and stacking of Nelumbo nucifera (Sacred lotus / water lily) well-developed rhizome of white, red, pink, and yellow colour of 75-90cm. as per direction of the officer-in-charge.	100.00	Each	277.35	27735.00

41		Filling empty HDPE bags/cement woven sacks with sand, earth, or local soil, including supplied cost of sand/earth, stitching or tying the bag, transporting, and stacking or placing them in position to form temporary protection layers, bunds, or embankments.	634.00	Each	146.55	92912.70
42		Supply Algecide chemical with dosing pump & dosing same for 10/12 days and rejuvenation of hospital pond by dredging / excavation /removal of silt, weeds and muck etc. from the hospital pond having water surface area of 2893.59 sqm. under saturated conditions with in all lead and lifts .	1.00	job	59450.00	59450.00
43		Supplying, fitting and fixing Water Saving Faucet Aerator of approved make and brand with flow rate of 1.5 LPM / 3 LPM / 6 LPM, including removing old nozzle/insert, testing, complete as per direction of Engineer-in-charge with 4 nos colour with all cable.	4.00	nos	16998.50	67994.00
44		Operation, running, maintenance, and watch & ward of hospital pond Water Filtration including repair, spare parts, and chemical dosing complete in all respects for a period of 12 months .	12.00	months	6540.00	78480.00
45		Providing and stacking of Plantion of local variety of trees/plant's saplings over the bund /embankment along the perimeter of the pond and over the vacant land near the pond for landscaping of the pond and to enhance the village aesthetics.	100.00	nos	337.00	33700.00
			Total DSR Items			**43,60,695.95**
		Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.-158/SE(TAS)/GST/2024/02-E dated:-08.08.2024)				**42,42,957.16**
		Add Cost Index @ 23% on DSR 2023 Items				**9,75,880.15**
			Total for DSR Items			**52,18,837.31**
			Total NON DSR Items			**4,42,271.66**
			Add GST @ 18% on total			**79,608.90**
			Total cost including GST			**5,21,880.56**
			Add LW Cess @1% on			**5,218.81**
			Total cost of work including GST, LW Cess			**5,27,099.37**
			Total DSr Items + Total non DSR Items			**57,45,936.68**
			Round Off			**0.32**
			Say,			**57,45,937.00**
	IN WORDS : FIFTY SEVEN LAKHS FORTY FIVE THOUSAND NINE HUNDRED THIRTY SEVEN ONLY.					

BOQ of Development of Pond and Surrounding Areas through Rejuvenation, Beautification and Infrastructure
Upgrades including installation of Sewage Treatment plant-5KLD (STP) At Imambara Sadar Hospital Campus under
Ward No.20, Chuchura municipality, Hooghly- 712101, West Bengal, India

Sl No		Description of Works	L	B	H	Quantity	Unit	RATE	AMOUNT
1		Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30\text{ cm} in depth, 1.5\text{ m} in width as well as 10\text{ sqm} on plan) including getting out and disposal of excavated earth lead upto 50\text{ m} and for all lift, as directed by Engineer-in-charge. All kinds of soil	7.2	4.8	0.9	7.78	cum	177.5	1380.95
2		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.				1.56	cum	196	305.76
3		Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	7.2	4.8	0.6	5.18	CUM	2123.75	11001.02
4		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	24	0.5	0.9	2.70	CUM	7132.25	19257.08
		Cement mortar 1:6 (1 cement : 6 coarse sand)							
5		Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with local sand, with common burnt clay non modular bricks.	7.2	4.8	0.6	17.20	SQM	792.05	13623.26
6		1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	24	0.8	1.5	0.72	CUM	6812	4946.40
7		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :	7.2	4.8	0.2	1.72	CUM	8340.85	14346.26
		1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)							
8									
9		Centering and shuttering including strutting, propping etc. and removal of form for				17.72	Sqm	392.15	6,948.90
		Foundations, footings, bases of columns, etc. for mass concrete							

