

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

Properly sealed quotations are invited for and on behalf of CNLU, by the Registrar, Chanakya National Law University, Nyaya Nagar, Mithapur, Patna - 800001 from Original Manufacturers or their authorized dealers / retailers of Indoor substation equipment.

| | | |
|--|---|---|
| Name of the work | : | Supply, Installation, Testing& Commissioning of Sub Station Equipments (HTPanel, Earthing, Control Cable and Accessories) of Schneider, ABB, Siemens or equivalent make. |
| Cost of Document | : | Rs. 10,000 in form of DD. should be in favour of Registrar, Chanakya National Law University, Nyaya Nagar, Mithapur, Patna – 800001 |
| Work Completion Time | : | 90 days from the date of work order. |
| EMD | : | Rs. 125,000 in form of DD should be in favour of Registrar, Chanakya National Law University, Nyaya Nagar, Mithapur, Patna – 800001 |
| Date & Time of submitting filled in Quotation document | : | From 15 Sept 2017 to 11 Oct 2017 at 4.00 Pm |
| Date & Time of Pre Bid meeting | : | 05 Oct 2017 at 02:00 pm |
| Date & Time of receipt of bid | : | 11 Oct 2017 up to 04:00 pm |
| Date & Time of opening of Technical Bid: | : | 11 Oct 2017 at 04:30 pm |
| Date & Time of opening of Financial bid : | : | 16 Oct 2017 at 04:30 pm |
| Place of all meeting | : | Registrar`s Chamber |

Scope of work

The scope of work shall include the supply, installation, testingand commissioning, **Indoor Sub Station Equipments (HT Panel, ACB, Earthing, Control Cable and Accessories) of Schneider, ABB, Siemens or equivalent make** in totality including related civil jobs (such as construction for cable trench).

Eligibility

Eligibility terms for intending quotationer are as follows:

1. The quotationer should be registered under Indian Companies Act 1956 / Partnership Act or proprietorship firm. Supporting documents should be annexed along with the technical quotation.
2. The quotationer should be an India based National level Organization of repute with minimum of 3 years of operation in the field of HT Electrical Works and shall have valid registration, GST registration /valid VAT registration certificate/ valid Service Tax registration certificateand Permanent Account Number (PAN) issued by respective authorities. Copies of certificates should be submitted along with technical quotation.
3. The quotationer should have a proven track record of supply, installation, commissioning, HT Electrical Works /Electrical Substation / Indian Universities / Central or State Government Organizations / PSUs / Professional bodies, with at least two similar projects of Rs. 20 Lacs each during any two of the last five financial years (from

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

2012-13 to 2016-17). Copy of work orders / agreements along with completion / satisfactory performance certificates be annexed along with technical quotation.

4. The quotationer should not be currently blacklisted by any Central Ministry / State Govt. Departments / Public Sector Units / Universities nor should have any litigation enquiry pending and / or initiated by any Department or Court of Law with regard to the works executed by it during the last five financial years. **The quotationer shall furnish an undertaking duly attested by notary on a non-judicial stamp paper of value Rs. 100/- (Rupees Hundred only)** as per Annexure II.
5. Those quotationers who are either blacklisted or debarred or against whom FIR has been lodged or whose contract has been rescinded by any Government /PSU or who have failed to execute the awarded work in past three years will not be allowed to participate in this bid process.
6. Quotationer should be OEM or its authorized dealer / retailer. OEM'S authorization certificate / the bidder shall be a reputed contractor having a valid 'A' class approved electrical license. Minimum of 3 years of operation in the field of HT Electrical works.
7. The liquid assets certificate submitted by the tenderers must clearly state the amount of liquid assets. The certificate should not be older than six months. Any word other than liquid assets has no relevance, and shall not be considered.
8. Joint Ventures are not allowed to participate in this NIQ.

