



सत्येन्द्र नाथ बसु राष्ट्रीय मौलिक विज्ञान केन्द्र  
SATYENDRA NATH BOSE NATIONAL  
CENTRE FOR BASIC SCIENCES  
সত্যেন্দ্র নাথ বসু জাতীয় মৌল বিজ্ঞান কেন্দ্র

SNB/ENGG/NIQ/17-18/12/568

Date: 04.08.2017  
07

NOTICE INVITING QUOTATION

Sir,

1. Sealed quotations are hereby invited for the under mentioned work:

**Additional electrical works for commissioning of new substation as per CEA (Central Electricity Authority) observation at SNBNCBS, Kolkata – 700 106.**

2. **Completion period:** Completion period of the above mentioned work is 30 days from the date of issuing letter of award.
3. You are requested to quote your competitive and justified rate and price (inclusive of all applicable taxes) as per the schedule attached and submit the same in a sealed cover addressed to the undersigned so as to reach before 3 p.m. on 28.08.2017.
4. Please note that mere quoting of rate may not entitle you to get the award of work as the undersigned reserves the right to reject any or all quotations or accept any quotation other than the lowest without assigning any reason thereof.

*Smajunder*  
Registrar 4.8.17.

Enclosure: Schedule of Items with terms & conditions.  
Copy to:  
DR (Finance)  
O/C

ब्लॉक - जे.डी. सेक्टर - III , सॉल्ट लेक, कोलकाता - 700 098, Block - JD, Sector - III, Salt Lake, Kolkata - 700 098

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भारत सरकार के विज्ञान एवं प्रौद्योगिकी विभाग के अंतर्गत एक स्वायत्त संस्थान

AN AUTONOMOUS INSTITUTE UNDER DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA

**Schedule of Work: Additional Electrical works for commissioning of new Substation as per CEA (Central Electricity Authority) observation at SNBNCBS, Kolkata – 700 106.**

SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE Rs.	AMOUNT Rs.
1	Proper Dressing and Tagging of power and control cable.	Nos.	22		
2	Providing and fixing of 11 KV grade Cable Route marker.	Nos.	4		
3	Making arrangement for distinguishing of Power and Control cables.	Job	1		
4	Plugging in of spare holes in the panels/Marshalling Box, if required.	Job	2		
5	Providing and making arrangement of double earthing of Marshalling box of Transformers for two distinct connections.	Set	2		
6	Providing and Fixing Lightning conductor finial made of 25 mm dia 300 mm long, G.I. tube having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	1		
7	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	1		
8	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc. as required.	Each	1		
9	Providing and Fixing of 25 mmX5 mm G.I. strip in 40 mm Dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring washer excavation and refilling etc. as required.	Mtr.	3		
10	Providing and Fixing 25mmX5mm G.I. strip on surface or in recess for connections etc. as required.	Mtr.	45		
11	Earthing with G.I. pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke/ and salt as required.	Each	1		



SL. NO.	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE Rs.	AMOUNT Rs.
12	<b>A. 630 KVA, 11KV/0.433 KV ONAN Transformer</b>				
a.	Transformer (low voltage testing) Ratio on all Taps.	Each	2		
b.	No load current test	Each	2		
c.	Vector Group test	Each	2		
d.	Magnetic balance (all on LT i.e. 440 volts)	Each	2		
e.	Insulation Resistance tests.	Each	2		
f.	Winding. Resistance test.	Each	2		
g.	Other T/F controls checking	Each	2		
h.	BDV Test	Each	2		
13	<b>11 KV HT PANEL</b>				
a.	CT – Polarity, Winding resistance, Ratio for all cores at 60 % rated current, Knee point voltage (for class only)	Each	3		
b.	PT- Ratio for all cores, Insulation Resistance, Polarity	Each	3		
c.	VCB – Insulation Resistance, Contact resistance, Timing test, High Voltage test and Manual & electrical operational checks	Each	3		
d.	Scheme, interlocks, Functional checks	Each	3		
e.	Relay testing using single phase relay kit or using primary injection kit	Each	3		
14	Insulation resistance & High Voltage test using 30 KV VCB HY-POT kit.	Each	2		
15	Megger Testing of HT power Cable & LT power cable	Job	1		
16	Earth resistance test by Megger of individual Earth pit	Each	8		
17	SLD drawing of Substation along with HT panel, LT Panel and transformer as per CEA Guidelines	Job	1		
	<b>Total</b>				

