

Central Power Research Institute

Mechanical Engineering Division

e-NIT/e-Tender/Agreement

1	Name of the work	Outsourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower-like Structures at Tower Testing Station of CPRI, Bengaluru.
2	Estimate cost put to tender	Rs.30,00,000/- for two years
3	Period of completion	2 Years
4	Schedule of rates	As per CPRI Scope of Works
5	Specifications	As per CPRI Scope of Works
6	Details of materials to be issued by CPRI	Nil
7	Details of T and P to be hired to the contractor	Nil
8	Earnest Money Deposit	Rs. 60,000/-

Certified that the e-NIT/e-Tender/Agreement contains **26** Pages (Pages **Twenty Six** Only) excluding the covering sheets.

Sd/-

Joint Director

Name of work: Out sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Station of CPRI, Bengaluru.

Important statement of objects and reasons:

1. Reference to CPWD specifications, CPWD tender/contract forms- 6&8, as well as, those made in this tender document etc., shall be operative only to the extent that they are not inconsistent / inapplicable with any of the terms and conditions contained in this document.
2. The under mentioned changes / substitutions mutatis mutandis shall be applicable to this tender document as well as to the formal agreement that would be concluded in CPWD GCC form-8 of 2023 edition with upto date amendments, wherever references are made as under:

IN THE PLACE OF	SUBSTITUTE
Government / central government:	Central Power Research Institute (CPRI)
Chief Engineer	Director General, CPRI (DG, CPRI)
Superintending Engineer/SE	Chairman, High Power Committee, CPRI, Bangalore (Chairman, HPC)
Division Engineer/Executive Engineer/Engineer-in-Charge	Joint Director/Engineer-in-Charge, Mechanical Engineering Division, CPRI, Bangalore
Subdivision Officer/SDO /Assistant Engineer/Assistant Executive Engineer	Engineering officer, Mechanical Engineering Division, CPRI, Bangalore
Junior Engineer	Engineering Officer/ Engineering Assistant, Mechanical Engineering Division, CPRI, Bangalore
CPWD/Department	Central Power Research Institute (CPRI)

3. Powers / duties vested with certain officers by designation like Chief Engineer, Superintending Engineer, Executive Engineer, Assistant Executive Engineer, Divisional Officer, Sub-divisional Officer, Junior Engineer, Divisional Accountant, etc., contained in this document shall be exercised and discharged by such of the officers of the institute as may be nominated / authorized / substituted by Director General, CPRI for the purpose of operation of the contract from time to time.
4. In case of any discrepancy / discrepancies noticed between Hindi version and English version in this e-NIT and/ or e-Tender and / or Contract, the English version shall prevail or the English version shall hold good.

NOTICE TO BE ISSUED FOR PUBLICITY

NOTICE INVITING E-TENDERS (Through e-tendering only) <https://cpri.res.in/>

The Engineer-in-Charge, Mechanical Engineering Division, CPRI, Bangalore invites on behalf of Director General, CPRI, Bangalore online item rate e-tenders for following work:-

e-NIT No. **04/2025-26**

Name of work: - Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Station of CPRI, Bengaluru.

1.	Estimated cost:	Rs.30,00,000/- for two years
2.	Earnest money:	Rs. 60,000/-
3.	E-tender processing fee:	Rs.3,540/-(0.1% of estimated cost put to tender + 18% GST)
4.	Tender fee:	Nil
5.	Time of completion:	2 years

The e-tender forms / documents and other details can be downloaded from the website: www.tenderwizard.com/CPRI. The last date for submission of online e-tenders is upto **07.08.2025**. Interested and eligible bidders must obtain User ID and password by registering in the above mentioned website. For more details contact e-tender help desk: 080-40482000, 9686196764, 9686115318. Email ID of the Engineer-in-Charge: msraj@cpri.in

CENTRAL POWER RESEARCH INSTITUTE
MECHANICAL ENGINEERING DIVISION
Bengaluru

Notice Inviting Tender through e-tendering only

The Engineer-in-Charge, Mechanical Engineering Division, Central Power Research Institute (CPRI), Bangalore on behalf of Director General, CPRI invites online item rate e-tenders from specialized agencies for the following work.

Sl. no	NIT no.	Name of the work & location	Estimate cost put to tender (in Rs.)	Earnest money (in Rs.)	E-Tender processing fee	Time of completion	Last date & time of submission of online	Last date & time for submission of EMD, e-tender processing fee and other stipulated documents	Date and time of opening of technical	Date & time of opening of online bid
1	2	3	4	5	6	7	8	9	10	11
01	04/2025-26	Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Stations	Rs.30,00,000/-	2 % of estimated cost put to tenderz)	Rs.3,540/- (0.1% of estimated cost put to tender + 18%		07.08.2025 upto 3.00 PM	07.08.2025 upto 3.00 PM	07.08.2025 at 4.00 PM	14.08.2025 at 3.30 PM

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

(a) Should have satisfactorily completed work/ works as mentioned below during the last seven years ending on 31.03.2025.

