

# INDEX

<b>SL.NO.</b>	<b>DETAILS</b>	<b>PAGE NO.</b>
1.	INDEX	1
2.	INFORMATION AND INSTRUCTION FOR CONTRACTORS FOR e-TENDERING	2 - 6
3.	CPWD-6	7 - 12
4.	CPWD-8	13 - 20
5.	COMMERCIAL AND ADDITIONAL CONDITIONS	21 – 29
6.	TERMINATION OF CONTRACT ON DEATH	30
7.	SCHEDULE OF QUANTITY	31 - 34

**Executive Engineer (E)**  
**CCW: AIR: PATNA**

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-BIDING FORMING  
PART OF NIT AND TO BE POSTED ON WEBSITE**

The Executive Engineer (E), Civil Construction Wing, All India Radio, Doordarshan Complex, Chhajjubagh, Patna-800001 on behalf of President of India invites Short notice e-tender in two bid system [Stage-I: Pre-qualification of agencies as per eligibility criteria & Stage-II: Price bid] on line Item rate bids from approved and eligible contractors of appropriate list of C.P.W.D. /M.E.S. /B.S.N.L. /Railways /Bihar State P.W.D. and specialized agencies/firms working in the relevant field for the work “Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12<sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable)”.

NIT No.	Name of work & Location	Estimated Cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of Tender (ON LINE)	Time & Date of opening of Eligibility documents
1	2	3	4	5	6	7
20/EE(E)/PTN/NIT/ 2019 - 20	Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12 <sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable).	Rs. 640342/-	Rs. 12807/-	01 (One) Month	26.03.2020 up to 23.59 Hrs.	27.03.2020 at 12.30 Hrs.

1. Intending bidders

- (a) Should have satisfactorily completed similar works as mentioned below during the last seven years ending last day of the month previous to the one in which the tender is invited. The work should have been done in some Central Govt./Central Autonomous body/ State Govt. / State Govt. Undertaking.
- (i) Three similar work each of value not less than 40 % of the estimated cost put to tender  
Or
- (ii) Two similar work each of value not less than 60 % of the estimated cost put to tender  
Or
- (iii) One similar work of value not less than 80 % of the estimated cost put to tender

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 receipt of application for tender.

Similar work shall mean work of “**Sub Station work including Service connection LT cable.**”

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 he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form part of 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/AIR](http://www.tenderwizard.com/AIR) free of cost.
5. But the bid can only be submitted after uploading the mandatory scanned documents such as Certificate of work experience/Credential, Demand Draft or Pay order or Banker’s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favor of **Executive Engineer (E), Civil Construction Wing, All India Radio, Patna, Payable at Patna** and Processing Fee in favour of **ITI Limited**, Goods & Service Tax registration and other documents as specified.

**e-Tender Processing Fee** – Rs. **590/-** to be paid through E-Banking to ITI Limited.

\* (to be filled in by EE Patna)

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50 % of earnest money or Rs.20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for 6 months or more from the last date of receipt of bids should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CCW, AIR within the period of bid submission. The same should also be scanned and uploaded by the intending bidders. (The bank guarantee as EMD should only be issued from the place in which the office of receiving division office is situated). The EMD receiving Executive Engineer shall issue a receipt of deposition of EMD to the bidder in a prescribed format uploaded by tender inviting EE in the NIT.

This receipt of deposition of bank guarantee shall also be uploaded to the e-tendering website by the intending bidder up to the specified bid submission date and time.

Copy of Enlistment Order and Certificate of work experience and other documents as specified in the notice shall be scanned and uploaded to the e-tendering website within the period of bid submission.

However, certified copy of all the scanned and uploaded documents as specified in notice shall have to be submitted by the lowest bidder only within week physically in the office of tender opening authority.

Receipt of deposition of original Bank guarantee as EMD	
(Receipt No...../date.....)	
1.	Name of work: <b><u>“Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12<sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable)”</u></b>
2.	NIT No: <b><u>20/EE(E)/PTN/NIT/2019 - 20</u></b>
3.	Estimated cost: <b><u>Rs.640342/-</u></b>
4.	Amount of original Bank guarantee as Earnest Money Deposit: <b><u>Rs.12807/-</u></b>
5.	Last date of submission of bid: 26.03.2020 up to 23.59 Hrs.
1.	Name of Contractor:.....#
2.	Amount of original Bank guarantee:.....#
3.	Earnest Money Deposit:.....#
4.	Date of submission of EMD:.....#
Signature, Name and Designation of EMD Receiving officer [EE/AE(P)/AE/AAO] Alongwith Office stamp	
(# To be filled by EMD receiving EE)	

The following affidavit shall also be uploaded by the intending bidders on non judicial stamp paper of Rs. 100/- duly notarized:-

The certified copy of all the scanned and uploaded documents specified in the tender notice shall be deposited by me/us with the Executive Engineer calling the tender in case I/We become the lowest tenderer with a week of the opening of the Price/financial bid otherwise the department (CCW,AIR) may reject the Tender and take the action to Debar me/us from Tendering in CCW,AIR , for a period of three years and can write to the Competent Authority for cancellation of my/our enlistment (Original papers of the uploaded documents shall be shown for verification).

