



INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY  
AN AUTONOMOUS INSTITUTE UNDER DEPARTMENT  
OF SCIENCE AND TECHNOLOGY (GOVT. OF INDIA)  
Vigyan path, Paschim Boragaon, Garchuk,  
Guwahati –35

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INSTITUTE OF ADVANCED  
STUDY IN SCIENCE AND TECHNOLOGY  
(An autonomous Institute under Department of Science  
and Technology, Govt. of India) PASCHIM  
BORAGAON, GUWAHATI – 781 035.



**TECHNICAL BID**

**Tender Document for Supply of LT/HT  
Cables and accessories  
FOR 33/.433 kV SUBSTATION OF IASST,  
ASSAM**

09<sup>th</sup> October' 2022

Guwahati



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Guwahati –35



**INSTITUTE OF ADVANCED STUDY IN  
SCIENCE AND TECHNOLOGY VIGYAN  
PATH, PASCHIM BORAGAON,  
GUWAHATI – 781035.**

**Name of the Work: Supply of LT/HT Cables and accessories  
for 33/0.433KV Substation of IASST, Paschim Boragaon,  
Guwahati-35, Assam**

TENDER DOCUMENT NO: ADVT. NO. 369

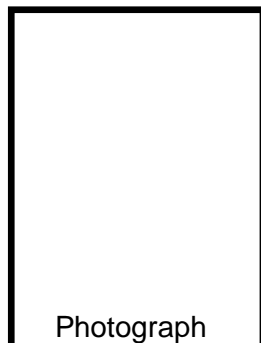
Name of

Contractor/Firm.....

Address of

Communication.....

Mobile No. : .....



Photograph



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Guwahati –35

Advt. No: 369

Dt.09.10.2022

**NOTICE INVITING TENDER**

On behalf of Director, IASST, Paschim Boragaon, Guwahati – 781 035, invites tenders from reputed firms for “Supply of LT/HT Cables and accessories for 33/0.433KV Substation” at IASST, Vigyan Path, Paschim Boragaon, Garchuk, Guwahati, 781035.

| NIT No | Name of works and Location  | Estimated cost put to tender         | Earnest Money     | Time of Completion | Last date of time            |   | Time & date of opening Tender |
|--------|---|--------------------------------------|-------------------|--------------------|------------------------------|---|-------------------------------|
|        |   |                                      |                   |                    | Download of tender documents | Submission of Tender document (Hard copy) |                               |
| 1      | 2   | 3                                    | 4                 | 5                  | 6                            | 7   | 8                             |
|        | <b>Supply of LT/HT Cables and accessories for 33/0.433KV Substation of IASST, ASSAM</b> | <b>₹40,27,095.00 (Including GST)</b> | <b>₹80,542.00</b> | 1 Months           | 14.10.2022 to 03.11.2022     | 03.11.2022 04:00 PM                       | 07.11.2022 3.00PM             |

Tender forms and other details can be obtained from the IASST website. Bidder downloading Tender Document from the website shall deposit Rs 2,000.00 (Rupees two thousand) only in form of Demand Draft in favour of Director, IASST, Paschim Boragaon, Ghy-35, along with the tender. Tender fees & EMD will be exempted as per Govt rule on submission supporting documents.

Details of tenders / terms & conditions can be downloaded from the website of the Institute [www.iasst.gov.in](http://www.iasst.gov.in)

Registrar  
Institute of Advanced Study  
In Science & Technology,  
Paschim Boragaon, Ghy-35.



