



Bharat Sanchar Nigam Limited
(A Government of India Enterprise)

O/o EXECUTIVE ENGINEER (CIVIL),BSNL CIVIL DIVISION, 4th floor,O/O PGM Building, Zero Miles ,
NAGPUR - 440 001

Tender Document

Percentage Rate tender

For the work of:

**Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store
Admin Compound Bhandara.**

NIT No: 120/EEC/BSNL/NGP/2024-25

Certified that this document contains 54 printed pages including the cover page.

Executive Engineer (Civil)
BSNL Civil, Division, Nagpur

IMPORTANT INSTRUCTIONS TO TENDERERS WHO HAVE DOWNLOADED THE TENDER
DOCUMENT FROM WEB

The tenderers, who have down loaded the tenders from the web, should read the following important instructions carefully before actually quoting the rates & submitting the tender documents: -

1. The tenderer should see carefully & ensure that the complete tender document including schedule of quantity as per the index given on page ' 2 ' has been down loaded & there are 46 pages in the tender document.
2. The printout of tender document should be taken on A4 size paper only & the printer settings etc are such that document is printed as appearing in the web & there is no change in formatting, number of pages etc.
3. The tenderer should ensure that no page in the down loaded tender document is missing.
4. The tenderer should ensure that all pages in the down loaded tender document are legible & clear & are printed on a good quality paper.
5. The tenderer should ensure that every page of the down-loaded tender document is signed by tenderer with stamp (seal).
6. On page ' 4 ' of the down loaded tender document, the name of the tenderer should be filled in by the tenderer.
7. The tenderer should ensure that the down loaded tender document is properly bound and sealed before submitting the same.
8. The loose / spiral bound and/or not properly sealed tenders shall be rejected out-rightly.
9. In case of any correction/addition/alteration/omission in the downloaded tender document, it shall be treated as non-responsive tender and shall be rejected.
10. The tenderer shall furnish a declaration to this effect that no addition/ deletion/corrections have been made in the tender document submitted and it is identical to the tender document appearing on Web site.
11. The tenderer should read carefully & sign the declaration given on the next page before submitting the tender.
12. The cost of tender should be submitted separately along with the EMD as detailed in NIT.
13. In case of any doubt in the down loaded tender, the same should be got clarified from the Executive Engineer, BSNL Civil Division, Nagpur before submitting the tender.

Signature of Contractor

D E C L A R A T I O N (TO BE GIVEN BY THE TENDERERS WHO HAVE DOWNLOADED THE
TENDER DOCUMENT FROM THE WEB

It is to certify that:

- 1) I / We have submitted the tenders in the proforma as downloaded directly from the website & there is no change in formatting, number of pages etc.
- 2) I / We have submitted tender documents which are same / identical as available in the website.
- 3) I / We have not made any modification / corrections / additions etc in the tender documents downloaded from web by me / us.
- 4) I / We have checked that no page is missing and all pages as per the index are available & that all pages of tender document submitted by us are clear & legible.
- 5) I / We have signed (with stamp) all the pages of the tender document before submitting the same.
- 6) I / We have sealed the tender documents properly before submitting the same.
- 7) I / We have submitted the cost of tender along with the EMD each separately.
- 8) I have read carefully & understood the important instructions to the all tenderers & to tenderers who have down loaded the tenders from the web.
- 9) In case at any stage later, it is found there is difference in our downloaded tender documents from the original, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to me / us.
- 10) In case at any stage later, it is found there is difference in our downloaded tender documents from the original, the tender / work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage whenever it is so noticed. The department will not pay any damages to me / us on this account.
- 11) In case at any stage later, it is found there is difference in our downloaded tender documents from the original, I / We may also be debarred for further participation in the tender in the concerned BSNL Civil Zone & would also render me / us liable to be removed from the approved list of contractors of the Department.

Dated

(CONTRACTOR)

(SIGNATURE WITH SEAL)

Email:

Mobile:

Percentage Rate Tender and Contract

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INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR TENDER : NIT

The Executive Engineer, BSNL Civil Division, 4th floor PGM, Building , Nagpur 440001 on behalf of Bharat Sanchar Nigam Limited (A Govt. of India Enterprise), invites percentage rate tenders from approved and eligible contractors of BSNL and non – BSNL contractors registered with other public works organizations like CPWD, MH PWD (B&R), DOP, MES & Railways for following work:

Sl. No	NIT No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Tender cost Rs.	Period of Completion	Last Date & Time of Application for issue of bid document	Last Date & Time of issue of bid document	Last Date & Time of submission of bid	Time & date of opening of bid
1	2	3	4	5		6			7	9
1	120/EEC/BSNL/ NGP/2024-25	Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store Admin Compound Bhandara..	Rs. 1,11,080/- (One Lakh Eleven Thousand Eighty) only.	₹ 2230/- (Rupees Two Thousand Two Hundred Thirty)	Rs. 590/- (DD or Bankers cheque)	01(One) Month	27/03/2025 up to 16.00 hrs	28/03/2025 up to 16.00 hrs	29/03/2025 up to 15.00 hrs	29/03/2025 at 15.30 hrs

SUBMISSION OF TENDER

The bid document/ forms and other details can be down loaded / obtained from the website <https://www.maharashtra.bsnl.co.in>.

- 1 The intending bidder must read terms and conditions of BSNL W6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
 - 2 Information and instructions for bidders posted on website shall form part of bid document.
 - 3 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.maharashtra.bsnl.co.in or be seen in the office of the Executive Engineer (Civil), BSNL Civil Division, Zero Mile, Nagpur.
 - 4 The Contractor can quote his rates in schedule of quantities of various types of items to be executed which down loaded from web site www.maharashtra.bsnl.co.in and can be submitted along with required documents in the office of the Executive Engineer (Civil) , BSNL Civil Division, Zero Mile, Nagpur.
 5. The tenderer should read carefully & understand the tender document,
- 6.00 tender document is downloaded from the BSNL website:
- 6.1.1 "Earnest money plus cost of tender and eligibility credentials" shall be placed in Wax/adhesive tape sealed Envelope-1 marked "Earnest money plus cost of tender and eligibility credentials".
 - 6.1.2 The tender shall be placed in Wax/adhesive tape sealed envelope-2 and will be superscripted as "Tender".
 - 6.1.3 The separate Wax/adhesive tape sealed envelopes no. 1&2 as above containing "Earnest money plus cost of tender and Eligibility Credentials", and the "Tender" shall be placed in another Wax/adhesive tape sealed envelope-3.
 - 6.1.4 All the three envelopes shall be superscripted with following data on it. A. Name of work B. Name of tenderer C. Last date of receipt of tender.
- 6.2 In case tender document is purchased from BSNL Civil Division, Nagpur office:
- 6.2.1 Proof for paying the cost of tender documents, proof of payment of EMD and copies of documents showing eligibility credentials to be placed in Wax/adhesive tape sealed envelope no.1
 - 6.2.2 Envelope no.2 will be as per Para 6.1.2
 - 6.2.3 The Wax/adhesive tape sealed envelopes 1 & 2 shall be placed in another Wax/adhesive tape sealed envelope no 3.
 - 6.2.4 Same as 6.1.4 Note: In case the eligibility credentials are not found in order at any stage i.e before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in BSNL for three years including any other action under the contract or existing law.
- 6.3 The tender in which rates/percentage are to be quoted should be properly bound and sealed. Loose bound submission (in case the tender is down loaded from website) shall be rejected outrightly. In case of any correction/addition/alteration/omission in tender document vis-à-vis tender document available on website shall be treated as nonresponsive and shall be summarily rejected.
- 6.3.1 The tenders submitted in the following manner shall be considered as not properly bound and sealed. a) Loose/ Spiral bound tender. b) Stapled tenders without wax seal or without PVC tape. c) Tender schedule tied with thread/tag without wax seal or without PVC tape.

7.0 List of Documents to be submitted along with tender:-

- 7.1. Demand Draft / Pay order or Fixed Deposit Receipt of any Scheduled Bank against EMD.
- 7.2 Demand Draft / Pay order of any Scheduled Bank towards cost of Bid Document.
- 7.3 Enlistment Order of the Contractor.
- 7.4 Certificates of Work Experience, if applicable.
- 7.5 Near relative certificate as stipulated under clause 16 of BSNLW-6 Notice Inviting Tender.
- 7.6 Undertaking as stipulated under clause of 20 of BSNL W-6 Notice Inviting Tender.
- 7.7 Valid GST Registration certificate from GST authority.
- 7.8 Valid EPF Registration certificate EPFO authority.
- 7.9 Valid ESIC Registration certificate.

Bharat Sanchar Nigam Limited
(A Government of India Enterprise)

O/o EXECUTIVE ENGINEER (CIVIL),BSNL CIVIL DIVISION, O/O PGM, Building Zero mile, NAGPUR- 440 001

NOTICE INVITING TENDER

NIT No.: 120 /EEC/BSNL/NGP/2024-25

Dated: 15/03/2025

1. Executive Engineer, BSNL Civil Division, Zero Miles, compound, Nagpur invited Percentage rate tenders on behalf of Bharat Sanchar Nigam Limited (A Govt. of India Enterprise) for the following work from approved and eligible contractors of BSNL and non – BSNL registered contractors registered with other public works organizations like CPWD, MH PWD (B&R), DOP, MES & Railways for the work of:

Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store Admin compound Bhandara.

- 1.1** The work is estimated to cost Rs. 1,11,080/- (One Lakh Eleven Thousand Eighty) only.
- 1.2** Tenders will be opened in respect of eligible contractors provided they submit the documents listed.
- 1.2.1** Criteria of eligibility for issue of tender documents for non-BSNL registered contractors of public works organizations like CPWD, MHPWD, DOP, MES& Railways only.
- 1.2.1.1 For works up to Rs. 7 lakhs – NIL
- 1.2.1.2 For works above Rs. 7 lakhs and upto Rs.2.5 Cr. and all specialized works irrespective of its cost:
The applicant should have completed works as per details below during the last seven years ending last day of the month previous to the one in which the tenders are invited.
- a) Three similar completed works costing not less than 40 % of estimated amount **OR**
b) Two similar completed works costing not less than 50 % of estimated amount **OR**
c) One similar completed works costing not less than 80% of estimated amount. |

Similar works means:-Building Construction Works/Building repairs works/ Tower Foundation work/ Compound Wall works/Addition Alteration of building/RCC Cable duct works/ Cable duct Works, Repairs/Special repairs and maintenance of building / cable duct works executed in Central Government / MH State Government or in Public Sector Unit of Central / MH State Govt.

work done certificate:- A certificate to this effect shall be produced by the tenderer from an officer of the rank not below than rank of Executive Engineer in the Government of DGM/SE in PSU or Chief Project Manager or equivalent in other organizations.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. BSNL W7 and General Conditions of Contract with up to date correction slips which are available as a BSNL Publication/BSNL website www.mahar1ashtra.bsnl.co.in and in the office of Executive Engineer (Civil) BSNL Civil Division , Zero Miles, compound, Nagpur. Bidders shall quote his percentage rate 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 bid documents.
4. The site for the work is available/make available in parts.
5. 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 including General Conditions Of Contract Form can be seen from website www.maharashtra.bsnl.co.in or be seen in the office of the Executive Engineer (Civil), BSNL Civil Division, O/O PGM, Building Zero mile, NAGPUR- 440 001.
6. Tender Cost Rs 590/-in the form of Demand Draft or Pay Order or Banker's Cheque drawn in favour of 'Accounts Officer (Cash), BSNL, PGMTD, Nagpur' shall be original be deposited in office of Executive Engineer (Civil).
7. Earnest Money ₹ 2230/- (**Rupees Two Thousand Two Hundred Thirty**) Note: Money due to contractor in any other work or earnest money of the previous call of the same work shall not be adjusted towards earnest money.

