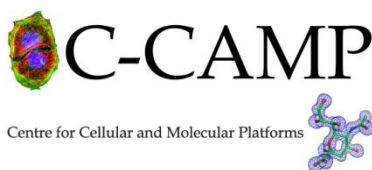


**CENTRE FOR CELLULAR AND MOLECULAR PLATFORM**



**Annual Maintenance Contract for Electrical Systems in  
C-CAMP, GKVK Bangalore**

*TENDER DOCUMENTS*  
**PRICE BID**

*SCIENTIFIC ENGINEERING & MAINTENANCE DIVISION*  
**2018**

**Tender Notice No: C-CAMP/Electrical/E-in-C/Tr-141/2018**

**CENTRE FOR CELLULAR AND MOLECULAR PLATFORM**  
GKVK Campus, Bellary Road, Bangalore - 560 065.  
Phone: 23666001/02 Fax: 23636662

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GKVK Campus, Bellary Road, Bangalore - 560 065.

Phone: 23666001/02 Fax: 23636662

**Tender Notice No: C-CAMP/Electrical/E-in-C/Tr-141/2018**

1. NAME OF THE WORK : Annual Maintenance Contract for Electrical systems in C-CAMP, GKVK Bangalore.
2. ESTIMATE VALUE PUT TO TENDER : Rs.24,79,000.00
3. EARNEST MONEY DEPOSIT : Rs.49,580.00
4. COST OF TENDER DOCUMENT : Rs. 500/-
5. SALE PERIOD : 18/01/2018 to 31/01/2018
6. TIME & DUE DATE OF RECEIPT : Up to 14:00 Hrs On: 09/02/2018
7. TIME & DATE OF OPENING : After 15:00 Hrs On: 09/02/2018

SOLD TO : \_\_\_\_\_ RECEIPT NO: \_\_\_\_\_ DATE: \_\_\_\_\_

FOR A SUM OF Rs. \_\_\_\_\_ TOWARDS THE COST OF TENDER DOCUMENT.

SIGNATURE OF ISSUING OFFICER:

DESIGNATION:

**Important Note: All bidders are requested to attend the Pre bid meeting on 05/02/2018 at 15.00 Hrs. in the office of the Head-SE& M, C-CAMP**

## CENTRE FOR CELLULAR AND MOLECULAR PLATFORM

GKVK Campus, Bellary Road, Bangalore - 560 065.

Phone: 23666001/02 Fax: 23636662

### Tender Notice No: C-CAMP/ELECTRICAL/E-In-C/Tr-141/2018

Sealed tenders are invited (in 2 Part system) by the Head (Scientific Engineering Services & Maintenance) at the above office from experienced Class-I Electrical Contractors for Operation and Maintenance of Electrical systems including substations in C-CAMP, Transformers, HT/LT switch gears, DG sets, AMF/synchronization panel and Additional and alteration electrical works.

#### Eligibility Criteria:

- i) Experience of having successfully completed similar type of work (24 hrs basis) of Electrical AMC nature works during the last 7 years ending last day of the month previous to the one in which applications are invited. The works completed up to previous day of last date of submission of tenders shall also be considered.
- a) **Three similar completed works**, costing not less than the amount equal to Rs.9.92 Lakhs (40% of Estimated cost),  
or
- b) **Two similar completed works**, costing not less than the amount equal to Rs.14.87 Lakhs (60% of Estimated Cost),  
or
- c) **One similar completed work** of aggregate cost not less than the amount equal to Rs.19.83 Lakhs (80% of Estimated cost) of the estimated cost.  
and
- (ii) One Completed work of any nature (either part of (i) or a separate one) costing not less than the amount equal to Rs.9.92 Lakhs of the estimated cost put to tender with some Central/State Government Organization/Central Autonomous Body/Central Public Sector undertaking/State public sector undertaking/City development authority/Municipal corporation of city formed under any Act by Central/State government and published in central/state gazette..
- (iii) Bidders/contractor must furnish documentary proof for the above along with the following mandatory information while making request for tender documents.
  - a. Company's profile, Local Office status, Bankers, Manpower and Experience.
  - b. Valid registration certificate of the firm and Electrical Class – I License
  - c. Valid ESI, PF and Goods Service tax registration certificates
  - d. **Current financial solvency certificate:** Solvency certificate should be of the amount equal to 40% of the estimated cost (i.e Rs. 9.92 lakhs)
  - e. **Annual turnover:** Average annual financial turn over should be at least 100% of the estimated cost (i.e Rs. 24.79 lakhs) during the immediate last 3 consecutive financial year.

f. **Work completion Certificates:** Work completion certificates as per sr.nos. i (a or b or c) & ii should be submitted. The completion certificate should be clearly indicated that period of contract (i.e start period and completion period). Since the estimation put to tender is for one year period, hence bidder/contractor should submit the completion certificates for per tenure/year basis. If the contract is extended for another year, we shall consider only one year rates as a total completed value.

g. **Performance certificates:** Minimum one performance certificate from existing clients should be attached. Performance certificate should be of as per minimum eligibility criteria. Evaluation of the performance of contractors shall be done based on available documents along with technical bids. If required, the works executed by the bidders may be got inspected by the NIT approving authority.

h. A List to be furnished for number of qualified technical people in employment and their Qualification.

i. Latest income tax clearance certificate

**Note:**

Issue of tender documents on the basis of the documentary eligibility alone will not make a tenderer eligible for participating in the bidding. The documents furnished by the tenderers will be subjected to verification subsequently by department. If found not meeting the requirement, such offers will be rejected.

## CENTRE FOR CELLULAR AND MOLECULAR PLATFORM

GKVK Campus, Bellary Road, Bangalore - 560 065.

Phone: 23666001/02 Fax: 23636662

**Name of work: - Annual Maintenance Contract for Electrical systems at C-CAMP GKVK, Bangalore.**

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**ESTIMATED VALUE OF WORK : Rs. 24,79,000.00**

**EARNEST MONEY DEPOSIT : Rs. 49,580.00**

**PERIOD OF CONTRACT : 12 MONTHS**

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Tenders shall be submitted in two parts simultaneously in separate sealed covers, superscribed as "COVER-I" and "COVER-II"

### **IMPORTANT NOTE:**

- 1. All bidders to attend the PRE-BID MEETING on 05/02/2018 at 15.00Hrs, in the office of Head-SE&M, C-CAMP. It is important for the vendor to attend the pre-bid meeting to understand the exact requirements.**
- 2. Currently, to maintain the similar Electrical system, 3 Senior Technicians (Skilled), 4 Technicians (Semi Skilled) and 1 unskilled assistant are engaged. In our experience, this is the bare minimum manpower requirement, to maintain the system. *However, contractors can specify manpower deployment pattern they propose to adopt for this work after thoroughly studying the scope of the work and clearly understanding the same by attending the PRE-BID meeting. The vendors shall have all their doubts cleared in the PRE-BID meeting. It is completely contractor's responsibility to fix the staff deployment pattern and to fulfill the requirements of C-CAMP. The figure mentioned above is indicative only.***
- 3. PRICE BID (Cover-II), shall be submitted in separate cover and shall not be placed in TECHNICAL BID (cover-I)**

### **COVER-I shall contain the following:**

- 1. EMD** as specified above in the form of Demand Draft of a Scheduled Bank guaranteed by the Reserve Bank of India, in favour of Centre for Cellular and Molecular Platform(C-CAMP), Bangalore - 65. No other mode of payment for EMD be accepted.
- 2. If tender documents are downloaded from our website or CPPP, valid tender fee for an amount of Rs.500.00 in the form of demand draft of a scheduled bank guaranteed by the RBI, in favour of Centre for Cellular and Molecular Platform (C-CAMP), Bangalore-65.**

3. Entire tender document (Inclusive of Annexure-A to Annexure-E), duly signed & sealed in every page by the contractor, along with technical information. Any deviations from the tender conditions, specifications, makes etc in Annexure -C.
4. Reference of similar completed & ongoing works.
5. Confirmation saying that Schedule I (Annexure F) & Schedule II (Annexure G) are completely filled, and kept in price bid.
5. Site Organization Chart, list of tools, construction equipment & machinery.
6. Valid Labor license to undertake Electrical AMC work, valid PF and valid ESI registration copies etc.

**COVER-II shall contain the following:**

1. Schedule-I (Annexure-F), along with detailed breakup as per the given format.
2. Schedule-II (Annexure-G) as per the given format.

Tenders with COVER-I and COVER-II will be received up to 14.00 hrs on 09/02/2018 by the undersigned at the above address.

COVER-I of the tender will be opened on the same day after 15.00 hrs in the presence of attending tenderers. Opening of COVER-II (Price bid) will be intimated only to those tenderers who are qualified after evaluation of PART-I if there is no deviation found in the part-I then Cover II (Price bid) shall be opened on the same day.

If clarifications are sought by the contractor during the bidding period, the same should be in writing. Both the clarifications from the tenderer and the response to the clarifications from **C-CAMP** should be in writing and all such correspondences should be enclosed along with **COVER-I**.

CEO, C-CAMP does not bind himself to accept the lowest or any other tender, and reserves the authority to reject any or all the tenders or to allot parts of the works to different agencies without assigning any reason thereof.

**Bids validity:** Bids shall be valid for 90 days from the last date of its submission.

**NOTE:**

1. Schedule-II (Annexure-G), shall be operated on 'as and when required basis' only. Quantity mentioned in Schedule-II is indicative only. Quantity may increase or decrease as per the Institute's requirement. C-CAMP, at its discretion may or may not operate schedule-II. Hence, Schedule-II (Annexure G) will not be taken in to account for price bid comparison.

2. Each and every page of the offered bid shall bear the dated signature and seal of the contractor.

Sd/-

HEAD – SE&M.

Annexure- F  
Schedule - I

Annual Maintenance of Contract of Electrical Installations at C-CAMP Including the Substation

<b>Sl. No.</b>	<b>Description</b>	<b>Qty</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1.	Round the Clock operation and maintenance during a complete month of 11 KV/433 Volts Substation at C-CAMP and connected Switchgears and control gears as mentioned in technical specifications. The job includes maintenance of 1 x 500 kVA Transformer and 1 no 500 KVA DG Set with AMF Controls, Maintenance of related H.T/L.T switchgears and connected Electrical installations like water pumps, Diesel pumps, Cooling towers, Battery banks, trip circuit systems etc. The operation also includes 3x40kVA on line UPS and all small ups and monitoring and recording temperatures of fridge and freezers in various laboratories etc. The maintenance includes all preventive and break down maintenance, and all other works assigned by the departmental Engineers. The job also includes additional and alteration of electrical works at various labs in C-CAMP. The job also includes maintenance and up keep of all the records like log books, Drawings, Maintenances schedules and any other facilities required for continuous and safe operation of the substations. C-CAMP has critical requirement of Electrical power and Air Conditioning. In no case, outage of power for more than 5 minutes is acceptable. Hence, the essence of this contract is to achieve "Zero Break Down". The operators deployed must have the required qualification and well experienced in this line as explained in the technical Specifications.	12		Job	
1.a	<b>Payable on monthly billing</b>				
1.b	<b>Reimbursement on production of documents</b>				
	<b>Total</b>				

(Rupees:

)

**Detailed Breakup- Annexure – F**

**Schedule- I Breakup**

**TABLE 'A'**

<b>Sl No</b>	<b>Statutory Benefits</b>	<b>% to be collected from employee</b>	<b>% to be collected by the Contractor</b>	<b>Total %</b>
1	PF	12	13.16	25.16
2	ESI	1.75	4.75	6.5
3	Bonus	-	8.33*	8.33*
4	ELI(Workmen's Comp)	-	3.00	3.00
	<b>Total</b>	<b>13.75</b>	<b>29.24</b>	<b>42.99</b>

\* The amount of bonus payable is 8.33% subject to maximum of Rs. 6999.00 per annum (the ceiling for calculation purpose from the salary or Wages of Rs. 6999.00 per month as per Section 2(13) of Bonus Act, 1965.

