



GOVERNMENT OF ASSAM
PROJECT MANAGEMENT UNIT (PMU)
ASSAM PROJECT ON FOREST AND BIODIVERSITY CONSERVATION SOCIETY (APFBCS)
ARANYA BHAWAN, PANJABARI, GUWAHATI - 781037
Tel: +91 361-2733917; Website: www.apfbcn.nic.in; Email: pd@apfbcn.in ;

***Project: AFD financed Assam Project on Forest & Biodiversity
Conservation - Phase II***

BIDDING DOCUMENT

FOR

**Procurement of Display Systems and Associated Equipment including
Installation, Testing & Commissioning**

IFB No: APFBC/PMU/Phase-II/DS/2025/4

Dated: 12th November 2025

Bidding Document Issued from: 13th November 2025.

Government of Assam
AFD financed
Assam Project on Forest & Biodiversity Conservation- Phase II
Assam Project on Forest & Biodiversity Conservation Society (APFBCS)
Aranya Bhawan, Panjabari, Guwahati- 781037; Website: www.apfbcn.nic.in; Email: pd@apfbcn.in

INVITATION FOR BIDS (IFB)

(IFB No. APFBC/PMU/Phase-II/DS/2025/413/4 dated 12th November 2025)

Sealed bids are invited from eligible bidders for the work 'Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning. Further details, including the scope of work, terms & conditions, etc., may be seen in the detailed bidding document available at www.apfbcn.nic.in. The bidding document will be available for download from **13th November 2025** to **3rd December 2025**. The last date for submission of bids is 02:00 PM, **3rd December 2025**. For more information, please contact the address mentioned above during office hours.

Sd/-
Project Director
PMU, APFBC Society

Government of Assam
AFD financed
Assam Project on Forest & Biodiversity Conservation- Phase II
Assam Project on Forest & Biodiversity Conservation Society (APFBCS)

Aranya Bhawan, Panjabari, Guwahati- 781037; Website: www.apfbc.nic.in; Email: pd@apfbc.in;

No. APFBC/PMU/Phase-II/DS/2025/414/4-A

Dated: 12th November 2025

INVITATION FOR BIDS (IFB)
Detailed Procurement Notice

1. The Project Director, PMU, APFBCS, invites offline sealed bids from eligible bidders in a two-bid format (Technical and Financial), submitted together in a single envelope, for the following supply, installation, testing, and commissioning work:

Brief Description of the Work	Period of Completion
Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.	10 days from the date of issue of the work order.

2. The Bidders shall be required to submit bids for all items.
3. This Procurement notice includes the terms and conditions applicable to submission of bids; criteria for qualification, evaluation, and for award of work order(s); and relevant forms to be filled by the bidders.
4. Interested eligible Bidders may obtain further information from and inspect the bidding Document at the office of the Project Director, PMU, APFBCS, Aranya Bhawan, Panjabari, Guwahati – 781037 (Assam), Telephone:+91-361-2733917, Email: pd@apfbc.in ; Website: www.apfbc.nic.in
5. Bids, both Technical Part and Financial Part shall be submitted on or before 14:00 hours on **3rd December 2025** and must be accompanied by a Bid Security of **Rs. 1.00 Lakh**. Any bid or modifications to bid received after the deadline shall not be considered and returned unopened.
6. The sealed envelope should be super scribed as “Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning”; “Not to be opened before **3rd December 2025** at 14.30 hours”.
7. The technical bids will be opened publicly on the same day i.e. **3rd December 2025 at 14.30** hours in presence of the bidders or their representatives who choose to attend at the office of the undersigned.
8. If the office happens to be closed on the date of opening of the bids as specified, the technical bids will be opened on the next working day at the same time. The Financial bids shall remain unopened, until the subsequent opening, following the evaluation of the technical bids.
9. The PD, APFBC Society shall not be held liable for any delay in the receipt of bids.

Sd/-
Project Director
PMU, APFBC Society

SECTION - I

1) Scope of Work:

The Project Director, APFBC Society invites bid for supply work as detailed in the table given below:

Brief Description of the Works	Period of Completion
Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.	10 (Ten) days from the date of issue of the work order

The successful bidder will be required to complete the work by the intended completion date specified above.