8. Submission of eligibility Documents: -

The documents listed below shall be submitted by the bidder in order to establish his eligibility:

- a. Cost of Bid Document in the form of Demand Draft in original.
- b. Cost of EMD Document in the form of Demand Draft/Fixed Deposit Receipt/Bankers Cheque in original
- c. Self attested copy of the Enlistment Order.
- d. Self attested copies of Work Experience Certificates, if applicable.
- e. Declaration regarding near relatives working in BSNL, in original.
- f. Undertaking as stipulated under clause 20 of BSNL W-6 Notice Inviting Tender, in original.
- g. Valid GST/EPF/ESIC Registration certificate

All the documents shall be further placed in a sealed envelope. The name of work, NIT no., date of submission, date of opening and the name of the vendor shall be clearly mentioned on the envelope. The sealed envelope shall be submitted in the office of Executive Engineer after last date & time of submission of bid & upto 15:00 hrs on 29/03/2025

The documents submitted by the bidders shall be opened at 15.30 hrs on the same day.

9. The bid submitted shall become invalid and cost of bid shall not be refunded if:

- 9.1 The bidder is found ineligible.
- 9.2 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 tender opening authority.

In case the eligibility credentials are not found in order at any stage i.e. before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in BSNL for three years including any other action under the contract or existing law.

10. The description of the work is as follows: -

Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store Admin Compound Bhandara..

11. In case of works having estimated cost below Rs.15,00,000/-, the successful tenderer shall be required to execute an agreement with the Engineer-in-charge in the Proforma annexed to the tender document, within 15 days of the issue of letter of award by the BSNL. In the event of failure on the part of the successful tenderer to sign the agreement, the earnest money will be forfeited and tender cancelled. In case of works of estimated to cost Rs.15,00,000/- and above, the successful tenderer shall, upon issue of letter of acceptance of Tender, shall be required to furnish performance guarantee at rate of 5% of the tendered value in the form of irrevocable Bank Guarantee of requisite amount to the Engineer-in-charge in the Proforma annexed to the tender document, within 15 days of the issue of letter of acceptance of Tender by the BSNL. In the event of failure on the part of the successful tenderer to furnish the Bank Guarantee within 15 days, the earnest money will be forfeited and tender cancelled.

12. Copies of other drawings and documents pertaining to the work will be open for inspection by the tenderers at the office of the Executive Engineer (Civil) BSNL Civil Division Nagpur.

12.1 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 charges 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 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 BSNL and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the BSNL 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 assigning 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.

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

15. The competent authority on behalf of BSNL 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.

16. The company or firm or any other person shall not be permitted to tender for works in BSNL Civil Zone in which his near relative(s) (directly recruited or on deputation in BSNL (Civil/Electrical) is/are posted in any capacity either non-executive or executive employee. Near relative (s) for this purpose is/are defined as:

16.1 Member of Hindu Undivided family (HUF).

16.2 They are Husband and Wife.

16.3 The one is related to other in the manner as father, mother, son(s) & Son's wife (daughter-in-law), Daughter(s), Daughter's husband (son-in-law), brother(s), brother's wife, sister(s), sister's husband (brother-in-law).

The contractor 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 relative to any executive employee/gazetted officer in the BSNL or Department of Telecom or in the Ministry of Communications.

All the intending tenderers will have to give a certificate/Declaration that none of his/her such near relative (s) as defined above is/are working in the concerned BSNL Civil Zone, where he is going to apply for tender/work. The format of the certificate is as under:

"I.....s/o Shri..... Resident of-----
----- hereby certify that none of my relative(s) as defined above is/are employed in concerned BSNL Civil Zone. In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to me."

The certificate in case of Proprietorship Firm shall be given by the proprietor, for Partnership Firm certificate shall be given by all partners and in case of Limited Company, by all Directors of the company. However, Government of India/ Financial Institutions nominees and independent non-official part-time Directors appointed by Govt. of India or the Governor of the State are excluded from the purview of submission of this certificate while submitting tenders by Limited Companies.

Any breach of these conditions by the Company or Firm or any other person, the tender/ work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage, whenever it is so noticed. BSNL will not pay any damages to the company or Firm or the concerned person but damages arising on account of such cancellation to be borne by the contractor. The Company or Firm or the person will also be debarred for further participation in the tender in the concerned BSNL Civil Zone. Further, any breach of this condition by the tenderer would also render him liable to be removed from the approved list of contractors of BSNL. If however the contractor is registered in any other Department he shall also be debarred from tendering in BSNL for any breach of this condition.

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/ State Government or PSU's is allowed to work as a contractor for a period of two years after his retirement from Government service, without previous permission of the Government of India or BSNL 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 /State Government or PSU's 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 (30) Thirty days from the date of opening of 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 department, then the B.S.N.L. shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.
19. This Notice Inviting Tender (BSNL W-6) shall form a part of the contract document. In accordance with clause 1 of the contract, the letter of acceptance shall be issued first in favor of the successful tenderer/ contractor. After submission of the performance guarantee, the letter of award shall be issued. The contract shall be deemed to have come into effect on issue of letter of acceptance of the tender. On issue of letter of award, the successful Tenderer/Contractor shall, within 30 days from such date, formally sign the agreement consisting of :-
- The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender, and, as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto
 - Standard BSNL W8 as on Website www.maharashtra.bsnl.co.in and in Office of the Executive Engineer (Civil) BSNL Civil Division Nagpur.
 - Agreement signed on non-judicial stamp paper as per proforma annexed to the tender document.
20. If the contractor do not submit the physical bid document / Technical Bid consecutively three times after submission of online bids, action shall be taken to withdraw his/ their enlistment / debar him / them from tendering in BSNL for the period of six months.
- All the intending tenderers will have to submit an undertaking in the format given as under:
- I,..... S/o ShriResident ofhereby submit the undertaking that " if I / we do not submit the physical bid documents/ Technical Bid consecutively three times after submission of online bids, it shall be treated as breach of condition and action shall be taken to withdraw my/ our enlistment / debar me/us from tendering in BSNL for six months".
21. Payment to the contractors shall be made through e-payment system. The contractor will be required to submit the details of his PAN number, Bank Account Number and other details as required by BSNL in order to make e-payment to the contractor.
22. First running account bill shall be paid only after
- Signing of the Agreement / Contract by both the parties, and

- b. Progress chart has been prepared as required under Clause 5 and approved by the Competent authority.
- c. Submission, by the contractor, of Labour License and Registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable

23. General conditions of works in BHARAT SANCHAR NIGAM LTD are available on website www.maharashtra.bsnl.co.in and <https://etenders.gov.in> as well as in the Divisional/ Sub divisional Office.

24. Condition for GST&EPF:-

- ❖ The contractor shall invariably furnish GST registration certificate at the time of entering into agreement.
- ❖ The contractor shall furnished copy of EPF registration and must comply all terms and conditions of EPFO, Govt. of India as laid down thereof.
- ❖ The liability of payment of wedges to deployed labour shall be born by the contractor for the work.
- ❖ In case agency fails to submit GST registration certificate for the work under the agreement, he may be allowed to enter in to the agreement on production of Indemnity bond certificate in favour of BSNL against any GST liability. Failure to comply the condition stated above, full EMD will be forfeited in favour of BSNL & no claim what so ever shall be entertained on this account.
- ❖ The contractor shall issue an invoice/ challan along with every RA bill/final bill as per GST Rules.
- ❖ The invoice raised by contractor shall be serially numbered and shall contain the following, namely :
 - (i) The name, address and the registration number of contractors;
 - (ii). The name and address of the person receiving taxable service.
 - (iii). Description, classification and value of taxable service provided or to be provided; and the GST payable thereon.

25 Goods and Service Tax (GST)

The rates quoted by the agency shall be exclusive of GST applicable to the works contracts. The GST on the work contract as applicable will be paid separately by BSNL to the Contractor. GST shall be payable to only those contractors, who submit the details of GST registration to BSNL. Any further amendment notified by GOI in GST Rules during the currency of agreement shall also be applicable without any separate notice.

The contractor shall submit an invoice along with every RA bill / final bill. The invoice raised by contractor shall be serially numbered and shall contain the name, address and the GST registration number of contractor.

However the rates quoted by the contractor shall be exclusive of Goods & Services Tax (GST) as applicable on the various materials required & purchased for completion of the work, packaging, loading unloading, and transportation etc. Any input Tax Credit on the material purchased for the work, if available to the contractor as per the rules applicable shall be passed on BSNL by the contractor...

26. For redressal of any complaints, following officers may be contacted:

1.CGMT,MH Circle

The Chief General Manager,Telecom MH.Circle,Admn.Bldg.A-wing,2nd floor,JuhuDanda road Santacruz (W) MUMBAI-400054. Land Line Tel No.022- 26616999 Fax No.022-26616777

2..DGM(Vig),MH Circle

The Dy.GeneralManager(Vig)O/O C.G.M.T.,MH.Circle, Admn.Bldg.A-wing, 6th floor,JuhuDanda road Santacruz (W) MUMBAI-400054. Land Line Tel No.022-26616715 Fax No.022- 26615774

27. If any terms and conditions under General Rules and Directions is in contravention to terms and conditions as above, the terms and conditions as above shall prevail.

(A.R. Kamble)
Executive Engineer (Civil)
BSNL Civil Division Nagpur
For & on behalf of Bharat Sanchar Nigam Ltd

BHARAT SANCHAR NIGAM LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

STATE: Maharashtra State
ZONE: Maharashtra (Civil)

CIRCLE: Nagpur
DIVISION: Nagpur
SUB-DIVISION: Bhandara

Percentage Rate Bid & Contract for Work :-

1.	Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store Admin Compound Bhandara..
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- (i) Bid along with the copy of Bid Documents to be submitted in the office of the Executive Engineer (Civil) BSNL Civil Division, 4th floor O/o PGM, Building , Nagpur by 15.00 hrs on **29/03/2025**
- (ii) Certified copies of Bid Documents to be submitted in wax / adhesive tape sealed envelope in the office of the Executive Engineer, BSNL Civil Division, Nagpur opened by 15.30 hrs on **29/03/2025**

Executive Engineer (Civil),
BSNL Civil Division, Nagpur

TENDER

I/We have read and examined Notice Inviting Tender, Schedules A, B, C, D, E & F, Specifications applicable, Drawings & Design, General Rules and Directions, Conditions of Contract, Special conditions, Schedule of Rate & other document & 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 work specified for the Bharat Sanchar Nigam Limited 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 (Civil) and in Clause 11 of the Conditions of the contract and with such materials as are provided for, by and in respect in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **30 (Thirty) days** from the due date of opening thereof and not to make any modifications in its terms and conditions. If I/we withdraw my/our tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or, makes any modifications in the terms and conditions of the tender which are not acceptable to the BSNL, then the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

A sum of **Rs. 2230/- (Rupees Two Thousand Two Hundred Thirty)** as EMD has been deposited in prescribed manner as earnest money. If I/We fail to commence the work specified I/We agree that the said Bharat Sanchar Nigam Limited shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by competent authority on behalf of the Bharat Sanchar Nigam Limited 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 carry out such deviations as may be ordered, upto 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 the tender form.

