

**Central Soil Salinity Research Institute****Regional Research Station****Canning Town, South 24 Parganas****West Bengal-743 329 (INDIA)****Tender Enquiry No. : CSSRI/Cng/12(2)/ 11-12/****Date:31.1.12****INVITATION OF QUOTATIONS FOR CONSTRUCTION OF TRANSFORMER ROOM**

(Dimension of Room: Length 13 m, Breadth 5 m, Height 4m)

Sealed quotations are invited for the above mentioned work in the Office under the **Terms & Conditions** mentioned below as per under mentioned specifications

**Total Budget : Rs. 420628 (apx.)**

Sl. No	** Description of work	Amount of Work
1.	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas (exceeding 30 cm in depth 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth. Lead up to 50m and lift upto 1.5 m. disposed earth to leveled and neatly dressed. All kinds of soil. For wall : $(13X2 + 5X3)X 1X 0.60 = 24.60$ Cum.	24.60 Cum
2	Dry brick on edge flooring with bricks of specified class on a bed of 12 mm mud mortar including filling joints with Jamuna sand (with F.P.S. bricks) : For wall : $(13X2 + 5X3) X 0.60 = 24.60$ sqm	24.60 Cum
3.	Providing & laying damp proof course in the roof 50 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate of 12.5mm nominal size) $(13X2 + 5X3) X 0.60 = 24.60$ sqm	24.60 Cum
4.	Brick work with F.P.S. brick of class designation 75 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand), Wall : $0.15 x (0.76+0.63 +0.51+0.38+0.25)x(13X2+5X3)=15.56$ cum	15.56 cum
5.	Filling available excavated earth (including rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering lead up to 50m and lift up to 1.5m. Wall : $24.60(\text{cutting soil vol}) - 15.56(\text{brick vol in foundation})=8.04$ cum	8.04 cum
6.	Brick work with F.P.S. brick of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:4 (1 cement : 4 coarse sand). Wall : $41X0.254X3.65=38.01$ cum	38.01 cum
7.	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centering, shuttering, finishing & reinforcement. 1:2:4 (1 Cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) Lintel : $36 X 0.254 x 0.153 = 1.40$ sqm. Beam : $15 x 0.254 X 0.203 = 0.78$ sqm. Chajja: $2 X 0.46 x 0.076 X 3 = 0.21$ sqm. Roof : $13X5X0.10 = 6.50$ sqm. <hr/> Total = 8.89 m <sup>3</sup>	8.89 m <sup>3</sup>
8.	<b>STEEL REINFORCEMENT:</b> Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Cold Twisted Bars Beam, lintel, Roof & chajja: $8.89 \text{ m}^3 \times 1\% \times 78.5$ <hr/> Total = 697.87 kg	697.87 kg
9.	Centering, Shuttering including strutting, propping etc. & removal of form Beam& lintel: $2 X 0.23 X 15 + 2 X 0.18 X 41 = 21.66$ m <sup>2</sup> Chajja: $2.25 x 0.60 X 3 = 4.05$ m <sup>2</sup> Roof: $13 X 5 = 65.00$ m <sup>2</sup>	65.00 m <sup>2</sup>
10.	15 mm cement plaster on the rough side of single or half brick wall of Mix : 1:6 (1 cement : 6 fine sand) Exterior wall: $(13+5)X2X3.7= 133.20\text{m}^2$ & Interior wall & ceiling: $(13X2+5X4)X3.7+13X5= 235.20\text{m}^2$ Total 368.40 sqm.	368.40 sqm