- i. The Firm / agency shall have experience in all the works listed below with respect to transmission line towers, similar structures, line accessories etc., for projects / towers / monopoles either in tower testing station or at site. The firm shall have experience in stringing of conductors / rigging works at any test station or at site. The proof of similar works carried out shall be produced with satisfactory completion certificate from the agency for whom the works were executed.

(i) Three similar works each of value not less than Rs.12,00,000/-(40 % of estimated cost put to tender) or two similar works, each of value not less than Rs.18,00,000/- (60 % of estimated cost put to tender) or one similar work of value not less than Rs.24,00,000/- (80 % of estimated cost put to tender) in the last 7 years ending on 31.03.2025.

Similar work means “Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Stations”. The similar work/s shall be with some Central/ State Government/ Central autonomous / Central Public Sector undertaking / State Public Sector undertaking/ stringing of conductors / rigging works at any tower testing station or at site. The contractor shall submit work completion certificate signed by an officer not less than the rank of Executive Engineer or above for the work carried out with Government Sector Organizations. The value of executed works shall be brought to current costing level by enhancing actual value of work at simple rate of 7% per annum; calculated from the date of completion to the last date of receipt of application for bids. In case the work completed certificate is from those other than Government sector organizations, it shall be supported by relevant IT returns for the said work. In case of agencies who have been earlier awarded works at CPRI & if the works are in progress and not completed, then the work order amount of such work shall be reduced from the work completion certificate, if same certificate had been produced for the earlier awarded work.

2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and if he is in possession of all the documents required.
3. Information and instructions for bidders posted on ‘www.tenderwizard.com/CPRI’ website shall form as part and parcel of the bid document.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website: www.tenderwizard.com/CPRI free of cost.
5. But the bid can only be submitted after depositing the original EMD and E-Tender processing fee, uploading the mandatory scanned documents such as Banker’s cheque/ Online transaction acknowledgement / Demand Draft drawn from any scheduled bank guaranteed by Reserve Bank of India, towards cost of EMD in favour of ‘Accounts Officer, CPRI, Bangalore’, and e-tendering processing fee in favour of KSEDCL-payable at Bangalore. Earnest Money shall be in the form of Demand Draft / Banker’s Cheque / FDR issued by any scheduled bank guaranteed by Reserve Bank of India, drawn in favour of the ‘Accounts Officer, CPRI, Bangalore. FDR shall be pledged in favour of the ‘Director General, CPRI and Bangalore’. **For consideration of tender, the original earnest money deposit and tender processing fee and attested copies of valid registration certificate as contractor and relevant work experience certificates and registration with GST should be handed over in the office of the undersigned on or before date and time as mentioned in column 9 of the table. In case the bidder fails to deposit the original Earnest Money Deposit and Tender Processing Fee, in case of payment mode other than ‘online payment’, such bidder shall stand disqualified.**

6. The contractors who are not registered for e-tendering on the website mentioned are required to get prior registration with KEONICS, No.24, 3rd Stage, 4th Block, Basaveshwarnagar, Bangalore –560 079 , after fulfilling due procedural formalities, including making payment of the requisite registration fee of Rs.2360/- in the form of Demand Draft in favour of KSEDCL payable at Bangalore.

If needed, bidders can be imparted training on online bidding process as per details available on the website.

7. One of the pre-requisites for participation in e-tendering is obtaining a valid Class III Digital Signature Certificate from one of the Digital Signature Certifying authorities such as NIC, MTNL, e-Mudhra, TCS, Safescrypt, GNFC etc., preferably through KEONICS.

8. On opening date, the contractors can login and can witness the bids opening process. Sequel to the opening of bids at the appointed date & time, the tenderers would automatically receive competitor- bid- sheets, giving them a clear picture as to where they stand in the competition.

9. Contractors can upload documents in the form of JPG format and/ PDF format.

10. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells, a warning appears that if any cell is left blank the same shall be treated as “0”

Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as “0” (ZERO). Further, if a tenderer quotes nil rates against each item in tem rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer. Such tenderer shall be disqualified from bidding for any contract with CPRI for a period of one year from the date of the subject tender notification.

11. The bidder shall furnish an affidavit on non-judicial stamp paper of appropriate value duly attested by a notary as under:

I/we undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred from tendering in CPRI in future, forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee furnished by me/us.

12. The competent authority reserves the right to accept or reject any or all tenders, without assigning any reason thereof.

II. List of Documents to be scanned and uploaded within the period of bid submission:

1. Demand Draft/Banker’s Cheque/FDR issued by any of scheduled banks guaranteed by Reserve Bank of India, drawn in favour of the ‘Accounts Officer, CPRI, Bangalore’ against EMD or proof of online payment via tender wizard.