In words:



## TERMS AND CONDITIONS

### **1. Earnest Money:**

Earnest Money Deposit (EMD) of **Rs.1, 950.00** (Rupees One thousand Nine Hundred Fifty only) is required to be submitted in Demand Draft/ Bankers Cheque by the Tenderer with the tender. The Demand Draft/Bankers Cheque must be issued in favour of S N Bose National Centre for Basic Sciences. EMD deposited by the unsuccessful tenders will be refunded by way of handing over the original Demand Draft/ Bankers Cheque duly endorsed by the Competent Authority of the Centre. The Earnest Money of the Successful Tenderer will be adjusted against the Security Deposit to be recovered from the running account bills. Under any circumstances, SNBNCBS will not be liable to pay any interest on the EMD.

### **2. Security Deposit:**

The Security Deposit shall be deducted from the Running Account Bills at the rate of 10% of the gross certified bill value. The EMD shall form part of the Security Deposit.

### **3. Refund of Security Deposit.**

The Security Deposit will be refunded without interest within 14 (fourteen) days after the expiry of the defective liability period (Six months from the date of completion) provided the Contractor has satisfactorily carried out all work and rectified all defects in accordance with the conditions of the work that may appear during the Defect Liability Period.

### **4. Arbitration:**

a) Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement or matter whatsoever, shall, before and after extended period, hereafter arises between the parties, as to the meaning, operation or effect of the contract or out or relating to the contract or breach thereof, shall be



referred to sole Arbitrator to be appointed by the Director of the Centre at the time of dispute.

b) It is a term of the contract that the party invoking arbitration shall specify all disputes to be referred to arbitration at the time of invocation or arbitration under the clause.

c) It is a term of the contract that the cost of arbitration will be borne by the parties themselves equally.

d) The venue of arbitration shall be Kolkata.

e) Subject as aforesaid the provisions of the Arbitration and Conciliation Act 1996 and any statutory modification or re-enactment thereof rules make hereunder and for the time being in force shall apply to the arbitration proceeding under this clause.

#### **5. Removal of improper Work:**

The owner shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Centre are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanships not in accordance with the drawings and specifications or instructions. In case the contractor refuses to comply with the order the Centre shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Centre shall be borne by the contractor or may be deducted from any money due to or that may become due to the contractor. No certificate which may be given by the Centre shall relieve the contractor from his liability of unsound work or bad materials.

#### **6. Cancellation of Work:**

The Centre reserves the right to cancel the work order at any point of time without assigning any reason thereof.



**7. Payment:**

Payment will be made after satisfactory execution of the work / progressively through running account (RA) bills and after verification/ certification of bill by the Engineering Section of the Centre.

**8. Clearing site on completion:**

On completion of the works the contractor shall clear away and remove, from the site, all constructional plant, surplus materials and rubbish/debris to the satisfaction of the Engineer-in-Charge.

**9. Income Tax/ Sales Tax on Works Contract:**

The Statutory deduction of income tax / sales Tax as applicable on works contract will be deducted form all interim and final payment to made to the contractor.

**10. Declaration:**

I/We have inspected the site of works and have made me/us fully acquainted with the local conditions in and around the sites of works. I/We hereby declare that I/We have gone through the items of work in the attached Schedule of work of the N.I.Q. and understood the Technical Specifications given therein and on the basis of the same I/We have quoted our rates in the scheduled of quantities attached with the quotation documents. The rates are valid for a period of three months from the date of submission of the tender.

I/We shall also uniformly maintain such progress with the work, as may be directed by the Centre to ensure completion of same within the completion period as mentioned in the NIQ.

\_\_\_\_\_  
Signature of Contractor

Address: \_\_\_\_\_  
\_\_\_\_\_

Date:

Office Seal:

