



TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT, RESEARCH &
EDUCATION IN CANCER (ACTREC)
Kharghar, Navi Mumbai-410 20
(A Grant-in-Aid Institute under Department of Atomic Energy, Govt. of India)

Date: 05/06/2023

Tender No: TMC/ACTREC/ENGG/ KRS/SQ-20/Power Supply to UPS/2023
To,

Short Term Tender

Sealed Quotations are invited on behalf of the Director, ACTREC, for carrying out the work mentioned below, which will be received in the office of the undersigned i.e. Advanced Centre for Treatment Research and Education in Cancer, Tata memorial Centre, Plot No 1 and 2, Sector-22, Kharghar, Navi Mumbai-410210, Maharashtra, India, from competent contractors who have carried out the work of similar kind and magnitude, Schedule of quantities is enclosed herewith.

Sr. No.	Name of work	Tender cost (Basic rate) (Rs.)	EMD (Rs.)	Tender Cost (Rs.)
1.	"Providing power supply to 60 KVA UPS IN Bio Bank building."	1,53,415.00/-	3,068.00/-	NIL

Earnest Money deposit – 2% of Tender amount i.e. Rs. 3,068.00/- to be submitted in the form of Cash Receipt/BG/ Insurance Security Bond/ Fixed deposit /DD/ issued by Scheduled Bank in Favour of Account officer , TMC-ACTREC, payable at Navi Mumbai.

- 1) Rs. 3,068.00/- in the form of Cash Receipt/FDR/DD as prescribed above.
- 2) EMD in the form of Cheque will not be accepted.
- 3) EMD – As per circular Dt:12th November 2020 from Ministry of Finance and Rule 170 of General Financial Rules (GFR's) 2017, Micro and Small Enterprises (MSE's) and the firms registered with concerned Ministries / Departments are exempted from submission of EMD provided the submission of MSME Certificate by the Vendor along with tender.

Further, in lieu of Bid Security, Bidders to sign "Bid Security Declaration" accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the period of ONE YEAR from opening of financial bid.



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The undersigned may be contacted between 10.00 a.m. to 5.00 p.m. on any working day.

Submission of Tender:

The Quotation to be submitted in sealed envelope subscribed **“Providing power supply to 60 KVA UPS IN Bio Bank building.”**

Sealed Quotation must be entered and endorsed at main gate before due date and time. Envelope received without endorsement at main gate and or after stipulated date or time will not be entertained.

The tender document can be purchased from 2nd floor, KS-203 Engineering services, Khanolkar Shodhika, ACTREC, Tata Memorial Centre, Kharghar, Navi Mumbai-410210 during working hours with payment of tender cost.

Purchase Date of tender: from 06/06/2023 15:00 Hrs. to 14/06/2023, 15:00 Hrs.

Last date of submission of hard copy of Tender is: 14/06/2023, 13:00 Hrs.

Date of Opening of Techno Commercial Tender: 14/06/2023, 15:30 Hrs. in the presence of tenderers or their authorized representative present at the time of opening.

Authorized representative of agency can visit the site to know the actual scope of work and to clarify any queries before quoting and final date of submission.

The agency can contact on:

Phone No: 022-6873 5000, Ext 5710, 8320898363, 8547454668

Email id- ykhair@actrec.gov.in , Ksuthar@actrec.gov.in , jayeshkumarp@gmail.com,

The rate quoted shall be basic only and GST extra applicable as per the Schedule of Quantity. In force and no extra will be paid over and above the quoted rates.

The entire work is to be completed within **30 Days** in accordance with the time schedule.

2.5% of the total value of work will be deducted from the bill(s) towards Security Deposit and which shall be released on the expiry of defects liability period of one year.

3% of tender value of work will have to submit toward performance security after acceptance of tender. The same will be returned on satisfactory completion of work.



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SCOPE & LOCATION OF WORK: -

Scope is to provide power supply for new 60KVA UPS in Bio bank building.