2) Qualification Criteria: to qualify for the award of the contract, the bidder should have-

Eligibility			
Sl.	Criterion	Requirement(s)	Submissions*
1	Nationality /Jurisdiction	Indian Nationality & Operating under Jurisdiction of State of Assam.	Up-to-date Trade License + GST Registration + PAN Card and Bank details
2	Financial Ability/Stability	The bidder must have an average turnover of Rs. 1.50 Cr. over the last three (3) financial years, i.e., FY: 2021-22, FY: 2022-23, and FY: 2023-24	CA-certified copy of the Annual Turnover, along with the Profit & Loss Statements/Financial Statements for the last three financial years (i.e., FY 2021-22, FY 2022-23, and FY 2023-24)
3	Similar/ Comparable Experience	The bidder shall have successfully executed at least one (1) supply and installation work of Display Systems or Audio-Visual Equipment, including installation, testing, and commissioning, during the last three (3) financial years (FY 2022-23, FY 2023-24, and FY 2024-25), with a contract value of not less than INR 25.00 Lakh, executed for a Government Department, PSU, or Government Autonomous Body..	The bidder shall submit copies of the work order and completion certificate (or equivalent documentary proof) in support of the mentioned requirement.
4	OEM Authorization	The bidder must be an authorized dealer/supplier of the equipment offered in the tender and must be authorized to supply, install, and provide support/warranty for the same.	The bidder shall submit bid-specific OEM authorization confirming they are authorized to supply, install, and provide support/warranty for the equipment offered in this tender.
5	History of Non-Performing Contracts	Termination of a contract did not occur as a result of Bidder's default in the past three (3) years.	Notarized Self-Certificate duly signed & sealed.
6	Pending Litigation	No pending litigation and if any, to be confirmed as being resolved against the Bidder.	Notarized Self-Certificate duly signed & sealed.
7	Period of Maintenance / Warranty	1) The bidder shall provide a maintenance period of six (06) months from the date of taking over possession, during which the bidder shall rectify any defects in the supplied and installed equipment at	1) Notarized Self-Declaration by the bidder/firm confirming acceptance of both the maintenance period and that the equipment is covered under OEM warranty. 2) Copies of OEM warranty documents for

Eligibility			
Sl.	Criterion	Requirement(s)	Submissions*
		no additional cost. 2) All equipment supplied and installed must also be covered under the original OEM warranty, and any defects or malfunctions during the warranty period shall be rectified as per the warranty terms.	the equipment offered.

***Note: All documents must be duly signed and sealed by the authorized representative of the bidder.**

- 3) Eligibility:** A Bidder (a) shall not participate in more than one bid; (b) shall not have any actual or potential conflict of interest in relation to this procurement; and (c) should not have been (i) temporarily suspended or debarred by the Central or any State Government Departments; or (ii) blacklisted or suspended by Central or any State Government Departments in India.
- 4) Clarifications:** Any request for clarification regarding this bid shall be sent in writing to office of the Project Director, PMU, APFBCS, Aranya Bhawan, Panjabari, Guwahati - 781037 (Assam), Email: pd@apfbc.in, no later than 5:00 pm on **20th November 2025**. The Purchaser will send out its response to all bidders including a description of the subject of the request for clarification, without identifying the inquirer.
- 5) Documents:** The Bid shall comprise two Parts, namely the Technical Part and the Financial Part. Both Parts shall be submitted simultaneously.
- 6) The Technical Part of Bid shall comprise the following:**
- Letter of Bid - Technical Part;
 - Technical Specifications: confirmation that the offered Goods and Related Services conform to the required specifications.
 - Undertaking for Compliance with Technical Specifications for Tendered Items (on pages 12), with declaration signed and sealed by authorized representative of the bidder.
 - Evidence in accordance with Clause 2 establishing Bidder's qualifications to perform the contract, if its bid is accepted;
 - Complete address and contact details of the Bidder having the following information:
Name of Firm
Address for communication
Telephone No(s): Office
Mobile No.
Facsimile (FAX) No.
Electronic Mail Identification (E-mail ID)
 - The Technical Part of Bid shall not include any financial information related to the Bid price. Where material financial information related to the Bid price is contained in the Technical Part of Bid, the bid shall be declared non-responsive.
- 7) The Financial Part of Bid shall comprise the following:**
- Letter of Bid - Financial Part
 - Price Schedule.
- 8) Bid Prices:**
- The bid shall be for the complete supply, installation, testing, and commissioning of the equipment and associated works as described in the Bill of Quantities/Scope of Work.
 - Corrections, if any, in the bid shall be carried out by editing the information before submission.
 - The rates quoted by the bidder shall be fixed for the duration of the contract period and shall not be subject to adjustment on any account.
 - The rates should be quoted in Indian Rupees only.

