

**KERALA STATE
SCIENCE AND TECHNOLOGY MUSEUM AND
PRIYADARSINI PLANETARIUM**

Vikas bhavan.P.O, Thiruvananthapuram-695 033

Phone : 0471 – 2306024 Fax- 0471-2304286

(A government of Kerala Undertaking)



**Tender for Random Rubble masonry work at the evolution
park at KSSTM**

Name and address of the Tenderer:

.....

.....

Last date and time of submission

of tender : 08.02.2012, 3 PM

Date and time of opening of tender : 08.02.2012, 4.30 PM

Probable amount of contract : Rs. 1,40,000/-

Time of completion : 21 days.

Earnest Money Deposit : Rs. 3,500/-

Cost of Tender Documents : Rs. 400/- + S.T

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Vikas bhavan.P.O, Thiruvananthapuram-695 033
Phone : 0471 – 2306024,2306976,2304286 Fax- 0471-2304286
(A Government of Kerala Undertaking)

Tender no: E/827/10/KSSTM

19/01/2012

Notice inviting tenders

Sealed tenders are invited from contractors having sufficient experience in executing similar works for “Random Rubble masonry work at the evolution park” at the campus of KSSTM. Tender forms and other details can be had from the office of the undersigned during working hours till 1 pm on 08/02/2012 on payment of Rs. 400/- plus ST. Filled up tenders, accompanied with an EMD of Rs. 3,500/- in the form of DD drawn in favour of the undersigned, payable at Trivandrum will be accepted till 3 pm on 08/02/2012 and will be opened at 4.30 pm on the same day. Tender forms can also be downloaded from the web site www.kstmuseum.com, in which case the cost of tender form should be submitted along with the tender as separate demand draft, drawn in favour of the undersigned.

Director
Kerala State Science & Technology Museum,
Vikas Bhavan PO,
Thiruvananthapuram 33,
Ph: 2306024.

FORM OF TENDER

From

.....
.....
.....
.....
.....

To

DIRECTOR
Kerala State Science and
Technology Museum
Vikasbhavan P.O.
Thiruvananthapuram.

Sir,

Having examined the specifications and tender schedule, schedule of work & drawings, and having acquired the requisite information relating to the tender in all respects, I/We
.....
hereby offer to execute the work as specified in this tender at the rates mentioned in the schedule of work attached in accordance with the specifications, conditions of the tender, the articles of the agreements and such other materials as may be prescribed from time to time.

Should this tender be accepted, I/We.....
.....
hereby agree to abide by and fulfill the terms and provisions of the said conditions of contract annexed hereto so far as they may be applicable or in default thereof to forfeit the E.M.D. and pay the Kerala State Science and Technology Museum, the amount mentioned in the said conditions.

I/we.....
..... have deposited a sum Rs. 3,500/- (Rupees Three thousand five hundred only) as EMD in the form of crossed demand draft in favour of the Director, Kerala State Science and Technology Museum, payable at Thiruvananthapuram. Should I/We fail to execute the agreement when called upon to do so, or to commence work as provided in the conditions, I/we do hereby agree that the Museum shall without prejudice to any right or remedy be at liberty to forfeit the EMD absolutely and also recover from me /us the entire loss that may be caused to the Museum by retender arrangement of the work otherwise, under the provisions of Revenue Recovery Act or otherwise.

I/we agree that arbitration shall not be a means of settlement of any dispute or claim arising out of this contract.

Signature of the tenderer

Full Name and address:

Details of EMD:

DD No. dt..... for Rs. drawn on
.....

Instructions and General Conditions

Kerala State Science and Technology Museum is an Autonomous Organisation, registered under Charitable Societies Act 1955, established by the Govt. of Kerala for popularizing Science education to various sections of the society. This Museum is governed by a Governing Body chaired by the Hon'ble Minister for Education.

1. Submission of tender

Tender shall be submitted in sealed covers super scribing the name of the tender as Tender No. E/827/10/KSSTM - "Random Rubble masonry work at the evolution park" at the campus of KSSTM and shall contain the following.

