



**Government of West Bengal
Irrigation & Waterways Directorate
Office of the Executive Engineer
Metropolitan Electrical Division
Jalasampad Bhawan (4th floor)
Salt Lake City, Kolkata-700091
Telephone No-03323215609
Email Id: eemed.iwd@gmail.com**

NOTICE INVITING EXPRESSION OF INTEREST

Memo No: 60/ 7E-16/2020-21

Dated:- 14.01.2021

N.I.E.O.I No - WBIW/EE/MED/ EOI- 01 of 2020-2021

Request for Expression of Interest for “Supply, installation, testing and commissioning of new indoor 11KV/415Volt Electrical Sub-station for Commercial Tax Building of Jalasampad Bhawan, Salt Lake, Kolkata-91 during the year 2020-21.” is being invited by the Executive Engineer, Metropolitan Electrical Division, Irrigation & Waterways Directorate on behalf of the Governor of West Bengal from eligible and resourceful agencies having sufficient financial capability and credentials for execution of similar nature of work.

Issue of EoI documents :

The EoI documents can be downloaded from the departmental website: www.wbiwd.gov.in

Submission of EoI :

The intending agencies should submit their EoI for the work as cited above in a sealed envelope super scribing on the top “Supply, installation, testing and commissioning of new indoor 11KV/415Volt Electrical Sub-station for Commercial Tax Building of Jalasampad Bhawan, Salt Lake, Kolkata-91 during the year 2020-21.” in the tender box to be available at the Office of the Executive Engineer, Metropolitan Electrical Division, Jalasampad Bhawan, (4th floor), Bidhannagar, Kolkata – 700091.

The intending agencies should submit their EoI as per list of items enclosed herewith. Rates and amounts should be filled up properly.

The quoted rates should be inclusive of all taxes/duties all complete.

Before submitting EOI, the intending contractor/bidder should make themselves acquainted thoroughly with the local conditions prevailing at site of implementation of the work by undertaking field inspections and taking into consideration all probable likely factors and difficulties to be involved in execution of the work as per specification in all respects including transportation of materials, communication facilities, climate conditions, availability of materials in the market etc. and no claim whatsoever will be entertained on those accounts afterwards. He/She may contact this office in any working day in between 11 am to 3 p.m. intending agencies or their authorized representatives may remain present while opening of the sealed covers containing EoI's.

Selection of appropriate EOI is entirely vested upon the Quotation-cum-Bid Evaluation Committee (QBEC). The committee reserves the right to accept or reject any or all EoIs without assigning any reason thereof

Since, the Notice Inviting Expression of Interests (EoIs) is being made for subsequent Tender, no work order will be issued in favour of any agency against the EoI's. No payment whatsoever would be borne by I & W Department for submission of EoIs.

The intending agencies should submit the following and self-attested copies of the same are to be submitted with the EoI.

i) Credential Certificate:-

BOQ duly authenticated by issuing authority and work order.
Completion Certificate of 100% completed work of similar nature.

ii) Annual Turnover from business:-

Profit and loss accounts statement in the prescribed form with annual turnover of last three financial years or during the period since formation of the company/ Firm/society, if it was set up in less than three year period.

iii) Company Details like Trade license and others documents.

iv) Professional Tax Payment Certificate (PTPC) or Challan.

v) PAN Card.

vi) GST Registration Certificate.

vii) Latest I.T. Return.

Pre Bid Meeting :

Pre Bid meeting will be held in the office chamber of the EOI Inviting Authority on 02.02.2021 at 2 pm in order to acclimatize the prospective contractors/bidders through an interactive open session, replying to their queries, and clear doubts in connection with the work/s, if any.

Schedule of Dates for EoI's :

Sl No.	Activity	Date & Time	Remarks
1	Publishing Date	14.01.2021	
2	Pre Bid Meeting	02.02.2021 at 2.00 P.M	
3	E.o.I submission start date	05.02.2021 From 10.00 A.M	
4	E.o.I submission end date	18.02.2021 upto 3.00 P.M	
5	E.o.I opening date	18.02.2021 at 3.30 P.M	

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Executive Engineer
Metropolitan Electrical Division,
I & W Dte., Govt. of West Bengal

Schedule of Work

Name of Work: Supply, installation, testing and commissioning of new indoor 11KV/415Volt Electrical Sub-station for Commercial Tax Building of Jalasampad Bhawan, Salt Lake, Kolkata-91 during the year 2020-21.