9) Conformity of Goods: The Bidder shall furnish as part of the Technical Part of Bid, documentary evidence that the Goods conform to the technical specifications and standards, as relevant for example catalogue, warranty/ guarantee etc. of the manufacturer.

10) Signing of Bids: The name and position held by each person signing the bid and related documents must be typed or printed below the signature.

11) Submissions of bids:

- a) The bidder shall submit both the Technical Bid and the Financial Bid together in a single sealed envelope, clearly marked:

"Bid for Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning".

- b) Bidders may submit their sealed envelopes containing the bids by post or by hand or drop in the box earmarked by the Employer.

- c) Bid shall be addressed to –

Office of the Project Director

Project Management Unit, Assam Project on Forest and Biodiversity Conservation Society (APFBCS), 3rd Floor, Aranya Bhawan, Panjabari, Guwahati- 781037.

- d) The name of the bidder, address and contact no. should be mentioned on the reverse of the sealed envelope.
- e) All pages of the bid shall be signed and stamped by the authorized person to indicate that the bidder has agreed to all terms and conditions of the bid.
- f) Overwriting, alterations, if any, in the bid should be signed by the authorized signatory.
- g) Bid not accompanied by specified documents, self-declarations, signatures may be rejected by the office as non-responsive and may not be evaluated.

12) Bid Security

- a) The bidder shall furnish, as part of their bid, a bid security in the amount specified in the detailed IFB for this particular supply work. The bid security shall be in favor of the 'Assam Project on Forest and Biodiversity Conservation Society Phase II,' payable at Guwahati, Assam, in one of the following forms:
- Demand Draft/Fixed Deposit Receipt (FDR) or Term Deposit Receipt (TDR) issued by Nationalized/Schedule Bank in India.; or
 - Bank Guarantee issued by a Nationalized/Schedule Bank in India.
- b) The Bid Security must remain valid for forty-five (45) days beyond the original or extended validity period of the bid.
- c) Any bid not accompanied by an acceptable Bid security shall be rejected by the Employer as non-responsive.
- d) Unless there is any challenge on the bid/bid process in any court of law, the Bid security of unsuccessful bidders will be returned within 28 days of the end of the validity period.
- e) The bid Security of the Successful Bidder will be discharged when the bidder has signed the Agreement and furnished the Performance Security.
- f) The Bid security shall be forfeited
- If the Bidder withdraws the Bid after Bid Opening during the period of Bid Validity;
 - If the Bidder does not accept the correction of the Bid Price, pursuant to Clause 15; or
 - In the case of a successful Bidder, if the Bidder fails within the specified time limit to:
 - Sign the Agreement;
 - Or furnish the required Performance Security.

13) Deadline for Submission of Bids: Bids must be submitted no later than the deadline for submission of bids viz. 14.00 hours on **3rd November 2025**. A Bidder may modify its bid any number of times, before the deadline for submission of bids.

14) Validity of Bid: Bid shall remain valid for a period not less than 45 (Forty-Five) days after the deadline date specified for submission.