**(a) Terms and conditions :**

**(A) Technical Eligibility:**

**1.0. Eligibility Criteria: Attach self attested copy of (Mandatory):**

- 1.1. Experience certificate of similar work (Supply and laying of LT/HT Cables and accessories) executed/Work order, if any.
  - 1.1.1. Three similar completed works, each costing not less than the amount equal of 40.0% of estimated cost put to tender i.e.Rs. 16.10 lakh.
  - 1.1.2. Two similar completed works, each costing not less than the amount equal to 60% of estimated cost put to tender i.e.Rs. 24.16 lakh.
  - 1.1.3. One similar completed works of aggregate cost not less than the amount equal to 80% of estimated cost put to tender i.e Rs. 32.21 lakh .
- 1.2. GST Registration Certificate.
- 1.3. Declaration that the firm has not been blacklisted by anyone.
- 1.4. Valid Electrical License issued by Electrical Licensing Authority, Assam.
- 1.5. Valid Contractor Registration Certificate Class II or above from APDCL.
- 1.6. Valid Supervisors License issued by Chief Electrical Licensing Authority, Assam
- 1.7. Trade License of the firm, showing his credential as a firm dealing in supply of Electrical Line Material.
- 1.8. MSME Registered Certificate showing the firm to be registered for manufacture /supply of Electrical Line Materials if any.
- 1.9. Information regarding any litigation, current or during the last five years, in which the Bidder is involved, the parties concerned, and disputed amount.
- 1.10. Pan Card.
- 1.11. Up to date (tender date) GSTR Return (GSTR1 & 3B).
- 1.12. ESIC Registration Certificate.
- 1.13. PF Registration Certificate.
- 1.14. Affidavit Sole Proprietorship certificate.
- 1.15. Manufacturers Authorization certificate from local dealer.

**(B) Financial Eligibility :**

**2.0. Financial Eligibility Criteria: Attached self attested copy of (Mandatory):**

- 2.1. Shall have average financial turnover of Rs.20.00 lakh on similar works during the last three years ending 31<sup>st</sup> march 2022.
- 2.2. Should not have incurred any loss in more than two years during the last five years ending 31<sup>st</sup> march 2022.
- 2.3. Shall have a solvency of Rs. 16.10lakh duly certified by bank not earlier than 6 (six) months from date of submission of bids.
- 2.4. Audited Balance sheet, Profit & Loss account, Auditor's report for FY 2018-19, 2019-20 & 2020-21.
- 2.5. CA certified audited turnover for FY 2018-19, 2019-20 & 2020-21.
- 2.6. Authority to seek references from the Bidder's Bankers.

**(b) Bid Evaluation Criteria:**

The Bidders qualifying the initial criteria as stated above may be further evaluated for the following criteria by scoring method on the basis of details furnished by them:



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- |   |              |
|---|--------------|
| a. Financial Strength (Form A & B)                          | Max 20 marks |
| b. Experience in Similar works during last 7 years (Form C) | Max 20 marks |
| c. Performance of works (Form D) Time over run              | Max 20 marks |
| d. Performance of works (Form D) Quality                    | Max 40 marks |
| <b>Total 100 marks.</b>                                     |              |

To become eligible for short listing the bidder must secure at least 50% marks in each and 60% marks in aggregate.

**(c) BIDS shall be submitted in two envelopes :**

**Envelope – 1** :- Technical Bid in CPWD Form 7/8 along with earnest Money deposit Tender shall be accompanied with earnest money of **₹80,542.00**(Rupees Eighty Thousand Five Hundred Forty Two Only) only as follows:-

**50% of earnest money i.e. ₹40,271.00** will have to be deposited in the shape of Demand Draft/ Call Deposit / Bankers cheque /FDR of a scheduled Bank issued in favor of Director, IASST, Paschim Boragaon, Ghy-35 and balance **50% of amount of earnest money can be accepted in the form of Bank Guarantee** issued by a scheduled Bank having validity for 6 months or more from the last date of receipt of tenders.

**Envelope – 2**:- Price bid filling up the BOQ issued with Tender document as Annexure-A. The rate quoted by the Contractor shall be firmed till completion of the supply work. No escalation of any account will be paid to the Contractor. As such the Clause 10C, 10CA, 10CC of CPWD 2019 General Condition of Contract on price escalation will not be applicable in this contract.

**(c) Evaluation of Technical Bid :-**

The Envelope – 1 will be opened first it will be evaluated in terms of criteria for evaluation as per CPWD norms (refer Annexure I of Appendix 20 of CPWD works Manual 2019). A bidder who scores minimum 60% marks in each of the categories (a) to (f) individually and scores minimum 70% on overall marks will qualify for price bid opening. Bidders who qualify for price bid opening shall be informed by the Institute. **No Sub contractors will be allowed and Contractor who show promise of early completion of above work in less than specifically work duration will be preferred with appropriate reward as per CPWD manual 2019.**

**(d) Bids opening :-**

1. The technical bid opening will be done in the presence of contractors who wish to witness the bid opening. Price bid opening will also be done in presence of contractors who have qualified for price bid opening.
2. Agreement shall be drawn with the successful participants on prescribed form No. CPWD 8, which is available as Govt. of India Publication with latest amendments. Participants shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
3. The time allowed for carrying out the work will be 1 months from date of issue of letter of acceptance of tender or from the first day of handling over of the site, whichever is later, in accordance with the phasing if any, indicated in the tender documents.