11.	Cement Plaster with a floating coat of neat cement: 15 mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1 cement:4 coarse sand):Exterior wall : (13+5)X2X0.3=0.80 Sqm. Interior Wall & Ceiling: (13 X2 +5 X4) X0.3 =13.80 sqm. Total 24.60 sqm.	24.60 sqm
12.	Cement concrete flooring 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size of stone aggregate Area :12.50 x 4.5=56.25 sqm	56.25 sqm
13.	Finishing walls with acrylic smooth exterior paint of required shade, two or more coats applied @ 1.67 ltr/10 sqm. Over & including base coat of water proofing cement paint applied @ 2.2 kg/10 m <sup>2</sup> . Total area of external wall is 135.20 sqm.	135.20 sqm
14.	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including priming coat with cement primer Area of internal wall : 235.20 sqm	235.20 sqm
15.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position : Sal wood Door: [(2+2+1)X0.1x0.075] X2 =0.075 cum Window: (1.2+1.8)x2x3X0.45X0.45 = 0.0365 cum : Total 0.1115 m <sup>3</sup>	0.1115 m <sup>3</sup>
16.	Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick Kiln seasoned and chemically treated hollock wood: Door (2X1) X2 =4 m <sup>2</sup> : Window 3X2X1.25= 7.50 m <sup>2</sup> Total: 11.5 m <sup>2</sup>	11.5 m <sup>2</sup>
17.	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings / wooden frames with rawl plugs etc. 3 No. Grills = 2 X 1.25 X 3=7.5 sqm = 100 Kg.	100 Kg
18.	Applying priming coat with ready mix pink or grey primer of approved brand and manufacture on wood work (hard & soft wood) 2.1 X 1 X2 (no.) X 2 (sides) = 8.4 m <sup>2</sup> + 7.5 m <sup>2</sup> =15.9 m <sup>2</sup>	15.9 m <sup>2</sup>
19.	Painting of Window: Providing & applying of two coats of fire retardant paint unthinned on clean woody/ply surface @ 3.5 sq.m. per litre per coat including preparation of base surface as per recommendation of manufacturer to make the surface fire retardant 2X1.2X3(no.)X2sides= 7.20 sqm.	7.20 sqm
20	Finished with Epoxy paint (two or more coats) at all locations prepared & applied as per manufacturer's specifications including appropriate priming coat, preparation of surface etc. complete on Steel work (2X1.25X3)=7.5 m <sup>2</sup>	7.5 m <sup>2</sup>

**\*\* All the goods/supplies should of ISI mark or equivalent quality of reputed manufacturer**

**TERMS & CONDITIONS FOR SUBMITTING QUOTATION AND EXECUTING THE WORK:**

1. The Tender format is obtainable from the Office or can be downloaded. Tenders shall be submitted in Tender Format on the printed pad of the firm accompanied by a DD (in favour of D.D.O., CSSRI, Canning and payable at SBI, Canning, Br. Code 1993) or the Xerox copy of the money receipt of Rs. 100/- paid in cash to the Office.
2. Each bidder must submit only one quotation **in details item-wise** in sealed cover. Quotation may be sent by post or dropped in the tender box available at this Office on or before **15.00 hrs. of 21<sup>st</sup> February, 2012** being the last date & time of submission of quotation. Quotation received after the scheduled date and time will not be accepted.
3. Each contractor has to deposit an Earnest Money of Rs. 8500/ (Rupees eight thousand five hundred only) along with the quotation in the form of Demand Draft, drawn in favour of D.D.O., CSSRI, Canning and payable at State Bank of India Canning Branch (Code No. 1993). The earnest money of all the bidders except the lowest two bidders will be refunded within 10 days of opening the quotations. The earnest money of the second lowest bidder to whom order will not be placed will be refunded within 10 days of placement of order. The earnest money of any bidder will be forfeited if the bidder(s) denies/fails to execute the work after placing the work order by the authority.
4. Documents showing satisfactory credentials and experience of performing job of similar nature if any may be enclosed.

