



**NATIONAL COIR RESEARCH & MANAGEMENT
INSTITUTE (NCRMI)**

**A Government of Kerala Undertaking
Kudappanakkunnu, Thiruvananthapuram – 695 043**

Tel. No. – 0471-2730788, Tel/Fax – 0471-2730777

Email: ncrmikerala@gmail.com

Web: www.ncrmi.org

***Tender No.* NCRMI /R&D/4001/13 dtd. 2.8.2013**

TENDER DOCUMENT

For

**Installation of 90 kVAR APFC panel and connected electrics at the premises of
National Coir Research and Management Institute (NCRMI), Kudappanakkunnu,
Thiruvananthapuram.**

Signature of the Tenderer

Tender No. NCRMI /R&D/4001/13 dtd. 2.8.2013

This Tender document Set containing 14 Number of pages is issued to:-

Name of Tenderer :
Address of Tenderer :
The Cost of Tender Documents : 600/-+5% VAT
Earnest Money Deposit (EMD) : 2.5 % of the Quoted Amount
Date of Sale of Tender Documents :

*Sd/-
For National Coir Research & Management Institute (NCRMI)
Director*

Issued by : *National Coir Research & Management Institute (NCRMI), Kudappanakkunnu,
TVM*

IMPORTANT

The Tender Document in original duly filled in triplicate, along with the quotations and other accompaniments should be forwarded to the Director, National Coir Research & Management Institute (NCRMI), Kudappanakkunnu, Thiruvananthapuram – 695 043 . So as to reach him on or before 2 pm on 17.08.2013

NATIONAL COIR RESEARCH & MANAGEMENT INSTITUTE (NCRMI)
Kudappanakkunnu, Thiruvananthapuram – 695 043, KERALA
Tel. No. – 0471-2730788, Tel/Fax – 0471-2730777
Email: ncrmikerala@gmail.com , Web: www.ncrmi.org

TENDER NOTICE

NCRMI /R&D/4001/13

2.8.2013

National Coir Research & Management Institute (NCRMI) invites tenders from competent authorized dealers for the Installation of 90 kVAR APFC panel and connected electrics at the premises of National Coir Research & Management Institute, Kudappanakkunnu, Thiruvananthapuram

The tender forms and detailed specifications can be downloaded from the website www.ncrmi.org. The cost of the tender form is Rs. 600+ 5% VAT. It can be remitted by Demand Draft from any nationalized bank drawn in favour of the Director, NCRMI and can be submitted along with the tender. Cheque will not be accepted.

Last date for submission of Tenders is 17.08.2013, 2 PM. The tenders will be opened on 17.8.2013, 2.30 PM in the presence of Tenderers or their representatives. The EMD of the Tender is 2.5% of the Quoted amount and the selected company will be required to deposit an amount equal to 5% of the total amount as security in favour of the undersigned.

The Director, NCRMI reserves the right to accept or reject any or all the Tenders without assigning any reason what so ever.

Director
NCRMI

Form of Tender

To

Director
National Coir Research & Management Institute (NCRMI)
Kudappanakkunnu
Thiruvananthapuram.

Tender No. NCRMI /R&D/4001/13 dtd. 2.8.2013

For Installation of 90 kVAR APFC panel and connected electrics

Dear Sirs,

With reference to the tender invited by **National Coir Research & Management Institute (NCRMI)**, I/We have read General Conditions of Contract, Articles of Agreement, Invitation to Tender, Technical Specifications, for the Installation of 90 kVAR APFC panel and connected electrics in conformity with the said terms and conditions mentioned in general conditions of contract, invitation to tender, special conditions of contract, articles of agreement, technical specifications.

I/we undertake the installation of 90 kVAR APFC panel and connected electrics work abiding by the terms and conditions comprised in the contract without any exception, which shall be valid for 03 calendar months from the date of acceptance of the Work order from National Coir Research & Management Institute, Kudappanakkunnu, Thiruvananthapuram.

I/We have deposited as earnest money a sum of Rs. _____ (Rupees _____ only) which amount is not to bear any interest and I/We do hereby agree that this sum shall be forfeited in the event of our violation in any way as detailed in the relevant clause of the tender and if I/We fail to execute the contract when called upon to do so as per the provisions of the letter of intent /Purchase Order or as the case may be, issued in our favour.

I/We hereby agree that unless and until the formal agreement is prepared and executed in accordance with the Articles of Agreement, this Tender together with your written letter of Acceptance thereof, shall constitute a binding Contract between us.

I/We understand that you are not bound to accept the lowest or any tender you may receive.

Yours faithfully,

Signature of tenderer :

Address with office seal :

.....

.....

