

ASSAM POWER GENERATION CORPORATION LIMITED
OFFICE OF THE General Manager, LTPS, APGCL, Maibella,
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TENDER NO: LTPS/GM/2016/T-1(ph-I)/1348, dtd. 14.06.2016

Name of Work:
Design, Supply, Installation, Testing, & Commissioning of Audio-Visual System in the Conference Hall at GM Office of LTPS, APGCL, Maibella

Serial No.

.....
Signature and Seal of the Issuing Officer

Cost of Tender: Rs. 1000/-

(A) OBJECTIVE:

Lakwa Thermal Power Station (LTPS) is a gas based Power Station consisting of three power houses (Ph-I, Ph-II & Ph-III) with total installed capacity of 157.2 MW. The thermal energy produced by burning natural gas is used in gas turbine for generating power. The power station is having both open & combined cycle power generating units.

A new conference hall has already been constructed in the GM office building with the objective of developing human resource of the Plant. Presently, it is intended to install a state of the art Audio-Visual System in the newly constructed Conference Hall at GM Office in LTPS.

(B) INTENT OF THE TENDER DOCUMENT:

The intent of this tender document is to furnish work scope, i.e., both supply and installation & commissioning of the audio-visual system as well as other technical and commercial requirements to be furnished or fulfilled by the bidder participating in the tender.

(C) ELIGIBILITY OF BIDDER:

The bidder must be a **Manufacturer or Authorized Supplier/Dealer or a reputed experienced vendor of supplying & installing** Audio-Visual Systems for conference halls. In case of Authorized Supplier/Dealer of Audio-Visual Systems, necessary documents of authorization in original from OEM (Manufacturer) **for this particular tender** to be furnished along with the technical bid, failing which the submitted bid may be rejected. If the bidder is a mere experienced vendor of Audio Visual Systems, the bidder must provide documentary evidence of **Past Experience** as stated below in Clause-D. The bidder **may be a partnership firm of both audio and visuals system** having requisite experiences as per tender clause. However, in such case, the principal bidder shall provide partnership deed and will be responsible for the entire job including AMC.

(D) EXPERIENCE OF BIDDER:

The eligible bidder must have sufficient experience in successfully supplying & installing Audio-Visual Systems in Conference Halls. Documentary evidence in regards to past experience (e.g., copies of Work Order/Work Completion Certificate) issued to the bidder by clients must be submitted along with the technical part of the submitted bid. The minimum nos. of such documents to be furnished must be **01 (one) no.** In case of Partnership Firm, supporting document as stated above is to be furnished either individually or in favor of the Firm.

(E) SCOPE OF WORK:

Design, Supply, Installation, Testing & Commissioning of Audio-Visual System in the Conference Hall at GM Office of LTPS, APGCL, Maibella.

PART-1: AUDIO SYSTEM:

The Audio-System must comprise of the following items of reputed **brand/make, for instance Ahuja or equivalent:**

The audio system should facilitate smooth conduct of meetings by providing required level of intelligible sound reinforcement and the system should be designed to handle wide variety of conference applications in the Conference Hall.

The bidder must provide detailed technical specifications for each item of the audio system and the specifications should either match with those of the Ahuja models for individual items as mentioned below in the table or any equivalent specification of other make. The specifications of the Ahuja models as mentioned in the table are base line specification/model for evaluation and bidder can furnish their specification based on these specifications as minimum standard requirement.

SUPPLY PART:

| SN | Items | Qty |
|----|---|---------|
| 1. | Chairman Unit: Make: Ahuja. Model: CMC5100/Equivalent | 01 nos. |
| 2. | Delegate unit: Make: Ahuja. Model: CMD-5200/Equivalent | 22 nos. |
| 3. | Central Amplifier: Make: Ahuja. Model: CMA5400./Equivalent | 01 no. |
| 4. | Speaker: Make: Ahuja. Model: SMX-302/302T/Equivalent | 02 nos. |
| 5. | Wireless Microphone with Receiver Unit. Make: Ahuja. Model: AWM-520VHL/Equivalent | 01 set |
| 6. | Cables & Connectors/Accessories | 01 job. |
| 7. | Mobile Jammer | 01 no. |