Terms & Conditions

1. Quotations received after due date & time shall be summarily rejected.
2. Manner of submission of the Quotations: Sealed Quotations Technical & Financial in separate sealed covers should be either dropped in the Quotation Box marked "NIQ No- 06/17-18 Dated- 14/09/2017 For **supply, installation, testing & commissioning, of Sub Station Equipments**" or be sent by Post at the address given above so as to reach by the due date and time. Incomplete quotations are liable for rejection. No responsibility will be taken for postal delay or non-delivery/ non-receipt of Quotation documents.
3. Quotations should be forwarded by Quotationers under their original memo / letter pad as per Format mentioned in Annexure III and IV.
4. Quotationers are advised to be present in the meeting of Pre Bid, Technical Bid and Financial Bid.
5. Quotationers are advised to study all technical and commercial aspects, instructions, terms and specifications carefully in the Quotation document. Failure to furnish all information required in the

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

Quotation Document or submission of a quotation not substantially responsive to the Quotation document in every respect will be at the quotationers risk and may result in the rejection of the quotation.

6. All the equipment's make approved by CNLU.
7. This Quotation document is not transferable.
8. All documents should be signed by proprietor or an authorized signatory of firm. Original Certificate of authorization should also be attached. Interlineations, corrections, erasures and/or over-writings shall be valid only if initialed by the person or persons signing the quotation.
9. Quotationers should attach copy of Firm registration /copy of certificate of GST registration (i.e., Sale Tax / VAT / CVAT and other taxes), PAN Card in the name of firm or proprietor, Financial Statements, Brochure of make & model quoted of make & model duly stamped & ink signed, duly filled Compliance Document as per Annexure-III and duly filled check list as per Annexure -I in Technical Quotation envelope.
10. Notwithstanding anything to the contrary in this document, the Chanakya National Law University is not bound to accept the lowest quotation and reserves the right to accept or reject any quotation, to reject quotations for some or all items and to cancel the quotationing process at any time prior to the award of contract, without assigning any reason whatsoever.
11. The work has to be completed within the period mentioned against works. It will be reckoned from the date of the issue of work order. If the work is not completed within the completion period liquidated damages @0.5% of agreement value per day of delay will be levied (subject to maximum of 10%). If the liquidated damages reach the level of 10% the contract is liable to be rescinded. In future, the quotationer will not be eligible to participate in quotations.
12. This notice is being issued with no financial commitment. The Buyer reserves the right to amend or vary any part thereof at any stage. Buyer also reserves the right to relax terms & conditions of the quotation in the interest of work and withdraw the Quotation, should it become necessary at any stage.
13. Service Label Agreement(SLA): During the warranty period SLA will be applicable as below:

| <u>SL No</u> | <u>Services</u> | <u>Time Limit</u> |
|--------------|--|---|
| 1 | Service support should be available on all the working days of the Govt. | Sundays and General Holidays are excluded |
| 2 | Time limit for servicing during warranty period. | Within 72hrs. (excluded Holidays). |
| 3 | Time limit for replacing the systemsduring warranty period. | 15 days from the date of call attended or as mutually agreed by Vendor and CNLU authorities (depends upon the situation). |
| 4 | If the vendor fails to service/replace the unit. | An amount equivalent to 5% the quoted/ accepted price of the equipment will be charged to the vendor. |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

14. Buyer reserves the right to withdraw / cancel / amend the quotation at any stage without assigning any reason whatsoever.
15. OEM should have their service centre at Patna. They should provide after sales service for a minimum period of five years after expiry of warranty period. The name and address of service centre should be indicated in the offer.
16. Quantities of items are tentative. It may increase or decrease as per requirements.
17. Warranty and onsite support will be for three years.
18. Clarification regarding contents of the quotations: During evaluation and comparison of quotations, the Buyer may, at its discretion, ask the quotationer for clarification of his quotation. The request for clarification will be given in writing and no change in prices or substance of the quotation will be sought, offered or permitted. No post-quotation clarification on the initiative of the quotationer will be entertained.
19. Quotationer with product certifications related to the quotations should be annexed with technical quotations. Alteration in the make & models will not be permitted.
20. Financial Quotations of only those firms will be opened whose Technical Quotations are found responsive.
21. Rejection of Quotations: Canvassing by the Quotationer in any form, unsolicited letter and post-Quotation correction may invoke summary rejection. Conditional Quotations will be rejected.
22. Any Suggestions/Clarifications may be put forth in the pre quotation meeting.
23. The quotationer should adhere with all seriousness to the time schedule provided by the Chanakya National Law University, Patna.
24. The quotationer shall be liable to indemnify the Chanakya National Law University, Patna in all respects and meet and pay off the litigation expenses and all the liabilities including damages, sums etc. arising out of and as a consequence of the negligence, deficiencies, mistakes, lapses, delays etc. in the execution of the various jobs and the services provided.
25. **Quotation Evaluation Process:**
 - A. **Evaluation of Technical Quotation:**
 - Detailed technical evaluation shall be carried out in relation with the conditions in the quotation document to determine the substantial responsiveness of each quotation. For this clause, the substantially responsive quotation is one that conforms to all the eligibility and terms and condition of the quotation without any material deviation.
 - B. It is mandatory for the bidder to qualify all the Technical qualifications (including eligibility criteria) to be responsive and for being considered for opening of their Financial Quotation and evaluation thereof.

