

RATE CONTRACT FOR: ERECTION AND DISMANTLING OF TRANSMISSION LINE TOWERS, POLES & TOWER LIKE STRUCTURES AT TOWER TESTING STATION OF CPRI, BENGALURU.

I ELIGIBILITY CRITERIA:

The Firm / agency shall have experience in all the works listed below with respect to transmission line towers, similar structures, line accessories etc., for atleast 10 projects / towers 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.

II 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 or radium stickers (M.S Channel / Angle) 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.

II SCOPE OF WORK (contd.):

III 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.

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)

2. **Erection Mast with Aerial Rope Way:** CPRI does not ensure the guaranteed availability of the tower crane facility for the work of erection and dismantling of the test towers / poles. However, in the case of break down of the machinery / tower crane / power source supply / maintenance & servicing / repair and servicing owing to malfunctioning / due to any reason. In the absence of Tower Crane, the contractor shall continue to execute the scope of work under the contract manually using the erection mast with Aerial rope way (to be rigged by the contractor) with pulleys and winches at different places up to height of about 32m & above that derrick shall be used.

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 separately i.e using tower crane and using erection mast with aerial rope way.

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. **CPRI will not provide any shelter for the workmen at CPRI. The contractor has to make his own arrangement for accommodation.**
6. 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.

IV INSURANCE TO WORKERS:

The Contractor shall insure all the workmen employed by him at all times and indemnify CPRI against any claim which may be made under the workmen's Compensation act 1983 latest version in respect of any compensation payable in consequence to any accident or injury.

II SCOPE OF WORK (contd.):

V 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.

VI 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.

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TERMS & CONDITIONS

1. The Contractor shall comply with all the provisions of 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 from time to time. With reference to above, the contractor shall furnish the details of supporting documents mandatorily once in three months to CPRI.
2. 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.
3. 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.
4. 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.
5. The rates shall be valid for two years i.e from the date of signing the contract after placing order. However, CPRI reserves the right to award the work for one more year beyond the contract period at the same rates, terms and conditions.
6. CPRI reserves the right to terminate the contract at any time without assigning any reasons thereof if noticed any inaccuracy / inexperience in the field of work with a notice period of two weeks.
7. The contractor shall deposit a Security deposit of Rs. 50,000 (Rupees Fifty Thousand Only) as a deposit towards the handling of costly equipment / instruments and any other reasons attributed to erection and dismantling of towers.
8. 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.
9. Stub setting shall be certified by the customer or his authorized representative shall be available during erection period for on the spot decision.
10. 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.
11. 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.,
12. Delay in execution of erection for reasons beyond the control of contractor shall not be attributed to him.

TERMS & CONDITIONS (Continued)

13. 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.
14. 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.
15. 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.
16. 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.
17. The contractor shall provide his workers all the necessary personnel protective equipments (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.
18. 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.
19. 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.
20. The contractor shall ensure sufficient number of workers minimum of 25 laborers in normal working hours & if required in shifts (preferably between 6AM to 6.30PM) with additional workers depending on the type and weight of the tower and committed testing schedule of CPRI for customers) for the erection/dismantling work. The names of the workers shall be duly entered in the register daily, maintained by CPRI before 9.00 a.m without fail. The contractor shall ensure that same labour force are not continued for the work beyond the normal eight hours of work continuously at site.
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.
21. The contractor shall be physically present during erection and dismantling of towers. In case of absence, he may depute a experienced supervisor for the same.

TERMS & CONDITIONS (Continued)

22. The contractor shall engage his workers continuously for six days without break. The “OFF” can be taken only on the seventh day in case it does not affect the testing schedule. The contractor has to keep in mind this aspect while quoting the rates.
23. The contractor shall undertake “Rigging and the other works pertaining to tower test” for each test tower at the rates mutually agreed upon by him and CPRI as and when requirement arises. Failure to execute the above works renders the work order placed for subject works liable for cancellation with one month’s notice without assigning any reasons thereof.
24. Any dispute arising out of this contract will have to be resolved by the customer and the contractor between themselves and CPRI will not be a party to the disputes.
25. **If there is any delay in completion of assigned work, a penalty of 5% of the corresponding test tower bill will be deducted.**
26. The prospective bidders may visit the workplace for better understanding of the scope of work before making offer.

Format of undertaking to be submitted on Non Judicial stamp paper

M/s.

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We would like to inform CPRI that erection and dismantling and other allied works of your Customer will be undertaken by our own staff for the towers which are to be tested by CPRI.

1. **SAFETY MEASURES**

We shall provide our workmen & supervisors all the required personnel protective equipments such as safety helmets, safety belts, safety shoes, gloves, goggles etc., and any other measures suggested by CPRI from time to time.

2. **INSURANCE OF WORKERS**

We will have appropriate insurance for all liabilities that may arise for payment of compensation to the labours engaged by us either as a result of injury or death in the process of bringing the material on site, erection of transmission tower, dismantling the tower and removal of the material from test bed & or stock yard.

We hereby agree and undertake to indemnify CPRI for any loss or damage action or proceeding cost of claim that may arise against CPRI in this behalf. In case of any damage or accident to our personnel or equipment, CPRI will not be held responsible.

Place:

Date:

Authorized Signatory