6. The “Eligibility documents” shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors fulfilling the eligibility criteria shall be communicated to them at a later date.

7. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
8. The intending bidder must have valid class-III digital signature to submit the bid.
9. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
10. Contractor can upload documents in the form of JPG format and PDF format.
11. 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).
12. SC/ST contractors enlisted under class V category are exempted from processing fee to ITI Limited.
13. Online bid documents shall be opened only of those bidders, whose Earnest Money Deposit, e- Bid Processing Fee and other documents are found in order.
14. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
15. The system of uploading the scanned documents for financial instrument such as Demand Draft or Pay Order or Banker’s Cheque or Deposit at call receipt or Fixed Deposit receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of respective Executive Engineer and processing fee in favour of ITI Limited is dispensed with immediate effect, since the available menu for financial instruments has been modified.
16. The intending bidder has to fill all the details of Demand Draft/Fixed Deposit Receipt/Pay Order/Bankers Cheque (banker’s name, amount, number and date) against bid processing fee.

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

1. Receipt of deposition of EMD from the Executive Engineer inviting bids or from division office of any Executive Engineer, CCW, AIR.
2. Valid electrical license (H.T.)
3. Certificates of Work Experience issued by an officer of not below the rank of Executive Engineer/ project manager or equivalent/Credential & Enlistment order of contractor for agencies approved in appropriate list of C.P.W.D. / M.E.S. / B.S.N.L. / Railways and Bihar State P.W.D. and specialized agencies/ firms working in the relevant field for similar work.
4. Certificate of Registration for Goods and Service Tax (GST) and acknowledgement of upto date return as per NIT stipulation. **(if the bidder has not obtained GST registration in the state in which the work is to be taken up, then in such a case the bidder shall upload following undertaking with the bid document “if work is awarded to me, I/we shall obtain GST registration certificate from the state where the work is to be carried out within one month from date of receipt of award letter or before payment of 1<sup>st</sup> R.A. bill.”)**
4. Any other Document as specified in the Notice.
5. Affidavit on non judicial stamp paper of Rs. 100/- duly notarized as:-  
The certified copy of all the scanned and uploaded documents specified in the tender notice shall be deposited by me/us with the Executive Engineer calling the tender in case I/We become the lowest tenderer with a week of the opening of the financial bid otherwise the department (CCW,AIR) may reject the Tender and take the action to Debar me/us from Tendering in CCW,AIR , for a period of three years and can write to the Competent Authority for cancellation of my/our enlistment (Original papers of the uploaded documents shall be shown for verification.

**17. NIT CONDITIONS:-**

- i. The GST has been implemented by the Government of India with effect from 1<sup>st</sup> July 2017. The rates quoted by the tenderer shall be firm and inclusive of all taxes including GST and nothing extra shall be payable.
- ii. Tenderer shall examine the various provisions of CGST Act, 2017, IGST Act, 2017/UGST Act 2017, SGST Act 2017 of the respective state and upto date amendments issued from time to time and other applicable taxes before bidding/tendering. The tenderer shall also confirm to the rules made under these Acts.
- iii. The tenderer shall ensure that benefit of input tax credit (ITC) likely to be availed by them is duly considered by them while quoting rates.
- iv. The contractor shall submit the invoice of the work executed as per Rule 46 of CGST rules. The taxes will be calculated as per Rule 35 of CGST Rules 2017.
- v. As contractor's rates are inclusive of all taxes, no reimbursement of any tax shall be made to the contractor. The clauses 37 of GCC of NIT/contract stands modified accordingly.
- vi. TDS on income tax, labour cess and other statutory deductions shall be made at source as per prevalent laws. TDS on GST as applicable will also be deducted as per relevant GST Act/rules/notification.

**Executive Engineer (Elect)**  
**C.C.W: A.I.R: Patna**

1. Item rate/~~percentage rate~~ tenders are invited on behalf of President of India from approved and eligible contractors of appropriate list of C.P.W.D./M.E.S. / B.S.N.L. /Railways /Bihar State P.W.D. and specialized agencies/firms including working in the relevant field for the work -

**Name of Work:** "Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12<sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable)."

The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 1.1 The work is estimated to cost **Rs.640342/-**. This estimate, however, is given merely as a rough guide.

**1.2.1 Conditions for CPWD / Non-CPWD contractors.**

Bidders will be eligible provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of magnitude specified below:

Should have satisfactorily completed similar works as mentioned below during the last seven years ending last day of the month preceding the month of opening of the tender. The work should have been done in some Central Govt./Central Autonomous body/ State Govt. / State Govt. Undertaking.

- (i) Three similar work each of value not less than 40 % of the estimated cost put to tender  
Or
- (ii) Two similar work each of value not less than 60 % of the estimated cost put to tender  
Or
- (iii) One similar work of value not less than 80 % of the estimated cost put to tender

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 receipt of application for tender.

Similar work shall mean work of "Sub Station work including Service connection LT cable."