10		Detailed STP drawing of Plant /process flow diagram, Proces and Instrumentation Diagram, Plant layout , Section and Elevation Drawing, Hydraulic Flow Diagram drawing, Equipment Foundation Drawing, Electrical drawing, Power Load Requirement. Submission of detailed Good For Construction Piping & electromechanical Drawing includes modern specialized plant execution mechanisms. Approved NSI				1	Job	28,474.58	28,474.58
11		Supply, Delivery and installation of MS Bar Screen Chamber Approved NSI				1	no	27,932.20	27,932.20
12		Supply, Delivery and installation of Oil & Grease Chamber Ms --1 m3 Approved NSI				1.0	set	18,728.81	18,728.81
13		Supply, Delivery and installation of Raw Sewage Collection Cum Equalization MS Tank- 5 kld Approved NSI				1	no	58,677.97	58,677.97
14		Treated water tank (which is to be recycle) - 2 kl - FRP Coated MBBR Tanks -1 KL to 1 kl x 4-as per flow of 5 kld with MBBR Tank & Tube Settler Tanks - 1 M2 as per flow of 5 kld = FRP Approved NSI				1	no	20,677.97	20,677.97
15		Basket Screen Chamber & Oil & Grease Trap (Hanging), Raw Sewage Collection Tank whole Package type system to put in FRP Tank. Approved NSI				1	job	76,271.19	76,271.19
16		Supply, installation, testing & commissioning of 2 Nos MS, Bar Screen with suitable lifting arrangement. Approved NSI				1	job	23644.07	23,644.07
17		Supply, installation, testing & commissioning of electronic type Panael controller for operation of the system with high/low level complete with auxillary and Modern Nexr- Gen AI techonology. Approved NSI				1	set	28813.56	28,813.56
18		Supply, installation, testing & commissioning of 2 no. Submersible pump along with motor of suitable capacity or as required for Anoxic Tank. The submersible mixer shall be suitable for 415±10% volts electric line supply. Approved NSI				2	Nos	8186.44	16,372.88
19		Supply, installation, testing & commissioning of Ring air blowers capable of delivering air at 0.4 kg/cm2 A/C supply. Qty (1w + 1St by) Approved NSI				2	Nos	10677.67	21,355.34

20		Supply, installation, testing & commissioning of Non clog type air diffuser system capable of handling desired cfm of air. Air deffuser system shall be provided coarse air bubble Silicon type diffusers for raw sewage equalization tank & sludge holding tank and fine bubble membrane Silicon type diffusers for FAB / MBBR Tanks. Approved NSI				1	LOT	2,203.39	2,203.39
21		Supply, installation, testing & commissioning of Non clogging type submersible Raw Sewage pumps for transfer of raw sewage to anoxic tank capable of handling solids minimum 32 mm in CI casing and impeller with all accessories, motor of required capacity, Pressure gauge on delivery line with isolation valve, level controller (with wiring) to control the level of sump automatically. Flow rate : 4-5 Cu M / Hr at 10 meter head. Qty--(2 w + 1 St by). Provision of BY PASS arrangement to pump out sewage to external sewer line to be considered in case of maintenance of STP needed) Approved NSI				2	NOS	17711.86	35,423.72
22		Supply, installation, testing & commissioning of Non clogging type horizontal centrifugal Sludge transfer /disposal / recirculation pumps capable of handling solids with all accessories, motor of required capacity, Pressure gauge on delivery line. Approved NSI				1	NOS	9237.29	9,237.29
23		Supply, installation, testing & commissioning of Non clogging type horizontal centrifugal Sludge recirculation pumps (between Fab / MBBR tank to Anoxic Tank) capable of handling solids upto 8 mm. Flow rate : 04 Cu M / Hr at 10 meter head Qty : 2 nos (1W+1St by) Approved NSI				2	NOS	4,237.29	8,474.58
24		(i) Filter Feed Pumps - 2 nos (1W+1St by), having discharge : 2m3/hr (each) at 25 mtr head. Approved NSI				2	NOS	6110.17	12220.34
25		Supply, installation, testing & commissioning of Random Media (FAB / MBBR Technology) Approved NSI				1	Lot	4,745.76	4,745.76
26		Supply, installation, testing & commissioning of TUBE SETTELING Media on MS bar structre Approved NSI				1	Lot	29,830.51	29,830.51

27		Supply, installation & testing and commissioning of TATA make FRP Multi Grade filter and Activated Carbon Filter of suitable size for required flow and head, provided with required media complete with standard fittings like mutiort valave, pressuregauge at inlet & outlet, sampling cock. Approved NSI				2	Nos	9,762.71	19,525.42
28		Supply, installation & testing and commissioning of vertical floor mounted mild steel Epoxy pressure type Activated carbon filter of suitable size for required flow and head, provided with an inlet distributor. The vessel is painted externally and internally with epoxy paint with primer with frontal piping & valves, back wash system & filter media etc. complete with standard fittings like cover, pressure gauge at inlet & outlet, sampling cock, rinse drain valve, air vent valve with piping, bolts, nuts & rubber gaskets. Flow rate = 2 M3/ hr at 15 hrs operation Vessel Dia = 700 mm HOS = Min. 1800 mm Filteration rate = 16 M3/M2/Hr Shell / Dish thickness = 6 / 8 mm Working pressure = 3.5 Kg/Sq.cm. Approved NSI				2	Nos	1910.17	3820.34
29		Providing and fixing all Upvc piping (as described below) with all accessories, fittings, supports, clamps for all tanks for making the system complete in all respects Approved NSI				1	LOT	15,611.00	15,611.00
30		Supply Installation, testing & commissioning of Electrical Control Panel suitable for 415 V, 3 Phase, 4 wies, 50Hz, fabricated out of 16 SWG CRCA sheet steel, IP52, wall / floor mounting type. The sheetsteel shall undergo minimum nine tank treatment followed by finishing powder coating of min 60 micron thickness. The board includes removable gland plates, cable glands, including connection with outgoing feeders complete in all respect. The outgoings from thepanel shall be suitable for all equipments, various pumps, blowers with suitable capacity star delta / DOL starters, ventilation, treated water transfer pumps to horticulture and flushing system etc. Adequate size cable alley shall be provided for each cable bending & termination. Approved NSI				1	Qty	19966.1	19966.1
31		Supply, installation, testing & commissioning of Chlorine Dosing System				1	Qty	9610.17	9610.17

