

**CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD**  
(Council of Scientific & Industrial Research)  
**NOTICE INVITING TENDER**  
(Displaying in Notice Boards)

No. 23(386) / 2009-GA /731

Dated: 30.10.2009

Sealed tenders are hereby invited from bonafide Govt. Electrical Contractors registered with CPWD, State PWD, MES, Post, Railways, Defence and other Govt. Department, , or any working contractor of CSIR Laboratories and who have successfully completed at least 3 ( three) similar type works (equal to 40% of the estimated value) or 2 ( two ) similar type works ( equal to 50% of the estimated value ) or 1 ( one ) similar type work ( equal to 80% of the estimated value) in last 7 (Seven) years.

| Sl. No. | Description of Work   | Estimated Value (Rs) | Earnest Money (Rs) | Time of completion | Cost of Tender document (Rs) |
|---------|---|----------------------|--------------------|--------------------|------------------------------|
| 1.      | <b>Separate HT domestic electric supply for residential complex of CIMFR Hq. Dhanbad.</b> | <b>20,20,000=00</b>  | <b>40,400=00</b>   | <b>60 days</b>     | <b>500=00</b>                |

The following proof of documents in original or duly attested to be produced at the time of issuing Tender paper and also to be submitted along with submission of tender for verification.

1. Valid electrical licence
2. Latest income Tax Clearance Certificate./ PAN
3. Valid Sales-Tax Registration No. and clearance certificates.
4. Completion Certificate along with Payment received of similar works (including schedule) of values as mentioned above from an officer not below the rank of Executive Engineer of the concerned department.
5. Tender papers will not be issued by postal arrangement.

**Tenders to be submitted in 2 Bid System**

**Part – I**

**(Techno-Commercial Bid)**

**Consists of following documents**

- a) Proof of documents as mentioned above (1-4)
- b) Earnest Money
- c) Cost of Tender Documents (In case of tender document down loading from CIMFR Website)

**Part – II**

**(Price Bid)**

**Consists of following documents**

- a) Costing along with full specifications of the items involved in the work including all Taxes & Levies as per different laws.

Tender paper will be on sale from 05/11/2009 to 26/11/2009 on payment basis (Non refundable) on all working days of CIMFR up to 4:00 P.M. and will be also available in CIMFR website [www.cimfr.nic.in](http://www.cimfr.nic.in) that can be downloaded for submission. Those parties who submit their tenders after downloading, shall be required to pay the above mentioned amount (Cost of Tender Documents) in form of Account Payee D.D drawn in favour of Director, CIMFR, Dhanbad payable at SBI, Hirapur (Code-1670), along with their Technical Bid.

The Part-I & Part – II are to be individually sealed in separate envelopes and are to be put in a 3<sup>rd</sup> envelop which shall also be sealed and super scribed with the name of work in bold letters, address of the depositors and to be dropped in the Tender Box kept in the Office of the Administrative Officer, CIMFR, Dhanbad, after obtaining date, signature of Administrative Officer/ Section on or before 01/12/2009 at 3:00 P.M. and will be opened on the same day at 3:30 P.M. in presence of the intending tenderers or their authorized representatives whoever present themselves at the time of opening of tenders.

- Ø IT IS REQUIRED TO SUBMIT THE COST OF TENDER DOCUMENTS ALONG WITH TECHNICAL BID AS MENTIONED ABOVE.
- Ø EARNEST MONEY SHOULD BE DEPOSITED IN THE FORM OF ACCOUNT PAYEE DEMAND DRAFT PAYABLE AT SBI, HIRAPUR (CODE- 1670) DHANBAD IN FAVOUR OF DIRECTOR, CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD.
- Ø INCOMPLETE TENDERS, LATE / DELAYED TENDERS AS WELL AS TENDERS WITHOUT EARNEST MONEY WILL BE SUMMARILY REJECTED.
- Ø DIRECTOR, CIMFR, RESERVES THE RIGHT OF ACCEPTING ANY TENDER IN PART OR IN FULL OR REJECTING ALL WITHOUT ASSIGNING ANY REASON.
- Ø LOWEST QUOTING FIRM HAS TO BE SUBMITTED PERFORMANCE GUARANTEE FOR AN AMOUNT EQUAL TO 5% OF THE CONTACT VALUE IN CDR/FDR/DD AS PER RULE BEFORE AWARDING THE JOB.
- Ø IN ADDITION TO THE PERFORMANCE GUARANTEE STATED ABOVE, A SUM @ 10% OF THE GROSS AMOUNT OF THE BILL SHALL BE DEDUCTED FROM EACH RUNNING BILL OF THE CONTRACTOR TILL THE SUM ALONG WITH THE SUM ALREADY DEPOSITED AS EARNEST MONEY, WILL AMOUNT TO SECURITY DEPOSIT OF 5% OF THE TENDERED VALUE OF THE WORK.
- Ø ESTIMATE BASED ON DSR – 2007 & LOCAL MARKET.
- Ø GCC CAN BE SEEN AT ELECTRICAL MAINTENANCE SECTION DURING OFFICE HOURS IF REQUIRED BY THE PARTY.
- Ø JSEB / CPWD SPECIFICATION WILL BE FOLLOWED STRICTLY DURING EXECUTION.