### 1.2.2 Criteria of eligibility for CPWD as well as non-CPWD contractors.

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 previous day of last date of submission of tender. **This is applicable for 1.2.1 as well 1.2.2.**

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tenderer 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 **01 (One)** Month 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 tender documents.
4. The site for the work is available.
5. The tender 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 except Standard General Conditions of Contract Form can be seen from website [www.tenderwizard.com/AIR](http://www.tenderwizard.com/AIR) free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. When tenders are invited in two stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.
9. Earnest Money **Rs.12807/-** in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or fixed deposit receipt (drawn in favour of **Executive Engineer (E), Civil Construction Wing, All India Radio, Patna, Payable at Patna** shall be scanned and uploaded to the e-tendering website within the period of bid submission.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs.20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for 6 months or more from the last date of receipt of bids should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CCW, AIR within the period of bid submission. The same should also be scanned and uploaded by the intending bidders. (The bank guarantee as EMD should only be issued from the place in which the office of receiving division office is situated). The EMD receiving Executive Engineer shall issue a receipt of deposition of EMD to the bidder in a prescribed format uploaded by tender inviting EE in the NIT.

This receipt of deposition of bank guarantee shall also be uploaded to the e-tendering shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

Copy of Enlistment Order and Certificate of work experience and other documents as specified in the notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in notice shall have to be submitted by the lowest bidder only within week physically in the office of tender opening authority.

Receipt of deposition of original Bank guarantee as EMD	
(Receipt No...../date.....)	
1. Name of work: <b><u>“Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12<sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable)”</u></b>	
2. NIT No: <b><u>20/EE(E)/PTN/NIT/2019 - 20</u></b>	
3. Estimated cost: <b><u>Rs.640342/-</u></b>	
4. Amount of original Bank guarantee as Earnest Money Deposit: <b><u>Rs.12807/-</u></b>	
5. Last date of submission of bid: 26.03.2020 up to 23.59 Hrs.	
1. Name of Contractor:.....#	
2. Amount of original Bank guarantee:.....#	
3. Earnest Money Deposit:.....#	
4. Date of submission of EMD:.....#	
Signature, Name and Designation of EMD Receiving officer [EE/AE(P)/AE/AAO] Alongwith Office stamp	
(# To be filled by EMD receiving EE)	

Interested contractor who wish to participate in the bid has also to make following payments within the period of bid submission:

- (i) e-Tender Processing Fee Rs. **590/-** shall be payable to “M/s. ITI Limited” through gateway by credit / Debit card, internet banking or RTGS / NEFT facility.

The following affidavit shall also be uploaded by the intending bidders on non judicial stamp paper of Rs. 100/- duly notarized.

The certified copy of all the scanned and uploaded documents specified in the tender notice shall be deposited by me/us with the Executive Engineer calling the tender in case I/We become the lowest tenderer with a week of the opening of the financial bid otherwise the department (CCW,AIR) may reject the Tender and take the action to Debar me/us from Tendering in CCW,AIR , for a period of three years and can write to the Competent Authority for cancellation of my/our enlistment (Original papers of the uploaded documents shall be shown for verification.

- 10 The “Eligibility documents” shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors fulfilling the eligibility criteria shall be communicated to them at a later date.  
The eligibility document submitted shall be opened at **12.30 Hrs. on 27.03.2020**
- 11 The bid submitted shall become invalid if :
- (i) The bidder is found ineligible.
  - (ii) The bidder does not upload all the documents (including Goods and service tax registration) as stipulated in the bid document including the receipt of deposition of EMD from the Executive Engineer inviting bids or from division office of any Executive Engineer, CCW, AIR.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the lowest bidder** in the office of tender opening authority.
  - (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.
  - (v) The contractor, whose tender is accepted, will be required to furnish performance guarantee of 5 % (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker’s cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. 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 Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited alongwith bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid 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 including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work.

12. Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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 tender. A tenderer 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 tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer 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 the Government and local conditions and other factors having a bearing on the execution of the work.
13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to tender for works in the C.C.W, A.I.R, Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). 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 gazetted officer in the Civil Construction Wing, All India Radio or in the Ministry of Information & B'casting. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of ~~Ten/Fifteen~~**thirty**/~~forty five/sixty (10/15/30/45/60)~~ days from the date of opening of bids ~~in case of single bid system/ sixty (60) days for the date of opening of technical bid in case bids are invited on 2 or 3 bid/envelop system (strike out as the case may be)~~. 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 department, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
19. This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender 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 Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender 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. Form ~~7/8 or other Standard C.P.W.D. Form as mentioned~~
20. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in there tendering process of the work.
21. Tax applicable in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, "Deduction, if any, can be effected from bill as per GST Act 2017"

**Executive Engineer (E)**  
**C.C.W: A.I.R: Patna**

**PRASAR BHARATI  
CIVIL CONSTRUCTION WING : ALL INDIA RADIO**

STATE	:	BIHAR	CIRCLE	:	KOLKATA
BRANCH	:	E & M	DIVISION	:	PATNA
ZONE	:	EZ	SUB-DIVISION	:	PATNA

Item Rate Tender & Contract for Works

Tender for the work of:-

**Name of Work:** "Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12<sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable)."