2. Demand Draft towards cost of e-tendering processing fee payable in the form of banker’s cheque or DD in favor of ‘**KSEDCL**’ payable at Bangalore or proof of online payment via tender wizard

3. Certificates of Work experience.

4. Certificate of Registration with Goods and Service Tax department for GST tax payment etc.

6. “ IT returns in case of private firm experience ”

Sd/-

Joint Director,
Mechanical Engineering Division, CPRI,
Bengaluru

FORM-6

Central Power Research Institute
Bengaluru
(CPWD form-6 for e-Tendering)

Item rate e-tenders are invited on behalf of Director General, Central Power Research Institute from specialized agencies for the work of **Name of work: Out Sourcing of** Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Station of CPRI, Bengaluru.

1.1 The work is estimated to cost Rs.30,00,00/- This estimate, however, is given merely as a rough guide.

1.2 Intending bidder is eligible to submit the bid, provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

1.2.1 Criteria of eligibility for submission of bid documents: Should have satisfactorily completed work/ works as mentioned below during the last seven years ending on 31.03.2025. Three similar works each of value not less than Rs.12,00,000/- (40 % of estimated cost put to tender) or two similar works, each of value not less than Rs.18,00,000/- (60 % of estimated cost put to tender) or one similar work of value not less than Rs.24,00,000/- (80 % of estimated cost put to tender) in the last 7 years ending on 31.03.2025.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of bid .

1.2.2 To become eligible for issue of bid, the bidder shall have to furnish an affidavit on a non-judicial stamp paper of worth Rs.100/- attested by a notary as under:

I/we undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred from tendering in CPRI in future, forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee furnished by me/us. I/We also confirm that none of the contracts executed by me/us in the past have been rescinded / terminated by any of client department and I/we have not been black listed by any department.

2. Agreement shall be drawn with the successful bidder on prescribed CPWD GCC form-8 of 2020 incorporating amendments upto Circular bearing No. DG/CON/Maintanance-2023/11 dated 29.10.2024, which is available as a Govt. of India Publication. Bidders shall quote their 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 **2 years** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

4. The site for the work is available.

The site for the work is available on acceptance of LOA.

5. The bid document consisting of plans, specifications, the schedule of quantities of the various types of items to be executed and the set of terms and conditions of contract to be complied with and other necessary documents, except standard general conditions of contract form can be seen on website www.tenderwizard.com/CPRI , free of cost. General Conditions of Contract 2024 Maintenance Works is available as a standard document on CPWD website which has free access for everyone. Hence GCC document is not printed along with the e-NIT. However, the applicable GCC (with relevancy of conditions indicated in clear terms) shall form part of the agreement.

6. After submission of bid, the contractor can resubmit revised bid any number of times, but before last time and date of submission of bid as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more items any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

8. (i)) Earnest money of Rs. 60,000/- in the form of fixed deposit receipt of a scheduled bank/demand draft of a scheduled bank issued in favour of 'Accounts Officer, CPRI, Bangalore' shall be scanned and uploaded to the e-tendering website within the period of bid submission and original should be deposited in the office of Engineer-in-Charge, Mechanical Engineering Division.

(ii) Interested contractor who wishes to participate in the bid has to make following payment in the form of Demand Draft or Banker's cheque of any scheduled bank and to be scanned and uploaded to the e-tendering website within the period of bid submission.

E-Tender processing fee: Rs.3,540/- inclusive of GST drawn in favour of 'KSEDCL' payable at Bengaluru.

The payment towards e- tender processing fee can also be made online through tender wizard.

(iii) Demand Draft or Banker's cheque against EMD, cost of bid document and cost of bid processing fee shall be placed in single sealed envelope superscripted as "Earnest Money, cost of bid document and cost of bid processing fee" with name of the work and due date of

opening of the bid also mentioned thereon.

(iv) Certificates of work experience and other documents as specified in the press notice shall be attested, scanned and uploaded to the e-tendering website within the period of bid submission and certified copy of each shall be deposited in a separate envelope as “Other documents”.

(v) Both the envelopes shall be placed in another envelope with due mention of name of work, date and time of opening of bids and to be submitted in the office of Engineer-in-Charge Mechanical Engineering Division after last date and time of submission of bid and up to 3.00 PM

Of **07.08.2025**. The documents submitted shall be opened at 4.00 PM of **07.08.2025**.

(vi) Online bid documents submitted by intending bidders shall be opened only of those bidders, whose EMD and e-Tender Processing Fee and other documents placed in the envelope are found in order. The bid submitted shall be opened at 3.30 PM of **14.08.2025**. e-Tender processing fee paid is non-refundable.

(vii) The bid submitted shall become invalid if:

- a) The bidder is found ineligible.
- b) The bidder does not upload all the documents as stipulated in the bid document.
- c) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of Engineer-in-Charge, Mechanical Engineering Division.
- d) If the bidder fails to deposit the original Bid Securing Declaration Form, cost of Bid document and Tender Processing Fee in case if payment mode other than ‘online payment’ on the prescribed date, such bidder shall stand disqualified.