Date:

INTRODUCTION

NCRMI an organization spearheading various R&D projects in the traditional segment of Coir was established in 1994, under the name C-DOCT to cater the varied needs of coir sector of Kerala. NCRMI have been conducting studies for the development of new coir technologies in collaboration with similar research organizations across the country and even at the International level.

Kerala State Electricity Board directed to reduce the peak load consumption to 75% of the normal average consumption. KSEB has taken base line consumption reading and instructed to reduce the consumption. Further KSEB directed to comply with the instruction as it was forward by the Hon'ble Kerala State Electricity Regulatory Commission. The KSEB also requested to increase the power factor by attaching a suitable panel (APFC).

REQUIREMENT AND SPECIFICATION

Specification for the installation of 90 kVAR APFC panel and connected electrics is annexed.

GENERAL CONDITIONS

1. The tender should be addressed to the Director; NCRMI in a sealed cover shall be accepted in the NCRMI office at Kudappanakkunnu up to 2PM on August 17th 2013 and shall be opened at 2.30PM on the same day.
2. The tender should be in the prescribed form which can be obtained from the officer mentioned in the tender notification on payment of the price noted therein. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected.
3. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.
4. (a) Every tenderer should send along with his tender, an earnest money of 2.5 % of total quoted amount. The amount may be paid by Demand Drafts (crossed) on the local branch of State Bank of Travancore/ State Bank of India drawn in favour of the Director, NCRMI. Cheques will not be accepted. The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled; but that of the successful tenderers will be adjusted towards the security that will have to be deposited for the satisfactory fulfillment of the contract. No interest will be paid for the earnest money deposited.
5. The tenders will be opened on the appointed day and time in the office of the Director, NCRMI, in the presence of such of those tenderers or their nominees who may be present at that time.

6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to National Coir Research and Management Institute or such action taken against him as the Institute think fit.
7. Tenderers shall invariably specify in their tenders, the conditions including the time required for the installation work.
8. (a) The tenderers shall clearly specify whether the articles offered bear Indian Standards Institution Certification Mark or not. In such cases, they shall produce copies of certification marks along with their tender in support of it.
9. The final acceptance of the tenders rests entirely with the National Coir Research and Management Institute who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.
10. In the case of materials of technical nature, the successful tenderer should be prepared to guarantee satisfactory performance for a definite period under a definite penalty.
11. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless the successful tenderer shall also execute an agreement for the due fulfillment of the contract within the period specified in the letter of acceptance. The contractor shall have to pay all stamp duty/lawyer's charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out in Para below.
12. (a) The successful tenderer shall, before signing the agreement, and within the period specified in the letter of acceptance of this tender, deposit a sum equivalent to 5 per cent of the value of the contract as security for the satisfactory fulfillment of the contract less the amount of money deposited by him along with his tender. The amount of security may be deposited in the manner prescribed in Clause 4 supra or in fixed Deposit Receipt of State Bank of Travancore/State Bank of India, endorsed in favour of Director, NCRMI. Letter of guarantee in the prescribed form for the amount of security from an approved Bank will also be considered enough at the discretion of the Institute. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to the Institute, and the contract arranged elsewhere at the defaulter's risk and any loss incurred by the Institute on account of the work will be recovered from the defaulter who will, however not be entitled to any gain accruing thereby. If the defaulting firm is a registered firm, their registration is liable to be cancelled.

(b) In cases where a successful tenderer, after having made work, fails to fulfill the contracts in full, all or any of the work not executed may at the discretion of the Director, NCRMI, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to do work already and the loss, if any, caused to the Institute shall thereby, together with such sums as may be fixed by the Institute towards damages, be recovered from the defaulting tenderer.

13. The security deposit shall, subject to the conditions specified herein, be returned to the contractor within one year after the expiration of the contract, but in the event of any dispute arising between the Institute and the contractor, the Institute shall be entitled to deduct out of the deposit or the balance thereof, until such dispute is determined, the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due to any time from the Institute to the contractor.
14. All payments to the contractor will be made by the Director, NCRMI in due course:-
- i) by cheques or draft on State Bank of India
 - ii) All incidental expenses incurred by the Institute for making payments outside the district in which the claim arises shall be borne by the contractor.
15. The tenderers shall quote also the percentage of discount offered by them in case the payment is made promptly within fifteen days/within one month of work.
16. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Director, NCRMI who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such recission. Provided always that is such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.
17. (a) In case the contractor becomes insolvent or goes into liquidation, or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlements of his creditors for the settlement of his debts, or carries on his business or the contract under inspection on behalf of his creditors or in any case receiving order or orders, for the administration of his estate are made against him, or in case the contractor shall commit any act of insolvency or in case in which under any clause or clauses of his contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits: the contract shall there upon, after notice given by the Director, NCRMI to the contractor, be determined and the Institute may complete the contract in such time and manner and by such persons as the Institute shall think fit. But such determination of the contract shall be without any prejudice to any right or remedy of the Institute against the contractor or his sureties in respect of any breach of contract therefore committed by the contractor. All expenses and damages caused to the Institute by any breach of contract by the contractor shall be paid by the contractor to the Institute and may be recovered from him under the provisions of the Revenue Recovery Act in force in the State.