- (i) To be submitted by 23.59 hours on 26.03.2020 to the Executive Engineer (E), Civil Construction Wing, All India Radio, Doordarshan Complex, Chhajjubagh, Patna-800001.
- (ii) To be opened in presence of tenderers who may be present at 12.30 hours on 27.03.2020 in the office of the Executive Engineer (E), Civil Construction Wing, All India Radio, Doordarshan Complex, Chhajjubagh, Patna-800001.

Issued to : .....  
(Contractor)

Signature of officer issuing the documents .....  
Designation

Executive Engineer (E)  
CCW, AIR, Patna

Date of Issue .....

T E N D E R

I/We have read and examined the notice inviting 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 President of India as per time schedule of mile stone(s) and within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings 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 respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **30 (Thirty)** days from the due date of its opening/~~ninety~~ days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system (Strike out as the case may be) and not to make any modifications in its terms and conditions.

A sum of **Rs.12807/-** is hereby forwarded in cash/receipt treasure Challan /deposit at call receipt of a scheduled bank/ fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/~~bank guarantee~~ issued by 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 President of India 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 President of India or his 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 therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and 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 tender form. Further, I/we agree that in case of forfeiture of earnest money or both 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 works (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 CCW, AIR 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

Postal Address

Witness:  
Occupation:

Address:

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. .... (Rupees ..)

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

- i) .....
- ii) .....
- iii) .....

Dated.....

For & on behalf of the President of India.  
Signature.....  
Designation .....

**SCHEDULES****SCHEDULE 'A'**

Schedule of quantities (Enclosed)(as per PWD-3) at page No. 31 to 34.

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
-----NIL-----				

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor.

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
-----NIL-----			

**SCHEDULE 'D'**

Extra schedule for specific requirements/documents for the work, if any. NIL

**SCHEDULE 'E'**

Reference to General Conditions of contract.

**Name of Work:** "Construction of building (including Civil and Electrical) for setting up of 10 KW FM transmitter at Narkatiganj (Bihar)(Indo Nepal Boarder) under 12<sup>th</sup> plan. (Sub-head: Sub Station work including Service connection LT cable)."

Estimated cost of work: **Rs.640342/-**

Earnest money: **Rs.12807/-**

Performance Guarantee: 5 % of Tendered Value.

Security Deposit: 2.5 % of Tendered Value.

or

2.5 % of tendered value plus 50 % of PG for contracts involving maintenance of the building and services/other work after construction of same building and services/other work.

## SCHEDULE 'F'

## General Rules &amp; Directions:

Officer inviting tender	Executive Engineer(E), C.C.W : A.I.R : Patna
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 under Clause 12
Definitions:	
2(v) Engineer-in-Charge	Executive Engineer(E), C.C.W : A.I.R : Patna
2(viii) Accepting Authority	Executive Engineer(E), C.C.W : A.I.R : Patna
2(x) Percentage on cost of materials and labour to cover all overheads and profits	15 %
2(xi) Standard schedule of Rates	Market Rates, DSR 2018
2(xii) Department	Prasar Bharati, C.C.W, A.I.R.
9(ii) Standard CPWD contract form	CPWD 8 Form modified corrected upto date.
Clause 1	
i) Time allowed for Submission of performance guarantee from the date of issue of letter of acceptance	03 Days.
ii) Maximum allowable extension with Late fee @ 1 % per day of performance Guarantee amount beyond the period as provided in (i) above.	02 Days.
Clause 2	
Authority for fixing compensation under clause 2.	Superintending Engineer (E), C.C.W : A.I.R : Kolkata
Clause 2A	
Whether clause 2A shall be applicable	No
Clause 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start	.....Same Day.....

Mile stone (s) as per table given below:-

TABLE OF MILE STONE(S)

S.LNO.	DESCRIPTION OF MILESTONE (PHYSICAL)	TIME ALLOWED IN DAYS (FROM THE DATE OF START)	AMOUNT TO BE WITH-HELD IN CASE OF NON-ACHIEVEMENT OF MILESTONE.
----- NA -----			

Time allowed for execution of work : **01 (One)** Month.

Authority to Decide:

Extension of time

Executive Engineer (E),  
C.C.W : A.I.R : Patna

Rescheduling of mile stones

NA

Clause 6, 6A

Clause applicable – (6 or 6A)

Clause 6

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.

Clause 10A

List of testing equipment to be Provided by the contractor at site lab

1. H.T Megger

2. Continuity tester

3. Digital Multimeter

4. Earth tester

Clause10B

N.A.