9. The contractor, whose bid is accepted, will be required to furnish **performance guarantee of 3% (Three Percent)** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of Banker’s cheque of any scheduled bank/Demand Draft of any scheduled bank/Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. The Performance Guarantee shall be initially valid upto the stipulated date of completion plus sixty days beyond that. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’ including the extended period, if any, the contractor shall be disqualified from bidding for any contract with CPRI for a period of one year from the date of the subject tender notification.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare board and programme chart (time and progress with the period specified in schedule F.

10. The description of the work is as follows:- Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower-like Structures at Tower Testing Station of CPRI, Bengaluru

Name of work, The details of work to be executed are briefly described in the additional terms, conditions and specifications of the e-NIT.

11. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A Bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by CPRI and local conditions and other factors having a bearing on the execution of the work.

12. The competent authority on behalf of the Director General, Central Power Research Institute, Bengaluru does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received, without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the Bidder shall be summarily rejected.

13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

14. The competent authority on behalf of the Director General, Central Power Research Institute, Bangalore reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted. The rates quoted for each item of work under the tender, which is accepted, shall be firm and hold good for the entire period of contract or the extended period, i.e., the accepted rates shall not be liable to be changed under any circumstances.

15. The contractor shall not be permitted to bid for works in CPRI responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity as Engineering or Scientific Officer at the headquarters or at Units of CPRI which is responsible for award and execution of the contract. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Officer in CPRI. Any breach of this condition by the contractor would render him liable to be debarred from tendering in CPRI in future, forever.

16. No officer of the rank of Engineering Officer Gr.1 or above working in any capacity in CPRI shall be allowed to work as a contractor for a period of one year after his retirement from CPRI service, without the previous permission of competent authority in CPRI, in writing. This contract is liable to be cancelled, in case of contravention of this provision either by the contractor, or any of his employees.

17. The bid for the work shall remain open for acceptance for a period of sixty days (60 days) from the date of opening of technical bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the CPRI/ department, then the bidder shall not be allowed to participate in the re-bidding process of the work. Further, bidder shall be disqualified from bidding for any contract with CPRI for a period of one year from the date of the subject tender notification.

18. This notice inviting bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -

- a) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bids and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. GCC Form 8: CPWD GCC form-8 of 2023 incorporating amendments upto Circular bearing No. DG/CON/Maintanance-2023/11 dated 29.10.2024.

CENTRAL POWER RESEARCH INSTITUTE

Item Rate E-Tender & Contract for Works

(A) Name of work: Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Station of CPRI, Bengaluru.

(i) To be submitted online by 3.00 PM of **07.08.2025** to Joint Director, Mechanical Engineering Division, CPRI, Bengaluru.

(ii) To be opened online at 3.30 PM of **14.08.2025**

E-Tender

I/We have read and examined the notice inviting e-tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Director General, CPRI within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the e-Tender open for sixty (60) days from the due date of its opening and not to make any modification in its terms and conditions and the said rates.

I/We agree that the rates quoted by us shall be firm and hold good for the entire period of contract or the extended period and we understand that the accepted rates shall not be liable to be changed under any circumstances.

A sum of Rs. 60,000/- is hereby forwarded in fixed deposit receipt of scheduled bank/demand draft of a scheduled bank as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said Director General, CPRI or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director General, CPRI or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPRI in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the Director General, CPRI for a sum of Rs.(Rupees).

The letters referred to below shall form part of this contract agreement:-

(a)

(b)

(c)

For & on behalf of DG,CPRI

Signature.....

Dated:

Designation.....

PROFORMA OF SCHEDULE

PROFORMA OF SCHEDULES

(Separate Performa for Mechanical, Elect. & Hort. Works in case of Composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

Schedule 'A' :	Schedule of quantities (as per CPWD-3) on Page 26
Schedule 'B':	No material will be issued to the contractor. The existing facilities of the major equipment's like Tower Crane, rigging winches, cutting/drilling/welding/gas cutting machines/Chain hoist etc., shall be made available to the agency free of cost.
Schedule 'C':	All the tools and plants shall be provided by CPRI except for personal protection equipment's required for the deployed manpower of the agency.
Schedule 'D': Extra schedule for specific requirements/document for the work, if any.	Please refer pages 20 & 25 of this document.
Schedule 'E': Reference to General Conditions of contract:	CPWD GCC form-8 of 2023. incorporating amendments upto Circular bearing No. DG/CON/maintenance-2023/11 dated 29.10.2024.
Name of work:	Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Station of CPRI, Bengaluru.
Estimate cost of work:	Rs.30,00,000/- for two years
(i) Earnest Money	Rs. 60,000/-
(ii) Performance Guarantee :	3% of tendered value
(iii) Security Deposit:	2.5% of tendered value
Schedule 'F':	
GENERAL RULES & DIRECTIONS :	
(i) Officer inviting tender :	Engineer-in-Charge, Mechanical Engineering Division , CPRI, Bangalore
(ii) Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3:	See below
Definitions:	
2(v) Engineer-in-Charge:	Joint Director, Mechanical Engineering Division, CPRI, Bangalore
2(viii) Accepting Authority	Director General, Central Power Research Institute, Bangalore
2(x) Percentage on cost of materials and labour to	