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4. The contractor whose tender is accepted will be required to furnish performance guarantee of 5% of the tendered amount within the period specified in scheduled “F” in the form of guarantee bonds of any scheduled Bank or the State Bank of India in accordance with the prescribed form.
5. In case the contractor fails to deposit the said performance guarantee within the period as indicated in scheduled – F including the extended period if any, the earnest money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

Date:  
Place:

Registrar  
IASST, Paschim Boragaon  
Guwahati – 35

IASST



**INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY,  
PASCHIM BORAGAON,  
GUWAHATI – 781035.**

**3.0.Introduction :**

- 3.1.0. The Institute of Advanced Study in Science and Technology, Paschim Boragaon, Guwahati-35, is a research and training organization registered under the Societies Registration Act. The institute is funded by the Govt. of India for maintenance and research activities in specific areas of national and regional importance.
- 3.2.0. IASST intends to qualify for execution works with technical supervisions and quality control of the jobs specify the works for the institutional complex of IASST in their own land at Paschim Boragaon, Guwahati – 35.
- 3.3.0. The objectives of this document is to pre-qualify the contractors for empanelment on evaluation based on feedback provided for the specialized job to be executed on item rate contract. The procurement and supply of materials will also be a part of the job unless otherwise decided. The bidder shall have necessary testing facilities for quality control or in association with recognized agencies as per requirement of I.S. and other relevant codes.

**4.0. Scope of works:**

- 4.1.0. The contractor is required to complete the Supply of LT/HT Cables and accessories for 33/0.433KV Sub-station, IASST by experienced manpower as per approved rates and guidelines of Jr. Electrical Engineer /Asstt. Engineer without any fault or damage to the items as mentioned in the Annexure-A.
- 4.2.0. All the LT/HT Cables and accessories shall meet the criteria for in accordance with relevant IE Codes.
- 4.3.0. The items offered shall be type tested from ERDA/CPRI or any other Test house of World repute. The OEM shall have to produce Type Test Certificates of offered items and type test report shall not be older than 5 (five) as on date of opening of the bid.

**5.0.Philosophy of Execution :**

The work is proposed to be executed on competitive bids from the selected list of the contractors on bid documents of IASST. The contractor will have total responsibility of delivering the products with their expertise on planned execution of the works with mobilization of necessary manpower with plants and machinery required for the specific job to the least botheration and entire satisfaction of IASST.

**6.0.Document /Information to be furnished by the Bidder: (Envelope – I)**

- 6.1.0. Financial Analysis – details to be furnished duly supported by figures in balance sheet / profit & loss account for the last five years (2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022) duly certified by the Chartered accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached) as per FORM “A”.
- 6.2.0. Solvency certificate from bankers of the bidder in the prescribe as per FORM “B”.



- 6.3.0. Copies of work orders, performance and completion certificates etc. from the clients for similar works executed and completed in the last five financial years (2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022) ending last day of the month ..... As per FORM 'C', FORM 'D', FORM 'E'.
- 6.4.0. Copies of valid ITC and GST.
- 6.5.0. **Valid electrical contractor license and supervision license upto 33 KV.**
- 6.6.0. Valid Contractor Registration Certificate Class II or above from APDCL.
- 6.7.0. Declaration that the firm has not been blacklisted by anyone.
- 6.8.0. PF registration and copy of certificate thereof.
- 6.9.0. Power of attorney in the name of person signing the application/ bid.
- 6.10.0. Quality assurance plan along with list of recognized test houses proposed for various tests.
- 6.11.0. Bidder may furnish any further information as considered necessary.