**TABLE 'B'**

The current Minimum wages for each of the category to be paid shall be as per table below.

<b>Sr.no</b>	<b>Trade category</b>	<b>Wages per day</b>			<b>Remarks</b>
		<b>Basic</b>	<b>VDA</b>	<b>Total</b>	
1	Sr. Technicians (skilled)	637.00	16.00	653.00	
2.	Technicians (semi skilled)	579.00	14.00	593.00	
3.	Helper (unskilled)	523.00	13.00	536.00	

The above wages are as per the minimum wages prescribed by Ministry of Labor, Govt. of India with effect from 01/04/2017.



**TABLE 'C'**

<b>Sl No</b>	<b>Description</b>	<b>Sr. Technicians (skilled)</b>	<b>Technicians (semi skilled)</b>	<b>Un skilled assistants</b>
1	Salary a) Basic	=	=	=
	b) VDA	=	=	=
	Total per month (Basic +VDA) for 26days	=	=	=
2	Washing allowances (minimum shall be Rs.400/- p.m.)			
3	Uniform, safety shoes, ID card etc. (minimum shall be Rs.400/- p.m.)			
4	Contractors Supervision, Administrative and overhead expenses (includes Records, documentation, Registers, Submission of Statement, Supervisors, labor license, bank Guarantee, tools, equipment, etc.	= %	= %	= %
5	Contractors Profit margin	= %	= %	= %
	Amount	=	=	=
6	<b>Total Direct Expenditure per month(1 to 5)</b>			
	<b>Reimbursable Expenditure</b>			
7	PF (13.16% on Basic + VDA), restricted to Rs.15000.00 (of Basic + VDA).			
8	Bonus (8.33% on Basic or 6999, whichever less), as per existing norms.			
9	ESI at 4.75% on Gross salary except (Washing allowance + Yearly Bonus), OR equivalent insurance restricted to Rs.21000.00			
10	ELI (Workmens Compensation) 3% on Basic+VDA subject to a maximum salary of Rs.4000.00.			
11	Goods Service Tax of 18 on 'Total direct expenditure' indicated at Sr.no.6 above.			
12	<b>Total Reimbursable Expenditure (7 to 11)</b>			
13	<b>Total Expenditure for per person/per month ( 6 + 12 )</b>			
14	<b>No. of Employees proposed</b>			

15	<b>Total Expenditure per month (sr.no.13x sr.no.14)</b>			
16	<b>Total Expenditure per year (12 months x expenditure indicated in row 15)</b>			
		<b>A</b>	<b>B</b>	<b>C</b>
<b>Total amount per year ( A + B + C )</b>				
16	<b>Payable on monthly Billing towards wages charges.</b>			
17	<b>Reimbursement on production of documents on monthly billing including GST.</b>			
18	<b>Total payable amount per month (16+17)</b>			

- Specify designation and experience in the field with level for each column.
- Please specify and attach separate sheets, if necessary.
- All efforts have been made to indicate our requirement. However it is the responsibility of the contractor to fulfill the scope of work as per our requirement without any extra cost. Therefore adequate care must be taken before bidding to ensure that all items are covered.
- In order that the bidders have a clear idea, it is important that the perspective contractors visit C-CAMP to see the area and work and have discussions before submitting the bids.

All amounts in Table-B to be indicated in figures. In the event of any discrepancy/erasures only the lowest figure will be considered. The Contractor shall quote salary, supervision & admin. Charges, contractor's margin, (Sl. No. 1, 4 & 5 above) and the rest are either percentages of salary or fixed as indicated herein.

