



BURN STANDARD COMPANY LIMITED
(A Government of India Undertaking)
MINISTRY OF RAILWAY
22 B, Raja Santosh Road,
ALIPORE, KOLKATA – 700 027
Website : www.burnstandard.com
E-mail : burnstandard@yahoo.co.in

Ref : MM/CAP/HW/11-12/175

Date : 26.12.2011

To.....

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Dear Sirs,

Sub : Tender for Installation of new 6 KVA Electrical Substation with Control Panel

Ref : Tender No. MM/CAP/HW/11-12/175 dated 06.01.2012
Last date for Sale of Tender Document: 05.02. 2012
Date & Time of Submission: By 2:30 PM on 06.02.2012
Date & Time for opening of Tender : At 3:00 PM on 06.02.2012.
Cost of Tender Document: Rs 500/-

Sealed tenders are invited for Making of Drawing, designing, erection, testing and commissioning of 6 KV sub-station for commissioning of 500 KVA transformer at Howrah Works.

The scope of work includes the following work:-

1. 1 Panel with VCB 11 K V Grade 800 Amps. H.T. V.C.B with all necessary relay & Protection (Make – AREVA/ELECTRO TEKNIKA/ SIEMENS/Crompton Greaves).
2. 1 – Panel with VCB 11 K.V. Grade 400 Amps. H.T.V.C.B. with all necessary relay & Protection for Transformer controlling (Make – AREVA/ELECTRO TEKNIKA/ SEIMENS/CROMPTON GREAVES).
3. 240 MM² X 3 Core 11K.V. Grade H.T. XPLE(E) Al. Cable – 450 Mtrs.(GLOSTER/POLY CAB/ C.C.I)
4. 185 MM² X 3 Core 11 K.V. Grade H.T. XLPE(E) Al. Cable – 100 Mtrs. (GLOSTER/POLY CAB/ C.C.I) .
5. 240 mm² X 3 Core 11 K.V. Grade H. T. Heat Shrinkable jointing Kits Indoor Type) 3 Nos. (GLOSTER/POLY CAB/ C.C.I).
6. 185 MM² X 3 Core 11 K.V. Grade H.T. Heat Shrinkable jointing Kits Indoor Type) 2 Nos. (GLOSTER/POLY CAB/ C.C.I).
7. 1000 Amps. L.T. Distribution ACB Panel with Copper Bus-Bar (1600 Amps) necessary protection and control Unit 1 Set (Make – L & T / SEIMENS ACB's)
8. 240 MM² X 3-1/2 Core 1.1 K.V. Gr.3 in parallel L.T. Cable – 450 Mtrs (GLOSTER/POLY CAB/ C.C.I).
9. 240 MM² X 3.1/2 Core 1.1. K.V. Gr. L.T. Cable End Termination Kits – 12 Nos.
10. Earthing (Earth Tube & connecting G.I Strips etc.) – as required.
11. Sub-Station L.T. Wiring materials & Equipments – as required.
12. High Voltage Pressure Test & Others Misc. Job.
13. Labour Charge for Erection & Commissioning of H.T. Installation.
14. Labour Charges for L.T. cable laying End Termination etc.
15. Layout Drawing & Designing for H.T. Sub-Station will be required.

(S.K. CHATTERJEE)
DY. GENERAL MANAGER (Coml &MM)

Enclo:

Annexure I: Scope of Work.

Annexure II: General Terms & Conditions.

SCOPE OF WORK FOR NEW PROJECT'S 6KV SUB STATION

The firm shall give details of various control equipments, instrumentation proposed to be installed.

1. TRANSFORMER CONTROL FEEDER (1- PANEL VCB, 1C & OG TYPE)

11 KV grade single panel VCB. The VCB should be mechanically and electrically spring charging facility (by 240 V AC Aux. supply) and mechanically OFF/ON indication in built with 110 V D.C. Power Pack with C.B. C.T. Suitable for 240 / 300 mm², 3 core 11KV grade XLPE cable (Make: AREVA/Electro Technica/C.G.L /Seimens)- **One Set**

Rated Voltage-	12 KV
Making Capacity -	1250 MVA
Breaking Capacity-	25 KA at 12KV
Rated Current-	800 Amps.

Details of controlling (control panel) to be submitted in the offer.