1. Supply, installation, testing & commissioning of 3.5core x 50sqmm armoured aluminum cable the following cable on wall/floor/ceiling/structure member or on cable trays or underground, using MS spacers and GI saddles, cable clamp etc. complete in all respect. Cable, conforming to IS: 1554/Part 1/1998, XLPE, Aluminum stranded conductor, armoured, 1100 V class 3.5 x 50 sq. mm A2XFY Aluminum Conductor cable including all fixing accessories
2. Supply and fixing of 125A MCCB including metal body enclosure suitable for cable connection of 3.5core x 50sqmm, MCCB 125A , 415volt 3 ph. , 50HZ , TP+N 125 A-36kA MCCB-FROH with cable spreader , Manual, with integral LSIG protection, Rotary operating knob from outside ON OFF , including Phase separator , Protection sheet and including all fixing accessories.
3. SITC of Tinned copper earth plate electrode 600 x 600 x 3.15 mm earth station, 2.5 mtr below ground level as per drawing complete with all required materials like Cole, charcoal, salt, brass nut bolts & washers, watering arrangements, GI pipe (B class), concrete chamber, heavy duty cast iron cover plate & excavation in all types of soil in ground refilling & removal excess earth within a radius of 500 mtr. Etc.

Note: 1.The chamber cover & plate shall be of heavy-duty hinged type & it shall weigh approx. 65 to 75 Kgs. For 450 x 450 mm size & shall be got approved by dept. (6 mm chequered plate with 40 x 40 x 6 mm angle iron frame)

2. Plastering shall be done both inside & outside. The measurement of resistance of earth station & resistance of complete scheme of earthing layout shall be measured, recorded & got approved by Engg-in-charge.
4. Supply, Installation, Testing and commissioning of 25 mm x 3 mm COPPER strip on surface or in recess for connections including all fixing accessories etc. as required
5. Excavation of hard rock / RCC road cutting as per required 900/1200 mm below ground level including blasting & chiseling, using compressor, dewatering, back filling, if necessary disposal of excess earth within the radius of 500 Mtrs etc. stacking of rocks at selected places as per instruction of EIC. The scope also includes backfilling and final finishing of the excavated length.
6. All civil related works like penetration in wall required for cable laying including finishing of the same to be carried out by the agency.
7. The location of work will be shown by ACTREC



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8. The agency has to arrange scaffolding / ladders to carry out the work at high where ever it required.
9. The agency is requested to visit the site to know actual scope of work before quoting.
10. The scope of work covered in this Tender shall be as per the Bill of Quantities, Specifications, Drawings, Instructions, Orders issued to the Contractor from time to time during the pendency of work.
11. The quantities of various items as entered in the "BILL OF QUANTITIES" are indicative only and may vary depending upon the actual measurement. The Contractor shall be bound to carry out joint measurement for bills.
12. The contractor shall provide all necessary measuring instruments material, labour, tools and plants required to execute the work.
13. Safety barricading/Safety Tape shall be provided by Contractor, if required.
14. The Contractor shall clean up and properly dispose of any excess materials and debris resulting from the work.

Technical specifications

MOULDED CASE CIRCUIT BREAKER:

The MCCB shall be air break type and having quick make quick break with trip free operating mechanism. Housing of the MCCB shall be of heat resistant and flame retardant insulating material. Operating handle of the MCCB shall be in front and clearly indicate ON / OFF / TRIP positions. The electrical contact of the circuit breaker shall be of high conducting non-deteriorating silver alloy contacts. The MCCB shall be provided with microprocessor based trip units. All the releases shall operate on common trip busbar so that in case of operation of any one of the releases in any of the three phases, it will cut off all the three phases and thereby single phasing of the system is avoided. The MCCB whenever called for in the drawings shall provide an earth fault relay. The MCCB shall provide two sets of extra auxiliary contacts with connections for additional controls at future date. • All MCCB should be $I_{cs}=100\%I_{cu}$ at 440V. • Minimum Insulation voltage should be 600V. • MCCB should be operate its rated current at ambient temperature 40 degree C without derating. • The MCCB should provide the flexibility of terminating line and load from any direction. (Line and load reversibility) • All MCCB"S should be current limiting type. • All MCCB"S having class II front facia. MCCB"S accessories should be clip on type. • All thermal magnetic and microprocessor based MCCB should be adjustable type having minimum 36KA, $I_{cs}=100\% I_{cu}$. • 400Amp and above rating of MCCB"S are 50KA Microprocessor based.