**Important Notes for Contractors:**

1. The tender has to be submitted in the downloaded original computer print out (preferably A-4 size paper) from the website. The photocopy shall not be accepted.
2. The credentials for meeting the eligibility condition shall be submitted along with the cost of tender. The credential shall be self attested and the original documents shall be produced at time of tender opening.
3. If during the opening of the tender or during process of tender finalization it is detected that the tender has submitted tender documents after making changes / additions / deletions in the tender documents from the website the offer shall be summarily rejected and the EMD deposited by the tender shall be forfeited in addition to other action as per the prevalent rules.
4. All general conditions are available in the web for reading and down loading. This need not be enclosed along with the tender.
5. Tender forms shall be submitted in stitched and sealed form.
6. The item rates quoted shall be inclusive of all taxes / duties, entry tax etc. Nothing extra will be paid. No concession forms / certificates will be issued by the department and the same should be quoted both in words as well as in figures.
7. The rates for all items of work shall include cost of all labour, materials and other inputs involved in the execution of the item as specified in the scope of work.
8. Tenders with conditional rebate offer will be summarily rejected. CIMFR, reserves the right to accept the quantity in full or in parts.
9. Any additional condition will not be accepted and in case of such an event, the tender is liable for rejection.
10. Rates may be quoted in the schedule only and if quoted else where the same shall not be considered.

Sd/-  
In-charge, (Electrical)

Sd/-  
Co-ordinating Scientist

Sd/-  
Administrative Officer

## Electrical Maintenance Section

## ABSTRACT OF COST ORIGINAL ESTIMATE PART -- B

**Name of Work :- Separate HT Domestic electric supply for residential complex of CIMFR Hq. Dhanbad.**

| Item No. | Description of work  | Quantity or No. | Rate | Unit  | Amount |    |
|----------|--|-----------------|------|-------|--------|----|
|          |  |                 | Rs.  |       | Rs.    | P. |
| 1. *     | Providing supply & fixing of pvc insulated pvc sheathed aluminium conductor armoured cable of 1.1 KV grade size – 1 x 3.5 x 240 sq.mm. NICCO/ GLOSTER / UNIVERSAL make. Test certificate and original challan from authoresed dealer / agency is to be provided alongwith material. (IR value should be greater than 100 Mega ohm).  | 1440 meter      |      | meter |        |    |
| 2.       | Laying of one number PVC insulated PVC sheathed 1.1 KV grade 240 sq. mm 3 & ½ core cable direct in ground including excavation sand, cushioning and protective covering and refilling the trench etc. as required.   | 1370 meter      |      | meter |        |    |
| 3.       | Laying of 240 sq mm 3&1/2 core cable through G.I. pipe with road cutting and refilling including supply of G.I.pipe.   | 70 meter.       |      | meter |        |    |
| 4.       | Supply & Fixing of 4 strip Bus bar made of copper strip (3000x50x10)mm into two equal parts with 16 nos. of insulator and suitable link made of same strip on floor and wall with angle iron frame with 4 out - going and 2 incoming cable entry box including earth connection with body in a suitable GI box with Ammeter (0 – 600A) & Voltmeter (0 – 500V) and selector switch. | 1set.           |      | each  |        |    |
| 5.       | Supply & Fixing of 400 A, ICTPN switch, side operated, 415/500V with HRC fuse, fixing on MS angle iron grouting on floor with cable entry box. (Make: HPL / Havells / GE )   | 3 nos.          |      | each  |        |    |
| 6.       | Supply & Fixing of 200 A, ICTPN switch, side operated, 415/500V with HRC fuse, fixing on MS angle iron grouting on floor with cable entry box.   | 2 nos.          |      | each  |        |    |
| 7.       | S/F of weather proof LT terminal box made of 14 SWG MS sheet with 400A, 3 Pole MCCB of 50 KA breaking capacity, overload protection range (160A-300A), including provision for end termination for outgoing LT cable, provding 4 nos copper bus bar of size 25x10mm in between transformer out put and MCCB, painting etc as reqd.   | 3 nos.          |      | each  |        |    |
| 8.       | Supplying and making end termination with brass compression glands and aluminium lugs for240 sq. mm 3 & ½ core aluminium conductor cable 1.1 KV grade including earthing complete as required.   | 24 nos.         |      | each  |        |    |
| 9.       | Earthingwith copper plate 600mm x 600 mm x 3mm thick including accessories and providing masonary enclosures with cover plate having locking arrangements and watering pipe etc. (but without charcoal / coke and salt) as required. ( neutral -2, body -2, LA-2)  | 2 sets          |      | set   |        |    |
| 10.      | Extra for salt and charcoal for copper plate earth electrode as reqd.  | 2 sets          |      | set   |        |    |
| 11.      | Providing & fixing 25mm x 5mm copper strip in 40mm dia 'B' Class GI pipe from earth electrode as reqd.   | 70 meter        |      | meter |        |    |