PART 2: VIDEO SYSTEM:

The video system shall have to comprise of the following items of reputed brand/make, for instance, Samsung or equivalent make. **The bidder must provide detailed technical specifications for each item of the video system and the specification of LFDs & LED should either match with those of the Samsung models as mentioned below in the table or any equivalent specification of other make.**

SUPPLY PART:

| S.N | Items | Qty |
|-----|--|-------------|
| 1. | 55" Full HD Large Format Display: Make: Samsung. Model: DH55E or equivalent | 03 nos. |
| 2. | 28" Full HD LED TV. Make: Samsung. Model: 28F4100 or equivalent | 01 no. |
| 3. | HDMI Splitter & Switch (as per requirement) | 01 no. each |
| 4. | Good quality Table face plate (Grommet) with HDMI, Ethernet & Power Socket (01 no. each) | 03 nos. |
| 5. | 3+4 core VGA Cable | At Actual |
| 6. | HDMI cables | At Actual |
| 7. | Other cables & connectors etc. (if required) | 01 job |
| 8. | Fully compatible VGA to HDMI converter adapter | 02 nos. |
| 9. | Internet Ethernet cable (02 mts.) with ends RJ connector. | 06 nos. |
| 10. | Wi-Fi Router (make: D-Link/equivalent) | 01 no. |

PART 3: WORK PART:

Installation, Testing & Commissioning of the entire **Audio-Video System** in the Conference Hall at LTPS, Maibella.

- (i) All items & accessories of the audio video system shall have to be installed by the Contractor in full for smooth function and decent look of the conference room.
- (ii) **Audio:** The Microphones, Central Amplifiers, Speakers, etc are to be installed as per standard of conference hall audio system and suitable for the site condition. All connecting cables are to be laid suitably in concealed manner beneath the conference table.
- (iii) **Video:** 03 nos. 55" LFDs are to be fitted & installed on the left, right and back side walls of the conference room. The installation should have projection from the wall and preferably to have tilting facility in the fixture.
 - 01 no. 28" LED TV shall be installed in front of the Chairman Unit near the conference table U-edge with the aid of suitable fixtures from floor.
- (iv) 01 no. grommet each is to be installed on each arm of the U-shaped conference table for 11+11=22 delegates and 01 no. grommet at the curved end of the table for chairperson. Total 03 nos. grommet to be installed.
- (v) From each grommet the following connectivity are required to be established:
 - a. HDMI connectivity is to be thrown to 04 nos. display units.
 - b. Electrical power supply Connection.
 - c. Ethernet connection to the existing modem for internet purpose.
- (vi) Installation of all other items related to the audio-video system.

Note:

The conference room table has a seating capacity of approximately **23 (twenty three)** and the room dimension is **12.5mX7.62m (LXB)**. The internal arrangement of the conference room has been detailed in the drawing enclosed with this bid document. Bidders are required to visit LTPS site on any working day before bid submission to take note regarding the site conditions for installation and fixing of various equipments of the Audio-Visual System, assessment of actual requirements/lengths of cables, connectors, etc. Bidder can also participate in the pre-bid meeting to be held at LTPS on the date specified in the Tender Notice regarding the above.

All the installations, mountings and fittings related to the audio-video system shall be at bidder's scope and the same should be proper and comfortable for both audio & visual purpose. Also, any adjustment/fine tuning that might be required for proper functioning of the audio-visual system shall be at bidder's scope in full.

Any other items apart from the above mentioned that may be required for successful installation and commissioning of the Audio-Video System shall be quoted by the bidder in the tender & shall have to be included in the quoted rate. Accepting such additional items or modification if any from bid specification shall be solely at APGCL's discretion. **Bidder shall have full responsibility of proper functioning of both the systems as per items offered by them & must be acceptable to LTPS, APGCL.**

Work Completion: The entire work shall be considered completed subjected to full functioning of the entire audio-video system and to acceptance of LTPS, APGCL.

Starting of Work: The successful bidder is to furnish drawings/ specifications/ equipment orientation etc. within 01 week from the date of issue of order for approval purpose. The bidder shall have to obtain the **final** drawing/design approval from APGCL prior to start of work.