**7.0. Instruction to Bidders :**

- 7.1.0. Information furnished will be kept confidential.
- 7.2.0. All pages of this bid document to be signed and returned with the bid.
- 7.3.0. Each document furnished along with the bid will be required to be signed by person / person holding power of attorney on behalf of the organisation.
- 7.3.1. (a) Bids shall be submitted in sealed cover marked with **“Envelope-I” and “Envelope –II” and clearly mentioned the work name & name of the Bid.**
- 7.3.2. IASST shall not be responsible for any delay, loss or non-receipt of bids. Delayed bids or bids received in late shall not be considered.
- 7.3.3. FAX / Mail bids shall not be entertained.
- 7.3.4. For any discussion / clarification required on the bids, respective bidder shall be intimated in due course after opening of the bids.
- 7.4.0. The bidder must submit a copy of the recent passport size photo with the self attested.

Date :  
Place:

Registrar  
IASST, Paschim Boragaon,  
Guwahati – 35.





**FORM 'A'**

**Financial Information :**

Financial Analysis – details to be furnished duly supported by figures in balance sheet / profit & loss account for the last five years, duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached)

| YEARS |  |  |  |  |
|-------|--|--|--|--|
|       |  |  |  |  |
|       |  |  |  |  |

- (i) Gross Annual turn over on construction works.
- (ii) Profit /Loss
- (iii) Financial arrangements for carrying out the proposed work.
- (iv) Solvency Certificate from Bankers of the bidder in the prescribed FORM 'B'

Signature of Chartered Accountant with seal

Signature of Bidder(s)



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**FORM 'B'**

**FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information the M/s Shri / Mr.  
..... having marginally noted address,  
a customer of our bank is / are respectable and can be treated as good for any  
engagement upto a limit of Rs..... (Rupees  
.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the  
officers.

IASST

Signature  
For the Bank

- Note : 1. Bankers certificates should be on letter head of the Bank, sealed in cover  
addressed to  
tendering authority.  
2. In case of partnership firm, certificate should include names of all partners as  
recorded with the Bank.



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**FORM 'C'**

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE  
LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF  
TENDERS**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
|   |   |   |   |   |   |   |   |   |    |

1. Sl. No :
2. Name of work / project and location :
3. Owner or sponsoring organization :
4. Cost of work in Lakh of rupees :
5. Date of commencement as per contract :
6. Stipulated date of completion :
7. Actual date of completion :
8. Litigation arbitration cases pending / in progress with details :
9. Name & address / telephone No. of officer to whom reference may be made :
10. Whether the work was done on back to back basis yes/No

Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)



**FORM 'D'**

**PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS 'C'**

1. Name of work / project & location
2. Agreement No.
3. Estimated cost.
4. Tendered cost
5. Date of start
6. Date of completion
  - (i) Stipulated date of completion
  - (ii) Actual date of completion
7. Amount of compensation levied for delayed completion, if any
  - a) Whether case of levy of compensation for delay has been decided or not Yes/No
  - b) If decided amount of compensation levied for delayed completion, if any
8. Amount of reduced rate items, if any
9. Performance Report
  - (a) Quality of work very good/good/fair/poor
  - (b) Financial soundness very good/good/fair/poor
  - (c) Technical proficiency very good/good/fair/poor
  - (d) Resourcefulness very good/good/fair/poor
  - (e) General Behaviour very good/good/fair/poor

Dated:

Executive Engineer or Equivalent



**FORM 'E'**

**STRUCTURE & ORGANISATION**

1. Name & address of the bidder
2. Telephone No / Fax No
3. Legal status of the bidder (attached copies of original document defining the legal status)
  - (a) An individual
  - (b) A proprietary firm
  - (c) A firm in partnership
  - (d) A limited company or Corporation
4. Particulars or registration with various government Bodies (attach attested photocopy)

**Organisation /place or registration**

**Registration No.**

- 1.
- 2.
5. Names and titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorised to act for the organisation.
7. Was the bidder ever required to suspend construction for a period of more than six months continuously after he commenced the construction? If so, give the name of the project and reasons of suspension of work.
8. Has the bidder, or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.
9. Has the bidder, or any constituent partner in case of partnership firm, ever been debarred / black listed for tendering in any organisation at any time? If so, give details.
10. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details.
11. In which field of Civil engineering construction the bidder has specialization and interest?