**The Contractor shall supply 2 sets of uniform and one set of safety footwear which consists of safety shoes, socks (minimum two pairs) within a month of award of contract and a fresh set will be issued if the contractor is renewed beyond one year by the 13<sup>th</sup> month if renewed for 2<sup>nd</sup> year.**

**The monthly and periodical permia/subscription on all the above shall be paid by the Contractor and the quantum to be paid by the employee shall be collected from each employee by the Contractor or deducted from their salary.**

Total amount per year in words: \_\_\_\_\_

\_\_\_\_\_  
(SIGNATURE OF THE CONTRACTOR)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(COMPANY SEAL)

## Annexure - G

## Schedule- II

## CENTRE FOR CELLULAR AND MOLECULAR PLATFORM

**Name of the Work: Annual Maintenance Contract for Electrical System at C-CAMP**
**Rate contract for following consumables as and when required basis.**

<b>Sl. No.</b>	<b>Description of the item</b>	<b>Make</b>	<b>Qty (Aprrx.)</b>	<b>Unit</b>	<b>Rate per Quantity</b>
1	14W -T5 Florescent lamp- 2 feet	Phillips	25	nos	
2	28W- T5 Florescent lamp- 4 feet	Phillips	10	nos	
3	5/6A, MK make clip in switch	MK	50	nos	
4	5/6A, 5 pin clip in Socket	MK	50	nos	
5	16A, clip in switch	MK	25	nos	
6	16A, clip in socket	MK	25	nos	
7	2x14W Electronic choks suitable for T5 fittings	Phillips	10	nos	
8	2x28W Electronic choks suitable for T5 fittings	Phillips	10	nos	
9	5W CFL lamp Pin type	Phillips	10	nos	
10	Digital timer	Frontier	10	nos	
11	MCBs "C" Curve of following ratings	Legrand			
a	6amps, 230/415v single pole, C-curve	Legrand	10	nos	
b	10amps, 230v/415v single pole, C-curve	Legrand	10	nos	
c	16 amps, 230v/415v single pole, C-curve	Legrand	10	nos	
d	20 amps, 230v/415v single pole, C-curve	Legrand	10	nos	
e	25amps 4pole, C curve, 415V	Legrand	5	nos	
f	40 amps, 4 pole, C curve, 415V	Legrand	5	nos	
g	63 amps, 4 pole, C curve, 415V	Legrand	5	nos	
12	ELCB's -415v, 50 Hz, <b>300mA</b> 4pole				
a	25 amps	Legrand	2	nos	
b	40 amps	Legrand	2	nos	
c	63 amps	Legrand	2	nos	
13	Supply of 1100V grade, XLPE, 4Cx10Sq.mm Aluminium armored cable as per IS	Finolex/havells	100	mtrs	

<b>Sl. No.</b>	<b>Description of the item</b>	<b>Make</b>	<b>Qty (Aprrx.)</b>	<b>unit</b>	<b>Rate per Quantity</b>
14	Supply of 1100V grade, XLPE 4Cx16Sq.mm Aluminium armored cable as per IS	Finolex/havells	100	mtrs	
15	Supply of 1100V grade, XLPE, 4Cx25Sq.mm Aluminium armored cable as per IS	Finolex/havells	100	mtrs	
16	Supply of 1100V multi strand copper wire, FRLSH ( 90 mtr/coild)				
a	1.5 Sq.mm	Finolex/havells	10	coil	
b	2.5 Sq.mm	Finolex/havells	5	coil	
c	4.0 Sq.mm	Finolex/havells	5	coil	
17	Supply of multi strand, double insulated, 1100V grade- PVC copper cable (100mtr/coil)				
a	1.5 Sqmm – 3 core	Finolex/havells	2	coil	
b	2.5 sq.mm – 3 core	Finolex/havells	2	coil	
c	4 Sq.mm – 3 core	Finolex/havells	2	coil	
18	Filteration of 500kVA Transformer oil once in every year. Scope of work includes arranging filter plant (authorized from KPTCL/CPRI) at site and filtration of oil as per standard. It also includes BDV tests, moisture tests and acidity tests. Arranging reports from agency. Filtration should be done in accordance with IS 1866 & IS 335.	Jobs	1	job	

\_\_\_\_\_  
 (SIGNATURE OF THE CONTRACTOR)

\_\_\_\_\_  
 (DATE)

\_\_\_\_\_  
 (COMPANY SEAL)