I/We agree that, in case of works of estimated cost exceeding Rs.15, 00,000/-, to deposit an amount equal to 5% of Tendered value of the work as performance guarantee in the form of bond of any Scheduled Bank of India in accordance with the proforma prescribed or in the form of Fixed Deposit Receipt etc., within 15 days of the issue of letter of acceptance of Tender by the BSNL. I/We am/are aware that in the event of failure on my/our part to furnish the Bank Guarantee within 15 days, the earnest money will be forfeited and tender cancelled. 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 rebidding 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 bidding in BSNL 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 intimate that for receiving payments I/we have an account in _____ Bank with account No. _____ where the ECS facility of e-payment is available.

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 authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

I / We agree that should I / we fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of invitation of tender shall be absolutely forfeited to the Bharat Sanchar Nigam Limited and the same may at the option of the competent authority on behalf of the Bharat Sanchar Nigam Limited be recovered without prejudice to any right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me / us under this contract or otherwise.

The information in respect of works in hand is as per proforma enclosed.

“I/we agree that this contract is subject to jurisdiction of Court at Nagpur only.” (Where the NIT/Tender has been issued)

Dated

Witness:

(_____)

Address:

Signature of Contractor

Occupation:

Postal Address:-

ACCEPTANCE

The above tender (as modified by you (Contractor) and as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Bharat Sanchar Nigam Limited for a sum of Rs. _____ (Rupees _____)

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

- a)
- b)

For & on behalf of the Bharat Sanchar Nigam Limited

Date:

Signature.....

Name and designation.....

Dated _____

DECLARATION

(To be submitted by the contractor regarding near relatives working in BSNL as per clause 16 of BSNL W-6)

“I S/o Shri Resident of-----
----- hereby certify that none of my near relative(s) as defined in clause 16 of BSNL W-6 is/are employed in concerned BSNL Civil/Electrical Maharashtra Zones.

In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to me.”

Signature of Contractor

UNDERTAKING

(To be submitted by the contractor as per clause 20 of BSNL W-6)

“I..... S/o Shri Resident of-----
----- hereby submit the undertaking that “ if I / we do not submit the physical bid documents/ Technical Bid consecutively three times after submission of online bids, it shall be treated as breach of condition and action shall be taken to withdraw my/ our enlistment / debar me/us from tendering in BSNL for six months”.

Signature of Contractor

PARTICULAR SPECIFICATIONS AND SPECIAL CONDITIONS FOR COMPLYING WITH THE GST LAW WHICH HAS COME INTO FORCE WITH EFFECT FROM 01/07/2017.

1. The percentage rate quoted by the agency shall be **exclusive of GST applicable to the works contracts**. The GST on the work contract as applicable will be paid separately by BSNL to the Contractor. GST shall be payable to only those contractors, who submit the details of GST registration to BSNL. Any further amendment notified by GOI in GST Rules during the currency of agreement shall also be applicable without any separate notice..

The contractor shall submit an invoice along with every RA bill / final bill. The invoice raised by contractor shall be serially numbered and shall contain the name, address and the GST registration number of Contractor.

However the percentage rate rate quoted by the contractor shall be inclusive of Goods & Services Tax (GST) as applicable on the various materials required and purchased for completion of the work. Any Input Tax Credit on the material purchased for the work, if available to the contractor as per the rules applicable shall be passed on BSNL by the contractor

2. With the implementation of GST the service tax stands subsumed in GST. There will not be any reimbursement of Service tax and the Clause 37 of GCC 2006 stands modified accordingly. Income tax TDS, TDS towards GST, workers welfare cess deductions & other statutory deductions etc shall be made at source as per the prevalent laws.

3. The Contractor shall comply with the Central Goods and service tax Act, 2017, Integrated Goods and service tax Act, 2017, the relevant SGST and UTGST Acts and the rules framed there under and as amended from time to time. The Contractor shall get himself registered and get the registration code from the relevant authorities as per the provisions of the Act.

4. The Contractor shall indemnify and keep indemnified BSNL against any loss of input tax credit, **hereinafter called ITC**, caused to BSNL in case where the Contractor gets black listed by the GST authorities during the tenure of the BSNL contract either due to his own default or for any other reason whatsoever. BSNL would not be able to avail ITC in case the Contractor is GST black listed i.e has poor compliance rating.

5. The Contractor should furnish the correct **HSN/ SAC code** in his tax invoice. If the credit for duties, taxes and cesses under provisions/ rules under GST law is found to be not admissible at any stage owing to wrong furnishing of tariff head, then the Contractor will be liable to refund such non-admissible amount, if already paid, along with penalty and interest, if charged, by the concerned authority.

6. In case duties, taxes and cesses which are not eligible for ITC as per the quoted rates indicated in the price schedule and subsequently at any stage it is found that credit for such duties, taxes and cesses is admissible as per provisions of GST law, then the Contractor will be liable to refund the amount equivalent to such duties, taxes and cesses, if already paid to them, provided the credit can be claimed within the time prescribed under the applicable legislation and BSNL has all the documents to claim such credit. The refund is also subject to the Contractor performing necessary act for enabling BSNL to claim the credit viz. uploading the information on GSTN. However, BSNL may allow the Contractor to submit necessary documents in this regard which may enable the BSNL to avail the ITC provided such credit is still available for the amount so paid as per provisions of the GST law.

7. BSNL reserves the right to ask the bidders to submit documentary proof confirming the correct HSN or SAC classification etc from the CGST/ SGST/ IGST authority where the HSN or SAC Classification furnished against the particular contract by different bidders differ from each other or the same is found apparently not furnished in accordance to the GST act and/or rules framed thereunder.

8. If the Contractor fails to furnish necessary supporting documents i.e tax invoices etc. in respect of the duties, taxes and cesses which are eligible for ITC, the amount pertaining to such duties, taxes and cesses will be deducted from the payment due to the Contractor.

9. If the Contractor fails to perform necessary compliances which would in any manner restrict BSNL to claim ITC, then the amount pertaining to such duties, taxes and cesses will be deducted from any payment due to the Contractor.

10. If the Contractor does not disclose the correct details on the invoice or on the GSTN viz. GSTIN, place of supply etc. which would in any manner restrict BSNL to claim ITC, then the amount pertaining to such duties, taxes and cesses will be deducted from any payment due to the Contractor.

11. For claiming the payment the following documents are to be submitted by the Contractors to the Engineer-in-charge:

- (i) GST compliant tax invoice.
- (ii) Acknowledged delivery challan, if applicable.
- (iii) E-way bill as prescribed in the GST law in case of movement of goods.
- (iv) Proof of payment of GST, if applicable.
- (v) Timely uploading of correct and necessary information on GSTN portal is mandatory as prescribed in GST compliances.

Notes :

(1) In case the Contractor fails to furnish necessary supporting documents i.e GST tax invoice etc. and also fails to upload the information on GSTN in respect of duties/ taxes for which ITC is available, the amount pertaining to such duties/ taxes will be deducted from the payment due to the Contractor.

(2) Tax amount will be paid to the Contractor only after the Contractor declares the details of the invoice in his return in GSTR-1 and GSTR-3 uploaded by the Contractor and the same is reflected in GSTR-2A of BSNL on GSTN portal.

(3) TDS/ TCS shall be deducted at the prescribed rate, if any, as the case may be.

(4) BSNL can adjust/ forfeit bank guarantee or can adjust from any other payment due to the Contractor any loss of ITC caused to BSNL on account of Contractors default.

(5) In case BSNL has to pay GST on reverse charge basis, the Contractor would not charge GST on its invoices. Further, the Contractor undertakes to comply with all the provisions of GST, as applicable.

12. Necessary declaration, statutory forms, if any, shall be provided by BSNL to avail concessional rate of tax wherever applicable, on the request of the Contractor as and when asked for.

13. Any sum of money due and payable to the Contractor (including deposit refundable to him) under this contract may be appropriated by the BSNL and setoff the same against any claim of the BSNL or under any other contract made by the Contractor with the BSNL. In case of set off of security deposit against any claim of the BSNL or under any other contract made by the Contractor with the BSNL, the GST on such set off would be borne by the Contractor. GST would not be liable on security deposit. But, if the Contractor setoff the security deposit against any claim of BSNL for payment of a sum of money arising out of this contract or under any other contract made by the Contractor with the BSNL, then the GST would be levied.

14. In case of supply the Contractor shall furnish the name of his collaborator (if applicable), brand name, model number, type of products and HSN classification under GST.

15. GST Invoice:

- (i) All the details of Contractor (name, address GSTIN/ unregistered Contractor, place of supply, HASN/ SAC code etc.) and other mandatory details shall be mentioned on the invoice.
- (ii) Invoice/ Supplementary invoice/ Debit note/ Credit note/ Bill of supply/ Receipt voucher need to be issued in the GST compliant format and within the time prescribed under the GST law.
- (iii) In case of any deficient/ incomplete/ rejected supply, BSNL shall convey the same in a reasonable time period to enable the Contractor to issue credit note and take tax adjustment.
- (iv) It would be the responsibility of the Contractor to declare correct information on the invoice and GSTN viz. the amount, the place of supply, the rate of tax etc. In case, the eligibility of ITC is questioned or denied to BSNL on account of default by the Contractor, the same would be recovered by BSNL from the Contractor.

- (v) Registered location of both the parties' i.e BSNL and Contractor should be mentioned in the agreement with the GSTIN No. Further, Contractor should raise invoices at the registered premises of BSNL for availing of credit and to ensure that the place of supply as per GST law is the same as the registered premise.
- (vi) BSNL could at any time instruct the Contractor to raise its invoices at a particular location of BSNL.
- (vii) It is the responsibility of the Contractor to ensure that the place of supply and GSTN of BSNL are in the same state. If for any reason they are not in the same state, the Contractor shall intimate to BSNL and give adequate time before raising of the invoice.
- (viii) E-way bill number, if applicable, should be mentioned on the invoices.

S.no.	Particulars for "Input invoice"
1.	Name and registered address of the Contractor
2.	GST registration no. of the Contractor
3.	Name of BSNL entity
4.	"Bill to" and "ship to" address of BSNL
5.	GST registration no. of the BSNL
6.	Date of invoice
7.	Invoice number
8.	Place of supply including state
9.	Type of tax i.e CGST SGST, UTGST, IGST
10.	Rate of tax
11.	Value of goods/service and type/ rate/ amount of tax should be separately mentioned
12.	Quantity of goods
13.	Total value of invoice
14.	Description of supply of goods/ service
15.	HSN code in case of goods and SAC code in case of service
16.	In case invoice has more than one tax rates, rate of tax and amount of tax for each supply should be mentioned separately.

S.no.	Particulars for "Receipt voucher"
1.	Name and registered address of the Contractor
2.	GST registration no. of the Contractor
3.	Name of BSNL entity
4.	"Bill to" and "ship to" address of BSNL
5.	GST registration no. of the BSNL
6.	Date of document issued
7.	Document number
8.	Place of supply including state
9.	Amount of advance taken
10.	Type of tax i.e CGST SGST, UTGST, IGST
11.	Rate of tax
12.	Quantity of goods
16.	In case invoice has more than one tax rates, rate of tax and amount of tax for each supply should be mentioned separately.
17.	Invoice issued at a later stage against receipt voucher to mention this document number. Refund voucher to be issued against the advance received if no supply is made and no invoice is raised.

16. Contractor shall be responsible for timely issuance and delivery of Invoice/ Debit note/ Credit note to enable BSNL to claim tax benefit on or before the stipulated time period provided by the GST law.

(a) It is the responsibility of the Contractor to ensure that the outward supply return (GSTR-1) would be filed correctly. If not cost would be borne by the Contractor.