Clause 10C

Component of labour expressed as percent of value of work

6 %

Clause	Whether clause 10CA shall be Applicable.	No
10CA	Materials covered under this clause	Base price of all material covered under Clause 10 CA
	Nearest material for which All India Wholesale Price Index is to be followed	
-----Nil-----	-----Nil-----	-----Nil-----
Clause 10CC	Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column :	- N.A. -
Clause 11		The work shall be executed as per CPWD General Specifications for Electrical Works Part – I, II & IV (SUB - STATIONS) 2013 as amended upto date, relevant I.E. Rules, BIS/IEC and as per direction of Engineer-in-charge.
Clause 12 12.2 & 12.3	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for electrical work.	30 % on individual items
12.5	Deviation limit beyond which clauses 12.2 and 12.3 shall apply for foundation work.	100%
Clause 16	Competent Authority for deciding reduced rates.	Superintending Engineer (E), C.C.W : A.I.R : Kolkata
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As required for timely execution of work

**Clause 36 (i)** Requirement of Technical Representative (S) and Recovery Rate.

SL. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience (years)	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.	Graduate Engineer or Diploma Engineer	Electrical/ Mechanical	Project manager cum planning/quality/site/billing Engineer	2 or 5 years respectively	1	Rs. 15000/- per month per person	Rupees Fifteen thousand only

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

Executive Engineer (Elect),  
C.C.W: A.I.R: Patna

## COMMERCIAL AND ADDITIONAL CONDITIONS

### 1.0 GENERAL

- 1.1 This specification covers manufacture, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, testing, commissioning of 01 No. 11KV/433V, 100KVA ONAN type transformer level -II.
- 1.2 Location: SSB Campus, FM Transmitter, Narkatiaganj.
- 1.3 The work shall be executed as per CPWD General Specifications for Electrical Works Part-I, II & IV as amended up to date, relevant I.E. Rules, BIS/IEC and as per directions of Engineer-in-charge. These additional specifications/conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work.
- 1.4 The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.
- 1.5 No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

### 2.0 COMMERCIAL CONDITIONS

- 2.1 Type of Contract: The work be awarded by this tender shall be treated as indivisible works contract.
- 2.2 **Submission and Opening of Tenders:**
- 2.2.1 The tender is in two parts:  
Step-I: Pre-qualification of agencies &  
Step-II: Price bid
- 2.2.2 The tenderers are advised not to deviate from the technical specifications/items, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clause, escalation etc.
- 2.2.3 Scrutiny/ evaluation of the Eligibility documents of agencies shall be done by the department. In case it is found that Eligibility document (Pre-qualification application) of a tenderer is not in line with NIT /requirements, the department reserves the right to reject the application of such firm(s) without making any reference to the tenderer(s).
- 2.2.4 Necessary clarifications required by the department shall have to be furnished by the

tenderer within the time given by the department for the same. The tenderer will have to depute his representative to discuss with the officer(s) of the department as and when so desired. In case, in the opinion of the department a tenderer is taking undue long time in furnishing the desired clarifications his bid will be rejected without making any reference.

- 2.2.5 After approval on pre-qualification applications by competent authority, the department will intimate the tenderers whose Price bids are acceptable.
- 2.2.6 The price bids of only those tenderers shall be opened whose pre-qualification application has been accepted by competent authority. The time and date of opening of price bid shall be fixed after the pre-qualification application is accepted and intimated to them by post / fax / e-mail.
- 2.2.7 The department reserves the right to reject any or all the price bids and call for fresh price bids / tenders as the case may be without assigning any reason.
- 2.2.8 The price part of the tender shall be indicated only in the tender schedule of work.

### 3.0 TERMS OF PAYMENTS

The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein.

- 3.1 70 % after initial inspection and delivery at site in good condition on pro-rata basis.
- 3.2 20 % after completion of installation in all respects.
- 3.3 Balance 10 % will be paid after testing, commissioning & handing over to the department for beneficial use.
- 3.4 Income Tax, GST, TDS on GST, labour cess & other statutory deduction etc. shall be deducted at source as per prevalent laws. The deductions of security deposit, income-tax, Goods and Service tax etc. shall be done after calculation of the above due payments as per clauses 3.1 to 3.3 and net payment shall be reduced accordingly.

### 4.0 RATES

The work shall be treated as on works contract basis and the rate quoted by the tenderer shall be firm and inclusive of GST and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site i/c temporary constructional storage, risks, over-head charges general liabilities/ obligations and clearance from local authorities. However, the fee for these inspections shall be borne by the department.

- 4.1 Deduction, if any, can be effected from agency's payment as per GST Act 2017.
- 4.2 The contractor has to carry out maintenance as per manufacturer's standards for a period of 12 months from the date of handing over. Nothing extra shall be paid on this account.
- 4.3 Following modifications are made in CPWD GCC 2014 -- 7/8 to cater to Goods and Service Tax regime and shall be applicable with immediate effect. The modification in Clause 38 in respect of Building and other Construction Workers Welfare Cess shall apply only where the cess is to be deposited by the contractor and is to be reimbursed.