cover all overheads and profits:			15%		
2(xi) Standard Schedule of Rates:					
2(xii) Department:			Central Power Research Institute		
9(ii) Standard CPWD Contract Form GCC 2020, CPWD Form 7/8 as modified & corrected upto			CPWD GCC form-8 of 2024 incorporating amendments upto Circular bearing No. a) DG/CON/Maintanance-2023/11 dated 29.10.2024.		
Clause 1:					
(i) Time allowed for submission of Performance Guarantee, programme chart (time and progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof from the date of issue of letter of acceptance:			Four days		
(ii) Maximum allowable extension with late fee @0.1% per day of performance guarantee amount beyond the period : provided in (i) above			Two days		
Clause 2A: Compensation for delay					
Whether Clause 2 / 2A shall be applicable			2A applicable		
Authority for fixing compensation under clause 2A:			Chairman, High Power Committee (HPC), CPRI, Bangalore		
Clause 5:					
Number of days from the date of issue of letter of acceptance for reckoning date of start Milestone (s)as per table given below:					
Sl. No	Description of Milestone(Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone		
1	NO milestones stipulated				
Authority to decide:					
(i) Extension of time :			Joint Director		
(ii)Rescheduling of milestones:			NA		
(iii)Shifting of date of start in case of delay in handing over of site			Chairman, High Power Committee (HPC)		
PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site					
Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of Intent		
Part A	Portion without any hindrance	Full site	Along with LOA		

Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		
Clause 5 Applicable clause 5 / Clause 5A		Clause 5 applicable	
Clause 7: Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment		Monthly bills or after completion of two test towers, whichever is later or as directed by Joint Director (MED).	
Clause 7 A Whether Clause 7 A shall be applicable		Yes	
Clause 10A: List of testing equipment to be provided by the contractor at Site Lab.		As required for the work -NA-	
Clause 10B(ii): Whether clause 10B(ii) shall be applicable:		No. No mobilization advance against the work shall be given	
Clause 10C: Component of labour expressed as percentage of value of work:		100%	
Clause 10CC:		Not applicable	
Clause 10 D : Dismantled Material Govt. Property		NA	
Clause 11: Specifications to be followed for execution of work:		As per CPRI Scope of Works	
Clause 12 Authority to decide deviation upto 1.5 times of tendered amount		Director General, CPRI	
Clause 12.2. & 12.3. Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work		50% of respective items (The deviation stipulated is applicable for individual items)	
12.5: (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (Except items mentioned in earth work sub head in DSR and related items) (ii) Deviation limit for items mentioned in earth work sub head of DSR and related items		Not Applicable	
Point no.13 of General Rules and directions of GCC 2020 Maintenance Works		The rate quoted by the agency / firm shall be exclusive of GST and the same shall be processed as per applicable rules.	
CLAUSE 16: Competent Authority for deciding reduced rates.		Chairman, High Power Committee, CPRI, Bangalore	
Clause 18: List of mandatory machinery, tools, and		NA	

plants to be deployed by the contractor at Site.	
Clause 19C : Authority to recover costs from the contractor for defaulting in providing safety provisions as per CPWD Safety Code	Joint Director, MED
Clause 19D : Authority for effecting deductions from the bills if the contractor does not furnish a true statement (fortnightly report) indicating the number of labourers, their working hours, wages paid to them, accidents that occurred during that period, the number of female workers who have been allowed maternity leave and the amount paid to them	Joint Director, MED
Clause 19G : Authority for effecting deductions from the bills if the contractor commits a default of provisions of the CPWD, Contractor's Labour Regulations and Model Rules	Joint Director, MED
Clause 19K : Authority to recover costs from the contractor for non-deployment of qualified tradesman	Joint Director, MED
Clause 19 H	CPRI shall not make availability of any site to the contractor for erection of hutments for his labour in CPRI campus.
Clause 25 Constitution of Dispute Redressal Committee (DRC)	No dispute redressal committee shall be constituted. All other provisions of the clause are as follows. Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions here –in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned herein after.