(b) Reporting of correct outward supply by the Contractor in the outward return (GSTR-1) is the responsibility of the Contractor. In case of mismatch because of the Contractor's fault, prompt amendments must be made by the Contractor else Contractor would be required to indemnify BSNL of the loss of credit due to mismatch. The compliances to be adhered to by the Contractor includes (but is not limited to) the following:

(i) Uploading appropriate invoice details on GSTN within the stipulated time.

(ii) Issuing GST compliant invoice/ Credit note/ Debit note. PO issued by the BSNL should be referred by the Contractor for capturing information on the invoice.

(iii) Contractor is required to pay the entire self-assessed tax on time.

(iv) Where invoice is not uploaded or incorrectly uploaded on GSTN by the Contractor, then credit on such invoice will be given provisionally subject to matching. So, acceptance of changes made by BSNL on GSTN on account of non-upload or incorrect upload of invoice details on GSTN is to be submitted by the Contractor. Such changes with respect to the mismatch are required to be accepted by the Contractor within the time limit prescribed under the GST law. It should be noted that in case Contractor does not accept such changes within the time limit prescribed under the GST law, the loss of ITC, if any, would be recovered from the Contractor. In case of mismatch due to the Contractor's fault, prompt amendments

must be made by the Contractor else Contractor would be required to indemnify BSNL of the loss of ITC due to mismatch.

- (v) Contractor to issue all necessary documentation and perform all necessary compliances for BSNL to be eligible to claim ITC of GST tax to them. In case BSNL is unable to claim the ITC the amount with respect to GST charged by the Contractor would be recovered from the Contractor.
- (vi) A self-declaration that the bidder is not black listed by the GST authorities shall be provided. In case Contractor gets black listed during the tenure of BSNL contract, then Contractor must indemnify BSNL to ensure that no loss of ITC is borne by BSNL due to default of the Contractor.

17. Where the location agreed are in more than one state, then separate invoice state wise, to claim ITC in a particular state, shall have to be submitted. It shall be the responsibility of the Contractor to mention state of supply of goods/ services in the invoice issued to BSNL.

18. GST on account of liquidated damages would be borne by the Contractor.

19. GST is payable on the tender cost. In this case BSNL would issue tax invoice to the bidders. The details of such tax invoice would be uploaded on the GSTN portal in the following manner:

- (i) BSNL shall furnish its outward supply details which includes revenue on account of tender cost in form GSTR-1 by the 10th of every month.
- (ii) Such details shall be communicated to the bidders through GSTR-2A (Part A).
- (iii) Post matching of the outward details posted by BSNL on GSTN with the input details posted by the bidder, GSTN would calculate the total amount of tax payable by BSNL and bidder would be eligible to claim credit of GST paid on the tender cost.

Executive Engineer(C)

PROFORMA OF SCHEDULES

SCHEDULE "A"

"Schedule of Quantities" - attached

SCHEDULE "B"

Schedule of Materials to be issued to the contractor

S. No	Description of Item	Quantity	Rates in figures & words at which the materials will be charged from the contractor	Place of issue
1	2	3	4	5

NIL

SCHEDULE "C"

Tools and Plants to be hired to the contractor

S. No.	Description of Item	Hire charges per day	Place of issue
1	2	3	4

NIL

SCHEDULE "D"

"General Instructions" - enclosed

SCHEDULE "E"

Schedule of component of Materials, Labour etc for escalation

CLAUSE 10 C *Not Applicable.*

CLAUSE 10 CA *Not Applicable*

CLAUSE 2A *Not Applicable*

Component of Materials expressed as percent of Total Value of Work	"X"	75 %
Component of Labour expressed as percent of Total Value of Work	"Y"	25 %
Component of POL expressed as percent of Total value of Work	"Z"	0%

SCHEDULE "F"		
Reference to General Conditions of Contract		
Name of Work	Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store Admin Compound Bhandara..	
Estimated cost of Work	Rs. 1,11,080/- (One Lakh Eleven Thousand Eighty) only.	
Earnest Money	₹ 2230/- (Rupees Two Thousand Two Hundred Thirty)	
Performance Guarantee	Not Applicable	
Security Deposit	10% of the tendered value	
GENERAL RULES AND DIRECTIONS		
Officers inviting tender	Executive Engineer, BSNL Civil Division Nagpur	
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 & 12.3	i) In foundation up to plinth - (+)100% ii) In Superstructure above plinth – (+)50%	
Definitions	See below	
2(v)	Engineering in Charge	Executive Engineer, BSNL Civil Division Nagpur
2(viii)	Accepting Authority	Executive Engineer, BSNL Civil Division Nagpur
2(x)	Percentage on cost of materials and Labour to cover all overheads and profit	10%
2(xi)	Standard Schedule of Rates	CPWD - Delhi Schedule of Rates 2023 printed by CPWD with rates corrected for 10% contractor's profit instead of 15%.
9(ii)	Standard BSNL Contract Form	BSNL W-7 form as modified and corrected upto date Correction Slips.
Clause 1	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 <u>30 Days</u>	
Clause 2	Authority for fixing compensation under Clause 2	Executive Engineer (Civil), BSNL Civil Division Nagpur
Clause 2 A	Not Applicable	
Clause 3 A	Not Applicable	

Clause 5		
i)	Time allowed for execution of work.	01(One) Month
ii)	Authority to give fair and reasonable extension of time for completion of work.	Executive Engineer (Civil), BSNL Civil Division Nagpur
Clause 6 A		Applicable
Clause 7 Gross value of work to be done together with net payment /adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment		NA
Clause 7 A Whether Clause 7A shall be applicable		APPLICABLE No Running Account Bill shall be paid for the work till the applicable labour Licenses, registration with EPFO, ESIC and BOCW welfare Board, whatever applicable are submitted by the contractor to the Engineer –in –Charge.
Clause 10		
Reinforcement steel to be used in the work shall have to be procured as below: (a) TMT bars Manufactured by Secondary Producers. (b) Cement : P.P.C. Cement confirming to IS 1489/1991 from reputed manufacturers of cement		
Clause 11		
Specification to be followed for execution of work.		CPWD Specifications 2019 Volume I to II with up to date correction slips (including correction slips issued and revised till date of opening of tender)
Clause 12		
12.1.2(iii)	% to be added as C.P. & O.H. on extra items	10%
12.2 & 12.3	Deviation limit for value of any item of any individual trade beyond which sub clauses 12.1.2 (i) to (iii) shall not apply and clauses 12.2.& 12.3 shall apply.	j) In foundation up to plinth - (+)100% ii) In Superstructure above plinth – (+)50%
Clause 16		
Competent authority for deciding reduced rates.		Superintending Engineer (C), BSNL Civil Circle,Nagpur.

Clause 19 (Additional)		
<p>The Contractor shall obtain a valid license under the Contract Labour(R&A) Act,1970 and the Contract Labour (Regulation and Abolition) Central Rules,1971 before the commencement of the work and continue to have a valid license until the completion of the work.</p> <p>The contractor shall also comply with provisions of the Inter- State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.</p>		
Clause 36(i)		
(a) Minimum requirement, qualification and experience of Technical Staff for civil works with estimated cost put to tender.		
Cost of Work up to 150 lakhs	(i) Graduate Engineer 1 No. with 2 years minimum experience. Or Diploma Engineer 1 No. with 5 years minimum experience.	
(b)Recovery to be affected from the contractor in the event of not fulfilling the provisions of clause 36(i).	Rs. 15,000/- Per Month	
Clause 42		
i)	Schedule / statement for determining theoretical quantities of cement on the basis of Delhi Schedule of Rates 2023 Printed by CPWD with up to date correction slips as on the date of opening of tenders.	
ii)	Variation permissible on theoretical quantities	
a)	Cement for works with estimated costs put to tender	
	i) not more than Rs. 5 lakhs	3 % minus
	II) more than Rs. 5 lakhs	2 % minus
b)	Steel reinforcement and structural steel sections for each diameter, section and category.	2 % minus
<u>.Star prices to be considered for escalations & recoveries</u>		
Sl.No	Material	Star Price (Rate in Figures and Words)
1	For Cement	Rs.6,800/- (Rupees Six Thousand eight hundred) only Per Metric Tonne

2	For Reinforcement steel TMT bars conforming to relevant IS code.	Rs. 73,000.00 (Rupees seventy Three Thousand) only Per Metric Tonne
3	Galvanized Steel	101/-

The rate for recovery under clause 42 shall be same as the Star Price

1. The rate of providing & laying TMT bars as quoted by the contractor in tender shall also be reduced by Rs9.46 per kg (the rate of reduction shall be same as "2" above converted to per kg plus Contractor's profit and overheads as applicable i.e 10%).

EXECUTIVE ENGINEER (CIVIL)
BSNL CIVILDIVISION
Nagpur

GENERAL INSTRUCTIONS

1. The entire work shall in general conform to the C.P.W.D. Specifications for Works 2009 (Volume I & II) with all correction slips issued up to date as on the date of opening of tenders and description in the Schedule of Quantities, special conditions, latest relevant Bureau of Indian Standard codes, drawings etc.
2. All the above documents shall be considered complementary to each other. However in case of conflict among them, the following order of precedence shall be followed.
 - a) Provision in description of item(s) in schedule of quantities, including drawings, if any mentioned therein
 - b) Particular specifications, special and additional conditions etc., as stipulated in tender document.
 - c) BSNL General conditions of Contract for Civil works – 2014 with up-to-date correction slips.
 - d) C.P.W.D. Specifications
 - e) Latest relevant B.I.S. codes
 - f) Drawings not specifically mentioned in the nomenclature of the item in Schedule of Quantity
 - g) Sound Engineering Practice
 - h) Manufacturer's specificationsDecision of Engineer-in-Charge shall be final and binding.
3. Where-ever "C.P.W.D. Specification" is referred to in the tender documents; it shall mean "C.P.W.D. Specifications 2019 (Volume I & II) with all up to date correction.
4. Wherever any reference to any Indian Standard Specifications (B.I.S.) occurs in the documents relating to this contract, the same shall be inclusive of all upto date amendments or revisions.
5. Where ever "D.S.R." is referred to in the tender documents, it shall mean "C.P.W.D. **Delhi Schedule of Rates 2023** with all up to date correction slips as on the date of opening of tenders".
6. The work shall be executed and measured as per Metric Dimensions given in the schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).

Executive Engineer(C),
BSNL Civil Division
NAGPUR

PROFORMA FOR AGREEMENT

(ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)

CONTRACT AGREEMENT FOR THE WORK OF _____ DATED _____

Between M/s. _____ (refer note) in the town of _____ herein after called the contractor (which term shall unless excluded by or repugnant to be subject or context include its successors and permitted assigns) of the one part and BHARAT SANCHAR NIGAM LIMITED hereinafter called the BSNL (which term shall unless excluded by or repugnant to the subject or context include its successes and assigns) of the other part.

WHEREAS

- a) The BSNL is desirous that the construction of _____ at _____ should be executed as mentioned, enumerated or referred to in the tender including Press Notice Inviting Tender, General Conditions of the Contract, Special conditions of the contract, Specifications, Drawings, Plans, Time Schedule of completion of jobs, Schedule of Quantities and Rates, Agreed Variations, other documents, has called for Tender (e-tender through publication in the portal).
- b) The contractor has inspected the site and surroundings of the work specified in the tender documents and has satisfied himself by carefully examination before submitting his tender as to the nature of the of surface, strata, soil, subsoil and grounds, the form and nature of the site and local conditions, the quantities, nature and magnitude of the work, the availability of labour and materials necessary for the execution of work, the means of access to site, the supply of power and water thereto and the accommodation he may require and has made local and independent enquiries and obtained complete information as to the matters and things referred to or implied in the tender documents or having any connection therewith and has considered the nature and extent of all the probable and possible situations, delays, hindrances or interferences to or with the execution and completion of the work to be carried out under the contract, and has examined and considered all other matters, conditions and things and probable and possible contingencies, and generally all matters incidental thereto and ancillary thereof affecting the execution and completion of the work and which might have influenced him in making his tender.
- c) The tender documents including BSNL's Press Notice Inviting Tender, General conditions of Contract, Special Conditions of Contract, Schedule of Quantities and Rates, General obligations, Specifications, Drawings, Plan, Time Schedule for completion of work, Letter of Acceptance of tender and any statement of agreed variations with its enclosures copies of which are hereto annexed form part of this contract though separately set out herein and are included in the expression Contract wherever herein used.