SL NO	Description of Items	Qty	Unit	Rate(Rs)	Total Amount with Taxes(Rs)
1	<p>CONSUMER 3 PANEL VCB BREAKER AT SUBSTATION:- Supply, delivery storing at site erection testing and commissioning of indoor floor mounted metal clad totally enclosed horizontal cubical fully compartmentalized extensible on either side motor operated spring charge electrically/manually operated fully draw out type 11KV vacuum circuit breaker (VCB) having rupturing capacity of 350MVA (18.3 KA) at 11KV conforming to specification etc and details shown in single line diagram and as describe below including supplying necessary mounting channel and all other accessories complete.</p> <p style="text-align: center;">(A) INCOMER:</p> <p>(i) 1-No 630A,TP,11KV (18.3 KA), vacuum circuit breaker (VCB) (ii) 1-set(3nos) 15VA, 100/5A, class-1 for metering and 5p10for protection CTs (iii) 1-set flush mounting digital type trivector meter with accuracy class 0.5 with maximum demand indicator at 30minutes interval. (iv) 1-set cable termination box suitable for 3CX185 sq.mm11KV XLPE Al cable. (v) 1-set Digital type relay (advance quality) with two elements for O/C and one element for E/F protection, over voltage & under voltage protection with time and current setting (70%-100% for current and 0.3-1.0 for time setting) (vi) 1-set 0-100A AC flush mounting digital ammeter with selector switch. (vii) Draw out type 11KV/110V, 100VA star/star dry type potential transformer with primary and secondary HRC Fuse protections. (viii) 1-set 0-15KV flush mounting digital type voltmeter with selector switch. (ix) 1-set high speed master trip relay. (x) 1-set continuous trip circuit supervision with relay. (xi) 1-set ON/OFF/TRIP/TRIP CIRCUIT HEALTHY lamps and push buttons. (xii) 2-set 30V DC shunt trip coil for tripping with power pack unit (xiii) Earth bus bar and all other accessories complete (xiv) Annunciator unit.</p>	1	Job		

	<p>(B) BUS BARS:</p> <p>(i) 1-set 630A, 350MVA continuous rated copper bus bar with insulating sleeves.</p> <p>(C) OUTGOING:</p> <p>(i) 2-No 630A,TP,11KV, vacuum circuit breaker(VCB)</p> <p>(ii) 2-set(3nos each set) 15VA, 50/5A, class-1 for metering and 5p10for protection CTs</p> <p>(iii) 2-set cable termination box suitable for 3CX185 sq.mm11KV XLPE Al cable.</p> <p>(iv) 2-set Digital type (advance quality) relay with two elements for O/C and one element for E/F protection, with time and current setting (70%-100% for current and 0.3-1.0 for time settings)</p> <p>(v) 2-set 0-50A AC flush mounting digital ammeter with selector switch.</p> <p>(vi) 2-set high speed master trip relay.</p> <p>(vii) 2-set continuous trip circuit supervision with relay.</p> <p>(viii) 2-set ON/OFF/TRIP/TRIP CIRCUIT HEALTHY lamps and push buttons.</p> <p>(ix) 2-set 30V DC shunt trip coil for tripping with power pack unit</p> <p>(x) Earth bus bar and all other accessories complete.</p> <p>(xi) Annunciator unit.</p> <p>(Make: Schneider/Siemens/ABB)</p>				
2	<p>TRANSFORMER:</p> <p>Supply delivery storing at site erection testing and commissioning of 500KVA, 11KV/433V, 3 phase, 50Hz delta/star, Dyn 11 indoor ONAN type transformer in IP23 enclosure with copper windings and having HT cable boxes and LT cable boxes with copper gland plate suitable for terminating of 11KV, 3CX 185 sq.mm AL, XLPE armoured cable and 2 nos 1.0KV grade, 3.5C X 400 sq.mm AL XLPE armoured cable on the secondary side, Oil temperature indicator (OTI), winding temperature indicator, (WTI), Magnetic Oil Level Gauge, Gas operated relay, marshalling box with necessary electrical equipments, three channel temp scanner for continuous monitoring of the windings with supply of all associated materials and accessories like mounting channel bolts, nuts, washer screw clamps painting earthing etc and conforming to specifications as laid down in the contract. Cost including supply, laying and fixing of necessary control wiring for transformer protection from marshalling box to HT panel.</p> <p>(Make: Siemens/Schneider/ABB/Equivalent)</p>	2	Job		

