

OFFICE OF THE CHIEF GENERAL MANAGER (T&T),
BIJULEE BHAWAN, GUWAHATI-781 001



TENDER DOCUMENT FOR

NIT NO: -Short Tender Notice No. AEGCL/MD/Tech-753/Nathkuchi GSS/**7**
of CGM (T&T)

NAME OF THE WORK: - Soil investigation to be carried out at the 2x25mVA
132/33kV Nathkuchi GSS, AEGCL

June'2018

Price: - ₹500/-



ASSAM ELECTRICITY GRID CORPORATION LIMITED

Regd. Office: 1st Floor, Bijulee Bhawan. PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238

PHONE: 0361-2739520 FAX NO.0361-2739513

Web: www.aegcl.co.in Email: managing.director@aeqcl.co.in

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Chapter-I

Short Tender Notice

No. AEGCL/MD/Tech-753/Nathkuchi GSS/7

dtd:-29-06-2018

Chief General Manager (T&T), AEGCL invites short sealed quotation in prescribed format from experienced contractor/firm having experience in soil investigation works for execution of the following works at 132 kV Nathkuchi GSS campus of AEGCL.

Invitee: The Chief General Manager (T&T), AEGCL.

Name of Work: **Soil Investigation of 132/33kV Nathkuchi GSS, AEGCL.**

Duration of Completion: 1(one) month from date of issue of the work order/handing over of site.

Tender Fee (Non Refundable): INR 500/- (Rupees Five Hundred) only.

Earnest Money Deposit (EMD): INR 10,000/- (Rupees Ten Thousand) only.

Address: The Chief General Manager (T&T), AEGCL, 1st Floor, Bijulee Bhawan, Ghy-781001 Attn: AGM-III

Issue of Tender Paper/Tender Start Date: On all working days from **02.07.18**

Receipt of Tender Paper /Tender end Date: Till 12: 00hrs of **09.07.18**

Tender opening Date: 14:30 hrs. **09.07.18**

In case the date of receiving of tenders happen to be holiday the next working day will be treated as receiving/ opening date of tender at the same time and place.

The undersigned reserves the right to reject the tender (partly or in whole) without assigning any reason thereof and does not bind himself to accept the lowest tender.

S/d

Chief General Manager (T&T)
Assam Electricity Grid Corporation Ltd.



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Chapter-II

Scope of Work

The brief description of scope covered under this Bidding Document is furnished below:

- a) Conducting soil investigation test necessary to initiate the process of construction of the 132/33 kV Nathkuchi Grid Sub-station near Tihu in Nalbari District of Lower Assam.
- b) The different tests need to be carried out are as follows:
 - Natural Moisture content
 - Particle size Analysis
 - Index Properties
 - Unconfined Compression Test
 - Bulk & Dry Density Test
 - Shear test by Triaxial compression
 - Direct shear Test
 - Consolidation test (Odometer)
 - Chemical analysis for soil & sub-soil water
 - Making Test Bores on soil including taking out undisturbed and disturbed soil samples
 - Maintaining driving records of standard penetration test at various depths in soil
 - Conducting Plate Load Test
 - Earth Resistivity Test
 - Hydrometer Analysis
 - Standard Proctor compaction test
 - Relative Density (for sand)
 - California bearing ratio
 - Any other tests as required per attached – schedule of work.