	<p>(i) If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Joint Director on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 days request the Chairman HPC in writing for written instruction or decision. Thereupon, the Chairman HPC shall give his written instructions or decision within a period of one month from the receipt of the contractor's letter. If the Chairman HPC fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decisions of the Chairman HPC, the contractor may, within 15 days of the receipt of Chairman HPC's decision, appeal to the Director General who shall afford an opportunity to the contractor to be heard, if the latter so desires, and to offer evidence in support of his appeal. The Director General shall give his decision within 30 days of receipt of contractor's appeal. If the contractor is dissatisfied with the decision of the Director General, the contractor may within 30 days from the receipt of the Director General's decision, give notice to the Director General for appointment of Arbitrator on prescribed proforma as per Appendix XV, failing which the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator.</p> <p>It is a term of contract that each party invoking arbitration must exhaust the aforesaid mechanism of settlement of claims/ disputes prior to invoking arbitration.</p> <p>(ii) Except where the decision has become final, binding and conclusive in terms of sub- para (i) above, disputes or difference shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Director General CPRI, in charge of the work. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment</p>
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	<p>or vacates his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.</p> <p>It is a term of this contract that the party invoking arbitration shall give his list of disputes with amounts, claim in respect of each such disputes along with the notice for appointment of arbitrator and giving reference to the rejection by the Director General of the appeal.</p> <p>It is also a term of this contract that no person, other than a person appointed by such Director General CPRI, as aforesaid, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.</p>
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CLAUSE 32

Requirement of Technical Representative(s) and recovery Rate

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the Contractor in the Event of not fulfilling provision of clause 36(i)	
						Figures	Words
1.	Diploma Engineer	Mechanical	Technical representative	One Year	One	Rs.10,000/- Per month	Rupees Ten Thousand Only per month
2	ITI	Electrical/ Mechanical/ Electronics	Tower Crane Operator	One Year	One	Rs.10,000/- Per month	Rupees Ten Thousand Only per month

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers

ADDITIONAL TERMS, CONDITIONS AND SPECIFICATIONS

Name of Work: Out Sourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower-like Structures at Tower Testing Station of CPRI, Bengaluru.

1. These Additional Terms, Conditions and specifications shall be read in conjunction with CPWD GCC form-8 of 2023 edition with upto date amendments.
 - i. The Contractor shall comply with all the provisions of labour laws applicable to India from time to time including the minimum wages Act 1948 (latest version), Contract labour (regulation and abolition) Act, 1970 (latest version) and rules framed there under and also other labour laws affecting Contractor labour that may be brought into force. With reference to above, the contractor shall furnish the details of supporting documents mandatorily once in three months to CPRI.
 - ii. The details like name of the worker(s), parents name, permanent / present address etc., of laborers deployed for work by contractor with photograph (latest) for issue of Identity Card, shall be furnished to the security officer of CPRI under the intimation to the division. The workers sent by contractors must undergo police verification. Verification must be ensured before workers are allowed access to the premises, to ensure safety and compliance with regulations. And, even if workers change also, they should still undergo verification. It is the contractor's responsibility before allowing them into the CPRI premises.
 - iii. The contractor shall appoint one supervisor who is conversant with structural drawings to check the ground assembly of test tower, fabrication of tower parts in case of tower failures / modifications and to supervise the workers at the test bed by monitoring all the safety requirements during working hours.
 - iv. CPRI will not provide any shelter for the workmen at CPRI. The contractor has to make his own arrangement for accommodation.
 - v.
 - a) Details of technical staff, Foreman, workmen employed and their experience in the line shall be furnished.
 - b) List of tools & tackles available for erection shall be furnished.
 - vi. The contractor shall carry out the work by deploying experienced manpower for a span of two years from the date of placing order. CPRI may extend the contract by another year based on mutual consent on same rates, terms and conditions.
 - vii. The payment for the erection contractor as per the approved rate will be done by the customer. However, the bill shall be forwarded through HOD / MED for the foreign national towers.
 - viii. Stub setting shall be certified by the customer or his authorized representative shall be available during erection period for on the spot decision.
 - ix. Idle time caused for want of materials, due to mistake in the fabrication of tower members, delay in certification of stub settings and delay in certification of erected

tower and or any other reasons attributed to the delay in erection of tower due to faulty development / fabrication shall be borne by the customer.

- x. Idle time charges cannot be considered due to stoppage of work on account of weekly off, closed holidays, general holidays of the Institute and due to disturbance in the city and unfavorable weather conditions etc.,
- xi. The equipment such as Tower Crane, winches, guy wire ropes, pulleys and any other such items shall be handled carefully. Damages caused due to rough handling shall be rectified / replaced at the contractor's cost.
- xii. The equipment of TTS should not be tampered or damaged in any way. For example, during erection, regular winches used for testing and test bed foundations bolts shall not be used for erection/dismantling purposes. The contractor will be penalized for such unauthorized acts to match the damages caused.
- xiii. Account of Hardware: The contractor shall acknowledge the receipt of hardware items such as shackles, pulleys, etc., for the deficiencies noticed, replacement cost shall be borne by the contractor as per the discretion of Engineer-in-Charge
- xiv. If test tower fails due to wrong material handling / faulty erection of tower observed during testing, the cost towards rectification shall be borne by the contractor.
- xv. The contractor shall supply and provide appropriate personnel protective equipment's (PPE). The PPE's shall be of ISI mark. The personnel protective equipment's (PPE) such as safety helmets, Safety belts (full body harness), safety shoes etc. & also ensure the workers to wear them during the work & even when they are at test bed. However, no workers will be allowed to work without adequate PPE. An amount of Rs.5,000/- shall be deducted from the running bills of the contractor in case of noncompliance to providing safety equipment to manpower at site and this amount is nonrefundable.
- xvi. The contractor shall at all times indemnify CPRI any claim which may be made under the Workmen's Compensation Act, 1983 and or against any claim which might be made under any act/law in force from time to time.