15) Opening and Evaluation of the Bids -Technical:

- a) The Technical bids will be opened publicly on the specified date and time wherein willing bidders may remain present.
- b) The Employer shall examine the bid to determine whether the bid -
 - i. has been properly signed as per Clause 10;
 - ii. Meets the Qualification Criteria as specified in Clause 2;
 - iii. Conforms to all terms, conditions, technical specifications, OEM warranty/guarantee, and scope of work; and
- c) Only bids that are substantially responsive to the bidding document and fully meet all Qualification Criteria shall qualify for the opening of their Financial Part.
- d) The Purchaser shall notify in writing those Bidders whose Technical bids are found non-responsive or who fail to meet the Qualification Criteria, informing them that their Financial Part of the bid will not be opened.
- e) Simultaneously, the Purchaser shall notify in writing those Bidders whose Technical bids have been evaluated as substantially responsive and meeting all Qualification Criteria, advising them that their Financial Part of the bid will be opened on a specified date and time at the Purchaser's office.

14) Opening and Evaluation of the Bids -Financial

- a) The Bid Evaluation Committee shall examine the Letter of Bid-Financial Part and Price Schedules to ensure they comply with the requirements specified in the bid document. Bids with any missing documents or incomplete information shall be rejected.
- b) The bids shall be evaluated for all items together.
- c) The evaluation shall be based on the total price of the Goods and Related Services at the project site, excluding GST and any other applicable taxes, which will be payable separately on the finished goods at the time of invoicing.

15) Award of contract:

- a) The Employer will award the contract to the bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid price.
- b) Notwithstanding the above, the Employer reserves the right to accept or reject any bids and to cancel the bidding process and reject all bids at any time prior to the award of contract.
- c) Normal commercial warranty/ guarantee shall be applicable to the supplied goods.
- d) The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the bid validity period.

16) Adjustment:

- a) Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by the APFBC Society.
- b) The unit price shall prevail and the total price shall be corrected, in case of any discrepancy.
- c) If the bidder does not accept the final price based on re-computation and correction of errors, its bid will be rejected and the bid security will be forfeited.

17) Liquidated Damages: Liquidated damages shall be imposed to the selected bidder under the following conditions:

- a) The bidder shall complete the supply, installation, testing, and commissioning of all goods within the time specified in the contract.
- b) In case of delay, the Purchaser may impose LD at the rate of 1% of the total contract value per week of delay, subject to a maximum of 10% of the total contract value.
- c) The LD shall be deducted from payments due to the bidder or recovered from the Performance Security.

18) Payments:

- a) Payment shall be made on submission of bills/invoices along with the requisite supporting documents and certification by the concerned officer of the APFBC Society.
- b) All payments to the successful bidder shall be made by Account Transfer only.
- c) All taxes (including GST, etc.) shall be dealt with as per the Govt. laws
- d) **No advance payment** shall be made.

19) Performance Security

- a) Within 5 days of receipt of the Letter of Acceptance, the successful bidder shall deliver to the Employer a performance security, in the form provided in Section III, for an amount equivalent to 5% (five percent) of the contract price.
- b) The performance security should be pledged in favor of the 'Assam Project on Forest and Biodiversity Conservation Society Phase II,' payable at Guwahati, Assam.
- c) The validity of the performance security shall be for a period of 45 days beyond the date of completion of all contractual obligations.
- d) Failure of the successful bidder to submit the aforementioned Performance Security shall constitute sufficient grounds for the annulment of the award of contract and forfeiture of the bid security.

20) Provision for Variations

Any variation in the scope of supply, installation, testing, and commissioning, including but not limited to additions, alterations, or substitutions, shall be permitted only with the prior written approval of the Project Director, APFBC Society. Such variations shall be executed strictly based on the approved specifications and certified measurements, and payments shall be made on actuals in accordance with the applicable rates or as determined by the competent authority under the terms of the contract. No variation shall be considered authorized unless expressly approved in writing.

21) Force Majeure

Neither party shall be held liable for any delay or failure to perform its obligations under this contract due to events beyond its reasonable control, including but not limited to natural disasters, fire, floods, strikes, civil unrest, or government orders.