Sl. No.	Existing Provisions	Modified Provisions
1.	<b>CONDITIONS OF CONTRACT</b> No Provision	<b>CONDITIONS OF CONTRACT</b> 2(xvi) GST shall mean Goods and Service Tax – Central, State and Inter State.
2.	<b>CPWD – 6</b> <b>General Rules &amp; Directions</b> 15. Sales-tax/VAT ( except service tax), purchase tax, turnover tax or any other tax applicable in respect of this contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same. However, in respect of service tax same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.	<b>CPWD – 6</b> <b>General Rules &amp; Directions</b> 15. <b>GST</b> or any other tax applicable in respect of <b>inputs procured by the contractor</b> for this contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same. However, <b>Component of GST at time of supply of service ( as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.</b>
3	<b>CLAUSE 37</b> (i) Sales Tax/VAT (except Service Tax), Building and other Construction Workers Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.	<b>CLAUSE 37</b> (i) <b>GST</b> , Building and other Construction Workers <b>Welfare Cess</b> or any other <b>tax, levy</b> or Cess in respect of <b>input for or output by</b> this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect <b>except as provided under Clause 38</b>

4	<p><b>CLAUSE 38</b></p> <p>(i) All tendered rates shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies/cess, the amount so paid, provided such payments, if any, is not, in the opinion of the Superintending Engineer whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.</p>	<p><b>CLAUSE 38</b></p> <p>(ii) All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment i.e. increase or decrease shall be made for any variation in the rate of GST, Building and other Construction Workers Welfare cess or any tax, levy or cess applicable on inputs. However, effect of variation in rates of GST or Building and other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or Cess applicable on output of the works contract shall be adjusted on side, increase or decrease. Provided for building and other Construction Workers Welfare Cess or any tax (other than GST), levy of cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/cess. Provided further that such adjustment including GST shall not be made in the extended period of contract for which the contractor alone is responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.</p>
---	---	---

## 5.0 COMPLETENESS OF TENDER

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

## 6.0 STORAGE AND CUSTODY OF MATERIALS

The transformer rooms & HT panel rooms, if available, may be used for storage of sundry materials and erection equipment or else the agency has to make his own arrangements. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

**7.0 CARE OF THE BUILDING**

Care shall be taken by the contractor while handling and installing the various equipment and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

**8.0 GUARANTEE**

8.1 All equipment shall be guaranteed for a period of 12 months except battery, from the date of taking over the installation by the department, against unsatisfactory performance and /or break down due to defective design, workmanship or material. The equipment or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor. The guarantee of battery with extended warranty period shall be not less than 36 months.

8.2 The tenderer shall guarantee among other things, the following:

Quality, strength and performance of the materials used as per manufacturers' standards.

- (a) Safe mechanical and electrical stress on all parts under all specified conditions of operation.
- (b) Satisfactory operation during the maintenance period.

**9.0 POWER SUPPLY**

A temporary three phase power supply shall be provided during execution of work at single point inside the campus. Further arrangements for tapping power connection from this point shall be made by the contractor. Electricity shall be provided free of cost.

**10.0 ACCEPTABLE MAKES OF VARIOUS EQUIPMENTS**

The acceptable makes of various equipment/ components/accessories have been indicated in “List of Recommended makes of materials” at page No. .... The tenderer shall work out the cost of the offer on this basis.

**10.1 Use of Quality materials**

Only quality materials of reputed make as specified in the tender shall be used in work.

**11.0 DATA MANUAL AND DRAWINGS TO BE FURNISHED BY THE TENDERER**

11.1 With Tender: The tenderer shall furnish alongwith the tender, detailed technical literature, pamphlets and performance data for appraisal and evaluation of the offer.

## 11.2 After Award of Work

The successful tenderer would be required to submit the following drawings within 15 days of award of work for approval before commencement of installation.

- (a) General arrangement drawing of the equipment like Transformer, HT panels, etc.
- (b) Details of foundations for the equipment and the weights of assembled equipment.
- (c) Any other drawings necessary for the job.

12.0 The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturers for all items of equipment regarding installation, adjustments operation and maintenance including preventive maintenance & trouble shooting together with all relevant data sheets, spare parts catalogue etc. all in triplicate.

## 13.0 **EXTENT OF WORK**

13.1 The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the department and in a working installation/running station. The term complete installation shall not only mean major items of the plant and equipment covered by the specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those been mentioned in details in the tender document in connection with this contract have as this is a turnkey job.

13.2 In addition to supply, installation, testing and commissioning of sub-station equipment, following works shall be deemed to be included within the scope of work to be executed by the tenderer as this is a turnkey job:

Minor building works necessary for installation of equipment, foundation, making of opening in walls or in floors and restoring them to their original condition / finish and necessary grouting etc. as required.

- (a) All supports for cables and MS channels for erection of panels etc. as are necessary.
- (b) Testing of PTs/ CTs for metering & protection purpose & relay calibration & setting.
- (c) Getting CEA inspection done & obtaining approval for energizing the installation. However, necessary fees for inspection shall be borne by the Department.

## 14.0 **EXCLUSION AND WORK TO BE DONE BY OTHER AGENCIES**

Major dismantling of any existing building work.

## 15.0 **INSPECTION AND TESTING**

15.1 All major equipment i.e. Transformer, HT panel etc. shall be offered for initial inspection at manufacturer's works. The contractor will intimate the date of testing of equipment at the manufacturer's works before dispatch. The successful tenderer shall give advance notice of minimum two weeks regarding the dates proposed for such tests to the department's representative to facilitate his presence during testing. The Engineer-in-charge may witness such testing. The cost of the Engineer's visit to the factory will be borne by the department. Equipment will be inspected at the manufacturer/Authorized dealer's premises before dispatch to the site by the contractor if so desired by the Engineer-in-charge.