The contractor is responsible for any accidents/injuries to their workmen during handling of tower parts/materials/test equipment's/arrangements during the process of erection and dismantling of test tower. CPRI is no way responsible for any accidents/injuries to the erection gang/group. Any theft/pilferage of CPRI material/equipment(s) by their erection gang directly /indirectly, the contractor is held responsible.

The successful contractor shall give an undertaking for the provision of safety measures and insurance for his workmen and its renewal time to time as and when required and indemnifying CPRI any claim which may be under the workmen's

Compensation Act in force or against any claim which might be made under any other act/law in force from time to time.

- xvii. The contractor shall take utmost care to prevent damages to the Load cells during erection/dismantling processes. Any damage due to mishandling by the contractor shall be rectified / replaced at the contractor's cost.
- xviii. The normal working hour of CPRI is 9.00 a.m to 5.30 p.m (6 days a week). The assigned works are time bound activities and the test schedules are fixed. Hence completion of subject scope of work within the stipulated period is the responsibility of the contractor. The contractor shall ensure the sufficient workmen at available at site during normal working hours. In exigency situations, the contractor may be required to deploy additional manpower to complete the time bound activity. It is the responsibility of the contractor to ensure 8 working hours only for any labour during a day. Extra working shall be made good by additional manpower deployment which may be beyond normal working hours mentioned above.
- xix. **The deployed personal shall enter place of their work with proper identity/uniform with safety gadgets like helmets, belts (full body harness), shoes, badges issued by the contractor and movement of the personal employed by the contractor shall be restricted to the place of their work only**
- xx. The contractor shall be physically present during erection and dismantling of towers. In case of absence, he may depute an experienced supervisor for the same.
- xxi. Supplementary agreement to be made in case the agency executing for rigging and other works related to tower testing at tower testing station (TTS) abandons the contract. The agency awarded the present contract should execute the pending works. The rates at which the work shall be executed shall be mutually agreed by both the parties.
- xxii. For all intents and purposes, the contractor shall be the "Employer" within the meaning of various Labour Legislation's, for the manpower so deployed at CPRI. The Agency shall alone be responsible for the redressal of grievances/ resolving of disputes relating to personnel deployed. CPRI, shall in no way, be responsible for any damages, losses, FINANCIAL or other injury claims to any personnel deployed by the agency in the course of their performing the functions/duties, or for payment towards any compensation.
- xxiii. The manpower deployed by the selected contractor shall not have any claims of Master and Servant relationship vis-à-vis CPRI nor have any principal and agent relationship with or against the CPRI. Deployed manpower shall not be treated or considered as employees of the Institute under any circumstances.

- xxiv. If there is any delay in completion of assigned work, a penalty of 5% of the corresponding test tower bill will be deducted.
- xxv. The prospective bidders may visit the workplace for better understanding of the scope of work before making offer.

The scope of the work consists of

A. SCOPE OF WORK:

1. Unloading the Steel tower parts from the truck and storing them in the place earmarked in the stockyard / unloading them directly on the test bed depending upon the requirements of testing.
2. Comparing the materials with Bill of Materials / Structural Drawings supplied by the Customers.
3.
 - a) Erection of Stub Template,
 - b) Alignment of Stub setting template and handing over to CPRI for stub welding, which includes assistance required for stub leveling. The contractor shall complete the stub setting in one day only i.e., 24 hours from the time the stub setting template is erected by him, and the cost of any delay on the part of the Customer, beyond this point of time will be borne by the customer if stub setting template is not in order.
4. Shifting of material from stock yard located approximately 70 to 100m from test bed and erection of test tower under the supervision of the Engineer In-charge of the Customer / CPRI Engineers. The weight of towers referred for testing ranges from 2 to 100 M.T and the Height may vary from 25 to 75m.
5. Attaching the steel wire ropes of diameter varying from 12 to 40mm of standard length of approximately 140m along with load cells and loading arrangement / accessories such as D-Shackles, Spacers etc., at each Pull of Point of test tower.
6. Fixing graduated Scales (M.S Channel / Angle) or radium stickers and stay wires to the erected tower at the places instructed by the CPRI Engineers. The number may vary from 8 to 16.
7. To carry out fabrication / replacement / modifications for tower or failed members of test towers.
8. Removal of fibre core wire ropes and all the test arrangements from the test tower after completion of test and storing the same in the place earmarked for them.