3	<p>LT PANELS:</p> <p>Supply delivery storing testing commissioning of 415V(35MVA) TPN floor mountings free standing LT panel made of 14 SWG CRCA sheet steel extensible on either side totally enclosed, dust and vermin proof self supported free standing unit with base channel, multiplier, compartmentalized cubical, front access type construction with details of feeders as given below . LT panel shall be suitable of 500/415V 50Hz, 3 phase and neutral system. Painting with two coats of epoxy paint over two coats of epoxy primer of approved make complete with front operated incoming and outgoing switch gear, cable alley provision for cable entry from top to bottom, necessary meters, internal wiring with 1.1KV copper wire(2.5 sq.mm) HRC fuse protection , terminal blocks, selector switch etc.</p> <p>(A) INCOMER:</p> <p>(i) 3 nos- 1000A, 500/415V, TPN manually operated hand spring charge draw out type air circuit breaker (ACB). (ii) 3 set- 800/5A class 1.0 CTs for metering and 15VA, 5p10 for protection. (iii) 3sets- combined OC/EF/OC IDMTL type release with time and current settings (70%-100% for current and 0.3-1.0 for time settings) and instantaneous type SC protection with CTs as specified above. (iv) 3set-close/trip push buttons. (v) 3sets-tripping coil. (vi) 3nos- 0-800A flush mounted digital ammeter with selector switch. (vii) 3sets-ON/OFF/TRIP and R/Y/B indication lamps. (viii) 3sets-flush mounted digital power factor meter (0.5 to 1 to -0.5) with 90 degree dial etc complete wired and interconnection as required. (ix) 2sets-main and auxiliary contact block with phase barriers.</p> <p>(B) BUS BARS:</p> <p>1000A, 500/415V ,50Hz, 35MVA, TPN continuous rated fully insulated copper bus bars as per SLD complete with insulating PVC sleeves.</p> <p>(C) OUTGOING:</p> <p>(i) 3nos- 1000A, 500/415V, TPN manually operated hand spring charge draw out type air circuit breaker (ACB). (ii) 2nos-63A, 500/415V, AC, 50KA breaking capacity MCCB. (iii) 2nos-100A, 500/415V, AC, 50KA breaking capacity microprocessor based, short circuit & overload protection MCCB. (Make: Schneider/Havell's/L&T/ABB)</p>	1	Job		
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4	EARTH BUS BARS: Continuous earth bus bar by G.I flat running for body earthing for the substation equipment (appropriate size as per IS code) and by Cu bar for transformer neutral earthing. (Reputed Make)	1	Job		
5	Supply and fixing 11KV cable joint for 3 core 185 sq mm cable (Reputed Make)	5	Set		
6	Supply, installation, testing and commissioning of 50KVAR, 415V, 50Hz, APFC panel with capacitor bank for P.F improvement, self healing metalized polypropylene equipped with over-pressure safety device & discharge resister, microprocessor based APFC relay, IP protection, division should be suited by the capacitor duty contractor to achieve PF 0.95 suitable for 50 KVAR division shall be made for capacitors rating as per detail engineering. (Reputed Make)	2	Set		

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Metropolitan Electrical Division,
I & W Dte., Govt. of West Bengal

Copy submitted for favour of kind information to:

- 1) The Secretary to the Govt. of West Bengal, I&W Department.
- 2) The Chief Engineer, South, I&W Directorate, Govt of West Bengal.
- 3) The Joint Secretary (Works) to the Govt of West Bengal, I&W Department.
- 4) The Deputy Secretary (Works) to the Govt of West Bengal, I&W Department.
- 5) The Superintending Engineer, Metropolitan Drainage Circle, I&W Dte., Govt. of West Bengal.
- 6) The Superintending Engineer, Western Circle-I, I&W Dte., Govt. of West Bengal.
- 7) The Superintending Engineer, Eastern Circle, I&W Dte., Govt. of West Bengal.
- 8) The Superintending Engineer, Mechanical & Electrical Circle, I&W Dte., Govt. of West Bengal.
- 9) The Executive Engineer, Metropolitan Drainage Mechanical Division, I&W Dte.

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Copy forwarded for favours of kind information to:

- 1) The Assistant Engineer, Metropolitan Electrical Division.
- 2) The SDO/Metropolitan Electrical Sub-Division.
- 3) The Director of information, Department of Information & cultural Affairs, Nabanna, Shibpur, Mandirtala, Howrah-711102 for wide circulation.
- 4) The Estimating Section, Metropolitan Electrical Division.
- 5) The Accounts Section, Metropolitan Electrical Division.
- 6) Notice Board of Metropolitan Electrical Division.

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