AND WHEREAS

The BSNL accepted the tender of M/s. _____ (refer note _____) (Contractor) for the construction of _____ at _____ and conveyed vide letter No. _____ dated _____ at the rates stated in the Schedule of quantities for the work and accepted by the BSNL (hereinafter called the Schedule of Rates) upon the terms and subject to the conditions of the contract.

NOW THIS AGGEMENT WITNESSTH &IT IS HEREBY AGREED AND DECLARED AS FOLLOWS :-

1. In consideration of the payment to be made to the contract for the work to be executed by him, the contractor hereby convenient with the BSNL that the contractor shall and will duly provide, execute, complete and maintain the said work and shall do and perform all other acts and things in the contract mentioned or described or which are to be implied and there-from or may be reasonably necessary for the completion of the said works and at the said times and in the manner and subject to the terms and conditions or stipulations mentioned in the contract, AND
2. In consideration of the due provisions execution, completion and maintenance of the said work, the BSNL does hereby agree with the contractor that the BSNL will pay to contractor the respective amounts for the work actually done by him and approved by the BSNL at the Schedule of Rates and such other sum payable to the contractor under provision of the contract, such payment to be made at such time in such manner as prescribed for in the contract
3. "The contract is subject to the jurisdiction of Court at Nagpur only." (Where the NIT/Tender has been issued)

It is specifically and distinctly understood and agreed between the BSNL and the contractor that the contractor shall have no right, title or interest in the site made available by the BSNL for execution of the works or in the building, Structures or works executed on the said site by the contractor or in the goods, articles, materials, etc., brought on the said site (unless the same specifically belongs to the contractor) and the contractor shall not have or deemed to have any lien whatsoever charge for unpaid bills will not be entitled to assume or retain possession or control of the site or structures and the BSNL shall have an absolute and unfettered right to take full possession of site and to remove the contractor, their servants, agents and materials belonging to the contractor and lying on the site.

In Witness whereof the parties hereto have here-into set their respective hands and seals in the day and the year first above written.

Signed and delivered for and on behalf
of BSNL

Signature and delivered for and on
behalf of the contractor

(BHARAT SANCHAR NIGAM LIMITED)
OFFICIAL ADDRESS

(Contractor)

Date
Place

Date
Place

IN PRESENCE OF TWO WITNESS

SIGNATURE
NAME

SIGNATURE
NAME

SIGNATURE
NAME

SIGNATURE
NAME

For Proprietary Concern

Shris/o..... r/o..... carrying on business under the name and style of.....at.....(hereinafter called the said Contractor which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representatives).

For Partnership Concern

M/s..... a partnership firm having its registered office at(hereinafter called the said Contractor which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representatives). The partners of the firms are:

- i) Shri.....s/o..... , And
- ii) Shri.....s/o.....etc.

For Companies

M/s a company duly incorporated under the Indian Companies Act, 1956 and having its registered office atin the State of(hereinafter called the said Contractor which expression shall unless the context requires otherwise include its successors and assign).

SPECIAL CONDITIONS FOR CEMENT & STEEL

CONDITIONS FOR STEEL:

1. The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of Steel; or from secondary producers and re-rollers having BIS License to produce CTD /TMT bars as specified in schedule –F subject to following stipulations.
 - (i) If it is provided in the agreement that steel is to be procured from primary producers and procurement of steel from secondary producers is allowed then a deduction based on the difference in market rate of steel from primary producers and secondary producers shall be made in the running / final bills.
 - (ii) However, if the stipulation is for procurement of steel from secondary producers then if the contractor uses steel from primary producers the same shall be allowed but nothing extra shall be payable on this account.

The procurement of TMT bars conforming to relevant BIS codes shall be made from main producers as approved by the Ministry of Steel or from secondary producers having BIS License to produce TMT Bars as specified in schedule –F subject to following stipulations:

- (i) If it is provided in the agreement that steel is to be procured from primary producers and procurement of steel from secondary producers is allowed Engineer In Charge then a deduction based on the difference in market rate of steel from primary producers and secondary producers shall be made in the running / final bills.
- (ii) However, if the stipulation is for procurement of steel from secondary producers then if the contractor uses steel from primary producers the same shall be allowed but nothing extra shall be payable on this account.

The contractor shall have to obtain and furnish test certificates to the Engineer-In – Charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-In-Charge as per the provisions in this regard in the relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work within a weeks time from written order from the Engineer- in – Charge to do so.

2. The steel reinforcement shall be brought to the site in quantity of lots as approved by the Engineer-in-Charge.
3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
4. For steel procured from mail producers, for checking nominal mass, tensile strength, bent test etc. specimen of sufficient length shall be cut from each diameter of the bar at random at frequency not less than that specified below. In case of works costing more than 2 crores and when the steel is procured from other than main producers, additional test such as, retest, rebent test, elongation test, proof stress may also be conducted.

Size of Bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10mm dia	One sample for each 25 tonnes of part thereof	<i>One sample for each</i> 40 tonnes part thereof.
10mm to 16mm dia	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes part thereof.
Over 16mm dia	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes part thereof.

5. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor / Department in the manner indicated below:
- By the contractor, if the results show that the steel does not conform to relevant BIS Codes.
 - By the Department, if the results show that the steel conforms to relevant BIS Codes.
6. Coefficient of weight i.e. the weight per unit length of the steel procured by the contractor shall be ascertained at site before using it and certified by the Engineer-In-Charge. In case weight per unit length is beyond the rolling margin as laid down in the BIS: 1786, the steel will be rejected and shall be removed from the site of work within; a weeks' time from written order from the Engineer-in-Charge to do so. In case weight per unit length is more than the standard coefficient of weight for the diameter, but is within the rolling margin, then the payment shall be made as per the standard weight per unit length, and, where the weight per unit length is lesser than the standard coefficient of weight for the diameter, but is within the rolling margin, the payment shall be restricted with respect to the actual weight per unit length of the diameter.
7. The standard sectional weights referred to in standard table under para 5.3.3., page 75 of the revised CPWD Specifications 2002 for Cement Mortar, Cement Concrete and RCC works, are to be considered for conversion of length of various sizes of Steel Reinforcement bars into weight and are reproduced below for ready reference.

SIZE (mm)	WEIGHT (Kg/M)	SIZE (mm)	WEIGHT (Kg/M)
6	0.222	20	2.470
8	0.395	22	2.980
10	0.617	25	3.850
12	0.888	28	4.830
16	1.580	32	6.310
18	2.000	36	7.990

8. The actual issue of consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
9. Steel bought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

**CONDITIONS WHEN CEMENT IS TO BE ARRANGED BY THE CONTRACTOR
CONDITIONS FOR CEMENT :**

1. The contractor shall procure P.P.C. (Portland pozollona cement) (confirming to IS 1489/1991) as required in the work from reputed manufacturers of cement, having a production capacity of one million tones or more such as A.C.C., Ultratech, Birla cement, Ambuja Cement, and Cement Corporation of India etc. i.e agencies approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product. The bidders may also submit a list of names of cement manufacturers which they propose to use in the work. The bid accepting authority reserves right to accept or reject names(s) of cement manufacturer (s) which the bidder proposes to use in the work. No change in the bided rates will be accepted if the bid accepting authority does not accept the list of cement manufacturers, given by the bidder, fully or partially. Supply of cement shall be taken in 50 Kg bags bearing Manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer_in_charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.
2. The cement shall be brought at site in bulk supply of approximately 25 tonnes or as decided by the Engineer-in-Charge.
3. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorised representative and the key of the other lock shall remain with the contractor. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
4. The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor / Department in the manner indicated below.
 - (i) By the contractor, if the results show that the cement does not conform to relevant BIS codes;
 - (ii) By the Department, if the results show that the cement conforms to relevant BIS Codes.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
6. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.

Additional Conditions and Specifications

The following additional conditions and specifications are in addition to the “ADDITIONAL CONDITIONS ADDITIONAL & PARTICULAR SPECIFICATIONS” of Form No. BSNL W-8 available as a BSNL Publication on BSNL website www.maharashtra.bsnl.co.in and CPWD Specification Volume I & Volume II 2009 up to date correction slips

1. The Contractor shall carefully protect and preserve all bench marks, site details, pegs and other things used in the setting out of the building for construction. All preliminary works such as establishment of a set of bench marks, permanent theodolite stations, centre line pillars, etc including required materials, tools, plants, equipment, labour, etc. for performing such functions necessary and ancillary there to for the commencement and during the progress of the work and till physical completion of the work shall be carried out by the Contractor at his own cost. Nothing extra shall be payable on this account.
2. The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building materials shall be stacked on areas where other buildings, roads, services of compound walls are to be constructed.
3. The structural drawings for the work shall be issued in stages taking into consideration the approved programme as well as the actual progress.
4. The contractor shall be responsible for any leakage that takes place through the roof for full monsoon season after the date of completion and on being intimated of any such defect shall take immediate necessary action for rectification of the defect to the satisfaction of the Engineer-in-Charge failing which the Engineer-in-charge will have the authority to get the defects repaired at the risk and cost of the contractor.
5. In addition to clause 1.4 of Standard form no. BSNL W-8, in case of materials for which no manufacture has been licensed to manufacture, the materials with ISI marking, the material shall conform to the provision of the CPWD specifications. In the case of non-ISI marked materials, tests shall be conducted to ensure that they conform to the specifications or codes mentioned above. BIS marked materials may also be got tested if felt necessary by the Engineer-in-Charge.
6. All materials for which testing is mandatory before being allowed for incorporation in the work shall be purchased well in advance of their actual requirement in the work at site, so as to afford enough availability of time for getting the material tested and obtaining the approval of the Engineer-in-Charge.
7. The contractor shall give a performance test of the water supply / sanitary / drainage installations in accordance with the provision of the CPWD Specifications before the work is finally accepted and the completion certificate recorded. The percentage rate quoted by the contractor above / below schedule rates are deemed to include for such testing and no claim for payment over and above the rates quoted will be entertained.
8. Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying / burying in the work of pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies,

conduits for electrical wiring / cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.