|     |  |          |  |       |  |  |
|-----|--|----------|--|-------|--|--|
| 12. | Providing & fixing 25mm x 5mm copper strip on surface or in recess for earth connections as reqd.  | 50 meter |  | meter |  |  |
| 13. | Providing & fixing copper earth bus bar of section 50mm x 12.5mm thick, 1.2meters long with brass bolts, nuts and copper washers on suitable epoxy resin cast bus bar insulators as required.  | 2 sets   |  | set   |  |  |
| 14. | P/F 4mm dia copper on post / recess for loop earthing as required (for CT/ PT unit TOD meter fencing / kiosk etc)  | 40 meter |  | meter |  |  |
| 15. | Supplying & Fixing a set of GI buckets each set comprising 2Nos buckets of 9 litres capacity and inscription ' FIRE' in signal red colour on each bucket including providing & fixing suitable MS brackets with hooks for hanging the buckets, painting & filling the buckets with dry sand. | 1 sets   |  | set   |  |  |
| 16. | Supplying & Fixing of wall mounted 4.5 Kg capacity CO2 fire extinguisher (ISI marked BSNL approved make) complete with hose pipe & horn etc. I/c initial filling of charge, providing hooks on the wall etc . as required.   | 1 nos.   |  | each  |  |  |
| 17. | Providing and fixing a suitable enclosure with lock and key facility and fixing of each meter within the enclosure for safeguard along with electrical wiring and necessary civil work wherever necessary.   | 320 nos  |  | each  |  |  |
|     |  |          |  |       |  |  |

## **SPECIFICATIONS & MAKE :**

CABLE: Niccc / Gloster / Universal or any other ISI marked.

**GI PIPE:** TATA / JINDAL

**ICTPN SWITCH:** Make: HPL / Havells / GE

**MCCB:** L&T DN2 250S or SS.

### **SPECIAL CONDITIONS OF CONTRACTS:**

1. **PROGRAMME FOR EXECUTION:**

The firm shall supply detailed programme to Engineer-in-charge for execution of contract within 10 days of award of work. The programme shall contain details about submission of drawing, supply of materials, tentative dates for installation and commissioning.

2. **STORES AND SAFETY:**

All the stores and materials required for the satisfactory completion of the work shall be arranged at work site by the contractor from his own sources. Lockable space for storing the materials may be provided on request from the contractor. However, safe custody of material stored at site will be the responsibility of the contractor.

3. **COORDINATION AT SITE:**

At the site of work more than one agency may be working. Full cooperation shall be extended to other agencies during progress of work. Further, work shall be carried out in such a way so that it may not cause abnormal noise and hindrance to the officers of the department engaged in erection as well to normal routine work.

4. **COMPLETION DRAWINGS:**

The firm shall supply three sets of drawings/documents within 30 days after completion of the work as detailed below, neatly arranged in folders.

- Installation drawing giving complete details of the entire equipments including foundation.
- Line diagram of power supply/distribution through Substation.
- Electrical drawing giving switch gear capacity, protective fuses, control wiring etc.

5. **GUARANTEE AND DEFECT LIABILITY:**

- The guarantee shall be valid for twelve months after successful commissioning Or 18 months from the date of supply of equipment whichever is earlier. The contractor shall guarantee that all equipments shall be free from any defect due to the defective material and or bad workmanship and also the equipments shall work satisfactorily with performance and efficiencies not less than the guaranteed values.
- Any part found defective during this period shall be replaced free of cost by the contractor. The service of the contractor's personnel if required during this period shall be made available free of cost to the department. The contractor shall depute his representative within 36 hours of notification of the defect by the department.
- A joint report shall be prepared by the representative of department and firm regarding nature of defects and remedial action required. Time schedule for such action shall also be finalised.
- In case the contractor fails to depute his representative within 36 hours of notification of the defect or fails to cause remedial action within reasonable time as decided during joint inspection, the department may proceed to do so at the contractor's risk and expenses and without prejudice to any other right.

6. **TESTING AT SITE:**

The firm shall carry out the following tests at site and submit record to Engineer-in-charge.

- Megger test between phases, neutral and earth.
- Performance test for MCCB and the energy meters.

7. \* The test certificate for the subject item will be verified by us. The material will not be accepted if it is found not original.