



**KERALA STATE
SCIENCE & TECHNOLOGY MUSEUM**

VIKAS BHAVAN. P.O, THIRUVANANTHAPURAM – 695033

KERALA, INDIA

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TENDER DOCUMENT (E-Tender)

**Supply, Installation, Testing and Commissioning of 3D
Theatre at Regional Science Centre, Chalakudy**

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1. NOTICE INVITING TENDER

Tender for the Supply, Installation, Testing and Commissioning of 3D Theatre at Regional Science Centre, Chalakudy, Thrissur Dist

TENDER NO: KSSTM/A2/165/19

E-Tenders under single cover system are invited by Director, Kerala State Science and Technology Museum, from reputed suppliers for the Supply, Installation, Testing and Commissioning of 3D Theatre at Regional Science Centre, Chalakudy. The bidders have to quote through online e-procurement portal of Government of Kerala, <https://etenders.kerala.gov.in>

Name of work: Supply, Installation, Testing and Commissioning of 3D Theatre at Regional Science Centre, Chalakudy, Thrissur Dist, Kerala

Probable Amount of Contract:	Rs.20,00,000/- (INR)
Period of completion:	30 days
Earnest Money Deposit:	Rs.50,000/- (INR)
Price of bid documents:	Rs 1500 + 18% GST (Rs. 1770/-)
Last date of submission of e-Tender:	3.00 PM on/.../2021
Date of opening of e-tender:	3.00 PM on .../.../2021
Firm period of the Tender:	120 days

Date: 31/12/2020

Director In Charge,
Kerala State Science & Technology Museum,
Thiruvananthapuram, Kerala, India

2. Performa for TENDERER

I. General Information

1) Name of the firm :

2) Address :

3) Contact person :

Phone :

Fax :

Email :

Cell Phone :

4) Place and year of incorporation of the firm :

5) Registration No. :

(Copy to be enclosed)

6) Constitution of the firm :

(Pvt.Ltd., Public, Proprietary),

7) Name & qualification of the Chief :

Executive of the firm

II. Organization Structure of the Firm

Chief of the Organization

a. Name :

b. Designation :

c. Address

d. Telephone :

Fax

Email

Cell Phone

e. Qualification :

f. Age :

III. A) Details of Top Technical Personnel to be provided as in II above.

B) Details of Field/Supervisory Staff to be provided as in II above.

IV Details of Projects handled

1. Details of completed project each

2. Details of ongoing projects each

V Financial Information

1) Permanent Account No. (IT) :

2) GST Registration No:

4) Whether any legal cases are pending against the firm for the last five years, Please furnish details.

3. INSTRUCTIONS TO TENDERERS AND GENERAL TERMS AND CONDITIONS

3 .1 Terms & Conditions for e-Procurement

This tender is an e-Tender and is being published online for the Supply Installation Testing and Commissioning of 3D Theatre at Regional Science Centre, Chalakudy. The tender is invited in single cover system from the registered and eligible firms through e-procurement portal of Government of Kerala (<https://www.etenders.kerala.gov.in>). Prospective bidders willing to participate in this tender shall necessarily register themselves with above mentioned e-procurement portal.

The tender timeline is available in the critical date section of this tender published in www.etenders.kerala.gov.in.

A). Online Bidder registration process:

Bidders should have a Class II or above Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Certifying Agency of India. Details of RAs will be available on www.cca.gov.in. Once, the DSC is obtained, bidders have to register on www.etenders.kerala.gov.in website for participating in this tender. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.

Bidders may contact e-Procurement support desk of Kerala State IT Mission over telephone at 0471-2577088/188/388 or 0484-2336006, 2332262 or 0497-2764788, 2764188 or 0483-273294 or through email: etendershelp@kerala.gov.in for assistance in this regard.

B). Online Tender Process:

The tender process shall consist of the following stages:

- i. **Downloading of tender document:** Tender document will be available for free download on www.etenders.kerala.gov.in. However, tender document fees shall be payable at the time of bid submission as stipulated in this tender document.

- ii. **Pre-bid meeting:** Party can visit the site anytime with prior intimation. No meeting scheduled.
- iii. **Publishing of Corrigendum:** All corrigenda shall be published on www.etenders.kerala.gov.in and shall not be available elsewhere.
- iv. **Bid submission:** Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document on www.etenders.kerala.gov.in. No manual submission of bid is allowed and manual bids shall not be accepted under any circumstances.
- v. **Opening of The Bid:** The bids will be opened and technically evaluated for the compliance of tender specifications. All the documents in support of technical qualifications shall be submitted (online). Failure to submit the documents online will attract disqualification. The bids of technically qualified bidders shall only be considered for financial evaluation.