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Chapter-III

Instruction for Bidders and General Terms and Conditions

1. Sealed bids in prescribed format are to be submitted with Name of the Work, Tender Reference No./Short Tender Ref No. and Name of the bidder mentioned on the sealed envelopes containing the bids.
2. The tender shall be submitted in two separate parts, each in separate sealed covers superscribed as follows. Part I – Technical & Commercial bid. Part II – Price bid.
3. Tender should be written either in ink or typed. No tender filled in otherwise shall be considered.
4. Every tender must be accompanied with Earnest Money amounting to INR 10,000/- in the form of A/C payee Demand draft/ Bankers Cheque pledged in favour of the MD, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, and Payable at Guwahati. Tenders without EMD / EMD of lesser amount shall be rejected outright.
5. The cost of the tender documents is Rs. 500.00 (Rupees five hundred) only in the form of Bank draft in favour of Managing Director, office of the Managing Director, AEGCL, Guwahati-781001 and to be submitted along with the tender in 'Part I – Technical & Commercial bid'.
6. The rates against item(s) as detailed in the Schedule of Work (Chapter-V) are to be quoted as per the given schedule and shall be submitted along with the bid in "Part II – Price bid."
7. Every tender should quote rate of all items clearly both in figure and word. Taxes should be indicated separately in given columns.
8. The tenders should reach/ be submitted in the office of the Managing Director, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-781001 on or before 12-00 hours on 09.07.18.
9. The Part-I (Technical & Commercial bid) of the tender will be **opened at 14-30 hours on 28.03.13** in the office of the Managing Director, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-781001, in presence of the authorised representatives who desire to be present.
10. The Part-II (Price bid) of the bidders whose bids are shortlisted in the "Technical Evaluation" of Part-I (Technical & Commercial bid) shall be opened separately.
11. Tenders shall preferably be submitted in person or by registered post with AD. Tenders received late due to delay in postal/courier service/ late due to any other reason shall not be considered. The tenders received after due date and time shall be returned unopened by post.
 - (a) Telegraphic tenders / tenders sent by means of FAX shall not be considered
 - (b) If for any unforeseen reasons the date of opening of bid turns into a holiday, the tenders shall be opened on the next working day at the specified time
12. The tender shall be accompanied with the registration certificate / GST/ Income tax certificate etc. of the contractor/ firm etc. participating as the bidder.
13. The contractor must have registration with the concerned department of Government of Assam/Govt. of India.
14. The Contractor/Firm should produce work experience/completion certificate from officer not below the rank of Executive Engineer strictly in the name of the Contractor/Firm of atleast 1(one) complete work relevant to the tendered work, done within last 3 years.
15. All pages of the submitted bid by an intending bidder must contact seal and signature of the bidder.



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16. The Chief General Manager, (T&T), AEGCL Circle reserves the right to reject any or all the tenders without assigning any reason thereof and further reserves the right to split up the supply order/ work order in favour of more than one contractor.
17. The works vide the work order issued to the successful bidder must not be sublet.
18. No labour below 18 years should be engaged and contractor should have labour licence from competent authority.
19. The tender shall have to be submitted in the prescribed form only.
20. The tender shall be completed in all respect. Incomplete tender will not be considered and will be rejected.
21. The contractor will be responsible for safety of his materials.
22. Cost for construction of temporary building for storage of materials etc. house for contractor and staff should bear by the contractor. No rent will be paid by the AEGCL.
23. Compensation for obtaining soil from private land, if any will be paid by the contractor.
24. **Eligibility Criteria:**
 - (i) **EXPERIENCE:**

Reputed and financially sound Civil engineering firms/contractors having experience of executing similar nature of work (Submitted with supporting documents).

Documentary Evidence of Experience in works of a similar nature and volume for each such work in the last five years, and/or details of works presently under way or contractually committed and their respective clients.
 - (ii) **CAPABILITY**
 - (a) Each bid shall be accompanied by a statement by the bidder declaring that he/she/it is a bona-fide engineering contractor and has in possession adequate equipment, access to a proper laboratory (including all testing apparatus), qualified personnel to fill positions required for execution of the work.
 - (b) The Bidder will supply information of the key personnel, design & engineering staff, support staff, field staff etc. proposed for the work along with details of their experience in similar nature of work.
 - (c) The Bidder should also substantiate availability (either owned or leased) of the tools, tackles, spare parts etc. for carrying out the works.
25. **Supervising Authority:** The work shall be carried out under supervision of the AGM, Rangia T&T Division (Consignee and site in charge). After completion of the work, the report is to be submitted to the GM (P&E), AEGCL, Narengi.
26. **Approving Authority:** The GM (P&E), AEGCL, Narengi shall approve the submitted report. After approval, the contractor shall submit the report(s) to this office as follows:

Hard copies: 6 nos. Soft copies: in USB drives.
27. **Execution of Work:** The execution of work shall be done in the presence of AEGCL officials/representatives. The successful bidder before beginning of the work shall intimate AEGCL regarding their readiness to initiate the work, upon which the CGM (T&T), AEGCL shall appoint his representative in whose presence the work shall have to be executed.
28. **Liquidated Damage:** The date of completion of work shall be deemed as the essence of the contract and shall not be completed no later than the time specified in the contract. In case of failure, AEGCL shall be entitled to recover an amount at the rate of 0.5% of the contract price per week subject to maximum of 10%



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of the work order value as liquidated damage of AEGCL. However, the payment of liquidated damages shall not in any way relieve the Contractor from any of its obligations to complete the work.

