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CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)
Chitranjali Hills, Thiruvallam P.O., Thiruvananthapuram – 695 027

No. C-DIT/CG-Elec/18-19/T044

Date: 19.07.2018

TENDER NOTICE

Sealed tenders are invited for Electrification of C-DIT Studio floor, Gorkhy Bhavan, Van Rose Junction, Thiruvananthapuram. as per schedule attached.

The sealed envelopes containing the tender should bear the superscription "**Tender for Electrification of C-DIT Studio Floor** " and should be addressed to " *The Registrar, Centre for Development of Imaging Technology (C-DIT), Chitranjali hills, Thiruvallam, Thiruvananthapuram 695027.*

Intending bidders may submit the tenders on their own papers by courier/post/hand. Last date for receipt of tenders is **25.07. 2018, 03.00 PM.**

The tenders will be opened at **03.30 PM on 25.07. 2018** in C-DIT office in the presence of the bidders or their authorized representatives who may be present at that time.

Late tenders will not be accepted.

The tenderer may visit the site and satisfy themselves about the requirement and scope of work. For more details on technical specifications or on terms & conditions please contact Sri. A.P. Mukesh, Head, Electrical Department in Mobile Number: 9895788334

Sd/-
REGISTRAR



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)
Chitranjali Hills, Thiruvallam P.O., Thiruvananthapuram – 695 027

No. C-DIT/CG-Elec/18-19/T044

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Tender for Electrification of C-DIT studio floor

1. Work Schedule

Sl.No	Description	Qty	Unit	Rate		Amount	
				Supply	labour	Supply	labour
1	FABRICATED PANEL						
	The panel shall be fabricated from CPRI approved panel fabricators.						
	Fabrication, supply, conveyance, installation testing and commissioning of floor mounting, dust and vermin proof, cubicle type MV panel board comprising of the following components/ devices & complying to IS 8623.						
	Fabrication of fully partitioned, dust and vermin proof enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using 1.60 mm CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc., detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required. CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etc shall not be used for						

Sl.No	Description	Qty	Unit	Rate		Amount	
				Supply	labour	Supply	labour
	the fabrication of panel assembly. The panel shall be provided with base frame made from ISMC 75. Necessary barriers and shrouding with 2 mm / 3 mm SMC sheets shall be provided. Heavy duty neoprene beading of appropriate sizes shall be used to make the panel dust and vermin proof.						
	SITC of main bus bar system and interconnections with electrolytic grade Aluminium strips/ rigid conductors conforming to IS 1867 (with latest amendments) supported on finger type bus bar supports of adequate size, spacing between supports not exceeding 50 cm & overhang not exceeding 5 cm including bending to shape, drilling holes, tinning the points of contacts, fixing heat shrinkable PVC sleeves, plated bolts and nuts with plate washers and spring washers, copper sockets for round conductors, etc., as required.						
1.1	SSB						
	Incomer 1						
i	200 A, TPN isolator 1 no						
ii	LED type phase indication lamps (R,Y,B) with protective fuses - 1 Set						
iii	200 A Al Bus Bar						
	Outgoings						
i	100A TPN SFU with 80A fuse - 1 No						
ii	100A TPN SFU with 63A fuse - 1 No						
iii	63A TPN SFU with 50A fuse - 1 No						
iv	63A TPN SFU - 2 Nos	1	Each				
MCCB, Contactors, OL relay, SPP & timers - ABB / L&T							
2	CHANGEOVER SWITCH						
	Supply installation testing and commissioning of 200A FP onload changeover switch in sheet steel enclosure.	1	Each				