C). Documents Comprising Bid: Single Cover

Qualification or Technical proposal shall contain the scanned copies of the following documents which every bidder has to upload:

- i) Scanned copy of the tender duly filled in as a token of acceptance of all tender conditions.
- ii) Technical details like Specifications of materials quoted make and model, Mode of execution, time chart, warranty details etc.
- iii) Proof of remittance of tender form fee and EMD
- iv) The financial bid in excel format (BOQ)

The Bidder shall complete the Price bid (BOQ in MS Excel format) as per format given for download along with this tender.

Note: The blank price bid should be downloaded and saved on bidder's computer without changing file-name otherwise price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.

RSC 3D Theatre Tender Document

Fixed price: Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/variable price quotation will be treated as non - responsive and rejected.

D). Tender Document Fees and Earnest Money Deposit (EMD)

The Bidder shall pay, a tender document fees of **Rs. 1500/- + 18% GST (ie, Rs. 1770/-)** and Earnest Money Deposit or Bid Security of **Rs. 50,000/-**. The Bid security is required to protect the purchaser against risk of Bidder's conduct, which would warrant the forfeiture of security.

Online Payment modes: The tender document fees and EMD can be paid in the following manner through e-Payment facility provided by the e-Procurement system:

- i. **State Bank of India (SBI) Internet Banking**: If a bidder has a SBI internet banking account, then, during the online bid submission process, bidder shall select SBI option and then select Internet banking option. The e-Procurement system will re-direct the bidder to SBI's internet banking page where he can enter his internet banking credentials and transfer the tender document and EMD amount.
- ii. **National Electronic Fund Transfer (NEFT)/ Real Time Gross Settlement (RTGS)**: If a bidder holds bank account in a different bank, then, during the online bid submission process, bidder shall select NEFT / RTGS option. An online remittance form would be generated, which the bidder can use for transferring amount through NEFT / RTGS either by using internet banking of his bank or visiting nearest branch of his bank. After obtaining the successful transaction receipt no., the bidder has to update the same in e-Procurement system for completing the process of bid submission. Bidder should only use the details given in the Remittance form for making a NEFT / RTGS payment otherwise payment would result in failure in e-Procurement system.

As NEFT payment status confirmation is not received by e-Procurement system on a real-time basis, bidders are advised to exercise NEFT mode of payment option at least 48 hours prior to the last date and time of bid submission to avoid any payment issues.

For RTGS the timings that the banks follow may vary depending on the customer timings of the bank branches and settlement from RBI. Bidders are advised to exercise RTGS mode of payment at least 24 hours prior to the last date and time of bid submission to avoid any payment issues.

NEFT / RTGS payment should done according to following guidelines:

- i. **Single transaction for remitting Tender document fee and EMD:** Bidder should ensure that tender document fees and EMD are remitted as one single transaction.
- ii. **Account number as per Remittance Form only:** Account no. entered during NEFT/RTGS remittance at any bank counter or during adding beneficiary account in Internet banking site should be the same as it appears in the remittance form generated for that particular bid by the e-Procurement system. Bidder should ensure that tender document fees and EMD are remitted only to the account number given in the Remittance form provided by e-Procurement system for that particular tender.

Bidders must ensure that the banker inputs the Account Number (which is case sensitive) as displayed in the Remittance form. No additional information like bidder name, company name, etc. should be entered in the account no. column along with account no. for NEFT / RTGS remittance.
- iii. **Only NEFT / RTGS Remittance Allowed:** Account to Account transfers, State Bank Group Transfers (GRPT), Payments from NRE Accounts, SWIFT Transfers, IMPS or Cash payments are not allowed and are treated as invalid mode of payments. Bidder must ensure that the banker does NEFT or RTGS (for above 2 lakhs payments as per RBI guidelines) transaction only and specially instruct the banks not to convert the payment type to GRPT or any other payment mode.
- iv. **Amount as per Remittance form:** Bidder should ensure that the amount being remitted is neither less nor higher than the amount shown in remittance form.
- v. **UTR Number:** Bidders should ensure that the remittance confirmation (UTR number) received after NEFT / RTGS transfer should be updated as it is, in the e-Procurement system for tracking the payment.
- vi. **One Remittance Form per Bidder and per Bid:** The remittance form provided by e-Procurement system shall be valid for that particular bidder and bid and should not be re-used for any other tender or bid or by any other bidder.