9. The percentage rate quoted by the contractor above / below schedule rates shall include all taxes(except GST on works contract), royalty, seignior age charges that are applicable from time to time as per statutory rules of State / Central Government.
10. The work shall be carried out in a manner complying in all respects with the requirements of relevant byelaws of the Municipal Committee / Municipal Corporation / Development Authority / Improvement Trust under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account.
11. No compensation / payment shall be payable to the contractor for any damage caused by rains, snow fall, lightning, wind, storm, floods tornadoes, earthquakes or other natural calamities during execution of work. He will make good all such damages at his own cost and no claim on this account will be entertained.
12. All cement bags and all other similar perishable items shall be stored by the contractor in a separate godown which shall be exclusively constructed by the contractor for this purpose at his own cost as per general guidelines given in the "Typical Sketch for Cement Godown" under clause 1.7.1.2 of the Specifications. The dimensions given in the said sketch are only indicative and the contractor shall be bound to construct the storage godown of sufficient size so as to properly store the appropriate quantity of cement required for consumption for not less than ONE MONTH. Such godown shall have weather proof roof and walls. The godown shall be provided with a single door with arrangement for locking it simultaneously with two locks. The contractor shall be fully responsible for the safe custody of all the materials even if the materials are kept and stored under double lock system. The account of daily receipts and issues of the cement bags shall be maintained in the said register which shall be signed daily by the contractor or by his authorized agent in token of correctness of the entries.
13. The Contractor shall be responsible for satisfactory execution of all the specialized services of the works, including those executed by specialized agencies. In so far as relationship between Contractor and specialized agencies, the BSNL shall have no role to play. The Contractor shall indemnify the BSNL, arising out of any dispute between Contractor & specialized agencies.
14. Necessary barricading with warning red lights and all safety precautions shall be taken by the Contractor along the boundary of the site of work as per the directions of Engineer-in-Charge. Nothing extra shall be payable on this account.
15. Plumbing drawings are schematic but shall be followed as closely as actual construction permits. Any deviations made shall be in conformity with the architectural and other services drawings. Architectural drawings shall take precedence over plumbing or other services drawings in respect of overall dimensions.
16. On completion of plumbing, sanitary, drainage on any other services, Contractor shall submit two prints of completion drawings for complete system as well as soft copy of the same to the Engineer-in-Charge without extra payment on this account.. These drawings shall have the following information.

- a) Run of all piping along with diameters on all floors, vertical stacks and location of external services.
 - b) Ground and invert levels of all drainage pipes together with location of all manholes and connections upto outfall.
 - c) Layout of all water supply lines with diameters, locations of controls valves, access panels etc.
 - d) Location of all mechanical equipment with layout and piping connections.\
17. The Contractor shall be responsible for the watch and ward of the building, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installation till handing over of the entire building to BSNL. Nothing extra shall be payable on this account.
18. In case of natural products such as Kota stone, Marble, Granite etc., such products should be procured from same query/ lot and approval for best match for uniformity in colour, shade, texture etc. of the product will be necessary from Engineer – in – Charge before put to use. If in opinion of the Engineer-in-Charge there is significant variation in properties, he can direct the contractor to remove the same from the site and can ask for matching replacement. The decision of Engineer-in-Charge shall be final and binding. Nothing extra shall be paid on this account.
19. If sufficient space is not available at site of work, the Contractor shall make his own arrangements for transporting and stacking the excavated earth at a suitable place elsewhere and bring it back for filling in plinth, trenches and side of foundations whenever required at his own risk & cost. Nothing extra shall be paid on this account.
20. Disposal of surplus excavated earth including mud, liquid mud, unserviceable materials resulting from dismantling of RCC work, brick work or other building work or services etc., asked by the Engineer – in – Charge, shall be made only in the dumping yard approved by local authority, at his own cost. It will be the responsibility of the contractor to get necessary permission from local authority regarding disposal of aforesaid material. If any royalty/fees is payable to local authority, such royalty/fees shall also be borne by the contractor. Disposal shall be carried out strictly as per the regulations of local authority. If, any levy/ fine is imposed by the local authorities on account of violation of bye-laws, the same shall be recovered from the contractor.
21. The concrete surface shall be free from honey combing, offsets, superfluous mortar, cement slurry and foreign matter. Any honey-combed or poorly formed concrete may be required to be dismantled and redone at the risk and cost of the agency. However, if in the opinion of Engineer – in – Charge, the concrete is sound and the honey comb is on surface only, such honey combing shall be required to be repaired with suitable polymer concrete as approved by the Engineer-in-Charge. Nothing extra shall be payable to the Contractor on account of such repair.
22. The project being time bound, delay in its execution is totally unacceptable whereas its early completion is highly appreciable. For this reason, it is desirable that the agency may suggest alternative to traditional methods of execution to cut short the execution period. The

suggestion will be examined by Engineer – in – Charge in consultation to higher authority and if approved, the agency may be allowed to adopt the method as approved.

23. Guarantee for Services

23.1 For all plumbing and sanitary work, internal drainage and water supply, the Contractor shall give a guarantee to the effect that the work shall remain structurally stable and shall guarantee against faulty workmanship, finishing, manufacturing defects of materials and leakages etc. The Contractor shall furnish a Guarantee Bond, **as per prescribed format**. The Guarantee Period shall be for 10(Ten) years after completion of defects liability period.

24. Specification for wall lining, skirting, dado and flooring etc. using granite stone will be the same as stated for wall lining, skirting, dado and flooring etc. using marble stone explained in CPWD Specification 2009 Vol I (SH 8: Marble Work & SH 11: Flooring) except for thickness and other details specified in nomenclature of items of Granite Stone.

RATES:

Unless otherwise specified, the percentage rate quoted by the contractor above / below schedule rates for the items shall include all labour, material, taxes, insurance, watch & ward, necessary T&P required for the work, tests, all weighing / measuring equipments etc. all complete. Nothing extra shall be paid over and above the percentage rate quoted by the contractor above / below schedule rates for the items.

ADDITIONAL CONDITIONS & SPECIFICATION**CONDITION FOR DISMANTLING AND ERECTION & MAINTENANCE OF TOWER****GENERAL:**

- 1 The quoted rates for various items in the tender shall be inclusive of all the additional conditions and particular specifications and for adherence to all these conditions and specifications, no extra payment shall be made to the contractor. Any infringement and/or breach of these specification and condition(s) etc. shall render the contractor liable to action(s) under various clauses of the contract and such action stipulated in conditions therein.
2. The quantum of work indicated in the schedule is tentative. Quantum of work may get increased or decreased as per limit prescribed in schedule F. Agency will not be entitled to any claim in respect of loss or profit on account of reduction in scope of work / sites. The rates quoted by the contractor are for all quantities and will remain valid for the period of contract up to the completion of work whichever is later.

ADDITIONAL CONDITIONS FOR SUPPLY OF TOWER BOLT MATERIAL

The following conditions shall be applicable in addition to other conditions given in tender form. Nothing extra shall be paid on these accounts unless otherwise mentioned.

- 1.0 The work includes dismantling and erection of tower including erection / assembly of antenna fixtures, box type cable feeder rack/ runway, platforms, wave guide rack, and wave guide rack support (Optional)/ ladder etc. and its accessories /allied infrastructure as existing at the site and painting of all steel members and fixtures as directed by the engineer in charge. It also includes handing over of tower to the concerned SSA authorities (User) after acceptance testing as and when required.
:
- 2.0 The contractor shall procure all structural steel members i.e. Angles, tees, Plates, nuts & bolts etc.(if required) conforming to relevant I.S. Codes from main producers as approved by the Ministry of Steel namely SAIL, TISCO and RINL or BIS approved. However, in case of BIS approved, prior approval of CE(C) MH Zone shall be required. All Mild steel / High tensile steel angles, Tees and Plates shall be of grade 'A' as per IS: 2062-2006 and IS: 8500-1991. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in the relevant I.S. Codes. In case the test results indicate that the steel arranged by the contractor does not conform to I.S. Codes, the same shall stand rejected and shall be removed from the site of work within three days from date of receipt of written order of the Engineer-in-charge to do so. The proof of manufacturer of structural steel members from virgin billets purchased from main steel producers is to be furnished by him before tower member / templates are cut.
 - 2.1 The Nuts, bolts, plain / spring washers shall be procured from producers approved by Power Grid Corporation of India or equivalent. Nuts and bolts of grade 5.6 conforming to relevant IS codes as per IS: 6639-1972, IS: 12427-2001, IS: 1363 (Part I)-1992 IS: 1364-2002, IS: 1367-2002 (Part 8) and plain washers as per IS: 6610-1972 & spring washers of type 'B' as per IS: 3063-1994 shall be used. All nuts, bolts and washers shall be hot dipped galvanized of minimum thickness of 85 micron.
 - 2.2 The steel structural members , Nuts , Bolts, etc. shall be stored by the contractor at site of work as per direction of Engineer – In – Charge , in such a way so as to prevent distortion and corrosion and nothing extra shall be paid on this account.
 - 2.3 For testing of steel members in accordance with IS 2062, specimen of sufficient length shall be cut from sectional member of steel as per requirement of relevant IS Codes and the contractor shall supply the steel members required for testing, free of charge.

2.4 The cost of tests shall be borne by the contractor/BSNL in the manner indicated below: -

- i. **By the contractor, if the results show that the steel does not conform to the relevant I.S. Codes.**
 ii. **By B.S.N.L., if the results show that the steel conforms to the relevant I.S. Codes.**
- 3.0** All structural steel members including nuts, bolts, etc. shall be hot dip galvanized as per IS: 4759-1996 (Reaffirmed 2001) and IS: 1367-2002. The standard zinc used for galvanizing shall conform to IS: 13229-1991.
- 3.0** The communication towers should conform to the latest revisions of all the relevant standards of BIS including: -
- | | | |
|----|--|--|
| a) | IS 2062 – 2006 | Specifications for structural grade steel. |
| b) | IS 4759 – 1996 & IS 1367- 2002 | Specifications for hot dip galvanization |
| c) | IS 800- 1984 | Code of practice for general construction in steel. |
| d) | IS 802 | Code of practice for use of structural steel in overhead transmission lines. |
| e) | IS 6639, IS: 1363, IS 12427, IS 1364 & IS: 1367 Part 8 | For nuts and bolts. |
| f) | IS 13229 – 1991 | Standard for Zinc for galvanizing |
| g) | IS 6610 -1972 & IS 3063-1994 | For plain washers and spring washers respectively |
| h) | IS 12843-1989 | For tolerance in Erection of steel structures. |
| i) | IS 7205 -1974 | Safety code for Erection of structural steel work |
| j) | IS 875 -1987 (Part-III) | Code of practice for design loads (Wind load) |
- 5.0** The contractor shall arrange at his own expense all tools, plants and equipment for execution of the works. No tents, tools, pumps for dewatering or any type of machinery / equipment will be supplied by the department for carrying out any portion of work. The contractor shall be in position to deploy all required machinery / tools / equipment within the time schedule specified in the individual work orders. No accommodation shall be provided by the BSNL either for storage of materials or for his staff. He shall make his own arrangement.
- 6.0** The intending bidders should inspect the site of work fully before tendering and acquaint / satisfy themselves as to the conditions in regard to accessibility of site, nature and extent of ground, working conditions including stacking of materials, installation of T&P, conditions effecting accommodation and movement of labour etc. required for the satisfactory execution of work.
- 7.0.** Erection of the tower and painting shall be done through specialized agencies only and all safety precautions shall be taken in accordance with safety code for erection of structural steel work (IS: 7205) including insurance of materials as well as labourers to be engaged by the contractor. Safety and security of the materials and labourers is the responsibility of contractor.
- 8.0.** Agency executing the Dismantling Transportation and erection of towers should take all precautions to see that no damage occurs to the adjoining structures while executing the work. Also, all the workers on the execution site should be adequately insured along with third party insurance for any unforeseen injury to passerby or occupants of adjoining buildings. Agency shall be solely responsible for any mishap on these accounts.
- 9.0** The agency has to confirm after erection of tower that the tilt, twist and rotation of the tower are within specified limits. The agency also has to check the verticality of the tower after erection. The verticality of tower shall be within the limit of (+ / -) 25mm as given in IS:12843 : 1989, Table iii(b) (i.e. the bottom of the line joining to the centre of the top of the tower and the centre of the base of the tower shall be within this limit. This may be checked in the field after the erection of tower at site.
- 10.0** The site of work may be changed by the Engineer-in-charge due to exigencies of the service within / adjoining revenue districts for which nothing extra shall be payable except the approved contract rates.
- 11.0** Connection between verticals legs and bracings shall be done to each other at site by Gusset / splices plates with nuts, bolts and washers as per design.