## Form of performance security (Guarantee)

### Bank Guarantee Bond

In consideration of the Director, Institute of Advance Study in Science and Technology (hereinafter called "The Institute") having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and \_\_\_\_\_ (hereinafter called "the said Contractor(s)" for the work \_\_\_\_\_ (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. --- ----- ( Rupees \_\_\_\_\_ only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, \_\_\_\_\_ (hereinafter referred to as "the Bank") hereby undertake (Indicate the name of the Bank) To pay to the Institute an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only ) on demand by the Institute.

1. We, \_\_\_\_\_ -do hereby undertake to pay the amounts due and payable (Indicate the name of the Bank) Under this guarantee without any demure, merely on a demand from the Institute stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

2. We, the said bank further undertake to pay the Institute any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relocating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

3. We, \_\_\_\_\_ further agree that the guarantee herein contained shall (Indicate the name of the bank)

Remain in full force and effect during the period that would be taken for the Performance of the said agreement and that it shall continue to be enforceable will all the dues of the Institute under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till IASST authority on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, \_\_\_\_\_ further agree with the Institute shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said



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contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance act of commission

on the part of the Institute or any indulgence by the Institute to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of bank or the Contractor(s).

7. We, \_\_\_\_\_lastly undertake not to revoke this guarantee except  
(Indicate the name of the Bank)

With the previous consent of the Institute in writing.

8. This guarantee shall be valid upto \_\_\_\_\_unless extended on demand by the Institute. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. \_\_\_\_\_(Rupees. \_\_\_\_\_only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the \_\_\_\_\_ day of \_\_\_\_\_for \_\_\_\_\_(indicate the name of the Bank)



**Form of performance security (Guarantee)**  
**Bank Guarantee Bond**

In consideration of the Director, IASST (hereinafter called “IASST”) having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and \_\_\_\_\_ (hereinafter called “the said Contractor(s)”) for the work \_\_\_\_\_ (hereinafter called “the said agreement”) having agreed to production of an irrevocable Bank Guarantee for Rs.----- ( Rupees \_\_\_\_\_ only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, \_\_\_\_\_ (hereinafter referred to as “the Bank”) hereby undertake (Indicate the name of the Bank) to pay to the IASST an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only ) on demand by the IASST.

4. We, \_\_\_\_\_ -do hereby undertake to pay the amounts due and payable (Indicate the name of the Bank) Under this guarantee without any demure, merely on a demand from the IASST stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

5. We, the said bank further undertake to pay the IASST any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relocating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.





6. We, \_\_\_\_\_ further agree that the guarantee herein contained shall  
(Indicate the name of the bank)

Remain in full force and effect during the period that would be taken for the Performance of the said agreement and that it shall continue to be enforceable will all the dues of the IASST under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till IASST authority on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, \_\_\_\_\_ further agree with the Government that the Government  
(Indicate the name of the Bank)

Shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the IASST against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance act of commission on the part of the IASST or any indulgence by the IASST to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of bank or the Contractor(s).



7. We, \_\_\_\_\_lastly undertake not to revoke this guarantee except  
(Indicate the name of the Bank)

With the previous consent of the Government in writing.

9. This guarantee shall be valid upto\_\_\_\_\_unless extended on demand by the IASST. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.\_\_\_\_\_(Rupees. \_\_\_\_\_only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the\_\_\_\_\_ day of \_\_\_\_\_for \_\_\_\_\_(indicate the name of the Bank)

IASST



## TECHNICAL SPECIFICATIONS FOR LT/HT CABLES AND ACCESSORIES

### GENERAL TECHNICAL REQUIREMENTS

#### 8.1.0. SITE CONDITION :

Temperature:

Max. : 50 deg C

Min : 5 deg C

Avg : 32 deg C

Humidity: Max : 100% & Min : 10%

Pollution: Highly polluted Class III

#### 8.2.0. REFERENCE STANDARD:

8.3.1. All Cables and accessories shall be designed, manufactured and tested in accordance with the latest applicable IEC standard.

8.3.2. Cables and accessories conforming to any other standard, which ensures equal or better quality, may be accepted. In such case copies of English version of the standard adopted shall be submitted.