Sl.No	Description	Qty	Unit	Rate		Amount	
				Supply	labour	Supply	labour
3	MCB						
	Supply installation testing and commissioning of 63A FP MCB in factory made enclosure.	1	Each				
4	EARTHING						
4.1	Supply and providing pipe earthing as per IS 3043 with 20mm dia copper bonded earth rod of 1 meter length with standard clamp and FRP covering at the top. (Make CAPE/OBO)	2	Each				
5	Supplying & laying / fixing of earthing conductor of GI / CU flat / wires jointing as per IS:3043 / 87 in trench walls pulling through pipes etc. as required.						
5.1	25x3mm Cu strips	1	mts				
5.2	10 SWG Cu	50	mts				
CABLE LAYING & END TERMINATION							
6	Laying the following X.L.P.E insulated 1.1 kV grade aluminium/copper conductor cable conforming IS:1554 (Part-I) in cable trenches/cable tray or on concrete wall or through pipes as per specifications, etc. Necessary clamping should be provided while burying cables in prepared trenches etc. as instructed by the Consultant						
6.01	3.5 x 185 sq. mm AL Cable	90	M				
6.02	3.5x 50 sq. mm AL Cable	10	M				
6.03	3.5x 35 sq. mm AL Cable	15	M				
	Makes of Cables: Havells/Finolux/ Polycab						
7	TERMINATION						
	Supply and Making of Siemens type / trapdoor compression gland, Aluminium Lugs, earth clamps for XLPE insulated and PVC sheathed armoured conductor cable 1.1kV grade and making end terminations suitable for 2/3/3.5/4 core cables of the following sizes as required.						

Sl.No	Description	Qty	Unit	Rate		Amount	
				Supply	labour	Supply	labour
7.01	3.5 x 185 sq. mm AL Cable	6	Each				
7.02	3.5x 50 sq. mm AL Cable	2	Each				
7.03	3.5x 35 sq. mm AL Cable	2	Each				
	Accepted makes of Cable Glands/terminal kits: Jainson						
	FABRICATED TRAY						
8	Supply, erection of vertical and horizontal type cable trays and cable supports fabricated out of MS angles (ISA) and MS flats with sufficient width and spacing between successive cross members and supported at adequate spacing. The cable trays and supports shall be painted with two coats of Zinc Chromate primer and two coats of enamel paint. The design of cable trays and details shall be got approved by the department officers / consultant.	100	kG				
Total							
GST							
Total including taxes							

Conditions

1. C-DIT reserves the right to reject any or all the tenders without assigning any reason thereof.
2. The bidder should have minimum 'B' class license.
3. The quantities specified in the schedule are approximate only and may vary. The successful bidder has to carry out the additional quantities of work, if any, at the same rates and the same terms & condition of contract. No escalation of rates is admissible.
4. All electrical work shall be carried out in accordance with the provision of Indian Electricity Act & Indian Electricity Rule.
5. All components used shall confirm to relevant ISI standards & specifications.
6. Brand should be clearly mentioned against items that has been specifically asked for
7. The quoted rate should be inclusive of all materials, labour, etc. complete charges where ever not otherwise specified.

8. The rate quoted for the work shall be final and no enhancement will be allowed under any circumstances. The enhancement of rate will cause the cancellation of the work order.
9. The Specifications mentioned in the schedule of quantities are to be met with fully. The quality of the materials supplied by the contractor must be standard items and prior approval for all materials should be sought before it is being actually used..
10. The Contractors should have registered under GST and they should mention their GST Identification Number (GST IN) in the quotation.
11. Any damage caused by the workman of the contractor to walls, ceiling, floors or existing furniture and fixtures etc, should be made good at their cost.
12. The contractor shall remove all the defective materials from the site that is found defective by CDIT during or after execution of work and such materials should not be reused in the work.
13. All rubbish and superfluous materials shall be removed from site at the cost of the contractor after completion of work and prior to submission of final bill. Rubbish may shall not be disposed outside building premises or nearby area.
14. Taxes will be deducted at source (TDS) from Bills as per prevailing rules.
15. Tax to be deducted at source, as per rules will be deducted from the bill. The quoted amount will be treated as the **total amount inclusive of GST** and Liability on account of GST and /or any other govt. taxes / levies that may arise on this contract shall be born by the contractor in full and this must be reflected in the Invoice which is to be submitted after the completion of the work.
16. No Advance Payment will be made on the delivery of material at the site. Payment will be made only after satisfactory completion of the work and based on the actual measurements and observation made at the site. Based on the verified Measurements total amount will be arrived at the quoted rates.
17. Contractors are required to submit Invoice based on this arrived amount after completion of the bill from our side and Payment will be made only after our acceptance of this Invoice.
18. Payment : By cheque on completion of work against measurement and M-Book certification.
19. The work should be completed within 10 days from the date of receipt of confirmation order.

Last date for receipt of tenders is **25.07. 2018, 03.00 PM.**

The tenders will be opened at **03.30 PM on 25.07. 2018**

Thiruvananthapuram
19.07.2018

Sd/-
REGISTRAR