18. Any sum of money due and payable to the contractor (including security deposit returnable to him) under the contract may be appropriated by the Director, NCRMI or the Institute or any other person authorized by the Institute and set off against any claim of the Director, NCRMI or the Institute for the payment of a sum of money arising out of or under any other contract made by the contractor with the Director, NCRMI or the Institute or any other person authorized by the Institute. Any sum of money due and payable to the successful tenderer or contractor from the Institute shall be adjusted against any sum of money due to the Institute from him under any other contracts.
19. Every notice thereby required or authorized to be given may be either give to the contractor personally or left at his residence or last known place or abode or business, or may be handed over to his agent personally, or may be addressed to the contractor by post at his usual or last known place of abode or business and if so addressed and posed, shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post a letter so addressed and posted would reach his place of abode or business.
20. No representation for enhancement of rates once accepted will be considered.
21. Any attempt on the part of the tenderers or their agents to influence the Institute in their favour by personal canvassing with the officers concerned will disqualify the tenderers.
22. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event of default in supplies or failure to supply within the stipulated period.
23. Telegraphic quotations will not considered unless they given details of prices and are immediately followed by confirmation with full relevant details posted before the due date of tender.
24. (a) The price quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

(b) In case payment of customs/excise duty is to be made by the Director, NCRMI the Director, NCRMI will pay the duty on the “unloaded invoice price” only in the first instance, any difference being paid when the tenderer produces the final assessment orders later.
25. Final payments will be made only on production by tenderers the tax clearance certificates relating to Agricultural Income Tax, Sales Tax and Income Tax;
26. Special conditions, if any, of the tenderers attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

27. The tenderer should send along with his tender an agreement executed and signed in Kerala stamp paper worth Rs.100/-. A specimen form of agreement is given as annexure to this tender. Tenders without the agreement in stamped paper will be rejected outright.
28. The Director, NCRMI reserves the right to accept in full/part or reject the tender without assigning any reasons thereof.

DIRECTOR
NCRMI

Thiruvananthapuram
2.8.2013

ANNEXURE-I

AGREEMENT

Articles of agreement executed on this the day of
..... between the Director, National Coir Research and
Management Institute (hereinafter referred to as “Director, NCRMI”) on the one part
and

Shri..... (H.E. name
and address of the tenderer) (hereinafter referred to as “the bounden” on
the other part.

WHEREAS in response to the notification No. dated bounden has
submitted to the Institute a tender for the specified therein
subject to the terms and conditions contained in the said tender;

WHEREAS the bounden has also deposited with the Institute a sum of Rs..... as
earnest money for the execution of an agreement undertaking the due fulfillment of the
contract in case his tender is accepted by the Institute.

NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:

1. In case the tender submitted by the bounden is accepted by the Institute and the contract
for is awarded to the bounden, the bounder shall within
..... days of acceptance of his tender, execute an agreement with the University
incorporating all the terms and conditions under which the institute accepts his tender.

2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and
conditions governing the contract the Institute shall have power and authority to recover from
the bounden any loss or damage caused to the Institute by such breach as may be determined
by the Institute by appropriating the earnest money deposited by the bounden and if the
earnest money is found to be inadequate the deficit amount may be recovered from the
bounden and his properties movable and immovable in the manner hereinafter contained.

3. All sums found due to the Institute under by virtue of this agreement shall be recoverable
from the bounden and his properties movable and immovable under the provisions of the
Revenue Recovery Act for the time being in force as though such sums are arrears of land
revenue and in such other manner the Institute may deem fit.

In witness whereof Shri.
(H.E. name and designation) for and on behalf of the Director, National Coir Research and
Management Institute and Shri..... the bounden
have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri. (date)
in the presence of witnesses:

1.

2.

Signed by Shri (date)
in the presence of witnesses:

1.

2.