8.3.3. The Cables and accessories shall meet the requirement of Indian Electricity Rules, 1956 as amended up to date, relevant IS code of practice and Indian Electricity Act, 1910. The Electricity Act, 2003 shall also apply. In addition other rules and regulations applicable to the work shall be followed. In case of any discrepancy, the most stringent and restrictive one shall be binding.

#### 8.4.0. PARAMETERS OF CABLES AND ACCESSORIES:

As mentioned in Annexure-A.

#### 8.5.0. MAKE OF MAIN / MAJOR EQUIPMENTS

- ❖ Makes of HT/LT Cables: HAVELLS/ POLYCAB/KEI make.
- ❖ Makes of Cable end kit for 33KV, 120 Sq.mm., 1C Cable (Indoor type) : 3M / Raychem make.
- ❖ Makes of Cable end kit for 33KV, 120 Sq.mm., 1C Cable (Outdoor type) : 3M / Raychem make.



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Guwahati –35

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**INSTITUTE OF ADVANCED STUDY IN  
SCIENCE AND TECHNOLOGY VIGYAN  
PATH, PASCHIM BORAGAON,  
GUWAHATI – 781035.**

**PRICE BID DOCUMENT**

**FOR**

**Supply of LT/HT Cables and accessories**

**FOR 33/.433 kV SUBSTATION OF IASST, ASSAM**

**Paschim Boragaon,Guwahati-35.**



**ANNEXURE-A: Supply of LT/HT Cables and Accessories**

**(To be submitted in the Part-II, 'Price bid' in sealed envelope in quadruplicate)**

| Sl. No.             | Item   | Qty.     | Current rate per unit | Amount            |
|---------------------|--|----------|-----------------------|-------------------|
| <b>A</b>            | <b>Supply of PVC /XLPE insulated and PVC sheathed 11KV gd aluminium conductor LT armoured UG cable</b> |          |                       |                   |
| 1                   | 400 Sq.mm/3.5 Core (Al)  | 400 Mtr. |                       |                   |
| 2                   | 300 Sq.mm/3.5 Core (Al)  | 400 Mtr. |                       |                   |
| 3                   | 240 Sq.mm/3.5 Core (Al)  | 300 Mtr  |                       |                   |
| 4                   | 185 Sq.mm/3.5 Core (Al)  | 200 Mtr  |                       |                   |
| 5                   | 150 Sq.mm/3.5 Core (Al)  | 200 Mtr  |                       |                   |
| 6                   | 95 Sq.mm/3.5 Core (Al)   | 200 Mtr  |                       |                   |
| 7                   | 70 Sq.mm/3.5 Core (Al)   | 200 Mtr  |                       |                   |
| 8                   | 50 Sq.mm/3.5 Core (Al)   | 150 Mtr  |                       |                   |
| 9                   | 35 Sq.mm/3.5 Core (Al)   | 120 Mtr  |                       |                   |
| 10                  | 25 Sq.mm/3.5 Core (Al)   | 120 Mtr  |                       |                   |
| 11                  | 2.5 Sq.mm,7C Control cable (Al)  | 40 Mtr   |                       |                   |
| B.                  | 33KV, HT Power Cables, Al. Conductor-A2XWαY, 120Sq.mm., 1C XPLE Cable                                  | 150 Mtr  |                       |                   |
| C.                  | Cable end kit for 33KV, 120 Sq.mm.,1C Cable (Outdoor type), Preferred Brand – 3M/Raychem make)         | 5 Nos.   |                       |                   |
| D.                  | Cable end kit for 33KV, 120 Sq.mm.,1C Cable (Indoor type), Preferred Brand – 3M/Raychem make)          | 5 Nos.   |                       |                   |
| <b>Total Amount</b> |  |          |                       |                   |
| <b>GST@18%</b>      |  |          |                       |                   |
| <b>Grand Total</b>  |  |          |                       |                   |
|                     |  |          |                       | <b>(In words)</b> |

- **Specified in BOO at Price Bid Annexure-A inclusive of all overhead, contractor's profit, all other costs and inclusive of GST on supply contract. Statutory deductions will be made from the final bill amount.**

**(Name & Signature of authorized Signatory with seal)**

Address: \_\_\_\_\_  
Mobile No. \_\_\_\_\_  
E mail: \_\_\_\_\_



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