2) Erection, Testing & Commissioning of 11 K.V. 800 Amp. Single Panel H.T. VCB. (I/C & O/G Type) for Main Incoming on readymade foundation (Make:Areva/Electro Technica / CGL/ Seimens).- **1 Set.**

(3) H.T power cables standard compact circular aluminium conductor , conductor screened XLPE insulated , insulation screened with extruded semi conducting compound , aluminium round wire and overall PVC Sheathed (ST-2PVC) black cable conforming to IS -7098/11/85 with latest amendments 11KV Grade. A2XFY Core -3, 240 sq.mm (make-CCI, Gloster, Poly cab)- **450 Mtrs.**

(4) H.T power cables standard compact circular aluminium conductor , conductor screened XLPE insulated , insulation screened with extruded semi conducting compound , aluminium round wire and overall PVC Sheathed (ST-2PVC) black cable conforming to IS -7098/11/85 with latest amendments 11KV Grade. A2XFY Core -3, 185 sq.mm (make- CCI, Gloster, Poly cab) – **100 Mtrs.**

(5) 240 sq mm , 3 core , 11 KV Grade HT Heat shrinkable jointing kits Indoor Type (make RAYCHEM,RPG) - **3 Sets.**

(6) 185 sq mm , 3 core , 11 KV Grade HT Heat shrinkable jointing kits Indoor Type (make RAYCHEM,RPG) - **2 Sets.**

(7) LT Power cable XLPE / PVC insulated PVC Sheathed (Heavy Duty) Armoured Electric Cable with Aluminium Conductor for working voltage 1100 volts to IS 7098 (PART-1) 3.5 core, 240 sq.mm (make –Finolex, Gloster, Polycab) – **450 Mtrs.**

(8) 240 sq.mm, 3.5 core, 1100 volt Grade LT cable End Termination Kits. – **12 Nos.**

-----Contd P/2.

(9) Sub Station L.T. wiring materials, equipments and earthing materials.

- (i) MCCB: 400 Amp, 415 V AC, 4 Pole (Make L&T/Seimens/Schneider/ABB) - **2 Nos.**
- (ii) MCCB: 250 Amp, 415 V AC, 4Pole (Make L&T / Seimens / Schneider / ABB) - **2 Nos.**
- (iii) MCCB: 125 Amp, 415 V AC, 4 Pole (Make L&T / Seimens / Schneider / ABB) - **2 Nos.**
- (iv) MCCB: 63 Amp, 415 V AC, 4 pole (Make L&T / Seimens / Schneider / ABB) - **2 Nos.**

10) 1000 Amps LT Distribution ACB Panel with Bus Bar necessary protection and Control Unit (Make L&T, Havells, Siemens) - **1 Set.**

1.1 KV grade single panel ACB panel fitted in steel sheet enclosure with side entry cable box and bottom box cable jointing facility. The ACB should be mechanically spring charging facility and mechanically OFF/ON indication in built. Power Pack with suitable for 240 mm² X 3.5 core, 1.1KV grade PVC insulated cable.

NOTE:

1. All the above work to be done as per I.E. Rule.
2. Contractor should arrange all necessary testing before and after to run the Transformer with load is required.
3. Approx. distance from source to Transformer Zone is 200 mtrs.
4. All the Raw Materials required for completion the job to be supplied by the Contractor at their cost.
5. Visit of Electrical Inspector and to get statutory approval from concern officer to be done by the Contractor.
6. High Voltage Pressure Testing by Govt. approved Concern will have to be arrange by the Contractor.
7. Heavy Tools & Tackles / Hydra Crane to be arrange by the Agency for lifting of Heavy Equipment / Parts at our Site.

(S.K. CHATTERJEE)
DY. GENERAL MANAGER (Coml &MM)

GENERAL TERMS AND CONDITIONS1) **SUBMISSION OF OFFER:**

Offer should be submitted in two parts. Part- I containing techno commercial Bid, Credentials and detailed layout plan. Part-II Price Bid only at the following address.

**Deputy General Manager (Commercial & MM),
Burn Standard Company Limited,
22 B, Raja Santosh Road, Alipur
Kolkata- 700027**

Both Part-I and Part-II bid should be put up in separate envelope and particulars marked on the face of the envelope and properly sealed. The tender No., date of opening should invariably be indicated on the face of the envelope. The envelopes (both Part-I & II) must be put up in a third envelope and to be dropped in the tender box at materials department KOLKATA at the above address at any time prior to the closing date and time.

2) **VALIDITY OF THE OFFER:**

The offer should remain valid for 120 days from the date of opening of the tender.