The affected party shall notify the other party in writing as soon as possible. In such cases, the completion schedule may be extended by the Purchaser for a period equivalent to the delay caused by the Force Majeure event.

22) Termination Clause

- (a) The Employer may terminate the contract **with 15 days' written notice** if the Contractor:
 - Fails to perform any obligations,
 - Abandons the work, or
 - Is involved in corrupt or fraudulent practices.
- (b) Upon termination, the Employer shall pay only for the **portion of the work completed** and certified up to the date of termination.

23) Dispute Resolution

Any dispute arising out of or relating to this Agreement shall be resolved through mutual consultation. If unresolved, the matter shall be referred to arbitration under the provisions of the Arbitration and Conciliation Act, 1996, as amended. The venue of arbitration shall be **Guwahati**, Assam.

24) Miscellaneous:

- a) The APFBC Society reserves the right to accept or reject any bid and is not obligated to award the contract. The Society shall not be responsible for any costs incurred by bidders in preparing or submitting their bids.
- b) The bidder shall ensure that all areas where work is performed are left neat and clean after completion. All waste materials shall be removed and disposed of by the bidder at their own cost.

- c) No variation or modification of the terms and conditions of the contract shall be permitted unless expressly approved in writing by the Purchaser.
- d) All materials and workmanship shall be of branded, high-quality standards and are subject to inspection by the Purchaser. Any item not meeting the required specifications shall be replaced or rectified free of cost to the Purchaser.

SECTION - II

LETTER OF BID-TECHNICAL

The Bidder must prepare the Letter of Bid with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.

Description of the Works: Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.

IFB No. APFBC/PMU/Phase-II/DS/2025/414/4 dated 12th November 2025.

To:

The Project Director, APFBC Society,
Aranya Bhawan, Panjabari,
Guwahati - 781037

Sub: Technical Bid for 'Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.'

Sir,

1. We, the undersigned, hereby submit our Bid in two parts, namely:

- (a) Technical Part; and
- (b) Financial Part

2. In submitting our Bid, we make the following declarations:

- (a) **No reservations:** We have examined and have no reservations to the bidding document;
- (b) **Conformity:** We offer to execute the subject work in conformity with the bidding document and in accordance with the Period of Completion specified in Section -I;
- (c) **Bid Validity Period:** Our bid shall be valid for the period of 45 days, from the deadline fixed for the bid submission;
- (d) **Eligibility:** We meet the eligibility requirements and have no conflict of interest, we are not participating in more than one bid in this bidding process, and we have not been temporarily suspended or blacklisted or suspended by the Central or any State Government;
- (e) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices; and we will strictly observe the laws against fraud and corruption in force in India namely, "Prevention of Corruption Act 1988."

Yours faithfully,

Authorized Signature

Name & Title of Signatory _____

In the capacity of *[insert legal capacity of person signing the Letter of Bid]*

Name of Bidder _____

Address _____

Dated on _____ day of _____, _____ *[insert date of signing]*

LETTER OF BID-FINANCIAL

The Bidder must prepare the Letter of Bid with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.

Description of the Works: Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.

IFB No. APFBC/PMU/Phase-II/DS/2025/414/4 dated 12th November 2025.

Our Reference: No..... Dated.....

To:
The Project Director, APFBC Society,
Aranya Bhawan, Panjabari,
Guwahati – 781037

Subject: Financial Bid for “Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning”.

Sir,

1. We, the undersigned, hereby submit the second part of our Bid, the Financial Part. In submitting our Financial Part we make the following additional declarations:
 - (a) Our bid shall be valid for the period of 45 days from the deadline fixed for the bid submission;
 - (b) The total price of our Bid, including any unconditional discounts offered is:

Total price of the bid **[insert the total price of the bid including GST and any other taxes, which will be payable on the finished goods, in words and figures];**

Yours faithfully,

Authorized Signature

Name & Title of Signatory _____

In the capacity of *[insert legal capacity of person signing the Letter of bid]*

Name of Bidder _____

Address _____

Dated on _____ day of _____, _____ *[insert date of signing]*

Undertaking/Declaration by the Bidder

I/We, [Bidder Name], hereby undertake that we have reviewed the technical specifications and delivery requirements outlined in the tender for "Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning".