		of Capacity 0-12 LPH, with LDPE tank 40 lit Approved NSI							
32		Operation and Maintenance cost of STP after trial run and Handing Over (with in DLP) Includes- the operator skill, chemicals and consummables and water test report on monthly basis. Approved NSI				2	month	16271.19	32542.38
						Total DSR Items			**42,238.95**
			Modified Estimated Cost after using correction factor on DSR-2023 items on account of GST @ 0.973 (vide OM No.- 158/SE(TAS)/GST/2024/02-E dated:- 08.08.2024)						**41,098.49**
			Add Cost Index @ 23% on DSR 2023 Items						**9,452.65**
			Total for DSR Items						**50,551.14**
			Total NON DSR Items						**5,53,730.25**
			Add GST @ 18% on total						**99,671.45**
			Total cost including GST						**6,53,401.70**
			Add LW Cess @1% on						**6,534.02**
			Total cost of work including GST, LW Cess						**6,59,935.72**
			Total DSR Items + Total non DSR Items						**7,10,486.86**
			Say,						**7,10,486.86**

Annexure-XXI

Commercial bid

Sl. No.	Work Allotted	Consignee Details	Estimated Amount inclusive of taxes	Offered discount in Percentage %
1	Construction of Smart Classroom at Sugandhya High School, between 500–700 sq. ft., including all modifications, instruments and facilities.	Sugandhya High School, Sugandhya GP, under Polba-Dadpur Block, Hooghly	12,49,298.00	
2	Construction of Smart Classroom at Rajhat High School, between 500–700 sq. ft., including all modifications, instruments and facilities	Rajhat High School, Rajhat GP, under Polba-Dadpur Block, Hooghly	12,24,921.00	
3	Construction of Smart Classroom at Komdhara Mathurkur High School, including all modifications, instruments and facilities	Harit GP, under Polba-Dadpur Block, Hooghly.	16,12,121.00	
4	Solar-powered standalone community iron and heavy metals filtration plant with NSF 372 and 61, CSIR/BARC-certified water purification system, cooler, remote monitoring and control system, and auto backwash facility	Manasa Bari, Khamar Para, Mithapukur More, Ward No. 08, Bansberia Municipality	13,59,711.00	
5	Solar-powe stand alone community iron and heavy metals filtration plant with certified water purification system, cooler, remote monitoring and control system, and auto backwash facility.	Chandrahati Dilip Kumar High School, Raghunathpur, Chandrahati, Chinsurah-Mogra Block GP Chinsura-Mogra Block.	13,59,711.00	
6	Development of pond and surrounding areas through renovation, beautification and infrastructure upgrades, including WTP, STP, seating capacity, vehicle parking, boundary wall, approach road and land levelling.	Imambara Sadar Hospital Campus, Ward No. 20, Hooghly-Chinsurah Municipality	69,65,775.00	
7	Construction of Smart Classroom at Goswami Malipara Girls High School, between 300–500 sq. ft., including all modifications, instruments and facilities	Goswami Malipara Girls High School, Goswami Malipara GP, Polba-Dadpur Block	9,97,083.00	

8	Construction of Smart Classroom at Simlagarh Vitashin Girls High School, between 300–500 sq. ft., including all modifications, instruments and facilities.	Simlagarh Vitashin Girls High School, Simlagarh Vitashin GP, Pandua Block	12,71,454.00	
9	Construction of Smart Classroom at Jair High School, between 300–500 sq. ft., including all modifications, instruments and facilities	Jair High School, Village Jair, P.O. Jair, Pandua Block	12,96,333.00	

- The above estimate cost includes GST and other applicable taxes.
- The bidder must offer a minimum discount of 5% on the estimated cost, failing which the bid shall be summarily rejected.
- The bidder shall quote a single percentage discount on the approved client price/rate schedule specified in the tender document. The resulting evaluated price shall be calculated in accordance with the formula and tax treatment prescribed in the tender.
- The quoted discount shall be unconditional and applicable uniformly to all items covered by the specified price schedule, unless otherwise stated in the tender. The bidder shall not alter the prescribed price basis or introduce conditional discounts.
- Please provide a site-wise breakup of the offered price after applying the discount for all nine (9) sites, in the format prescribed at Annexure-XX. In case of any ambiguity in the price quoted, the price/discount specified in the annexure -XXI shall prevail and be considered final.
- The contract price shall be determined after applying the quoted discount and accounting for GST and other applicable statutory levies in accordance with the tender conditions.
- No conditional bids will be accepted.