9. The completely dismantled tested tower parts shall be kept / stacked in the place earmarked. Any shortage or missing of the tower parts, loss shall be borne by the contractor.
10. Loading the tested tower materials to the Truck of the customer for Dispatch.
11. The wire ropes of required diameter and lengths with accessories, tools & equipments for erection & dismantling of test towers & wire ropes for erection winches are to be arranged by contractor at his own cost.
12. Shall engage one standby tower crane operator on regular basis on his own cost.

B. INFRASTRUCTURE OFFERED:

The following facilities are available at Tower Testing Station, CPRI, Bengaluru for Erection and Dismantling of Transmission towers, Poles & tower like structures.

1. Tower Crane: The tower crane facility (78m height, 60m jib with working load of 4t capacity at 60m jib length & 16t capacity at 20m jib length) used for erection & dismantling of assembled tower / part of tower assembly. Experienced personnel/supervisor in tower assembly/erection shall handle the tower assembly for erection & dismantling of test towers, Poles & tower like structures.
2. All the assistance needed to operate the tower crane shall be provided while lifting/erection/dismantling of test tower. The contractor shall provide all the required assistance by way of providing man power (free of cost) for periodical / preventive Maintenance of tower crane whenever it is scheduled. In the absence of crane operator, the contractor shall engage the suitable experienced personal to operate the tower crane in order to adhere to the tower test schedule given by the test engineer/ Joint director (MED).

The rates shall be quoted keeping in view the infrastructure offered by CPRI for erection & dismantling. The contractor has to consider this aspect suitably while quoting the rates using tower crane.

3. Electrical Winches: Two nos. of electrical winches with dual speed of 7m/minute & 14m/minute available at test bed to facilitate lifting of additional members, wire ropes etc., during erection, rigging & dismantling works.
4. Stub Setting Template: If provided by the customer will the contractor has to set up tower base or with only independent stubs are supplied for stub setting.
5. All the Tools & plants like hoisting wire ropes, coir ropes etc., required for erection works are to be supplied by the contractor only. Copy of gate entry / acknowledgement shall be submitted to test engineer / Joint director (MED). In no case, there will be any supply of materials, tools and plants from CPRI except as mentioned in the section II above. CPRI will not provide any facility on

shelter/accommodation/food etc., for the workmen deployed at CPRI. The Contractor has to make his own arrangement.

C. CONTINUITY OF WORK:

- a) Engaging the contractor by a customer for erection is left to the choice of the customer. In this connection it is mentioned, the customer's choice depends upon the efficient services rendered by the contractor.
- b) Engaging the contractor continuously depends upon the demand for testing towers at TTS / CPRI.

D. CHARGES FOR ADDITIONAL WORKS:

The contractor shall take up additional works for carrying out any extra jobs pertaining to the division other than listed in the scope of work at the rates quoted / approved at the time of placing order. The contractor has to finish the work entrusted to him at the fixed schedule and no other allowances is admissible.

SCHEDULE-A

Name of Work: Outsourcing of Erection and Dismantling of Transmission line Towers, Poles & Tower like Structures at Tower Testing Station of CPRI, Bengaluru.

SI No.	Nature of Work	Qty.	Units	Unit Rate (Rs.)	Total Amount (Rs.)
1	For Unloading – Item No. II (1) under Scope of Work	270	Per M.T		
2	For Loading – Item No.II (10) under Scope of Work	270	Per M.T		
3	ERECTION: (Item II (2) to II (6) under Scope of Work)				
a)	Height of tower upto 35 m	30	Per M.T		
b)	Height of tower upto 45 m	30	Per M.T		
c)	Height of tower upto 55 m	30	Per M.T		
d)	Height of tower upto 65 m	60	Per M.T		
e)	Height of tower upto 75 m	60	Per M.T		
f)	Height of tower Above 75 m	60	Per M.T		
4	DISMANTLING:				
a)	Height of tower upto 35 m	30	Per M.T		
b)	Height of tower upto 45 m	30	Per M.T		
c)	Height of tower upto 55 m	30	Per M.T		
d)	Height of tower upto 65 m	60	Per M.T		
e)	Height of tower upto 75 m	60	Per M.T		
f)	Height of tower Above 75 m	60	Per M.T		
5	IDLE TIME CHARGES / DAY (from the start of assembly until completion of testing and dismantling) due to customer-side delays caused by missing tower parts/members	20	Per Day		
6	Idle time Charges / during Testing/Re-Testing	20	Per Day		
7	Charges for extra Jobs / Additional works (miscellaneous works)	60	Per Man Per Day		