- (a) Complete set of Tender documents as issued by the Museum together with addenda/corrigenda if any, filled in and signed by the tenderer, with address stamps/seals wherever stipulated.
- (b) Earnest money deposit of Rs3,500/- (Rupees Three thousand five hundred only) in the form of crossed demand draft drawn in favour of the Director, Kerala State Science and Technology Museum, Thiruvananthapuram payable at Thiruvananthapuram.

The offer shall be valid for a period of 30 days from the date of opening of the tender. Tender not accompanied by the E.M.D. shall be rejected as non- responsive.

2. Acceptance / Rejection of tenders

The tenders submitted after the stipulated time of submission shall be rejected. The tenders not submitted in the prescribed forms, not duly signed at the places marked, incomplete/torn off tender forms etc. shall be rejected. The Director, Kerala State Science and Technology Museum, Thiruvananthapuram reserves the right to accept or reject any of the tenders without assigning any reasons thereof. Becoming the lowest offered party does not entitle a tender to award the work. Apart from cost, quality of the product, durability, track record of the product etc will also be considered for awarding the supply.

3. Place of work and time of completion.

The scope of the work covered by this tender is limited to construction of Random Rubble masonry wall as per drawings and directions of the EIC at the evolution park of this Museum. The tenderer is advised to visit the site before quoting for the work. Time of completion shall be 21 days from the date of award of the work.

4. Agreement for the work.

Within 7 days of receipt of the letter of indent, the awarded contractor has to execute an agreement with the Museum for the due fulfillment of the contract in the prescribed format, with a security deposit of 5% of the contract value (along with the EMD already submitted) in the form of Demand Draft, in favour of the Director, KSSTM, payable at Trivandrum.

5. Guarantee period.

The materials and workmanship covered by this tender shall be guaranteed for a period of 6 months from the date of completion of the work. Any defects found during this period due to usage of inferior quality of material or bad workmanship shall be rectified/replaced by the contractor free of cost to the Museum. If the contractor fails to rectify the defects in a reasonable period of time (two weeks), the Director shall have the right to arrange rectification by other means, meeting the expenses from the security deposit of the contractor. The security will be released after successful completion of the guarantee period, after adjusting liabilities if any.

6. Withdrawals of the offer after it is accepted or failure to arrange the work within a specified time or according to specifications will entail cancellation of the order and work being made at the offers expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event the Museum reserve the right to remove the defaulter's name from the list of Museum suppliers permanently or for a specified number of years.

7. Samples of the items should be forwarded, if called for, to Kerala State Science and Technology Museum, Thiruvananthapuram and unapproved samples got back as

early as possible by the contractors at their own expenses, and the Museum will in no case be liable for any expenses on amount of the value of the samples or their transport charges etc. Tenders for the supply of materials are liable to be rejected unless the samples, if called for, of the materials are duly forwarded. The approved samples may not be returned normally and the returning of the same shall be at the full discretion of the Director. Samples sent by V.P.Post or “Freight to pay” will not be accepted.

8. The rates quoted shall be firm for a period of 30 days from the date of opening of the tender. Rates offered shall be inclusive of all taxes & duties in force. The quantities mentioned in the schedule of works are indicative, and payments will be made on actual measurements as per agreed rates. No claim, whatsoever, will be entertained due to variation of quantities. No representation for enhancement of price once accepted will be considered during the currency of the contract.

9. Any attempt on the part of tenderers or their agents to influence the officers concerned into their favour by personal canvassing will disqualify the tender.

10. Payment terms

- a. 95% payment, as per actual joint measurements and approved rates, will be paid on certification of the Engineer in charge. 5 % will be retained from the bill towards performance guarantee, and this will form part of the security deposit remitted with the agreement for the work.
- b. Security deposit will be released on successful completion of the defect liability period as per clause 5 above, after adjusting liabilities if any, on certification of the Engineer in charge.
- c. Special conditions, if any, printed on the tender sheets by the tenderer or attached with the tender will not be applicable to the tender unless they are expressly accepted in writing by the Director, KSSTM.