We confirm that all goods and services offered shall fully comply with the specified technical standards and shall be delivered, installed, tested, and commissioned within the timelines mentioned in the bidding document.

We further undertake to replace or rectify any items not meeting the specifications or delivery requirements at no additional cost to the Purchaser.

Signature: _____

Name: [Authorized Signatory Name]

Title: [Authorized Signatory Title]

Date: [Date]

Section-III

Form for Bid Security Demand Guarantee

Beneficiary: _____

Invitation for Bids No.: _____

Date: _____

Bid Guarantee No.: _____

Guarantor: _____

We have been informed that _____ (hereinafter called "**the Bidder**") has submitted or will submit to the Beneficiary its bid (hereinafter called "**the Bid**") for the execution of _____ under Invitation for Bids No. _____ ("**the IFB**").

Furthermore, we understand that, according to the Beneficiary's conditions, Bids must be supported by a Bid guarantee.

At the request of the Bidder, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of INR _____ (Indian Rupees _____ only) upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Bidder:

a) Has withdrawn its Bid during the period of Bid validity set forth in the Bidder's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Bidder; or

b) Having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Bidder, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("**ITB**") of the Beneficiary's Bidding Documents.

This guarantee will expire:

a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Bidder and the performance security issued to the Beneficiary in relation to such contract agreement; or

b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Bidder of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

Performance Security

Demand guarantee

Beneficiary: _____

Date: _____

PERFORMANCE GUARANTEE No.: _____

Guarantor: _____

We have been informed that _____ (hereinafter called "**the Bidder**") has entered into Contract No. _____ dated _____ with the Beneficiary, for the execution of _____ (hereinafter called "**the Contract**").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Bidder, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ [insert amount in figures] (_____) [insert amount in words]¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's first demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Bidder is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the _____ day of _____ 2 ____2, and any demand for payment under it must be received by us at this office indicated above on or before that date.

_____ [Signature]

[Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.]