15.2 Copies of all documents of routine and type test certificates of the equipment, carried

out at the manufacturers premises shall be furnished to the Engineer-in-charge and consignee.

15.3 After completion of the work in all respects the contractor shall offer the installation for testing and operation.

16.0 **VALIDITY**

Tenders shall be valid for acceptance for a period of **30 (Thirty)** days from the date of opening.

17.0 **COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS**

17.1 All works shall be carried out in accordance with relevant regulation both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

- (i) Factories Act.
- (ii) Indian Electricity Rules.
- (iii) B.I.S. & other standards as applicable.
- (iv) Workmen's Compensation Act.
- (v) Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.

17.2 After completion of the installation, the same shall be offered for inspection by the representatives of the Central Electricity Authority. The contractor will extend all help including test facilities to the representatives of CEA. The observations of CEA will be attended by the contractor. The installation will be commissioned only after getting clearance from CEA or as decided by Engineer in charge.

17.3 Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

17.4 Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tender liable for penalty of Rs. 2,000 /- for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

18.0 **INDEMNITY**

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

**19.0 ERECTION TOOLS**

No tools and tackles either for unloading or for shifting the equipment for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

**20.0 COOPERATION WITH DEPARTMENT**

The work shall be carried out with least disturbance during shifting & shut down taken in consultation with the Akashvani authority, Eden Gardens, Kolkata.

**21.0 MOBILIZATION ADVANCE**

No mobilization advance shall be paid for this work.

**22.0 INSURANCE AND STORAGE**

All consignments are to be duly insured up to the destination from warehouse at the cost of the contractor. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

**23.0 VERIFICATION OF CORRECTNESS OF EQUIPMENT AT DESTINATION**

The contractor shall have to produce all the relevant records to certify that the genuine equipment from the manufacturers has been supplied and erected.

**24.0 PAINTING**

This shall include cost of painting of the entire installation. The major equipments like HT panel etc. shall be factory final finish painted. The agency shall be required to do only touching to the damages caused to the painting during transportation, handling & installation at site, if there is no major damage to the painting.

**25.0 TRAINING**

The scope of works includes the on job technical training of two persons of department at site. Nothing extra shall be payable on this account.

**26.0 MAINTENANCE**

26.1 Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of one year from the handing over of the installation.

26.2 The maintenance, routine as well as preventive, for one year from the date of taking over the installation as per manufacturer's recommendation shall be carried out on quarterly basis.

**27.0 INTERPRETING SPECIFICATIONS**

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

- (a) Schedule of quantities.
- (b) Technical specifications.
- (c) Drawing (if any).
- (d) General specifications.
- (e) Relevant BIS or other international code in case BIS code is not available.

## TECHNICAL SPECIFICATIONS

The work shall be carried out as per CPWD General Specifications for Electrical Works (Part IV : Sub-Station), 2013 as amended upto date and CPWD General Specifications for Electrical Works Part I & II, as amended upto date, relevant IE rules, and as per directions of Engineer-in-charge.

**Note: Any deviations from CPWD General Specifications for Electrical Works (Part IV: Sub-Station), 2013 may be given by the NIT approving authority. In case there is no deviation, no deviations should be mentioned below this note.**

## CERTIFICATES

- I.** Certified that all departure from the specifications have been brought down in the forwarding letter to this tender.
- II.** Except for the departures brought down in the forwarding letter the tender complies with the tender specifications in all respect.
- III.** The rates quoted are net and inclusive of all duties, levies and taxes without any condition. We understand that any condition in the price bid shall make the tender liable for cancellation.

(CONTRACTOR'S SIGNATURE)

## **TERMINATION OF CONTRACT ON DEATH**

Without prejudice to any of the rights or remedies under this contract if the contractor dies the Divisional Officer on behalf of the President of India shall have the option of terminating the contract without compensation to the contractor.

Whenever any claim, against the contractor from the payment of sum money arises out or under the contractor, Government shall be entitled to recover such by appropriating. In part or whole, the security deposit of the contractor and he shall any Government promise notes etc. forming the whole or part of such security. In the event of the security being insufficient or if no sum recoverable as the case may be shall be deducted from any sum then due which at any time where after may become due from the contractor under this or any other contract with Government should this sum be not sufficient to cover the full amount recoverable the contractor shall be to Government on demand the balance remaining due.

Government shall have the right to cause any audit and technical examination of the works and the bill of the contractor including all supporting vouchers, abstracts etc. to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by him under contract and found not to have been executed the contractor shall be liable to refund the amount cover the same from him the manner prescribed in sub-clause(1)of this clause or in any manner legally permissible and if as result of audit and technical examination it is found that the contractor was paid less than that was due to him under if the amount of such under payment shall be fully paid by the Government to the contractor.

Provided the Government shall not entitled to recover any such overpaid, nor the contractor shall be entitled to payment of any such paid short where as payment has been agreed upon between the Superintending Engineer or Executive Engineer on the one hand and the contractor on the other hand any term of the contract permitting payment of work after assessment by the Superintending Engineer or the Executive Engineer.