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

26. All payments are subject to statutory deductions as and when applicable.
27. 90% payment will be made after successful installation, commissioning and product verification. Rest 10% will be released after one month from the date of first payment.
28. Dispute if any, will be subject to Patna jurisdiction only.
29. The work order placed is liable to be cancelled at any time if any document submitted by agency is found fake and misleading.
- 30. Amendment of Quotation Document.**
- 29.1 At any time prior to the last date for receipt of quotations, the client may for any reason, whether at its own initiative or in response to a clarification requested by a prospective Quotationer, modify the Quotation Document by an amendment.
- 29.2 The amendment will be notified through official website of Chanakya National Law University for all the prospective Quotationers.
- 29.3 In order to afford prospective quotationer reasonable time in which to take the amendment into account in preparing their quotations, the Client may, at its discretion, extend the last date for the receipt of the Quotations.
31. The selected quotationer will have to enter into agreement within 15 days from date of issue of work order. Performance security of Rs. 187500 in shape of demand draft in favour of Registrar, Chanakya National Law University, Patna issued by any scheduled / nationalized bank and be submitted at the time of agreement. If agreement is not signed within stipulated period earnest money may be forfeited. Balance 5% of performance security will be collected as deduction from bills.

Dr. S.P. Singh
Registrar
CNLU, Patna

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

Annexure-I

CHECK LIST (SHOULD BE ATTACHED WITH TECHNICAL QUOTATION DOCUMENT)

| <u>Sr. No.</u> | <u>Description</u> | <u>Remarks</u> |
|----------------|---|----------------|
| 1. | Passport size Photograph of the Quotationer / authorized Signatory holding power of attorney | |
| 2. | Name of the Firm | |
| 3. | Address with contact number, FAX, E-mail of the Firm | |
| 4. | PAN No Attach copy of PAN card | |
| 5. | Address of local office for after sales service in Patna | |
| 6. | VAT,Service Tax Number,GST, Labour License details Attach copy of Registration Certificate | |
| 7. | Firm`s Bank Account Details with Bank Name, Address and IFSC / RTGS codes | |
| 8. | Copy of Document of Company Registration /Incorporation. | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | |
|-----|---|--|
| 9. | Copy of documents of at least two similar projects of Rs. 20 Lacs each during any two of the last Seven financial years (from 2012-13 to 2016-17) as per para 3 of pre-qualification. Attach copy of documents duly attested | |
| 10. | Annexure II as per para 4 of pre-qualification. | |
| 11. | OEM authorisation certificate as per para 6 of pre-qualification | |
| 12. | DD of Cost of Document Details | |
| 13. | DD of Earnest Money Deposit Details | |

I / We hereby declare that information furnished above is true and correct and the documents annexed are genuine.
Signature of the Quotationer / Authorized Signatory

Name of the Quotationer

Seal of the Quotationer

Place

Date

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

Annexure-II

Declaration

I / we declare

that my / our company namely..... has not been black listed by any Government / Non-Government Organization nor have any litigation enquiry pending and / or initiated by any of these Department or Court of Law with regards to the works executed by our company since incorporation. No FIR has been lodged against us.