3) **EARNEST MONEY DEPOSIT:**

An Earnest Money Deposit required to be submitted along with the offer as per the details below :-

Value of Tender	EMD Rs.
Up to 5.00 Lakhs	Rs. 5,000/-
Above 5.00 Lakhs to 10.00 Lakhs	Rs. 10,000/-
Above 10.00 Lakhs to 25.00 Lakhs	Rs. 25,000/-
Above 25.00 Lakhs to 50.00 Lakhs	Rs. 45,000/-
Above 50.00 Lakhs to 1.00 Crore	Rs.1,00,000/-
Above 1.00 Crore to 2.00 Crore	Rs.1,50,000/-
Above 2.00 Crore	Rs.2,50,000/-

EMD to be deposited in the form of DD or Pay order in favour of Burn Standard Co Ltd , payable at Kolkata.

EMD is must for all sources except the firms registered with DGS&D and NISC. Tender without EMD in the desired manner/amount is liable to be rejected. EMD without any interest will be returned to the unsuccessful tenderers after finalisation of the contract. For successful tenderer, EMD shall be converted to Security Deposit.

The earnest money is liable to be forfeited, if the tenderer withdraws or amends impairs or derogates from the tender in any respect within the period of validity of this tender.

4) **SECURITY DEPOSIT.**

Successful Tenderer should deposit a sum of 10% the value of the contract, as a Security Deposit, after adjusting EMD by demand draft /Pay order or Bank Guarantee within 14 days of order. The Security Deposit shall be converted in to Performance Guarantee.

The contractor should give guarantee the material under his scope of supply for its workmanship, materials design and satisfactory performance in accordance with the relevant provisions of this contract. The guarantees for performance include individual items, systems and electrics for the ratings/ output for the integrated operation of the plant. The contractor's responsibility under this guarantee shall not in any way be reduced, diminished or absorbed for any reason whatsoever in respect of supplies, materials and equipment manufactured by the contractor/his sub-contractor.

On completion of satisfactory start-up operation and preliminary acceptance, BSCL shall notify purchaser in writing of the proposed date of commencement of Performance Guarantee Tests. Every items of Plant and Equipment as well as plant as a whole shall undergo a Performance Guarantee Test unless otherwise decided by PURCHASER. The duration of the Performance Guarantee Test shall be mutually agreed upon between BSCL and Purchaser.

All equipment and component shall be guaranteed for workmanship and materials and satisfactory performance in accordance with the relevant clauses of the contract.

The Security cum Performance Guarantee Bond shall be returned to the Supplier / Contractor (without any interest) on completion of contractual obligations under the contract including any warranty obligation.

5) INSPECTION

Inspection will be carried out by company's authorised representative.

6) LIQUIDATED DAMAGE

In the event of late delivery of any delay in installation & commissioning BSCL reverses the right to recover from the tenderers by way of liquidated damage equivalent to 2% of contract value per month including Tax, Duties and Freight.

7) RISK PURCHASE

Without serving any notice, BSCL reserves the right to award the contract to other party at your risk and cost in the event of failure to complete the job within schedule time, and according to the specification and or terms and conditions specified.

8) PAYMENT TERMS

Our Terms of payment is within 45 days from the date of submission of the bills to our Accounts Department, HO against supply, inspection, Installation & Commissioning. Unit's certification reference Installation & Commissioning must be with the supplier's bills

9) PAYING AUTHORITY

Head of Finance Department at HO or his authorized representative.

10) PRICE

Tenderer must confirm in Techno-Commercial bid that their quoted price is firm till completion of the contract against our order and no escalation of price will be considered during pendency of the contract.

11) WARRANTY :

Warranty shall be for a period of 30 months from the date of supply or 24 months from the date of commissioning, whichever is earlier.

12) RIGHT OF ACCEPTANCE:

This office does not pledge itself to accept the lowest or any other tender and reserves to itself the right of acceptance of the whole or any part of the tender or portion of the quantity offered and you shall supply the same at rate quoted above.

13) ARBITRATION:

In the event of any question, dispute or difference arising out of the contract, same shall be referred to the sole arbitrator of General Manager of Howrah Works in terms of the provisions of the Arbitration and Conciliation Act, 1996. The award of arbitrator shall be final and binding on the both the parties to the contract. The venue will be of the company and language of arbitration shall be in English.

14) The tender is not transferable.

15) BSCL reserves the right to accept or reject any tender in full or part without assigning reasons thereof.

For Burn Standard Co Ltd

(S.K.CHATTERJEE)
Deputy General Manager (Coml. &MM)