

**CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)  
Chithranjali Hills, Thiruvallom, Thiruvananthapuram-27**

**TENDER FOR DEMOLISHING THE EXISTING BRICK WALL OF THE WATER TANK AND  
RECONSTRUCTING THE WALL WITH PLASTERING PROVISIONS ON INSIDE AND OUTSIDE.**

Ref.No. C-DIT/3/GNL/16/T 478 Dt 20.09.16

Centre for Development of Imaging Technology (C-DIT), invites sealed tenders from eligible contractors under Single Bid System in the prescribed format for the construction of a Water Storage Tank at C-DIT Campus at Thiruvallom, after demolishing the existing brick wall of the water tank and reconstructing the wall with plastering provisions on inside and outside.

MINIMUM ELIGIBILITY CRITERIA

The bidder must have experience as main contractor in the construction of at least two similar items of work and complexity for a total cost estimate of Rs.1.0 lakhs or above during the last 2 years.

Specifications and Terms & Conditions etc. are detailed below.

- I. Capacity of the proposed water tank: 6M x 6M x2.5M to store approx. 65000 litres of water
- II. The work is to dismantle the existing brick walls and to reconstruct the walls with plastering provisions on inside and outside.

- III. The supplier shall submit the price offers in the bid form in their own letter head duly signed by authorized signatory with seal and with a copy of the tender documents downloaded from C-DIT website, duly signed.
- IV. Prices quoted should be inclusive of all applicable taxes at prevailing rates
- V. Earnest Money Deposit (Refundable): An amount of Rs. 10,000/- by DD drawn in favor of "Registrar, C-DIT" payable at Thiruvananthapuram towards EMD should be enclosed along with the Bid. The EMD will be refunded to the Bidder if his Tender is not accepted, but without any interest.
- VI. Acceptance / Rejection of the Tender is entirely at the discretion of C-DIT
- VII. The bid, complete in all respects, addressed to The Registrar, C-DIT, Chithranjali Hills, Thiruvallom, Thiruvananthapuram- 695 027 should reach us on or before the due date and time mentioned in the NIT. Addendums / Amendments issued if any to this NIT / Tender Documents shall be part of this NIT / Tender Documents and shall be published in our website [www.cditi.org](http://www.cditi.org). It is Bidders responsibility to keep themselves updated on any such Addendums / Amendments issued, if any.
- VIII. For any technical clarifications please feel free to contact Mr. Mukesh A.P. Jr. Executive (Engg). at mail id: [mukeshcditi@gmail.com](mailto:mukeshcditi@gmail.com) or at Cell No.9895788334, respectively.
- IX. Bids received after the deadline for submission shall not be considered. The detailed specifications given hereinafter are for the items of works described in the schedule of quantities attached herein, and shall be guidance for proper execution of work to the required standards. It may also be noted that the specifications are of generalized nature and these shall be read in conjunction with the description of item in schedule of quantities and

drawings. The work also includes all minor details of construction which are obviously and fairly intended and which may not have been referred to in these documents but are essential for the entire occupation in accordance with standard Engineering practice.

- X. In case any difference or discrepancy between the specifications and the description in the schedule of quantities, the schedule of quantities shall take precedence. In case of any difference or discrepancy between specifications and drawing, the specifications shall take precedence.
- XI. The last date for participation/ submission of bids is 7<sup>th</sup> October 2016, 11AM. The tender opening will be at 11.30AM, same day
- XII. The tenderer/ Bidder, is permitted to visit and examine the Site of the Work for obtaining all information that may be necessary for arriving at the bid price.
- XIII. Before the deadline for submission of tenders, C-DIT may modify the tender documents by issuing addenda/ corrigendum. Any addendum thus issued shall be part of the tendering documents and shall be published in C-DIT website: [www.cdif.org](http://www.cdif.org). Prospective tenderers/ bidders are advised to visit the website to take note of the latest changes, if any made in the tender documents.
- XIV. Tenders shall remain valid for a period of 60 days from the date of submission. However in exceptional circumstances, C-DIT may request that the tenderers/bidders extend the period of validity for a specified additional period.
- XV. Tenderers/ Bidders shall submit offers that comply with the requirements of the tendering documents, including the basic technical design as indicated in the tender specifications.