The documents annexed along-with the quotation are genuine. If they are found fake or forged the Purchase Order / Agreement may be cancelled and FIR may be inflicted against us by the University

Signature of the Quotationer / Authorized Signatory

Name of the Quotationer

Seal of the Quotationer

Place

Date

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

Annexure III

Technical Quotation

| | | | | |
|----------------|---|-------------|-----------------|-------------------------|
| A | Supplying, Erection, Testing and Commissioning of HT extensible type three panel board suitable for Indoor Installation for use on 33 KV 50 C/S earthed system having a symmetrical breaking capacity of 1500 MVA for 1 sec. At 33KV comprising triple pole VCB panel shall be equipped with following accessories and specification. | | | |
| <u>Sr. no.</u> | <u>Descriptions</u> | <u>Unit</u> | <u>Quantity</u> | <u>Make & Model</u> |
| 1 | INCOMER PANEL: | Nos. | 1 | |
| | Metal clad housing with truck having 630A TP integral VCB with Manual/Electric operated mechanism(Spring charging motor-230 VAC) | | | |
| | A Set of air insulated copper Bus bar and chamber | | | |
| | A Set of isolating plug and receptacle. | | | |
| | A Set of Automatic safety shutter. | | | |
| | A Set of dual core CTs. | | | |
| | | | | |
| | CT- I: | | | |
| | Core I 100-50/5-5A class 5P-10(15 VA) | | | |
| | Core II 100-50/5-5A class I (15 VA) | | | |
| | 1- Ammeter selector switch (Built in) | | | |
| | 1 - HT cable joint box for 3c x 185 Sq.mm XLPE cable (33 kv earthed) | | | |
| | 3 nos PT 33v3/0.110v3 KV of (100VA) Cast resin type | | | |
| | 1 nos Tripping coil & closing coil 24 V DC. | | | |
| | 1 set of ON/OFF Trip & circuit healthy and phase and & breaker Test and service position indication lights | | | |
| | 1 nos voltmeter with selector switch (built-in) | | | |
| | 1-3 element O/C EF & SC relay(IDMT & Hi-set) | | | |
| | 1- nos. multi-function meter with communication port (load management & compatible with PLC/ PC) | | | |
| | 1- nos master trip relay | | | |
| | 1- nos. circuit supervision relay. | | | |
| | | | | |
| 2 | OUT GOING PANELS (EACH SHALL COMPRISING OF): | Nos. | 2 | |
| | 1- Metal clad housing with truck having 630A TP integral VCB with Manual/Electric operated mechanism(Spring charging motor-230 VAC) | | | |
| | 1 - Set of air insulated copper Bus bar and chamber | | | |
| | 1 - Set of isolating plug and receptacle. | | | |
| | 1 - Set of Automatic safety shutter. | | | |
| | 1 - Set of dual core CT s. | | | |
| | | | | |
| | CT- I: | | | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | |
|------------|--|-----|---|--|
| | Core I 25/5A class 5P-10(15 VA) | | | |
| | Core II 25/5A class I (15 VA) | | | |
| | 1- Ammeter selector switch (Built in) | | | |
| | 1 - HT cable joint box for 3c x 185 Sq.mm XLPE cable (33 kv earthed) | | | |
| | 1 nos Tripping coil & closing coil 24 V DC. | | | |
| | 1 set of ON/OFF Trip & circuit healthy & breaker Test and service position indication lights | | | |
| | 1-3 element O/C EF & SC relay(IDMT & Hi-set) | | | |
| | 1- nos. multi-function meter with communication port (load management & compatible with PLC/ PC) | | | |
| | 1- nos master trip relay | | | |
| | 1- nos. circuit supervision relay. | | | |
| | 4 -2 element auxiliary relay for transformer (WTI, OTI, B/R, MOG, with alarm & trip) | | | |
| | 1- 12 way annunciator | | | |
| | | | | |
| 3 | SPARE 33kV,25kA MV VCB with trolley | nos | 1 | |
| | 1 Nos Incomer + 2 Nos outgoing + Nos Spare VCB with trolley | | | |
| | | | | |
| 4 | Air Circuit Breaker | | | |
| (A) | Supply, Erection, Testing and Commissioning of Air circuit Breaker 3200A 4 pole 1 nos draw out (50 KA) type electrically operated with 230V ac spring charged motor and with built in microprocessor based releases for O/C and E/F protection .(Make - Havells IHATV5232) | Set | 1 | |
| | 1 nos 24 V DC shunt release | | | |
| | 1 nos 230 V AC closing release | | | |
| | 1 nos 415 V AC under voltage release | | | |
| | 1 nos TNC switch | | | |