Technical Specifications:

Unless otherwise specified, rates quoted for all items shall include the following:

Earthwork & foundation:

- ❖ Setting out works to profile. etc
- ❖ Site clearance such as clearing of shrubs and growth, roots and small trees etc.,
- ❖ Cost of all material and labour
- ❖ Getting out the excavated earth to a location which is atleast one metre or 1/3 depth of excavation (whichever is greater) away from the edge of excavation
- ❖ Disposing excavated spoils wherever required at site as directed and dressing to proper level & grade as required
- ❖ Trimming all sides plumb or otherwise as instructed at site, levelling all bottoms, clearing out all loose earth etc
- ❖ Filling back with selected good earth the sides of foundations and footings, watering and consolidation
- ❖ Dismantling, removing & stacking as directed existing water and/or soil pipes encountered during excavation
- ❖ Double handling of excavated earth where the place of deposit of excavated earth has been defined in the first instance
- ❖ Safety measures for labour/materials/equipment/works
- ❖ Depth of excavation will be measured from the levelled surface and no extra claim will be entertained for additional lead and lift.

Plain cement concrete/Reinforced cement concrete

- ❖ All materials, labour & all formwork, scaffolding, moulds, centering and shuttering, the shuttering materials being steel, timber or plywood as directed.
- ❖ Mixing of concrete done using concrete mixers and consolidation using mechanical needle vibrators.
- ❖ Mixing, laying, vibrating and well compacting and finishing.
- ❖ Adequate protection to edges and corners from damage during construction.
- ❖ Work either straight, curved, plain or tapered.

- ❖ Curing for twenty one days
- ❖ All leads and lifts.
- ❖ Placing in position rigidly, any inserts/bolts/pipe sleeves etc as directed .
- ❖ Machine crushed coarse aggregate shall be of hard broken granite of sizes specified
- ❖ Ponding to be done for retention of water for curing, wherever it is not feasible, members to be covered with hessian cloth during curing.
- ❖ Minimum cement content for M15, M20 & M 25 Grade of cement concrete should be 290 kg,320kg & 350kg/cum respectively.

Masonry works.

- ❖ Best quality locally available well-burnt country burnt bricks with prior approval only shall be used for construction. (Minimum compressive strength of bricks should be 35kg/sq.cm
- ❖ All scaffolding, ladders, platforms, staging, tools and plants required in the execution of work to any height and depth
- ❖ Hacking of concrete surface in contact with masonry for bondage
- ❖ Racking out joints for plastering or pointing done as a separate process or finishing joints flush as work proceeds.
- ❖ Leveling up and preparing top of masonry for damp proof course
- ❖ Building in holdfasts and such other inserts
- ❖ Curing for fourteen days
- ❖ Work at all levels, and all works curved or straight
- ❖ Soaking of bricks and concrete blocks in water for minimum 12 hrs.
- ❖ Leaving holes for pipes or similar items
- ❖ Building in ends of beams, joints , slabs lintels, sills, etc

Commercial:

- ❖ Rates quoted shall be inclusive of all taxes and duties currently in force, and shall be firm during the course of the work. Escalation, on any ground, will not be considered during the course of work or after completion.
- ❖ Extra items, if found essential during the course of work, shall be executed on mutually agreed rates.

- ❖ Quantities mentioned in the schedule of works is approximate. The contractor shall execute the required quantities as per actual requirements and directions of the Engineer in charge, and no claim for variation in rates shall be considered due to variation in quantities.
- ❖ Adequate security provisions shall be arranged by the contractor, and the Museum will not have any responsibilities for the safety of men and materials involved in the work during the course of the work.

Schedule of work:

Name of work: Random Rubble masonry work for the evolution park

No	Item	Unit	Qty	Rate	Amount
1	Earthwork excavation in all classes of soil for foundation of the RR wall, back filling where ever necessary, and depositing the spoil within an initial lead of 50 m etc. complete.	Cu.m	25		
2	Random Rubble masonry in CM 1:6 for foundation and superstructure of retaining/kerb wall, including simultaneous pointing of the joints, watering, curing etc. complete at all levels	Cu.m	50		
3	Plastering with cement mortar 1:5 neatly to line & levels, watering, curing etc. complete	Sq.m	30		
	Total:				

Undertaking.

I/We hereby undertake to execute the works at the above rates within the prescribed time of completion, as per the terms & conditions of the tender. Should I/we fail to fulfill the commitment, I/we hereby undertake to make good the losses to Kerala State Science & Technology Museum.

Name & Address of the tenderer:

Signature:

Place & date:

Contractor

Director