Any transaction charges levied while using any of the above modes of online payment has be borne by the bidder. The supplier/contractor's bid will be evaluated only if payment status against bidder is showing "Success" during bid opening.

E). SUBMISSION PROCESS:

For submission of bids, all interested bidders have to register online as explained above in this

document. After registration, bidders shall submit their Technical and Financial bids online on www.etenders.kerala.gov.in along with online payment of tender document fees and EMD.

For page by page instructions on bid submission process, please visit www.etenders.kerala.gov.in and click “Bidders Manual Kit” link on the home page.

It is necessary to click on “Freeze bid” link/ icon to complete the process of bid submission otherwise the bid will not get submitted online and the same shall not be available for viewing/ opening during bid opening process.

3 EMD/SECURITY DEPOSIT/RETENTION MONEY

3.2.1 E.M.D

EMD is for Bid Security. EMD IS Rs. **50,000/-**. This shall be remitted in line with the online payment feature stipulated.

E.M.D of the unsuccessful tenders will be refunded online automatically without any interest within 30 days from the date of opening of the tenders.

E.M.D may be forfeited.

- a. If a bidder withdraws his bid during the period of validity specified.
- b. If the successful bidder fails within the time limit to sign the contract document or fails to finish the required security deposit.

3.2.2 SECURITY DEPOSIT:

The successful tenderer shall deposit an amount equal to 5% of the awarded contract value towards Performance Security. This shall be furnished in the form of DD/Bank Guarantee from Nationalised Bank as per the format in the Annexure and should valid for the entire period of construction plus **defect liability period (Warranty Period) of 24 Months** from the date of commissioning and shall submit within one week of the award of the work.

E.M.D will be refunded to the contractor after remittance of the security deposit and execution of the agreement.

3.2.3 RETENTION MONEY

Retention amount will be 5% of the total value of the contract. The retention amount along with the Performance Security will be released after 24 months from the date of commissioning of the system. But the retention amount shall be released after successful commissioning of the system on production of Bank Guarantee for equivalent amount valid till the above said defect liability period.

3.2.4 INTEREST ON EMD

All the deposits of E.M.D, SECURITY DEPOSIT and RETENTION MONEY will not bear any interest whatsoever.

3 TAXES ON DEDUCTIONS

Income-tax and deductions at the rate prevailing at the time of payment will be deducted from each running bill and final bill.

3.4. STATUTORY PAYMENTS

All statutory payments in connection with the employment of the Workmen & Employees State Insurance for this work will be borne by the Contractor at the prevailing rates.

The contractor is the employer of all the workers engaged for this work and should therefore take all required registrations and pay premiums correctly to labour welfare fund/Employees State Insurance, PF, Cess Act 1996 etc. Statutory payments towards Labour Welfare Fund will be deducted.

The contractor will be responsible for the payment of minimum wages and compliance under the various enactments regarding the workers deployed by him.

GST on work (work contract tax) shall be deducted at the prevailing rates on the gross Payment, for contractors having registration. For those contractors without registration the deduction for work contract tax shall be as per K.G.S.T rules.

The deduction towards statutory deduction shall be changed if the government revises the rate. Any tax omitted, to be deducted in any part bill shall be deducted in the subsequent bills/final Bill.

3.5 PERIOD OF VALIDITY

The tender shall remain valid for acceptance for a period of 120 days from the date of submission of the tenders. If any tenderer withdraws his tender before the said period or makes any modification in terms and conditions of the tender, then the KSSTM has the liberty to forfeit the said Earnest Money Deposit.

3.6 PRE INSPECTION OF SITE

Every tender is expected to inspect the site of the proposed work and acquaint himself with the site conditions approaches, availability of raw materials, weather conditions etc, before quoting his rates. He must go through all the drawings, specifications and other tender documents. Any further clarifications in the drawings and documents can be had from the KSSTM address at the above mentioned address.

3.7 PROVISION FOR IMPROVISATIONS

Even though the contractor have to adhere with the technical specifications and the drawings, the work is not exempt in modifications and hence the party shall be bound to do necessary improvisations for the stability of the structure, its aesthetic appearance, usability and satisfaction of KKNPP/KSSTM higher officials. The contractor is bound to carry out necessary modifications in the exhibit cabinets in consultation with KSSTM with mutual understanding and agreed terms.

3.8 ALL INCLUSIVE RATE

The contractors rate must be firm and include the cost of transportation of materials to the site, all taxes such as GST, Excise and Octroi etc., and the fixing or placing in position for which the item of work is intended to operated. The rates quoted by the Contractor shall be throughout the contract period and there shall be no upward revision of the rates quoted by the contractor for any reason whatsoever.