AMC:

APGCL may go for AMC of the Audio-Visual System and the bidder is to quote the AMC rate separately with a validity period of 02 years from the date of warranty/guarantee completion. The AMC rate will be considered during price evaluation. However, execution of AMC shall be at sole discretion of APGCL. The AMC shall have to include the following:

- i. Bi-monthly visit of service personnel for the warranty period on no cost basis.
- ii. On call visit of service personnel in addition to the bi-monthly visit with no cost basis.
- iii. During warranty period, parts to be replaced/repared free of cost. However, post warranty period, requirement of parts/material if any shall be on cost basis.

F. TERMS & CONDITIONS:

The bidder must adhere to all the below mentioned clauses of this tender document and also, the tender must be submitted as per instructions given in clause G(3) below, in the absence of which the submitted tender of the bidder may not be considered for evaluation at this end. The bidder must state clearly his acceptance of the clauses of this tender in the Performa given online. However, in case of deviation of any tender clause by the bidder, the same must be stated in the same performa.

In case the bidder fails to state the deviation(s) clearly in the Performa, it will be presumed that the bidder has accepted all terms and conditions of this tender document. Also, acceptance/rejection of bidder's deviation(s) shall be at sole discretion of the Undersigned/APGCL.

The clauses under the head-'Terms & Conditions' are given below:

1. Firm Price:

The basic price(s) quoted by the bidder shall be firm on delivery at LTPS basis without any variation in any way till completion of the work in full. The bidder must state all the taxes & duties, freight, etc., as applicable, clearly in the Price-Bid of the submitted tender.

2. Terms of Payment:

(a) 100% payment including all taxes and duties shall be made after successful completion of the entire work (i.e., both supply, installation, testing & commissioning of the system) at LTPS Conference Room to the full satisfaction of APGCL and subjected to fulfillment of Performance Bank Guarantee Clause of this tender (Clause-F:5)

(b) The bidder shall submit the bill in triplicate for payment.

3. Guarantee:

The entire work, i.e., both materials & workmanship, shall be guaranteed for a period of **36 months** from the date of successful commissioning in full. Free replacement of the material(s) and rectification of fault (if arises) shall have to be made for any defect/improper functioning of the system that may develop under normal use during the guarantee period. The fault rectification should be done within a reasonable time period as determined and directed by the Undersigned and/or as stipulated in AMC.

4. Work Completion Period:

The entire work, i.e., both supply and installation of the "A-V system" shall be completed within a period of **60 (sixty) days** from the date of drawing approval. The material(s) shall be delivered at LTPS site. Liquidated damage due to delay in work completion shall be levied as per the Liquidated Damage Clause of this tender.

5. Performance Bank Guarantee:

On receipt of the formal Order, the successful bidder shall have to furnish a Performance Bank Guarantee for an amount equivalent to 10% of the total order value including taxes and duties. The BG shall be released after expiry of the Guarantee period as mentioned in Clause 'F3'.

6. Liquidated Damage:

In case of delay in completion of the work in full beyond the work completion period as mentioned in clause 'F4', a penalty @1% (one percent) of the total order value for per week delay subjected to maximum of 10% (ten percent) of the total order value will be imposed upon the successful bidder. This is, however, subject to Force Majeure clause as given in "General Condition for Supply & Erection of APGCL". The payment of liquidated damage shall not in any way relieve the Contractor from any of its obligation to complete the work or from any other obligation and liabilities of the Contractor under the Contract.

7. Validity of the Offer:

The Offer shall be valid for a period of 160 (one hundred sixty days) from the date of opening of the technical bid.

8. Insurance:

Insurance of the supplied materials is mandatory and shall be done by the Contractor on APGCL's behalf and payment shall be made along with the payment for the supply part.

9. Packing:

The dispatched materials shall be packed suitably by the Contractor to withstand any rough handling to evade damage during transit.

10. Mandatory documents:

The bidder must **upload the scanned copies** of the following mentioned documents along with the technical part of the submitted tender without which the submitted tender may not be considered for evaluation at this end:

- a. Signed & sealed copy of LTPS, APGCL Tender Document.
- b. Copy of PAN Card.
- c. Copy of valid Sales Tax and Service Tax Registration Certificates of the bidder's Firm.
- d. Documents related to bidder's eligibility and past experience as per clauses C & D of this document.