- XVI. The successful bidder has to enter an agreement with C-DIT ensuring timely completion of work
- XVII. A tenderer/bidder who gives false information in the tender document about its qualification or who refuses to enter into a contract after award of contract shall be considered for debarment from participating in future public tenders of similar nature.
- XVIII. A tenderer/ bidder shall not involve in corrupt and fraudulent practices to get the contract in his favour. Bidder may note that their Contract Agreement for this work is liable to be terminated at any time later, in case any of the information furnished by them is found to be untrue/ false or any adverse point comes to light subsequently. The decision of the C-DIT in this regard shall be final and binding on the party/ contractor.
- XIX. Any dispute or difference whatsoever arising between the parties out of or relating to this contract shall be settled by arbitration in accordance with the Rules of Arbitration in Indian Arbitration and Conciliation Act 1996 and the award made in pursuance thereof shall be binding on the parties. The courts in Thiruvananthapuram/ kerala alone shall have exclusive jurisdiction with regard to any matter/dispute relating to or arising out of this contract.
- XX. Work Site: C-DIT Campus, Thiruvallom, Thiruvananthapuram- 695 027

USER REQUIREMENT SPECIFICATION FOR WATER TANK RECONSTRUCTION

SI No	DSR code	Item	No	Length	Breadth	Depth	Quantity	Unit
1	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.						
		Old plaster removing from existing tank	2	6		2	24.00	
		Walls	2	6		2	24.00	
		Total					48.00	
		Rounding Up					2.00	
		<b>Total Rounded quantity</b>					<b>50.00</b>	<b>m<sup>2</sup></b>
2		Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.						
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)						
		Old PCC removing from existing tank	1	6.23	6.23	0.1	3.88	
		Bottom					0.00	
		Total					3.88	
		Rounding Up					0.12	
		<b>Total Rounded quantity</b>					<b>4.00</b>	<b>m<sup>3</sup></b>

SI No	DSR code	Item	No	Length	Breadth	Depth	Quantity	Unit
3		Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.						
	15.7.4	In cement mortar						
		Old Brick removing from existing tank	2	6.23	0.23	2	5.73	
		Walls	2	6.23	0.23	2	5.73	
		Total					11.46	
		Rounding Up					0.54	
		<b>Total Rounded quantity</b>					<b>12.00</b>	<b>m<sup>3</sup></b>
4		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed.						
	2.6.1	All kinds of soil						
		For RCC water tank with side clearance of 0.6m on all sides	4	6	0.6	2.2	31.68	
		Total					31.68	
		Rounding Up					3.32	
		<b>Total Rounded quantity</b>					<b>35.00</b>	<b>m<sup>3</sup></b>

SI No	DSR code	Item	No	Length	Breadth	Depth	Quantity	Unit
5		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).						
		Tank Bottom with 0.5m projection on all sides	1	7	7	0.15	7.35	
		Total					7.35	
		Rounding Up					0.65	
		<b>Total Rounded quantity</b>					<b>8.00</b>	<b>m<sup>3</sup></b>
6		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)						
		Tank wall sides- insde	4	6.23	0.23	2.5	14.33	
		Total					14.33	
		Rounding Up					0.67	
		<b>Total Rounded quantity</b>					<b>15.00</b>	<b>m<sup>3</sup></b>
7		15 mm cement plaster on the rough side of single or half brick wall of mix :						
	13.2.1	1:4 (1 cement: 4 fine sand)						
		Plastering outside tank						
		Tank wall sides- insde	4	6.5		2.5	65.00	
		Total					65.00	

SI No	DSR code	Item	No	Length	Breadth	Depth	Quantity	Unit
		Rounding Up					0.00	
		<b>Total Rounded quantity</b>					<b>65.00</b>	<b>m<sup>2</sup></b>
8		12 mm cement plaster finished with a floating coat of neat cement of mix with water proofing material in cement plaster work in proportion recommended by the manufacturers.						
	13.7.1	1:3 (1 cement: 3 fine sand)						
		Tank wall sides- insde	4	6.23		2.5	62.30	
		Total					62.30	
		Rounding Up					0.70	
		<b>Total Rounded quantity</b>					<b>63.00</b>	<b>m<sup>2</sup></b>
9		Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.						
	10.16.1	Hot finished welded type tubes.						
		Tubes 50 mm dia @ 1 m c/c @ 5kg/m in both directions	14	6	5		420.00	
		Total					420.00	
		Rounding Up					0.00	



SI No	DSR code	Item	No	Length	Breadth	Depth	Quantity	Unit
		<b>Total Rounded quantity</b>					<b>420.00</b>	<b>kg</b>
10		Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.						
	12.1.1	1.00 mm thick with zinc coating not less than 275gm/m <sup>2</sup>						
		Tank wall cover- projection 0.5m on all sides	1	7	7		49.00	
		Total					49.00	
		Rounding Up					1.00	
		<b>Total Rounded quantity</b>					<b>50.00</b>	<b>m<sup>2</sup></b>

## Centre for Development of Imaging Technology (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram 695 027

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#### BID FORM

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Sd/- By Bidder  
Address  
(Seal)