In addition to the statutory deductions towards Income Tax, work contract tax and contribution towards Labour Welfare Fund shall be deducted on the state government at the current rates. However the rate of deduction towards work contract tax shall be changed if the government revises the rates. And also deductions shall be made towards any other tax imposed by the Government prior to the last date for submission of Tender. It should be clearly understood that any claims for Sale Tax, Excise duty, Construction tax or any other tax existing as on the last date for submission of Tender, shall not be entertained in any case what so ever once the tenders are opened. Also, any claim on account of variation in the rates of taxes prevailing as on the last date for submission of Tender, will not be considered.

3.9 SPECIFIC REQUIREMENTS AT SITE

- a) The installation site is the Regional Science Centre, Chalakudy, Thrissur Dist, Kerala
- b) The safety and security of men and material are completely under the scope of the Contractor.
- c) KSSTM will not provide any accommodation/transportation for the engineers/representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Contractor to make their own arrangements for transportation and accommodation.
- d) The tenderer/contractor shall keep all the drawings and other details submitted as part of the tender as **highly confidential** and should not be shared to public or unauthorised persons.

3.10 INTERPRETING SPECIFICATIONS

In interpreting the specifications, the following shall be followed:

- i. Technical specifications
- ii. Schedule of quantities
- iii. Special Conditions of Contract
- iv. Instructions to Tenderers & General Conditions of Contract

Matters not covered the specifications given in the contract as a whole shall be covered by the relevant Indian Standard Codes. If such codes on a particular subject have not been framed, the decision of the KSSTM shall be final.

3.11 PAYMENT TERMS

Following Payment terms shall follow.

1. 90% of payment after the successful completion of work and certification of the concerned officials from KSSTM .
2. Remaining 10% (including 5% retention and 5% security deposit) will be paid after completion of warranty period.

3.12 TENDER ACCEPTANCE

i) The acceptance of a tender shall rest with the Authorized Representative of the KSSTM who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all the tenders received without assigning any reason(s) whatsoever.

ii) The authorized representative of the “KSSTM” reserves the right of accepting the whole or any part of the tenders received and the tenderer shall be bound to the same at the rate quoted.

iii) No alterations shall be made by the tenderer in the Notice Inviting Tenders, Instructions to the contractors, Contract form, Conditions of the Contract, drawings and Specifications

and if any such alterations are made or any special conditions attached, the tender is liable to be rejected.

3.13 CONTRACTOR'S REPRESENTATIVE

The work shall be carried out under the direction and supervision of the Engineers/Officers from Kerala State Science and Technology Museum at site. On acceptance of the tender, the contractor shall intimate the name of his accredited representative who would be supervising the construction and would be responsible for taking instructions for carrying out the work.

3.14 DECISION ON QUALITY

The contractor should inspect the source of material, its quality, quantity and availability. The materials must strictly comply with the relevant IS specification.

The KSSTM's decision with regard to the quality of the material and workmanship will be final and binding, any material rejected by the KSSTM shall be immediately replaced by the contractor.

3.15 DEFECTS LIABILITY PERIOD (WARRANTY PERIOD):

Any defect developed within defect Liability Period/ Warranty Period of **24 months** from the date of commissioning will have to be rectified by the contractor at their own cost and in case the defects are not rectified by the contractor in time, The KSSTM or their representative shall get the work done at the risk and cost of the contractor.

3.16 PERIOD OF COMPLETION:

Time is the essence of the contract. The total work has to be completed within the time stipulated in the Notice Inviting Tender. Commencement of the work shall be considered from the next day on receipt of work order. The contractor shall draw a detailed schedule of programme in an approved format within two weeks of date of issue of work order and submit to KSSTM for their approval .

3.17 PENALTY FOR DELAY:

The work has to be completed and handed over within the stipulated time as per tender conditions. If the contractor fails to complete and hand over the works within the specified period, the penalty shall be charged at 0.5% of the contract amount per week of delay till it

is handed over or till the penalty reaches 5% of the contract amount, after which the KSSTM shall have the right to terminate the contract and the balance work will be arranged at the risk and cost of the contractor unless and until the period of completion is suitably extended by the KSSTM due to valid reasons.

3.18 CONTRACTOR'S STORE:

Suitable area near the site of work to the extent available shall be allotted to the contractor free of cost for storing his tools and plants, materials. He will be solely responsible for guarding his property and shall cover his property with requisite insurance against theft, fire, natural calamities etc.