- e. Documents related to bidder's Firm: Certificate of registration of the Firm (in case of Solo Proprietor)/ Partnership Deed (in case of LLP)/ Certificate of Incorporation' together with Memorandum / Articles of Association (in case of Company), whichever is applicable.

11. Clarification and Additional Information:

During submitted bid's evaluation, APGCL may request bidder for any clarification on the submitted bid and/or documents related to the tender. Bidder shall submit the sought clarifications and/or document(s) within stipulated time period as determined by the undersigned. However, seeking clarification and document(s) during post-bid evaluation shall be on sole discretion of APGCL.

12. Tender fee & Earnest Money Deposit (EMD):

The bidder must submit the requisite tender fee and EMD. Bid received without requisite tender fee and EMD will be rejected.

The tender fee must be paid in the shape of Demand Draft duly pledged in favour of the **Asstt. Manager (Accts.), LTPS, APGCL, Maibella-785689.**

EMD of Rs. 16,000/- (Rupees sixteen thousand only) in the shape of Demand Draft in original of any Nationalized Bank shall be submitted as Earnest Money, duly pledged in favour of the **Asstt. Manager (Accts.), LTPS, APGCL.** APGCL will refund the Earnest Money of the unsuccessful bidders directly to the bidders within a reasonable period of time without any interest.

The scanned copies of the above mentioned demand drafts must be uploaded along with the technical bid and original copies of the same must be received at this end before opening of the technical bid.

Address to which demand drafts are to be sent (by Speed Post/Courier (**DTDC, Sonari** only)/Regd. Post/By Hand, etc):

**The General Manager,
Lakwa Thermal Power Station, APGCL, Maibella.
P.O.- Suffry, Dist: Charaideo, Assam, PIN: 785689
Phone: 03772-254322/ 9435358427**

13. Technical Literature & Design:

- The bidder must upload technical literature of their offered product along with the technical part of the submitted tender. The technical literature/manual must contain detailed technical specifications and description of the offered product(s). Bid received without technical literature/manual are liable for rejection.
- The bidder must upload the proposed **drawing & design layout** of the Audio-Visual System to be implemented in the conference hall at LTPS, Maibella along with the technical bid. The design must be suitable for the audio visual application/use in the conference hall with optimum performance level.

14. OWNER'S RIGHT TO ACCEPT OR REJECT A BID:

APGCL reserves the right to accept a bid other than the lowest and to accept or reject any bid in whole or part, or to reject all bids with or without notice or reasons. Such decisions by APGCL shall bear no liability whatsoever consequence upon such decisions.

15. Award of Supply:

- The bidder whose bid is accepted by APGCL shall be issued formal Work Order prior to expiry of bid validity. Bidder shall confirm acceptance by returning a signed copy of the Order within 07 (Seven) days from the date of issue of formal Work order.
- APGCL shall not be obliged to furnish any information / clarification / explanation to the unsuccessful bidders as regards of non-acceptance of their bids. Except for refund of EMD (without interest) to unsuccessful bidder, APGCL shall correspond only with the successful bidder.

16. Arbitration Clause:

All disputes or differences whatever so arising between the parties out of or relating to this Order shall be settled by arbitration as per clause 33.00 of "General Conditions for Supply and Erection of APGCL". The venue of arbitration shall be at Guwahati.

17. Jurisdiction:

Subject to arbitration clause, all questions, disputes of differences arising under or in connection with the contract shall be subject to the exclusive jurisdiction of Courts of Guwahati.

(F) GENERAL INSTRUCTIONS TO BIDDER:

1. The tender document has to be downloaded from <https://apgcl.etenders.in> and also from the APGCL's website (www.apgcl.org) and the tender fee has to be submitted along with the Technical Bid in the shape of Demand Draft duly pledged in favour of the **Asstt. Manager (Accts.), LTPS, APGCL**, Maibella. Bidder shall upload the scanned tender document duly signed and stamped on each page of tender in token of his acceptance along with his bid and also scanned copies of all requisite documents.

Technical and Price bids shall be submitted electronically/ online only.

2. The bid shall be completed in two bid system as directed below:

Technical & un-priced commercial part – Technical bid.