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Cable Glands and Lugs

Cable glands shall be Double compression type, tinned/Nickel plated (coating thickness not less than 20 microns in case of tin and 10 to 15 microns in case of nickel) brass cable glands for all power and control cables. They shall provide dust and weather proof terminations. They shall comprise of heavy duty brass casting, machine finished and tinned to avoid corrosion and oxidation. Rubber components used in cable glands shall be neoprene and of tested quality. Required number of packing glands to close unused openings in gland plates shall also be provided. The cable glands shall be tested as per BS: 6121. The cable glands shall also be duly tested for dust proof and weather proof termination.

Cables lugs shall be tinned copper solder less crimping type conforming to IS: 8309 and 8394 suitable for aluminium or copper conductor (as applicable). The cable lugs shall suit the type of terminals provided. The cable lugs shall be of Dowell make or equivalent. General All material shall conform to relevant standard as per BIS and shall carry ISI mark. If any particular category of material for which ISI mark is not available in market, it shall be approved from EIC.

Payment Terms:

Payment shall be given for the work actually executed by the agency and the executed quantities items wise will billed after taking joint measurement between contractor and Engineer-in charge. Payment term other than above mention will not be accepted. Payment will released 100 % after completion of work.

DLP period.

Agency has to provide 1 year warrantee for all material supplied. DLP period will be 01 year.

Safety:

All the contractor's personnel working in ACTREC campus must follow safety norms and shall be complete with approved safety devices wherever a potential hazard , electrical hazards to personnel exists and with provision for safe access of personnel to and around equipment for operational and maintenance functions. It shall be the responsibility of the contractor that all necessary safety measures and precautions are invariably ensured while performance of the contract work and CLIENT shall not be responsible for any injuries / accidents suffered by contract labour. The agency is required to provide First Aid Box with all accessories at suitable location during contract period.

Documents to be submitted:

1. PAN card
2. GST registration certificate.
3. ITR for last 3 yrs.
4. Proof of contractor registration (firm/company registration)
5. Electrical License of contractor.
6. Copy of similar work order including work completion certificate such as Agency should have carried out the SITC of electrical cabling works , electrical switchgears works , earthing etc.
7. All required documents to be submitted along with the Tender duly signed & stamp.
8. Self-declaration Make in India as given below:



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Make in India Status:

Having read and understood the Public Procurement (Preference to Make in India PPP - MII) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

Self-Certification for the category of suppliers:

(Provide a certificate from statutory auditors/ cost accountant in case of Tenders above Rs 10 Crore for Class-I or Class-II Local Suppliers OR for below 10 Cr. Self-declaration certificate).

Details of local content and location(s) at which value addition is made are as follows:

Local Content and %age	
Location(s) of value addition	

Therefore, we certify that we qualify for the following category of the supplier (tick the appropriate category):

- ☐ Class-I Local Supplier/
☐ Class-II Local Supplier/
☐ Non-Local Supplier.

We also declare that.

- ☐ There is no country whose bidders have been notified as ineligible on a reciprocal basis under this order for the offered Services, or
☐ We do not belong to any Country whose bidders are notified as ineligible on a reciprocal basis under this order for the offered Services.

Rates quoted in the tender shall be valid for 60 days.

Canvassing in connection with tender/quotation is strictly prohibited.

Lowest bidder will be decided on quoted basic value only.

The Director, ACTREC reserves the right to reject any or all the quotations or allot part of the work to different agencies without assigning any thereto.