3.19 INSPECTION FOR PAYMENT:

The payment shall be recommended after the inspection of the site by Officials from KSSTM, and the Contractor. Payment will be recommended based on the value of materials delivered at site and the value of work completed

3.20. RIGHT OF ACCEPTANCE AND TECHNICAL SCRUTINY:

The KSSTM shall have a right to cause a technical examination of the works by any of the persons or organizations as appointed by the KSSTM and all bill of the contractor including all supporting vouchers, abstracts etc., of all bills. If as a results of this examination or otherwise any sum found to have been over paid or over certified it shall be lawful for the KSSTM to recover the sum from any payment due to the contractor this works or any other work or works being carried out by the contractors elsewhere under the KSSTM.

The Director, Kerala State science & Technology Museum, Vikas Bhavan PO. Thiruvananthapuram -695033, Kerala,India reserves the right to accept any tender in full or in part or to reject the lowest or any or all tenders without assigning any reasons.

3.21. ABANDONMENT OF WORKS:

If at any time after the acceptance of the tender, the KSSTM shall, for any reasons whatsoever not required the whole or any part of the works to be carried out, the Engineer/Architect shall give notice in writing to the contractor who shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the whole works

3.22 RIGHT OF KSSTM TO TERMINATE CONTRACT

Without prejudice unto any of the rights or remedies under this contract, if the contractor, being an individual dies, the KSSTM shall have the option of terminating the contract without incurring any liability for such termination.

3.23 INSURANCE:

The successful contractor shall take necessary All Risk Insurance policies, jointly in the name of the KSSTM and the contractor and the original policy shall be deposited with the KSSTM.

This document will form part of the tender document and the agreement executed by the successful tenderer.

3.24 . ARBITRATION

In the case of any dispute or difference between the parties of the contract, entered into, either during or after the completion of the work or after termination, abandonment or breach of contract or as to the interpretation of the provisions of the contract or as to any matter of thing arising there under except as to any matter left to the discretion of Kerala State Science and Technology Museum under the clauses of contract, such dispute or difference shall be referred to the Principal secretary, Higher Education Department, Govt of Kerala. If not settled, the matter may be referred to the Civil Courts of Thiruvananthapuram and the jurisdiction of such matters will be confined to the competent Courts and forum in Thiruvananthapuram only.

I/We hereby declare that I/We have read and understood the above instructions and the terms and conditions mentioned above are binding on me/us.

Place:

Date :

SIGNATURE OF THE TENDERER

4. Technical Specification for 3D Theatre

Supply, Installation, Testing and commissioning of 3D Theatre at Regional Science Centre, Chalakudy with following components complete.

SI No	Particulars	Specification	Quantity
1	Projector with suitable lens	Technology: 3D ready DLP or LCD Brightness : Atleast 8000 ANSI lumens Refresh rate : 120 Hz or more Light source : Laser Phosphor Lamp life : 20000 hours or more Resolution: WUXGA (1920x1200) or more Projection Distance : 1.0 m to 10.0 m OEM: Panasonic/Sony/Christie or equivalent brands preferred	1 No
2	3D Modulator	3D modulator for Passive silver screen 3D projection	1 No
3	Sound System (Professional 5.1 Audio system consists of six channels (Front left & right, Rear left & right and center) and a subwoofer system.	Front channel speakers : Power not less than 120W RMS (Wall mounting)	3 Nos
		Subwoofer : Power not less than 500W RMS	1 No
		Side and Rear speakers: Power not less than 60 W RMS (Wall mounting)	6 Nos
		Suitable decoders, pre and power amplifiers for driving the full audio system OEM: JBL, SONY, BOSE, PHILIPS or equivalent brands preferred	1 Unit
4	Video Streamer	4K HDR Ready 3D video streamer Storage : 1 TB or more Codec Support: Xvid/DivX/ASF/AVI/MKV/MOV/M2TS/MPEG-TS/MP4/WEB-M	1
5	De polarisation screen	High gain depolarisation screen, 215 Inches diagonal (approximately) High quality 3D fabric with necessary GI supporting frame. Aspect ratio: 16:9	1 No
6	Passive Polarisation Spectacles	Good quality 3D spectacles(folding type)	200 Nos
7	Required connectors and Cabling works	Works including, fixing of projectors, speaker mounting, necessary cabling (HDMI cables and connectors), Speaker wiring with 1.5 sqmm wires	As required

Director In Charge