Priced commercial part – Price bid.

a. Technical and Un-priced Part – Technical Bid:

This part shall contain technical and commercial (Un-priced) bid and shall have to contain the following mentioned documents has to be uploaded,

- Signed and sealed copy of LTPS, APGCL Tender document and Earnest Money Deposit (EMD) in original and its details.
- Power of Attorney in favor of authorized signatory of the Bidding document.
- Technical and Commercial part of bidder's Offer.
- All requisite documents as per Clause 'F' of this tender document.
- Any other relevant document as required for this tender.
- **Techno-commercial bid disclosing price shall be summarily rejected.**

b. Priced Part – Price Bid:

Priced part shall contain "**Offered Price**" duly filled shall be submitted online only. Priced part shall have to include all taxes and duties, F&I, etc. as per Clause F1 of this tender document. No stipulation, deviation, terms and conditions, presumption, etc shall be stated in priced part of bid. APGCL shall not take cognizance of any such statement and may at their discretion reject such price bids. **Also, price quoted by the bidder must be in INR. Bidder must fi**

3. Submission of Bid:

Technical & Un-priced and Priced part must be submitted in online mode only along with scanned supporting documents (**suggested scan in 150 dpi pdf**). The Bidder will be required to encrypt & sign its online bid using own Digital Signature Certificate (Class- II or higher with both Signing and Encryption Certificates). Prospective Bidders must procure DSC before participating in the tenders.

4. Date and Time of Submission:

Bid must be submitted by the due date and time mentioned in the Notice Inviting Tender or any extension thereof as duly notified in writing by APGCL.

5. Pre-Bid Discussion:

During pre bid discussion, Techno-commercial discretions with bidder shall be arranged. If needed, bidder shall depute authorized representative(s) for attending the discussion. The representative(s) attending the discussions shall produce authorization from the organization to attend the discussions and sign the minutes on behalf of the organization. The authorized representative(s) must be competent and empowered to settle all technical and commercial issues. **On the basis of pre bid discussion, specification(s) may be changed which will be intimated to all the participating bidders.**

6. BID Opening:**a) Opening of Techno-commercial & Un-priced Part of Bid:**

- i) On the date and time mentioned in 'Notice Inviting Tender', the Technical and Un-priced Commercial Part will be opened in the office

- of the General Manager, LTPS, APGCL, Maibella, P.O.-Suffry, Dist. Sivasagar, Assam, Pin-785 689.
- ii) In the event the specified date of bid opening is declared a holiday for APGCL,/ untoward bandh, the bid shall be opened on the next working day at the specified time and location.
 - iii) **Bid of the bidder who submits the required EMD shall be taken up for detailed evaluation.**
- b) Opening of Priced part of the Bid:
Price Part of submitted tender will be opened of only those bidders whose bids are considered **Techno-commercially acceptable**.
7. BID Evaluation Criteria:
- a) Techno-commercial Part:
 - i) The Techno-commercial Part of bid shall be evaluated as per clauses stipulated in this tender document and as per instructions laid down in the document "General Instruction for Supply and Erection of APGCL".
The bid must be accompanied with EMD as specified in the tender.
 - ii) Bidders must ensure that complete bid along with all details as sought are submitted as per requirements of this tender document.
 - b) Price Part:
The quoted price inclusive of all components as referred in clause-F(1) shall be considered during price bid evaluation. The bidder must clearly specify all taxes & duties levied in the absence of which the same shall be at bidder's scope.
8. Bidder must fill-up and upload the "Proforma" attached with this tender document along with the signed copy of the APGCL tender document in the technical part of the submitted bid.
9. Consignee:
The Asstt. General Manager (Material Management),
Lakwa Thermal Power Station,
Assam Power Generation Corporation Ltd,
Maibella, P.O. Suffry-785 689,
Dist. Charaideo, Assam,
Ph: 03772 - 254322.
Email: gm-ltps@apgcl.com

The undersigned reserves the right to accept or reject any or all of the bids without assigning any reason thereof. He is not bound to accept the lowest rate also.

- Encl. 1. Proforma & Price-Bid
2. Conference Hall internal Drawing.

**General Manager,
LTPS, APGCL, Maibella**