| (B) | Supply, Erection, Testing and Commissioning of Air circuit Breaker 2500A 4 pole 1 nos draw out (50 KA) type electrically operated with 230V ac spring charged motor and with built in microprocessor based releases for O/C and E/F protection .(Make - Havells IHATH5225) | Set | 1 | |
| | 1 nos 24 V DC shunt release | | | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | |
|-----------------------|---|--------------------|------------------------|--------------------------------|
| | 1 nos 230 V AC closing release | | | |
| | 1 nos 415 V AC under voltage release | | | |
| | 1 nos TNC switch | | | |
| 5 | Supply, laying and making of end termination with gland of following size of XLPE insulated armoured copper cable of 1100V grade on existing cable surface of wall/ceiling with M.S. clamps, completes as required. | | | |
| <u>Sr. no.</u> | <u>Descriptions</u> | <u>Unit</u> | <u>Quantity</u> | <u>Make & Model</u> |
| (A) | 2 C x 2.5 Sq.mm | meter | 100 | |
| (B) | 12 C x 2.5 Sq.mm | meter | 100 | |
| <u>Sr. no.</u> | <u>Descriptions</u> | <u>Unit</u> | <u>Quantity</u> | <u>Make & Model</u> |
| 6 | Providing and fixing 50 mm x 6 mm G.I. strip in 100 mm dia G.I. pipe from earth electrode etc complete as required | meter | 40 | |
| 7 | Earthing with GI Earth plate 900 mm x 900 mm x 6 mm thick including maintenance accessories and providing enclosure with cover plate having looking arrangement and water pipe complete with charcoal and salt etc. as per required (Conforming to IS 3043) | set | 8 | |
| 8 | Providing and fixing 50 mm x 6 mm G.I. strip on surface or in recess for connections etc. as required. | meter | 400 | |
| 9 | Supply, Erection, Testing and Commissioning of 24 DC 200 AH sealed maintenance free batteries with semiconductor /IGBT (full wave rectifier) with auto manual/trickle boost facility battery charging unit complete one no. distribution board having incoming and outgoing 20A DP MCB (DC duty) as complete as required and as per technical specifications. | set | 1 | |
| 10(A) | Supply, Erection, Testing and Commissioning of Multi-function meter with communication port (load management & compatible with PLC/ PC) (2 nos TRF I/C & 2 nos DG I/C) EM6400 1.0 RS 30002012 | nos | 4 | |
| (B) | Supply, Erection, Testing and Commissioning of Digital Ampere meter DM3110 Three phase Ammeter 0.5 METSEDM3110 (Outgoing feeder) | nos | 10 | |
| (C) | Supply, Erection, Testing and Commissioning of ON/OFF Indication lamp 230V AC (Red, Green) | nos | 40 | |
| (D) | Supply, Erection, Testing and Commissioning of Indication lamp 230V AC (Red, Yellow& Blue) | nos | 12 | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | |
|--------------|---|-------|-------------------------|--|
| (E) | Supply, Erection, Testing and Commissioning of Under voltage release 415 V AC, Shunt release 24 V DC and Closing release 230 V AC with base set (2 nos TRF I/C & 2 nos DG I/C & 1 nos B/C) Make - Havells ACB | Set | 5 | |
| (F) | Supply, Erection, Testing and Commissioning of Spring charging motor 230 V AC with device set (2 nos TRF I/C & 2 nos DG I/C & 1 nos B/C) Make - Havells ACB | Set | 5 | |
| (G) | Supply, Erection, Testing and Commissioning of Voltage monitor relay UV, OV, PS of all respected materials. L&T SM 500 (2 nos TRF I/C & 2 nos DGI/C) | Job | 4 | |
| 11(A) | INTERLOCKING: - Transformer incomer 2 nos, DG incomer 2nos and bus coupler 1 nos electrically interlock system with PLC of all respected materials. | Job | 1 | |
| (B) | DG set 2 nos synchronization / Automation of all respected materials. | Job | 1 | |
| 12 | Supply, Erection, testing and commissioning of Six Pole Structure with following items: | | | |
| (A) | 06 metre dia 150mm G.I. Pipe | Nos | 6 | |
| (B) | Channel 150x100 mm (18 feet) | Nos | 2 | |
| (C) | Channel 150x100 mm (10 feet) | Nos | 12 | |
| (D) | Channel Clamp with Nut Bolt | Nos | 30 | |
| (E) | 33 kV Jointing kit Outdoor 185 sq.mm | Nos | 5 | |
| (F) | 33 kV Jointing kit Indoor 185 sq.mm | Nos | 3 | |
| (G) | Pipe earthing with all materials | Nos | 2 | |
| (H) | 33 KV Isolator (800Amp) with gear box complete set | Nos | 2 | |
| (I) | Panther Conductor 200 sq. mm | Meter | 30 | |
| (J) | PG Clamp Double Nut Bolt | Nos | 18 | |
| (K) | Nut bolt | Nos | As per site requirement | |
| (L) | 33 KV Service Cable 185 sq.mm | Meter | 150 | |