ANNEXURE-II

Installation of 90 kVAR APFC panel and connected electrics at the premises of National Coir Research & Management Institute, Kudappanakkunnu, Thiruvananthapuram

Sl. No.	Qty	Description	Unit	Rate	Amount
		NOTES:			
		All works to be carried out to relevant IS specifications			
		Only Electrically operated instruments including hammer drilling, Core cutting, groove cutting and other equipments shall be used for chasing, cutting, drilling, threading etc.			
		The schedule of probable quantities may vary on the higher side or lower side. Hence, during material procurement, the contractor shall workout the actual quantities based on the good for construction/shop drawings issued for execution as per the project manager's direction. The rate quoted in the tender is for finished actual work done. All extra and surplus materials if any, will be at contractor's risk and must be carried away from the site upon completion and hand over of the works.			
1		APFC PANEL			
		Fabrication erection, testing and commissioning of cubicle type, dust and vermin proof, floor mounted, front operated MV panel board made out of 1.6 mm thick CRCA sheet fully compartmentalized complete with hinged and earthed front doors with name plate, danger notice board, heavy duty rubber gaskets, removable gland plates made out of 3mm thick sheet steel. All opening parts of the panel shall be sealable. Provision for emergency push button shall be given as per statutory requirement.			
		Incomer			
		1 No. of 250A TPN isolator			
		300A, 415V best conductivity A1 TPN bus bar with SMC supports, heat shrinkable sleeves etc. complete as required.			
		Metering Instruments & Indications			
		Digital Ammeters with range 0-300A with CTs and with three line display and with accuracy CL 0.50 – 1 Nos.			
		CTs – ratio 300/5A CL 1 15VA – 3 Nos.			
		Digital Voltmeter 0-500 V (96 x 96mm) with three line display – 1 No.			
		RYB phase indicating lamps (lamps shall be of LED) with control fuses – 1 set (22.50mm cutout dimension)			
		8 stage APFC relay, auto manual selector switch, auxiliary contactors, on indicating lamps, start PB, stop PB, cooling fan, control fuses and neutral links.			
		Outgoings			
		100A TPN SFU with 63A HRC + 25KVAR APP Capacitor			

		480V + Capacitor duty contactor for 25KVAR + 7% detuned reactor for 20KVAR 440V– 2 set			
		63A TPN SFU with 50A HRC + 20KVAR APP Capacitor 480V + Capacitor duty contactor for 20KVAR + 7% detuned reactor for 15KVAR 440V– 2 set			
		63A TPN SFU with 32A HRC + 15KVAR APP Capacitor 480V + Capacitor duty contactor for 15KVAR + 7% detuned reactor for 10KVAR 440V – 1 set			
		32A TPN SFU with 20A HRC + 10KVAR APP Capacitor 480V + Capacitor duty contactor for 10KVAR + 7% detuned reactor for 5KVAR 440V – 2 set			
		The accepted makes are as follows:			
		ACB, MCCB, Contactors, OL relay, SPP & timers - Siemens / Schneider / ABB			
		Digital Meters, PF meter etc - Schneider / Siemens / L&T			
		Electronic soft starters - Siemens / Schneider / ABB			
		APFC relay - Beluk/ Schneider/ Siemens			
		Power Capacitors - Shreem / Schneider / ABB			
		Rate to be quoted for			
	1	Supply	Each		
	1	Labour	Each		
2		Current Transformers			
		Supply and installation of one no 450/5, 15VA, CL 1 CT in the existing MSB with all crequired connections to complete.			
		Rate to be quoted for			
	1	Supply	Each		
	1	Labour	Each		
3		Earthing			
		Laying / fixing of earthing conductor of CU flat as per IS:3043 / 87 in trench walls pulling through pipes etc as required.			
		25x3mm Cu strips			
		Rate to be quoted for			
	30	Supply	M		
	30	Labour	M		
4		CABLE LAYING			
		Supply and laying the following AYFY 1.1 kV grade aluminum/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			
		3.5 x 240sq. mm AL Cable			
		Rate to be quoted for			
	12	Supply	M		
	12	Labour	M		
		Accepted makes- Polycab, Finolex, Gloster			
		CABLE ENDTERMINATION			

5					
		Supplying and fixing of siemens type / trapdoor compression gland, Aluminium Lugs, earth clamps for AYFY armored conductor cable 1.1kV grade and making end terminations suitable for 2/3/3.5/4 core cables of the following sizes as required.			
		3.5 x 240sq. mm AL Cable			
		Rate to be quoted for			
	2	Supply	Each		
	2	Labour	Each		
6		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.			
		Rate to be quoted for			
	25	Supply	kg		
	25	Labour	kg		
7		Installation of 6mm thick MS checkered plate and filling for fire proof partition between floors in the electrical ducts and covering cable trench etc. as required			
		Rate to be quoted for			
	30	Supply	M		
	30	Labour	M		
8		Preparation of all drawings in respect to the APFC panel, submitting and getting approval from Electrical Inspectorate, submitting of Completion certificates and arranging inspection, getting sanction and energisation certificates from Electrical Inspectorate	LS		
		Special Conditions:-			
		{1} All the civil works such as construction of Cable trench, Basement of transformer & DG set etc, shall be arranged by the contractor.			
		{2}All the statutory payments shall be arranged made by NCRMI upon the receipt of bills			