29. **Performance Guarantee:** An BG for an amount equivalent to 10% (ten percent) of the total value of the work will shall have to be submitted as performance security within 15 days from date of issue of the W.O. and the said BG shall be valid for a period of upto 3(three) months from the date of issue of W.O. After successful completion of the work and on completion of the period, the BG shall be released on written request from the bidder.

30. Income tax shall be deducted at source. GST as per the GST norms shall be paid to the contractor.

31. The contractor should produce experience of such work executed earlier with supporting documents.

32. BIDDER SHOULD EXAMINE & UNDERSTAND

All prospective bidders are required to thoroughly study and carefully examine all the terms and conditions, instructions, requirements & specifications pertaining to the work and visit the field of work to fully satisfy and acquaint themselves about the nature and location of work, the configuration of the ground, the surface conditions, quality and quantity of materials required and the type of equipment and facilities needed preliminary to and during the execution of the work and local conditions which may affect the work or cost thereof. Failure to do so will be at the bidder's risk.

33. Any condition not included herewith will be applicable as per the "GENERAL CONDITIONS OF SUPPLY AND ERECTION-2009" OF AEGCL.



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Chapter –IV

BIDDER DETAILS

Tender Notice No. AEGCL/MD/Tech-753/Nathkuchi GSS/7 dtd:-29-06-2018

Name of work: **Soil Investigation of 132/33kV Nathkuchi GSS, AEGCL.**

Name of Bidder:-

Address: -

Bidder's Contact Official/Representative

Contact No:

Email Id:

Contact No:

PREVIOUS EXPERIENCE (As per Clause 16, Chapter-III):

(Make a list of your works of similar nature executed/completed by you along with [supporting documents](#) and enclose. Attach sheets if necessary).

DECLARATION (As per Clause 16, Chapter-III):

Manpower & Equipment(s) List (As per Clause 16, Chapter-III):

Seal and Signature of the Bidder.



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Chapter –V

SCHEDULE OF WORK

(To be filled up and submitted separately as part of the 2nd Envelope i.e Part-II – Price BID)

From

.....
.....
.....

To

The Chief General Manager (T&T),

AEGCL,

1st Floor, Bijulee Bhawan, Ghy-781001

Sub: - Submission of Tender for the Work – “NAME OF THE WORK”.

Ref: Your Tender Notice NO.AEGCL/MD/Tech-753/Nathkuchi GSS/7 dtd:-29-06-2018

Sir,

Having thoroughly examined all terms and conditions of the NIT and having clearly understood the scope and specifications of the work to be executed as incorporated in the tender specification, I/We.....am/are submitting my/our rates for the work as follows;

NAME OF WORK: Soil Investigation of 132/33kV Nathkuchi GSS, AEGCL.

Item No.	Description of Test	Unit Of measurement	Qty.	Unit Rate (Rs)	GST (Rs)	Amount (Rs)
1	Mobilization & Demobilization of team & Equipment to site and return					
	i) For proposed Nathkuchi GSS	LS	1			
2	Soil sample test in approved laboratory					
	A. Natural Moisture Content	Each	35			
	B. Particle Size Analysis					
	i) Sieve	Each	17			
	ii) Mechanical Analysis	Each	17			
	C. Index Properties (Liquid & Plastic Limits, shrinkage & Plasticity index)	Each	35			
	D. Bulk & Dry Density	Each	35			
	E. Unconfined Compression Test	Each	35			
	F. Shear Test by Triaxial Compression	Each	21			
	G. Direct Shear Test	Each	21			
	H. Consolidation test (Odometer)	Each	21			
	I. Chemical analysis for					
	i) Soil	Each	2			
ii) Sub-Soil water	Each	2				



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Item No.	Description of Test	Unit Of measurement	Qty.	Unit Rate (Rs)	GST (Rs)	Amount (Rs)
3.	Making Test Bores on soil including taking out undisturbed and disturbed soil samples, maintaining driving records of standard penetration test at various depths in soil and furnishing the necessary report and data in bore log form in sextuplicate to the engineer.					
	A. Upto 15m depth from natural ground level (15Mx 12 Nos. BH)	RM	180			
4.	PLT- Conducting Plate Load Test including all necessary arrangements.					
5.	Earth Resistivity test with four point Megger.					
6.	1. Hydrometer Analysis					
	2. Standard Proctor Compaction Test					
	3. Relative Density (for sand)					
	4. California Bearing Ratio					
	5. Preparation and submission of report on soil investigation including recommendations as per specifications.					

Signature of the Bidder.