Name of the Quotationer

Seal of the Quotationer

Place

Date

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

EMD: Rs. 125000/-

Time of completion of work: 90 days

Annexure IV

Financial Quotation

| A | Supplying, Erection, Testing and Commissioning of HT extensible type three panel board suitable for Indoor Installation for use on 33 KV 50 C/S earthed system having a symmetrical breaking capacity of 1500 MVA for 1 sec. At 33KV comprising triple pole VCB panel shall be equipped with following accessories and specification. | | | | | | |
|----------------|---|-------------|-----------------|------------------------------|------------|---------------------------|------------------------------|
| <u>Sr. no.</u> | <u>Descriptions</u> | <u>Unit</u> | <u>Quantity</u> | <u>Unit Rate without Tax</u> | <u>Tax</u> | <u>Unit Rate with Tax</u> | <u>Total Amount with Tax</u> |
| 1 | INCOMER PANEL: | Nos. | 1 | | | | |
| | Metal clad housing with truck having 630A TP integral VCB with Manual/Electric operated mechanism(Spring charging motor-230 VAC) | | | | | | |
| | A Set of air insulated copper Bus bar and chamber | | | | | | |
| | A Set of isolating plug and receptacle. | | | | | | |
| | A Set of Automatic safety shutter. | | | | | | |
| | A Set of dual core CTs. | | | | | | |
| | | | | | | | |
| | CT- I: | | | | | | |
| | Core I 100-50/5-5A class 5P-10(15 VA) | | | | | | |
| | Core II 100-50/5-5A class I (15 VA) | | | | | | |
| | 1- Ammeter selector switch (Built in) | | | | | | |
| | 1 - HT cable joint box for 3c x 185 Sq.mm XLPE cable (33 kv earthed) | | | | | | |
| | 3 nos PT 33V3/0.110V3 KV of (100VA) Cast resin type | | | | | | |
| | 1 nos Tripping coil & closing coil 24 V DC. | | | | | | |
| | 1 set of ON/OFF Trip & circuit healthy and phase and & breaker Test and service position indication lights | | | | | | |
| | 1 nos voltmeter with selector switch (built-in) | | | | | | |
| | 1-3 element O/C EF & SC relay(IDMT & Hi-set) | | | | | | |
| | 1- nos. multi-function meter with communication port (load management & compatible with PLC/ PC) | | | | | | |
| | 1- nos master trip relay | | | | | | |
| | 1- nos. circuit supervision relay. | | | | | | |
| | | | | | | | |
| 2 | OUT GOING PANELS (EACH SHALL COMPRISING OF): | Nos. | 2 | | | | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | | | |
|------------|--|-----|---|--|--|--|
| | 1- Metal clad housing with truck having 630A TP integral VCB with Manual/Electric operated mechanism(Spring charging motor-230 VAC) | | | | | |
| | 1 - Set of air insulated copper Bus bar and chamber | | | | | |
| | 1 - Set of isolating plug and receptacle. | | | | | |
| | 1 - Set of Automatic safety shutter. | | | | | |
| | 1 - Set of dual core CT s. | | | | | |
| | CT- I: | | | | | |
| | Core I 25/5A class 5P-10(15 VA) | | | | | |
| | Core II 25/5A class I (15 VA) | | | | | |
| | 1- Ammeter selector switch (Built in) | | | | | |
| | 1 - HT cable joint box for 3c x 185 Sq.mm XLPE cable (33 kv earthed) | | | | | |
| | 1 nos Tripping coil & closing coil 24 V DC. | | | | | |
| | 1 set of ON/OFF Trip & circuit healthy & breaker Test and service position indication lights | | | | | |
| | 1-3 element O/C EF & SC relay(IDMT & Hi-set) | | | | | |
| | 1- nos. multi-function meter with communication port (load management & compatible with PLC/ PC) | | | | | |
| | 1- nos master trip relay | | | | | |
| | 1- nos. circuit supervision relay. | | | | | |
| | 4 -2 element auxiliary relay for transformer (WTI, OTI, B/R, MOG, with alarm & trip) | | | | | |
| | 1- 12 way annunciator | | | | | |
| | | | | | | |
| 3 | SPARE 33kV,25kA MV VCB with trolley | nos | 1 | | | |
| | 1 Nos Incomer + 2 Nos outgoing + Nos Spare VCB with trolley | | | | | |
| | | | | | | |
| 4 | Air Circuit Breaker | | | | | |