Officer-in-Charge,
Engineering Services,
ACTREC

Encl: 1} Blank Schedule of Quantities separately



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NOTE:

- 1) Agency should visit the site to know actual scope of work before quoting.
- 2) Material brought to the site shall be endorsed at security gate and copy of this same shall be given to engineering department.
- 3) Rate shall be quoted Basic only and GST as applicable will be extra.
- 4) Material required at site should be assessed by the agency and bill will not be settled for excess/supplied items. AMC to be done as per contract schedule & whenever required
- 5) The agency will be in charge of overseeing the right behavior of any personnel they hire to carry out this work.
- 6) All applicable labour laws must be followed by the agency while they are in effect.
- 7) Bill will be settled as per actual measurement/satisfactory service
- 8) If any of the quantities of the products exceed the necessary quantities, the agency must notify the engineer in charge of the work in writing and get permission in advance to execute the excess quantities. Rates for any additional items, if any, shall be agreed upon prior to the execution of such things.
- 9) The contractor shall be liable to pay a compensation for delay of work, equal to 1.0% of the work order value or the amount determined by the Director, ACTREC per month of delay, to be computed on a daily basis on the said estimated cost of the entire work, if the work is not started or completed within the stipulated period as mentioned in the tender. As long as the entire amount of compensation for delays paid under this condition does not exceed 10% of the value of the work or of the item or group of items for which a distinct time of completion was initially specified, as applicable.
- 10) ACTREC reserves the right to terminate the contract immediately and without notice if the agency's work is deemed unacceptable. Any remaining work will be done at the agency's expense and risk. Before terminating the contract by ACTREC, one month's written notice will be given if it is no longer necessary. Contract termination by any party will result in forfeiture of the EMD, Security Deposit, etc., which will be credited to ACTREC.
- 11) The Agency's considerate attention is necessary for the income tax recovery. A recovery of income tax at 2% and any other rate, etc., as



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prescribed by the Ministry of Finance from time to time, will be made from all bills in respect of the mentioned work, and the amount so deducted will be credited to income tax authorities. An official certificate for the amount so credited will be issued by the accounts officer, ACTREC, in accordance with the Ministry of Finance's instructions. Any additional taxes will be withheld at source in accordance with government regulations, and the Accounts Officer, ACTREC, will issue you a certificate for those additional taxes.

Date:

sign & seal of
contractor



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Bid Security Declaration
(To be executed on letter head of bidder)

Whereas, I/we (Name of agency)have submitted
bids for (Name of Work) NIT
No.....

I/We hereby submit following declaration in lieu of submitting Earnest Money Deposit:-
(1) If after the opening of tender, I/we withdraw or modify my/our bid during the period
of validity of tender (including extended validity of tender) specified in the tender
documents,

OR

(2) If, after the award of work, I/we fail to sign the contract, or to submit performance
guarantee before the deadline defined in the tender documents,
I/We shall be suspended for one year and shall not be eligible to bid for ACTREC/TMC
tenders from date of issue of suspension order.

Signature of the Contractor(s)
With Seal and Date



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Self-Certification for the category of suppliers

(To be executed on letter head of bidder)

Self-Certification for the category of suppliers:

(Provide a certificate from statutory auditors/ cost accountant in case of Tenders above Rs. 10 Crore for Class-I or Class-II Local Suppliers OR for below 10 Cr. Self-declaration certificate).

Details of local content and location(s) at which value addition is made are as follows:

Local Content and %age	
Location(s) of value addition	

Therefore, we certify that we qualify for the following category of the supplier (tick the appropriate category):

- ☐ Class-I Local Supplier/
☐ Class-II Local Supplier/
☐ Non-Local Supplier.

We also declare that.

- ☐ There is no country whose bidders have been notified as ineligible on a reciprocal basis under this order for the offered Services, or
☐ We do not belong to any Country whose bidders are notified as ineligible on a reciprocal basis under this order for the offered Services.

Signature of the Contractor(s)
With Seal and Date