- 12.0** Rack for running feeder cables from the rear of Antenna to the base of the Tower shall be provided. Suitable support to be provided for all the feeder cable runner at 600 mm each, width of each rack shall be 300 mm.
- 13.0** A ladder shall be provided externally right through from the ground level up to 40M. Hoops and runners shall be provided to ensure the safety of the person climbing on the Tower.
- 14.0** The mounting structure for antenna shall be of steel work and shall be such as to allow a nominal azimuth adjustment of (+ / -) 5 degree and an elevation adjustment of (+ / -) 5 degree .The design of antenna supporting cage and platform shall be in accordance with the specification given.

15.0 STRAIGHTENING

All materials shall be straightened and or flattened by pressure unless required for a shape of curvilinear form before fabrication and shall be free from twists. Straightening shall not damage the material. The parts when assembled adjacent surfaces shall be in close contact. Hammering shall not be permitted for straightening. Sharp kinks or bends shall be rejected.

16.0 CUTTING

Cutting may be affected by shearing, flame cutting or sawing. The surface so cut shall be clean, smooth, square and free from any distortion.

17.0 HOLES

- (i) Holes for bolts shall be drilled using jigs provided with hardened steel bushes and shall not be punched or formed by flame cuttings process. All drill burns shall be completely removed. Drilling of holes shall be done before galvanizing.
- (ii) Holes on both sides of the bend line in a bent member shall be drilled after bending. The relative position of these holes shall be checked using proper templates.
- (iii) Holes shall be circular and of a diameter 1.5 mm more than the dia. of the bolt.
- (iv) Holes shall be drilled at right angles to the surface of the plates or angles, unless otherwise specified.
- (v) The accuracy of location of hole shall be such that for any group when assembled they shall admit the bolt at right angles to the plane of the connection.
- (vi) Spacing of bolts and edge distances shall be in accordance with IS 800-1984.
- (vii) Butting ends of main leg members shall be cut with saw. Flame cutting or shearing shall not be permitted.

18.0 TOLERANCES

Fabrication tolerance shall not exceed those specified in IS 7215-1974 as applicable to group "B" structure.

19.0 GALVANIZING

- 19.1 Hot dip galvanizing protects steel from corrosion by providing a thick, tough metallic zinc coating, which completely covers the steel surface and seals it from the corrosive action of its environment. The galvanized coating provides outstanding abrasion resistance. Where there is damage or minor discontinuity in the coating of zinc, protection of the steel is maintained by the cathodic action of the surrounding galvanized coating. Metallic zinc is strongly resistant to the corrosive action of normal environments and hot dip galvanized coatings therefore provide long-term protection for steel.
- 19.2 Zinc for galvanizing should conform to IS 13229-1991.
- 19.3 All members and fasteners of Tower member/ bolts are to be hot dip galvanized. Galvanizing of members of the tower shall conform to IS 4759 and 2629. Bolts and other fasteners shall be galvanized in accordance with IS 1367 (part 13). The total mass of galvanizing coating shall not be less than 610gm/sqm (i.e.85 micron) thickness.

20.0 PAINTING

Painting of galvanized steel towers is required to give additional protection and to give 'Day warning' as per additional protection and civil aviation specifications. Painting shall be done by specialized agencies only and all safety precautions shall be taken in accordance with the safety code for erection of steel tower.

20.1 COASTAL AREA

All steel galvanized sections like L angles, flats, tubular sections, bolts and nuts etc. shall be given a coat of ETCH primer. Zinc phosphate primer shall be applied over ETCH primer. Synthetic enamel paint of two or more coat thickness shall be applied over the above.

20.2 NON COASTAL AREA:

In the non-coastal area , zinc chromate instead of zinc phosphate shall be applied over etch primer. Painting shall be done in accordance with IS 1477 Part I & II. Priming coat of zinc Chromate/phosphate shall conform to relevant code.

20.3 CLEANING

Dust, grease and rust on galvanized tower members namely angles, tees, plates railing, ladders, racks etc. shall be removed by wire brushing and cleaned with a piece of cloth. Also the loose flakes of existing paint shall be removed by wire brushing and cleaned with a piece of cloth. Nothing extra shall be paid on this account.

20.4 APPLICATION OF ETCH PRIMER

After cleaning the tower members a first coat of an etch primer has to be applied to the tower structure members. The etch primer consists of polyvinyl butyl phosphoric acid catalyst and zinc chromate base and are supplied separately. They should be mixed before use in specified ratio of four parts base to one part catalyst or as specified by the manufacturer. The primer is to be applied uniformly to get a very thin and almost invisible coat and every part of the tower structure should be treated with this primer. Subsequent painting of the zinc chromate primer should be commenced within two hours of application of the primer. The etch primer once mixed should be used up immediately.

20.5 APPLICATION OF PAINT

After 48 hours of application of primer, the first coat of the paint should be applied carefully, well brushed into the surface, corners, crevices etc. should be uniform and even. The second coat of paint should be applied 48

hours after the application of the first coat. Care should be taken to see that the painting is not carried out at the hottest time of the day and air pockets should be avoided.

20.6 SPECIAL REMARKS

(i) The painting shall be done carefully so that all corners and crevices of the mast receive the paint and no base surface is left exposed anywhere. Special care is to be taken in applying paint at the place where galvanized coating has got removed.

(ii) No driers such as Litharge or Turpentine are to be used. The practice of mixing kerosene oil with paint is strictly forbidden.

(iii) The primer and the paints used should be got approved prior to their use.

(iv) The painting shall conform to civil aviation guideline.

(v) Before commencing the painting work, required scrapping of loose flakes of existing paint, dust, grease and rust on galvanized tower members namely angles, tees, plates railing, ladders, racks etc. shall be done for which nothing extra shall be paid.

20.7 PAINTS

Paints shall be synthetic enamel of the best quality and anticorrosive and withstand exposures to outside conditions. They should be of standard quality equivalent to synthetic enamel paint of Shalimar or Berger paints or Asian paints or ICI/Dulux as approved by the engineer in charge.

20.8 ORANGE AND WHITE BANDS (DAY MARKINGS)

To conform to Civil Aviation regulations the towers shall be painted in alternate bands of international orange and international white, terminating with orange at top and the bottom, Height of each band should be not exceed 6 metres and should not be less than 0.5 mt. The correct shade for the international orange corresponds to ISI shade 592 as given in the Indian Standard Institution Publication-colours for ready mixed paint, IS: 1755, IS: 2732-1964.

21.0 RECTIFICATION / REPAIRS TO DAMAGED PARTS

21.1 Damaged components of the steel work should be rectified as per directions of the Engineer-in-charge minor damages to the galvanizing shall be made good by cleaning the damaged portion free of all rust and applying a zinc rich paste to the same thickness as the original coat of galvanizing.

21.2 Members of components, which are dented, bent or twisted in transit or by handling during erection shall not be used on work but shall be replaced as directed by the Engineer-in-Charge.

22.0 ERECTION

(i) It shall be ensured that structural components with correct markings as indicated in drawings are used in correct position.

(ii) At the base connections the foundation bolts shall be located correctly using templates and grouted ensuring that all templates are in one horizontal plane. After erection of the first panel, its verticality shall be checked and corrected if necessary.

(iii) Further erection work shall proceed panel-by-panel, bolts and nuts shall be finally tightened up to the torque specified using torque wrenches. Verticality of the tower shall be checked after complete erection of each panel. Each panel shall be completed in all respects and shall have the approval of the Engineer-in-charge before proceeding to the next panel.

(iv) If a panel is to be left incomplete, it shall be ensured if necessary by erection of temporary bracings that all the members erected form a stable configuration, sufficient to withstand dead and wind loads.

(v) The joint shall be made by drawing the light members into position with barrel drifts. Drifts may be used on the heavier members only to secure them in correct position. No member shall be force fitted. Any error in steel

work, which prevents the assembly and fitting up to the parts by the proper use of drifts, shall be investigated immediately. If any defect or deficiency in the member comes to notice, the same shall be rectified as per directions of the Engineer-in-Charge.

(vi) Packing plates shall be provided at the joints as shown on approved drawings in order to make up the change in the thickness of the parts jointed. No other packing plates shall be used.

(vii) Hot dip galvanized bolts and nuts and washers of grade 5.6 shall be provided in all connections involving leg member's main diagonals as well as horizontal through inter section of the main diagonals in k brace, panels and plain bracings

(viii) Hot dip galvanized contact surfaces of joints providing with hot dip galvanized bolts nuts and washers shall be free of oil, paint and lacquer or other coatings and shall be scored by wire brushing or light blasting after galvanization and prior to assembly.

(ix) Bolts used for connections shall not be less than 12mm dia. and the length shall be such that not more than half of the pitch of the thread lies inside the grip length. The threaded portion of the bolt shall protrude by not less than 3mm beyond the lock nut after it has been fully tightened.

(x) Bolts and nuts shall be tightened by using the part turn method. The nut shall be brought to the snug, tight position after which it will be given a further half to one turn depending upon the length of the bolt. In joints with several fasteners all the nuts bolts shall be brought to the snug tight position, before tightening further systematically. The nut rotation from snug tight condition is given in the table below:

NUT ROTATION FROM SNUG TIGHT CONDITION

Bolt length (as measured from underside of head to extreme end of point)	Bolts faces Normal to bolt axis.	One face normal To bolt axis & other face sloped not more than 1:20 (bevel washer not used)	Bolt faces slope not more than 1:20 from normal to bolt axis (bevel washers not used).
Upto including 4 dia.	1/3turn	1/2 turn	2/3 turn
Over 4 dia. But not exceeding 8 dia.	1/2 turn	2/3 turn	5/6 turn
Over 8 dia. But not exceeding 12 dia.	2/3 turn	5/6 turn	1 turn.

(xi) Alternatively nuts may be tightened using a calibrated wrench so that the proof load of the bolt specified in IS 1367 is achieved "snug tight is defined as the tightness attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench. Following this initial operation, bolts shall be placed in remaining holes in the connection and brought to snug tight position".

22.1 VERTICALITY TOLERANCES

The verticality of towers of different heights shall be within the provisions of Table-1(III)(b) of IS:12843 : 1989, viz. $+ H / 1000$ or ± 20 mm (whichever is less) and $H/1500$ or ± 25 mm (whichever is less) for towers up to and including 30M height and over 30M height respectively. (H refers to the height of tower).

22.2 WORKING PLATFORM AND LADDER

A set of 3 (three) platform with railing as per the drawing shall be provided at height of 34M, 36.4M and 38.8M respectively. A resting platform shall also be provided at a height of 20M from the ground level as per the details provided in the specifications. A ladder up to the top most platform inside the tower and cable tray assembly shall also be provided as per the specifications attached.

A working platform with railings is provided at a height from where erection and maintenance of Antenna, Aviation lamps, Lightning arrester etc. can be done easily. A ladder from rooftop up to top of platform at tower is provided with safety rings. Width of ladder shall be minimum 300 mm and safety ring of 750 mm shall be provided. Entry from ladder up to top of platform shall be such that no extra efforts will require to reach at the platform. Width of platform should be minimum 600mm.