Executive Engineer (E)  
CCW AIR Patna

# SCHEDULE OF QUANTITY

**Name of Work: Construction of building (including civil and electrical) for setting up of 10KW FM Transmitter at Narkatiaganj (Bihar) (Indo Nepal Boarder) under 12th plan. (Sub Head: Sub Station work i/c service connection LT cable).**

NAME OF THE FIRM							
S.No.	Description of Item	Qty.	Unit	Rate in figures	Rate in words	Amount	
1	SITC of 100 KVA, 11/0.433 KV, 3 phase, 50Hz, Dyn 11, outdoor ONAN type copper wound distribution Transformers (As per IS: 1180 BIS Level-II,) with OFF load tap changing arrangement on HV side in steps of +/-2.5 %, +/-5 % & +/-7.5 % having HT bushes on HV side suitable for terminating ACSR conductor and cable end box in LT side complete with all accessories i/c first filling of filtered dehydrated oil, complete etc as required. (As per M/s RTS Power Corporation Ltd / Airen Power, make).	1	Job			0.00	
2	Supplying of 2 Nos. 13 Mtrs. long M. S. Rail Poles and Erecting the same rail pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size ) foundation including excavation and refilling and secured with holding clamps, bolts, nuts, etc. complete as required.	1	Job			0.00	
3	Supplying & erection of 11 KV heavy duty 200 A rated 3 pin Gong Operated Air Break switch (double break) Rotating type complete set i/c operating G.I. pipe, G.I. bolts, nuts, washers, handle of required length, guide shaft etc. on the existing Rail Pole DP structure complete as required. (Make- PSI / PMCO/ Jayshree)	1	Set			0.00	
4	Supplying and erection of three piece nonlinear resistor type lightning arrester suitable for 3 wire, 11 KV overhead lines with rated voltage 9 KV (rms) with a nominal discharge current rating of	1	Set			0.00	

	5 KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required. (Make LAMCO / Raychem).					
5	Supplying and erection of 11KV H.G. Fuse Set complete as required. (Make- ABI / PSI / PMCO)	1	Set			0.00
6	Supplying of two nos. suitable lengths of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) as base channel for mounting of Transformer / AB Switch / H.G. Fuse set / PT / Lightning Arrestor on the double pole structure for 11KV three wire overhead line conductors and erection the same complete with through bolts and nuts for clamping to the poles, 50 mm X 6 mm M.S. brackets for tightening the channel iron with the rail pole including drilling holes for insulator pins/ fittings, bolts, nuts and washers etc (as per drawing) complete as required.	5	Set			0.00
7	Supplying and erection of galvanised stay set for 11 KV overhead lines complete with 19/ 20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm thick, thimble, stay clamps, turn buckle ( 20 mm X 600 mm ), 7/ 4.00 mm dia G.I. stay wire and 11 KV strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size ) foundation including excavation and refilling etc. as required.	2	Set			0.00
8	Supplying and erection of 11 KV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required. (Make- ABI / PSI / PMCO)	3	Set			0.00
9	Supplying and erection of 11 KV disc insulator for 11 KV overhead lines with galvanised insulator fittings, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washers etc. as required. (Make- ABI / PSI / PMCO)	6	Set			0.00
10	Supplying and Erection of Rabbit conductor of suitable diameter including binding etc. as required. (APAR)	42.8	Kg			0.00
11	Painting of Rail Poles DP structure including all MS channels, brackets, GI pipes, bolts, nuts & washers, Sub Station Fencing etc. with one coat of anti-corrosive primer and two coats of finish paint	1	Job			0.00

	i.e. company mixed paint as required.					
12	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set			0.00
13	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set			0.00
14	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2	Each			0.00
15	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	20	Mtrs.			0.00
16	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	20	Mtrs.			0.00
17	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	10	Mtrs.			0.00
18	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	10	Mtrs.			0.00
19	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	10	Mtrs.			0.00
20	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	10	Mtrs.			0.00
21	Supplying of 3½ x 185 Sq. mm XLPE insulated & PVC sheathed Aluminium conductor armoured UG power cable of 1.1 KV grade confirming to IS 7098 (Part-I)/1988 and laying the same in the					

	following manners complete as required. (Polycab / Havells / Finolex)				
	(a) Direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.	40	Mtrs.		0.00
	(b) In the existing RCC/Hume/Metal pipe as required.	3	Mtrs.		0.00
	(c) In the existing masonry open duct as required.	12	Mtrs.		0.00
22	Supplying & making end termination with brass compression gland and aluminium lugs for following sizes of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1KV grade as required.				
	(a) 3½ x 185 Sq.mm	2	Each		0.00
23	Supplying and fixing of light class G.I. pipe of 80 mm dia. (nominal) 3 metres length along the pole for protection of underground cable as required. (Jindal / Tata)	1	Each		0.00
<b>TOTAL AMOUNT</b>					<b>0.00</b>
			<b>EXECUTIVE ENGINEER(E), C.C.W. : A.I.R. : PATNA</b>		