| (A) | Supply, Erection, Testing and Commissioning of Air circuit Breaker 3200A 4 pole 1 nos draw out (50 KA) type electrically operated with 230V ac spring charged motor and with built in microprocessor based releases for O/C and E/F protection .(Make - Havells IHATV5232) | Set | 1 | | | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | | | |
|-----------------------|--|--------------------|------------------------|--|--|--|
| | 1 nos 24 V DC shunt release | | | | | |
| | 1 nos 230 V AC closing release | | | | | |
| | 1 nos 415 V AC under voltage release | | | | | |
| | 1 nos TNC switch | | | | | |
| (B) | Supply, Erection, Testing and Commissioning of Air circuit Breaker 2500A 4 pole 1 nos draw out (50 KA) type electrically operated with 230V ac spring charged motor and with built in microprocessor based releases for O/C and E/F protection .(Make - Havells IHATH5225) | Set | 1 | | | |
| | 1 nos 24 V DC shunt release | | | | | |
| | 1 nos 230 V AC closing release | | | | | |
| | 1 nos 415 V AC under voltage release | | | | | |
| | 1 nos TNC switch | | | | | |
| 5 | Supply, laying and making of end termination with gland of following size of XLPE insulated armoured copper cable of 1100V grade on existing cable surface of wall/ceiling with M.S. clamps, completes as required. | | | | | |
| <u>Sr. no.</u> | <u>Descriptions</u> | <u>Unit</u> | <u>Quantity</u> | | | |
| (A) | 2 C x 2.5 Sq.mm | meter | 100 | | | |
| (B) | 12 C x 2.5 Sq.mm | meter | 100 | | | |
| <u>Sr. no.</u> | <u>Descriptions</u> | <u>Unit</u> | <u>Quantity</u> | | | |
| 6 | Providing and fixing 50 mm x 6 mm G.I. strip in 100 mm dia G.I. pipe from earth electrode etc complete as required | meter | 40 | | | |
| 7 | Earthing with GI Earth plate 900 mm x 900 mmx 6 mm thick including maintenance accessories and providing enclosure with cover plate having locking arrangement and water pipe complete with charcoal and salt etc. as per required (Conforming to IS 3043) | set | 8 | | | |
| 8 | Providing and fixing 50 mm x 6 mm G.I. strip on surface or in recess for connections etc. as required. | meter | 400 | | | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | | | | |
|--------------|---|-----|----|--|--|--|--|
| 9 | Supply, Erection, Testing and Commissioning of 24 DC 200 AH sealed maintenance free batteries with semiconductor /IGBT (full wave rectifier) with auto manual/trickle boost facility battery charging unit complete one no. distribution board having incoming and outgoing 20A DP MCB (DC duty) as complete as required and as per technical specifications. | set | 1 | | | | |
| 10(A) | Supply, Erection, Testing and Commissioning of Multi-function meter with communication port (load management & compatible with PLC/ PC) (2 nos TRF I/C & 2 nos DG I/C) EM6400 1.0 RS 30002012 | nos | 4 | | | | |
| (B) | Supply, Erection, Testing and Commissioning of Digital Ampere meter DM3110 Three phase Ammeter 0.5 METSEDM3110 (Outgoing feeder) | nos | 10 | | | | |
| (C) | Supply, Erection, Testing and Commissioning of ON/OFF Indication lamp 230V AC (Red, Green) | nos | 40 | | | | |
| (D) | Supply, Erection, Testing and Commissioning of Indication lamp 230V AC (Red, Yellow& Blue) | nos | 12 | | | | |
| (E) | Supply, Erection, Testing and Commissioning of Under voltage release 415 V AC, Shunt release 24 V DC and Closing release 230 V AC with base set (2 nos TRF I/C & 2 nos DG I/C & 1 nos B/C) Make - Havells ACB | Set | 5 | | | | |
| (F) | Supply, Erection, Testing and Commissioning of Spring charging motor 230 V AC with device set (2 nos TRF I/C & 2 nos DG I/C & 1 nos B/C) Make - Havells ACB | Set | 5 | | | | |
| (G) | Supply, Erection, Testing and Commissioning of Voltage monitor relay UV, OV, PS of all respected materials. L&T SM 500 (2 nos TRF I/C & 2 nos DGI/C) | Job | 4 | | | | |
| 11(A) | INTERLOCKING: - Transformer incomer 2 nos, DG incomer 2nos and bus coupler 1 nos electrically interlock system with PLC of all respected | Job | 1 | | | | |

