



भा.कृ.अनु.प. - केन्द्रीय द्वीपीय कृषि अनुसंधान संस्थान
ICAR - CENTRAL ISLAND AGRICULTURAL RESEARCH INSTITUTE
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F. No. 57(385)/2021-2022/Estate

Date: 14.03.2022


NOTICE INVITING –TENDER (e- Publishing Offline Mode)

Open Bids are invited in single stage one bid system from firms enlisted with CPWD, APWD, MES or any other Govt. Department or earlier worked in ICAR-CIARI, Port Blair, having adequate experience and financial capability for executing different civil works.

Tender document may be downloaded from the CPPP Portal or ICAR-CIARI website URL- <http://ciari.icar.gov.in/> and submitted physically through speed post/by hand as given in CRITICAL DATE SHEET CUM- INFORMATION TABLE as under:

CRITICAL DATE SHEET CUM- INFORMATION TABLE

Name of the Organization	ICAR-Central Islands Agricultural Research Institute, Bathu Basti, Garacharma (Post), Port Blair, South Andaman.
Name of work	Repair and renovation of Administrative building of KVK Sippighat.
Last Date of receipt of bids	28.03.2022 at 03:00 PM
Bid opening date	28.03.2022 at 03:30 PM
Cost of tender document	NIL
Total Estimate cost	Rs. 9,75,000/-
EMD/Bid Security	Rs. 19,500/-
Bid Validity	60 days from the bid opening date
Performance Security	10% of the contract value which shall be retained as security deposit for one year.
Place of opening of tender bids	The director's committee room, ICAR- Central Islands Agricultural Research Institute, Bathu Basti, Garacharma (Post), Port Blair, South Andaman
Place of bid submission	Administration Block - II, ICAR-CIARI, Bathu Basti, Garacharma Post, Port Blair-744 105


14.3.22
(Shibani Sengupta)
Asstt. Administration Officer

Copy to:

1. Notice Board- Office Building, Engineering building, ICAR-CIARI, Port Blair.
2. The In-charge AKMU Cell, ICAR-CIARI, Port Blair, with request to upload this tender and tender documents to our Institute website and CPPP Portal.

ICAR-CENTRAL ISLAND AGRICULTURE RESEARCH INSTITUTE

PORT BLAIR – 744 105

F. No. 57(385)/2021-2022/Estate

Date:

TENDER DOCUMENT

Name of Work: Repair and renovation of Administrative building of KVK Sippighat.

SH: a) Repair of damaged columns, beam and slab with SBR polymer modified cement mortar.

b) Replacing the damaged grading concrete over roof slab.

c) Providing and fixing roofing sheet over the water tank at roof level.

d) Providing and laying APP water proofing membrane over the roof slab,

e) Painting of left side exterior wall of administrative building and other miscellaneous works.

Sl. no.	Description	Quantity	Unit	Rate	Amount
1.	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
1.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	14.70	cum		
2.	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
2.1	1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	0.40	cum		
3.	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.	12.50	sqm		
4.	Grading roof for water proofing treatment with				
4.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) [Note: The work also includes concrete work for gola and will be paid in cubic metre rate under this item]	16.00	cum		
5.	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	135.00	Per 50kg cement		
6.	12 mm cement plaster of mix : 13.1.1 1:4 (1 cement: 4 fine sand)	300.00	sqm		
7.	Centering and shuttering including strutting, propping etc. and removal of form work for :				
7.1	Columns, piers, abutments, pillars, posts and struts	4.32	Sqm		
8.	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the				

	exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
8.1	50mm average thickness	10.00	sqm		
8.2	25 mm average thickness	5.00	sqm		
9.	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.				
9.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	15.00	sqm		
10.	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge.				
10.1	25 mm average thickness in 2 layers.	5.00	sqm		
10.2	50 mm average thickness in 3 layers.	10.00	sqm		
11.	Providing and fixing scaffolding system with bamboo poles on the exterior side, up to two storey height made with bamboo poles 1.5m centre to centre, horizontal & vertical joining with diagonal double half hitch knot with coconut coir curled rope, in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workmen, etc. complete as per directions and approval of Engineer-in-charge. The payment will be made once irrespective of duration of scaffolding. Note:- This item to be used for maintenance work judiciously, necessary deduction for scaffolding in the existing item to be done.	200.00	Sqm		
12.	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	10.00	Kg		
13.	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.				
13.1	Hot finished welded type tubes	600.00	kg		
14.	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective	54.00	sqm		

	guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto 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.				
15.	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
15.1	Ridges plain (500 - 600mm)	9.00	metre		
16.	Providing and fixing aluminium gutter (600mm girth) made of aluminium sheet 24/26 gauge thickness fastened to 40x6 GI flat brackets with GI nut bolts and washers all complete. (The rate is inclusive of providing & welding of 40x6 GI flat to the purlin @ 75-80cm spacing)	19.00	metre		
17.	Extra for providing and fixing wind ties of 40x 6 mm flat Aluminium section.	18.00	metre		
18.	Dismantling of non-functional dish antenna kept at the roof slab (second floor level) and shifting it to the ground level and stacking it within a lead of 50m from the building all complete as per the direction of Engineer-in-charge.	1 job	L.S.		
19.	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
19.1	110 mm diameter	30.00	metre		
20.	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
20.1	Bend 87.5°				
20.1.1	110 mm bend	6.00	each		
21.	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : 13.65.1 Two or more coats on new work	24.00	sqm		
22.	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of				

	density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :				
22.1	3 mm thick	310.00	sqm		
23.	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
23.1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	80.00	kg		
24.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
24.1	Two or more coats on new work	90.00	sqm		
25.	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	100.00	sqm		
26.	Removal of rust from steel grills with emery paper, wire brush, etc. and making the surface ready/smooth for painting as required.	20.00	sqm		
27	Finishing walls with Acrylic Smooth exterior paint of required shade :				
27.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	10.00	sqm		
28.	Finishing walls with Acrylic Smooth exterior paint of required shade :				
28.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	200.00	sqm		
29.	Replacement of damaged panelling of aluminium door shutter with new 12mm thick particle board panelling (both side plain lamination) including removing and refixing of glazing clips, aluminium frame, etc. all complete as required.	0.60	sqm		
Total					

TERMS & CONDITIONS:

- 1) The envelope containing tender and other documents should be neatly super scribed with the name of the work, reference no., closing date failing which the tender will be returned without opening.
- 2) The contractor should mention the correct postal address and contact no. in the space provided in the agreement. If there is any change in the postal address/ contact no., the contractor should inform to the office in writing immediately about the change. Institute shall not be responsible for non-receipt of document due to postal delay/ undelivered/ non-recipient at your end.
- 3) The contractor should have prior experience of being worked in ICAR-CIARI or enlisted/ registered in APWD/ CPWD or any Govt. Agency.
- 4) The contractor may quote the rate after inspection of site and clarification of all details of the tender document from the Indentor/ Incharge Estate Section, ICAR-CIARI, Port Blair.
- 5) Incomplete or conditional quotations accompanying with/ without EMD shall be rejected.
- 6) The filled in tender should accompany a covering letter in their letter pad enclosing Enlistment Certificate/ Experience Certificate, IT Return Certificate, PAN/ TAN card. The ICAR-CIARI contractors may submit the proof of document that they worked in ICAR-CIARI, Port Blair.
- 7) The sealed tender must be accompanied with EMD of ₹ 19,500/- (Rupees nineteen thousand five hundred only) in the form of Demand Draft drawn in favour of ICAR Unit, CARI, Port Blair and the same will be released after issue of work order.
- 8) Work shall be carried out as per the instruction, direction and satisfaction of Incharge Estate Section/ Engineer-in-charge, Estate Section, ICAR-CIARI, Port Blair.
- 9) The rate includes all labours and material charges, transportation, tools and tackles etc. as required for completing the work.
- 10) The work should be started within 15 (Fifteen) days from the date of issue of work order failing which the work order shall be cancelled and EMD forfeited on the recommendation of the Incharge Estate Section, ICAR-CIARI, Port Blair.
- 11) The work should be completed within 30 (Thirty) days from the date of issue of work order. The contractor may also request for extension of period of completion with valid reasons for acceptance of Competent Authority, ICAR-CIARI, Port Blair.
- 12) Liquidated Damages: For repair works costing up to ₹ 10 lakh – 1% of the contract value per week and for all other works 0.5% of the contract value per week of delay subject to a maximum of 10% of the contract value.
- 13) The Director shall have the liberty to postpone or not to execute any item of work and the contractor shall not be entitled to any compensation for non execution of such items of work.
- 14) During execution no change shall be made by the contractor in the approved drawing and specifications at site without the consent of the Incharge Estate Section.
- 15) All the materials purchased for construction/ painting etc. by the contractor shall be as per the CPWD/ ISI/ BIS Standards/ specification and got approved by the Incharge Estate Section.
- 16) The inferior quality or rejected materials are to be removed immediately from the site failing which the same will get removed by the Institute and the expense involved will be deducted from the contractor's bill.
- 17) The water as required for construction and curing shall be arranged by the contractor for which no extra payment shall be made.
- 18) The contractor shall not be provided any store for storing of the construction materials and their tools. However, a site will be given temporarily to construct a store in CIARI Complex. The store should be dismantled immediately after handing over the structure/ buildings to the Institute failing which the bill will not be processed for release of payment.
- 19) In case of dis-satisfactory work the contract may be terminated at any time and in such case the EMD/ Security Deposit shall be forfeited.
- 20) In case the contractor fails to complete the work within the stipulated/ extended period of time and according to our satisfaction, the Director, ICAR-Central Island Agricultural Research Institute shall have the right to terminate the contract and get the work done through any other firm or agency. In such case the EMD and the Security Deposit of the contractor shall be forfeited.
- 21) Quantity of work may be increased or decreased according to the actual need of work and hence minor deviation of work shall be undertaken as per quoted rate without asking any compensation.

- 22) The contractor has to deposit 10% of the contract value through Demand Draft in favour of "ICAR Unit, CARI, Port Blair" as Performance Guarantee for the contract against acceptance of tender and the same shall be kept as security deposit and shall be released after one year of successful completion of the work.
- 23) If the contractor fails to deposit 10% Performance Security within 15 (Fifteen) days of issue of acceptance letter, the tender may be cancelled and EMD forfeited.
- 24) The contractor has to pay minimum wages to their labour force engaged for the civil work as per A&N Administration notification issued from time to time. The contractor shall be bound by all provisions of contract labour (Regulation and Abolition) Act 1970 and Central Rules 1971.
- 25) The standard deduction such as Income Tax and other taxes as applicable shall be deducted from the bill of the contractor.
- 26) After completion of the work within one year, if any defect, or damage or poor workmanship is noticed, the same shall be rectified by the contractor, within 10 days failing which the Security Deposit shall be forfeited.
- 27) After completion of work, the left over material at the site, if any, shall be removed within seven days failing which the material shall be removed at the cost and risk of the contractor by the Institute.
- 28) The Director, ICAR-CIARI, Port Blair also reserves the right to cancel the work, after award of work due to some administrative/ technical reasons.
- 29) The Director, ICAR-CIARI, Port Blair shall be the sole arbitrator for all disputes between the contractor and Institute. The decision of the Director shall be final and binding to both the parties.



Asstt. Administrative Officer

Signature of the Contractor
Name & Complete postal address
And telephone no. And date and seal