Bill of Quantities for 'Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.'						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
1	136" Diagonal Active LED All in One Display with Speakers and Remote Control	Screen Size: Min 136" Diagonal or higher. Display Area (mm): 3000 (H) x 1687.5(V). Native Resolution: 1920x1080 or higher. Panel Technology: Direct view LED. LED Package Type: SMD 3 in 1 (With GOB coating). Bonding Wire: Copper. Pixel Pitch (mm): 1.56 or better: Refresh Rate: 3840Hz or higher. LED Grayscale: 13bits. Brightness (max.): 600 nits (100 levels adjustable) or higher. Contrast Ratio (typ.): 1000:1 or Higher. Orientation: Landscape. Viewing Angles (typ.): H = 170, V = 170 or higher. LED Lifetime (typ.): 100,000 Hours or Higher. Resolution Support: VGA(640 x 480) to 4K(3840 x 2160@60hz). HDTV Compatibility: 480p, 576p, 720p, 1080p, 2160p. Horizontal Frequency: 31K-94kHz. Vertical Scan Rate: 56-85Hz. Inputs- HDMI: Min. x 2(HDMI 1.3, HDCP 1.4), USB Type A: USB2.0 x2. RJ45 Input shared with internet : Control x1, IR in x1. Outputs- HDMI out x1 (HDMI 1.4, HDCP 1.4), Speaker: Inbuilt 18W x 2 or Higher. Audio out (3.5mm) x 1. USB Type A (Power): Shared with USB input (5V/0.9A x1, 5V/0.5A x1, USB-C 5V/1A x1). Control- RJ45 (LAN control) x1, RS232 (DB 9-pin female) x1, IR Receiver x1. Others-Ingress Protection Rating:IP54 Rating (Front) or Better. Standard Accessories: Power Cord x1, LAN Cable (Cat 5A) x1, IR Extender Cable x1, Remote Control x1, Wall Mount x1. Spare Parts: LED Module x7 or more.	No.	1		
2	85" Professional Display	Screen Size: 85" Diagonal or higher , Brightness (cd/m ²): 440 or higher, Contrast Ratio: 6000:1, Dynamic Contrast Ratio: 300,000:1, Response Time (ms): 15.9 or less, Display resolution (H x V, pixels): 3840 x 2160. HDR (High Dynamic Range) compatibility: Yes (HDR10,HLG,Dolby Vision). Aspect Ratio: 16:9, Portrait/Tilt Compatibility: Yes, Dimming type: Frame Dimming, Display Device: LCD, Backlight type: Direct LED, Color gamut (DCI-P3): 92% or better, Operation time: 24/7, Viewing Angle (Right/Left): 178 (89/89) degree. Viewing Angle (Up/Down): 178 (89/89) degree, HDMI Signal: 4096 x 2160p (24, 60Hz), 3840 x 2160p (24, 30, 60Hz), 1080p (24, 30,60Hz), 1080i (60Hz), 720p (24,30,60Hz), 480p. Speaker Position: Down Firing. Audio Power Output: 10W + 10W, Pro mode: Yes. HDMI auto wake-up: Yes, Operating System: Android TV. HTML5 platform: Yes. Multicast/IPTV: Yes, On-board Storage (GB): 16GB. Wi-Fi Direct: Yes. Wi-Fi Certified: Yes. Wireless LAN : Integrated. USB playback codecs: MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS (HDV,AVCHD):MPEG2,AVC/MP4 (XAVC S):AVC,MPEG4,HEVC/AVI: Xvid,MotionJpeg/ASF (WMV):VC1/. MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF (WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG. On Screen Clock: Yes. Sleep Timer: Yes. On/Off Timer: Yes. Chromecast built-in: Yes. Apple AirPlay : Yes, IP Control: Yes. RS-232C Control: Yes. HDMI-CEC: Yes. HDCP: HDCP2.3 (for HDMI1/2/3/4). HDMI inputs total: 4 (4Side). Analog Audio Input (s) (Total): 1 (Side Analog Conversion)USB ports: 2 (Side). Ethernet inputs: 1 (Side).	No.	2		
3	24" Pen Display with Accessories	24" Diagonal LED-backlit Touchscreen Monitor, Panel Type: VA Technology / LCD, Aspect Ratio: 16:9, Brightness: 250 cd/m ² or better, Contrast Ratio: 1000:1, 3H Hard Coating, Interfaces: HDMI, DisplayPort, USB 3.0 upstream and downstream or better. Certifications: Energy Star, CEC, RoHS, BIS.HDMI overt cat6 extender. Resolution Support: 4K@60Hz with 4.4.4. Max. Resolutions / Distance: Up to 4K@70m (CAT 6). Compliance: HDMI 2.0 and HDCP 2.2. Transmitter Input Ports: 1 X HDMI. Transmitter Output: 1 X RJ 45Out, 1 X HDMI. Receiver Input Port: 1 x RJ 45. Receiver Output: 1 X HDMI. USB Extender with High-Speed USB 2.0 compliant, the transfer data rate is up to 480Mbps. Transmission distance is up to 50m over a CAT5e/6/7 cable. Equipped with 4 USB peripherals to connect with keyboards, mouse, cameras and more The first two USB A ports provide 5V1A each, and the other two output 5V500mA each Compatible with Windows, IOS	Set	1		