CHANAKYA NATIONAL LAW UNIVERSITY, PATNA

Nyaya Nagar, Mithapur, Patna -1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No. – 06/17-18

Dated: - 14/09/2017

(As Amended on 07/10/2017)

| | | | | | | | |
|------------|--|-------|-------------------------|--|--|--|--|
| | materials. | | | | | | |
| (B) | DG set 2 nos synchronization / Automation of all respected materials. | Job | 1 | | | | |
| 12 | Supply, Erection, testing and commissioning of Six Pole Structure with following items: | | | | | | |
| (A) | 06 metre dia 150mm G.I. Pipe | Nos | 6 | | | | |
| (B) | Channel 150x100 mm (18 feet) | Nos | 2 | | | | |
| (C) | Channel 150x100 mm (10 feet) | Nos | 12 | | | | |
| (D) | Channel Clamp with Nut Bolt | Nos | 30 | | | | |
| (E) | 33 kV Jointing kit Outdoor 185 sq.mm | Nos | 5 | | | | |
| (F) | 33 kV Jointing kit Indoor 185 sq.mm | Nos | 3 | | | | |
| (G) | Pipe earthing with all materials | Nos | 2 | | | | |
| (H) | 33 KV Isolator (800Amp) with gear box complete set | Nos | 2 | | | | |
| (I) | Panther Conductor 200 sq. mm | Meter | 30 | | | | |
| (J) | PG Clamp Double Nut Bolt | Nos | 18 | | | | |
| (K) | Nut bolt | Nos | As per site requirement | | | | |
| (L) | 33 KV Service Cable 185 sq.mm | Meter | 150 | | | | |

Name of the Quotationer

Seal of the Quotationer

Place

Date