5. The validity period of the quotation should be at least 90 days from the last date of submission of the quotation.
6. The Competent Authority of the Institute has the right to accept/reject any tender/quotation without assigning any reason thereof and the decision of the Authority will be final and binding on the quotationer.
7. The evaluation of total cost would be done for all the items mentioned on the work sheet put together. The items for which no rates have been quoted would be treated as zero and the total amount would be computed accordingly. The Works Committee will award the contract to the responsive bidder whose total cost for all the items put together is the lowest
8. The contractor has to pay the Income Tax as applicable in the I.T. Act and the same will be deducted at source from his bills. The contractor is required to provide Bank A/C and PAN No. along with the quotation.
9. Bank charges if any will be borne by quotationer.
10. The contractor has to meet all other necessary requirements of Govt. taxes etc. as the case may be.
11. On receiving the work order the contractor will have to submit an acceptance letter within 7 days along with a deposit of additional amount in excess of the earnest money (if required) to fulfill 5% of order amount as security deposit. The security deposit will be retained for one year from satisfactory completion and the date of submission of final bill, failing which, it will be presumed that the contractor is not interested to execute the work and his earnest money will be forfeited. The order may then be placed to the second lowest quotationer.
12. The contractor in whose name the order will be issued must ensure from time to time that the work is being done properly and in time, otherwise his security money is liable to be forfeited and other actions as per rule may be taken against him. The losses incurred, if any, due to negligence on the part of the contractor are to be compensated by the contractor.
13. The contractor must in his own interest ensure that all the rules and sub rules of the labour laws including minimum wages Act are followed and he will be responsible for any lapse in this regard. The Institute will not under any circumstances be responsible for any lapse on the part of the Contractors in this connection.
14. If the contractor fails to complete the work as per the specification within the stipulated period, the order will automatically be treated as cancelled. The security deposit will be forfeited and no payment will be made for part supply/execution of work. The order may then be placed to the second lowest bidder.
15. If any time during the execution of the work, the contractor encounters conditions/circumstances beyond his control (which will be determined by the authority) hindering timely completion of the work, the contractor will promptly inform the Head of this office in writing the fact of the delay and the likely duration of the same. After receipt of communication from the contractor, the competent authority shall decide as to whether to cancel the contract after the existing stipulated period, or to extend the stipulated period suitably, by issuing an amendment to the contract. In all other cases for delaying the completion of work beyond the stipulated period the authority will deduct from the contract price, as liquidated damages, a sum equivalent to 0.15% of the contracted amount for each day of delay of completion of work which will be deducted from the final bill. The maximum limit of such deduction will however, be 5% (five percent) of the contract amount. The contract will automatically stand cancelled when the deduction limit crosses 5 % of the contract amount.
16. All the works should be done as per the normal accepted technical requirements and are to be done under strict supervision of the concerned officers of CSSRI, RRS, Canning Town. Normally no work will be done on holidays/beyond the office hours. However, the contractor may seek prior permission of the competent authority to work beyond the office hours whenever it becomes very urgent depending of the nature of the work.
17. Payment will usually be made within about 45-days after the submission of final bill on satisfactory completion of work by the specified time.

HEAD  
(RRS, Canning Town)

**TENDER FORMAT**  
(on letter head of the firm)

Subject:

Your Tender Enquiry No.:

Our reference:

Title of Work:

Receipt No./Demand Draft No.

Sl. No.	Brief description of goods /equipments /supply/work	Brief specifications of work	Quantity	Unit	Date of Receipt/D.D.		
					(₹)	(₹)	
<b>Tax (if any)</b>							
<b>TOTAL</b>							

Gross total Cost: ₹ ..... (in figures) (₹ ..... (in words)

We agree to do the above work in accordance with the technical specifications for a total contract price of ₹ ..... (in figures) (₹ ..... (in words) within the period specified in the Invitation for Quotations. The other necessary details of our firms are given below.

PAN No. (Xerox copy attached) :

Bank Account No.

VAT Registration No. (Xerox copy attached)

We also confirm the other terms and conditions:

Validity of quotation:

Payment terms:

Completion of works:

Others (if any):

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

**Dated:**  
firm/supplier)

**Signature of Supplier/Contractor**  
(Name and seal of the