23.0 WAVE GUIDE

A tray of galvanized M.S. angle and flats of 600 mm width shall be provided as wave-guide to carry the feeder cables from Antenna fixed at top of tower up to the BTS. This shall not bend sharply at right angles at turning point to avoid damage to running feeder cables.

Waveguide is provided in towers to carry the feeder cables from Antenna fixed at top of tower up to Transmission room. It is a tray of galvanized M.S. angles and Flats of 600mm width.

(a) Wave guide should enter straight into the termination at last length.

(b) Precaution should be taken to avoid twisting of the wave-guide while tightening the nut of the termination flange.

(c) Twisting can be permissible by an amount of 1 over 5 meters of wave guide length.

(d) Bend in the wave-guide should be less than 2M diameters.

(e) Wave-guide should be clamped suitably at all the stages on wave-guide rack and at proper places at approx. every 2 meters length in bend portion.

24.0 MEASUREMENTS

24.1 Unless otherwise specified, for item of erection, the payment shall be made on weight basis. The weight shall be calculated as under.

24.2 The weight of all the structural members including tees, angles, channels, flats, rods, bars, tubes, gusset plates, splice plates, chequered plates, cleats, brackets, antenna, holding pipes, lightening arrestor pipe etc. shall be measured as given below.

24.3 The weight of nuts & bolts, washers, packing pieces etc. shall be measured for payment purposes.

24.4 The actual dimensions (length & width) of the members shall be measured in running meters correct to a centimetre and the thickness shall be measured correct to a millimetre.

24.5 For calculation of weight, the coefficients as given in the standard tables of BIS codes shall be followed.

24.6 In case the coefficients are not available in BIS Codes, than the coefficient available in other standard tables shall be followed.

24.7 In case the coefficients are neither available in BIS Codes nor in other standards, than the coefficients shall be derived based on actual weight taken at site.

24.8 In case none of the above is possible, the actual weight shall be measured at site before erection.

24.9 No deductions shall be made for rivet or bolt holes made as per drawings and no additions shall be made in weight due to galvanizing of the members.

24.10 If actual weight measured at site, is less than the weight as per BIS codes / other standards, then the actual weight shall be measured.

25.0 RATES

- 25.1 Unless otherwise specified, the rates quoted for the items shall include all labour, material, taxes, (except GST on works contract) insurance, watch & ward, necessary T&P required for the work, packaging, loading unloading, and transportation etc., tests, all weighing / measuring equipment etc. all complete. Nothing extra shall be paid over and above the quoted rates for the items.
- 25.2. The contractor shall pay Octroi wherever applicable. The Form "C" & "D", Octroi exemption certificates etc. will not be issued by BSNL for any materials required in the work. The contractor shall quote all inclusive rates only. Nothing extra shall be paid over the quoted rates.

26. PROTECTION OF LIFE, PROPERTY AND EXISTING FACILITIES :

- 26.1 The contractor is fully responsible for taking all possible safety precaution during preparation for and actual performance of the works, and for keeping the construction site in a reasonable safe condition. The Contractor shall protect all life and property from damage or losses resulting from his construction operations and shall minimize the disturbance and inconvenience to the public.
- 26.2 In this connection, the attention of the contractors are drawn to the safety measures and precautions including code of conduct while safely carrying out the work and also detailed Engineering Instructions enumerated in this tender document.
- 26.3 The contractor shall be solely liable for all expenses for and in respect of repairs and / or damage occasioned by injury of or damage to such underground and over-ground structures or other properties and undertake to indemnify and keep indemnified the BSNL from and against all actions, cause of actions, damages, claims and demands what-so-ever either in law or in equity and all losses and damages and costs (inclusive between attorney and client), charges and expenses in condition therewith and / or incidental thereto.
- 26.4 The current market value of any commodities lost as a result of any damage to the aforesaid existing facilities shall be paid by the contractor together with such additional sums necessary to liquidate the personal or property damages resulting there from.

27.0 INSURANCE

Without limiting any of his other obligations or liabilities, the contractor shall, at his own expense, take and keep comprehensive insurance including third party risk for the plant, machinery, materials, etc. brought to the site and for all the work during the execution *including dismantled tower material (of BSNL) till re-erection with those tower materials or handing over safely and securely to BSNL authorities as directed by the engineer in charge.* The contractor shall also take out workmen's compensation insurance as required by law and undertake to indemnify and keep indemnified the BSNL from and against all manner of claims and demands and losses and damages and cost (including between attorney and client) charges and expenses that may arise in regard the same or that the BSNL may suffer or incur with respect to and/or incidental to the same.

28.0 INDEMNITIES:

- 28.1 The contractor shall all the times hold the BSNL harmless and indemnify from against all actions, suits, proceedings, works, cost, damages, charges, claims and demands of every nature and descriptions brought or procured against BSNL, its officers, and employees and forthwith upon demand and without protest or demur to pay the BSNL any or all losses and damages and cost (inclusive between attorney and client) and all costs incurred in endorsing this or any other indemnity or security which the BSNL may now or at any time have relative to the work or the contractor's obligation or in protecting or endorsing its right in any suit or other legal proceedings, charges and expenses and liabilities resulting from or incidental or in connection with injury, disease or disablement to or death of any person(s) including employee(s) of the contractor or damage to property resulting from or arising out of or in any way connected with or incidental to the operations caused by the contract documents. In addition the contractor shall reimburse the BSNL or pay to the BSNL forthwith on demand without protest or demur all costs, charges and expenses and losses and damages otherwise incurred by it in consequences of any claims, demand and actions which

- may be brought against the BSNL arising out of or incidental to or in connection with the operation covered by the contract.
- 28.2 The contractor shall at his own cost at the BSNL request defend any suit or other proceeding asserting a claim covered by this indemnity, but shall not settle, compound or compromise any suit or other finding without first consulting the BSNL.
- 29.0 The work shall be executed as per programme approved by the Engineer-in-charge of the work. No claim whatsoever will be entertained on this account.
- 30.0 No payment shall be made to the contractor for any damage caused during the execution of work because of cause(s), not covered under Clause 43 of the Contract. The damage to work will be made good by the contractor at his own cost, and no claim on this account shall be entertained.
- 31.0 Some restrictions may be imposed by the security staff etc. on the working and/ or movement of labour, materials etc. and the contractor shall be bound to follow all such restrictions/ instructions and nothing extra shall be payable on this account.
- 32.0 The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable and nothing extra shall be payable on this account. The work shall be carried out without infringing on any of the local Municipal Bye-Laws.
- 33.0 The rate for every item of work to be done under this contract shall be for all heights, depths, lengths and widths of the structure (except where specially mentioned in the item) and nothing extra will be paid on this account.
- 34.0 The contractor shall maintain in good condition all work during execution till completion of entire work allotted to him.
- 35.0 The contractor shall cause the site to be cleared thoroughly of rubbish, scaffolding materials etc. before the actual date of completion of the work as well as time to time as per directions of the Engineer-in-charge of the work.
- 36.0 The contractor shall make his own arrangement for obtaining electrical connection, if required and make necessary payments directly to the department concerned.
- 37.0 The contractor shall be responsible to arrange at his own cost all necessary tools and plants required for execution of the work.
- 38.0 The rate of all items of work, shall, unless clearly specified otherwise, include cost of all labour, material and other incidental inputs involved which are essential to complete the work as per entire satisfaction of the Engineer-in-Charge.
- 39.0 For the purpose of recording measurement for preparing running account bills, the abbreviated nomenclature indicated in the standard schedule of rates relevant to the contract may be adopted. The abbreviated nomenclature shall be taken to cover all the materials and preparations as per the complete nomenclature of the relevant items in the agreement and other relevant specifications.
- 40.0 In case of items for which abbreviated nomenclature is not available in the standard relevant schedule of rates and also in the case of extra and substituted items of work for which abbreviated nomenclature is not provided in the agreement the full nomenclature of items shall be reproduced in the measurement books and bill forms for running account bills.
- 41.0 Whenever any reference to any Indian standard specifications occurs in the documents relating to this contract the same shall be inclusive of all amendments issued thereto if any, up to the date of receipt of the tender.
- 42.0 The contractor shall take instruction from the Engineer-in-Charge regarding collection and stacking of materials at any place.

- 43.0 The site of work should be seen by the tenderer before quoting his rates with respect to approaches to the site and conditions of the same. If any approach road from main road is required at the site or existing approach is to be improved and maintained, for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.
- 44.0 If as per municipal rules the huts for labourers are not to be erected at the site of work by the contractor, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.
- 45.0 The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards such as day and night boards, speed limit boards and flags, red lights and providing barriers etc. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of work. Nothing extra shall be paid on this account. Any damage done by the contractor to any existing work during the course of execution of the work awarded to him shall be made good by him at his own cost.
- 47.00. The contractor shall provide /arrange the necessary tools (such as wrench /ladder etc) and skilled labour/manpower required in process conducting the acceptance of testing .

SCHEDULE OF QUANTITY

Name of work: Dismantling of 40m GBT Tower at Chichal in Pauni Taluka and shifting at BSNL Store Admin Compound Bhandara.

Sl. No.	DESCRIPTION OF ITEMS	QUANTITY		RATE	PER	AMOUNT
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed.					
	1.1) All kinds of soil.	7.00	Cum	140.05	One Cubic Metre	980.00
2	Filling available excavated earth (including rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	7.00	Cum	154.64	One Cubic Metre	1082.00
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	4.00	Cum	2801.94	One Cubic Metre	11208.00

4	Dismembering / Dismantling of 40 Mtr ground based / USO tower (from top to bottom), as and where available, including dismembering of all members and fittings by removing the nuts and bolts including stacking in order of all members, antenna , cables, accesaries, nut-bolts and other materials of towers at site carefully within 50m lead and making the site clear all complete as per the direction of Engineer in charge. (Rate is inclusive of all operation for engaging labour, T&P, ropes, scaffolding involved for dismantling of tower, clearing of jungle/ grass at site, if required, counting of members or parts and preparation of list, stacking the tower material at required locations all complete.) All necessary arrangements & precautions shall be made during dismantling of tower for safety of life and property including necessary insurance cover for laboureres and third party also First Aid facility. Nothing extra shall be paid on any account.) Note: Before start of Dismantling of Tower the agency has to submitt the List of unavailable /missing members of the tower(to be dismantaled) to the Engineer-In-Charge)	1.00	Job	80180.00	One Job	80180.00
	Note:- The weight of Tower material weighed on weigh bridge shall be considered for payment as per direction of Engineer in Charge Nothing extra will be paid on any account and complete responsibility rests on work executing Agency.					
5	Transportation of Tower materials such as galvanised iron members of angle, channels, welded lugs, platform, ladders, nuts & bolts etc. from any place as intimated by the Engineer-in- charge including loading unloading and stacking and keeping in safe custody of the incharge of the BSNL store Bhandara all complete as directed by Engineer-in-Charge.(Transportation of tower materials from 40m GBT tower site at Chichal in Pauni SDCA to BSNL Civil Store Admin Compound Bhandara. Nothing shall be paid extra in this item)					

	5.1) Lead upto 20 Kms	10.50	MT	881.18	One Metric Tonne	9252.00
	5.2) Beyond 20 Km Lead	420.00	MT KM	17.47	Per Metric Tonne Per Kilometre	7337.00
6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	5.00	Cum	208.26	One Cubic Metre	1041.00

TOTAL

1,11,080.00

Estimated Cost	Rs 1,11,080.00
Percentage to be quoted by tenderer while submitting the online bid on website only.	%
Above/ Below	Above/Below

Note: - Contractor must ensure to quote percentage up to two decimal above/ below the estimated cost put to tender.

CONTRACTOR

EXECUTIVE ENGINEER