Bill of Quantities for 'Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.'						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
		and Linux. Plug and play. 4X4 USB Switcher with USB 3.2 Gen 1. Control Port RS232 and TCPIP				
4	5KVA Online UPS	<p>Capacity (in kVA / kW): 5kVA/4000 W Single Phase Input / Single Phase Output</p> <p>Technology and Capability, a) True Online double conversion UPS, IGBT based Rectifier and Inverter b) UPS should be designed at Rated PF of 0.8 Minimum.</p> <p>Input facility -Phases / Wires: 1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground). Input Voltage Range: 180 - 300V AC (On 100% Load) and 110 -300 VAC (On 50% Load condition). Input Power Factor: 0.99 on Full Load. Input Current Harmonic Distortion (THDi) < 7%. Generator Compatibility: Compatibility to genset supply required.</p> <p>Nominal Output voltage: 220/230/240 VAC. Output Voltage Regulation $\pm 1\%$. Nominal Output Frequency: 50Hz/ 60Hz ± 0.1 Hz. Output Frequency Regulation: 46 to 54Hz. Output Wave Form: Pure sine wave. Output Voltage Distortion (THDv): <3% Linear Load and <5% Non Linear Load. Crest Factor: 3;1</p> <p>AC/AC (overall efficiency):Up to 92% @100% load. Overload capacity: 105 - 110% for 30 mins and 111 - 130% for 5 mins.</p> <p>Battery Bank: 18AH 20nos. Backup time: 30 mins. Battery Charger: 4Amp. Batteries Type (VRLA): Sealed Maintenance Free (SMF) - 12V Cells. Battery Makes: Amara Raja (Quanta make) / Exidepowersafe</p> <p>RS232: Required. USB Com port: Required. Intelligent slot: SNMP/MODBUS/Dry contacts. Operating temperature: 0~40°C Continuous</p> <p>Input terminal: Terminal. Output terminal: input breaker +terminal</p> <p>Converter mode: Required. Bypass parameters configurable: Required. Display: LCD display + LED panel. Mechanical Ingress protection: IP 20. Noise level at 1 m (dBA): < 58 dBA. Certification: CE, EN 62040-1, EN 62040-2, IEC 62040-3, BIS . RoHS Compliance: Required. REACH: Required. E- waste: Product must be PEP certified.</p>	Set	1		
5	43" Signage Display with software	<p>Screen Size: 43" Diagonal or higher, Brightness (cd/m²): 440 or higher, Contrast Ratio: 6000:1, Dynamic Contrast Ratio: 300,000:1, Response Time (ms): 15.9 or less, Display resolution (H x V, pixels): 3840 x 2160. HDR (High Dynamic Range) compatibility: Yes (HDR10,HLG,Dolby Vision). Aspect Ratio: 16:9, Portrait/Tilt Compatibility: Yes, Dimming type: Frame Dimming, Display Device: LCD, Backlight type: Direct LED, Color gamut (DCI-P3): 92% or better, Operation time: 16/7, Viewing Angle (Right/Left): 178 (89/89) degree. Viewing Angle (Up/Down): 178 (89/89) degree, HDMI Signal: 4096 x 2160p (24, 60Hz), 3840 x 2160p (24, 30, 60Hz), 1080p (24, 30,60Hz), 1080i (60Hz), 720p (24,30,60Hz), 480p. Speaker Position: Down Firing. Audio Power Output: 10W + 10W, Pro mode: Yes. HDMI auto wake-up: Yes, Operating System: Android TV. HTML5 platform: Yes. Multicast/IPTV: Yes, On-board Storage (GB): 16GB. Wi-Fi Certified: Yes. Wi-Fi Certified: Yes. Wireless LAN: Integrated. USB playback codecs: MPEG1:MPEG1/MPEG2PS:MPEG. Sleep Timer: Yes. On/Off Timer: Yes. Chromecast built-in: Yes. Apple AirPlay: Yes, IP Control: Yes. RS-232C Control: Yes. HDMI-CEC: Yes. HDCP: HDCP2.3 (for HDMI1/2/3/4). HDMI inputs total: 3 (Side). Analog Audio Input (s) (Total): 1 (Side Analog Conversion)USB ports: 2 (Side). Ethernet inputs: 1 (Side). Complete with subscription based signage software license.</p>	No.	1		

Annexure-I

Bill of Quantities for 'Procurement of Display Systems and Associated Equipment including Installation, Testing & Commissioning.'						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
6	Installation, Testing & Commissioning	Installation, Testing & Commissioning with all cables, connectors and accessories.	Job	1		
Total Cost in Rs. =						
GST=						
Total Cost in Rs. inc. GST=						

(Rupees in words.....)

(Note: The lowest evaluated responsive bidder shall be decided on the total amount quoted exclusive of GST and other taxes as applicable)
