



BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

Name of the work:	Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA. SH: C/o 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.
NIT No:	55 /EEC/BSNL/NGP/2024-25
Name of the Contractor:	
Last date and time of submission of bid:	Date 11/10/2024 up to 18:00 Hrs.
Last date of submission of physical documents such as EMD, cost of bid document and other documents	Date 14/10/2024 up to 15:00 Hrs.
Time & date of opening of physical documents	Date 14/10/2024 at 15:30 Hrs.
Time & date of opening of bid:	Date 16/10/2024 at 1100 Hrs.
Cost of bid document:	Rs 590.00 (Rs Five Hundred Ninety Only) including 9% CGST and 9% SGST Non- refundable
EMD	Rs. 24,280/- (Rs Twenty Four Thousand Two Hundred Eighty Only)
Estimated Cost put to tender	Rs. 12,13,516/- (Rupees Twelve Lac Thirteen Thousand Five Hundred Forty Six only)

Certified that this tender document contains 65 Pages.

To be submitted only online on website: <https://etenders.gov.in> By 18.00 Hrs on 11/10/2024

Executive Engineer (Civil)
BSNL Civil Division
Nagpur

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GENERAL INSTRUCTIONS TO TENDERERS

1. The cost of Bid document (Non-refundable, amount mentioned in BSNL W-6 of tender document) will have to be deposited by the tenderer in the form of Bank draft/ Pay order or Banker's cheque of a scheduled bank issued in favor of **Accounts Officer (Cash), BSNL, PGMTD, Nagpur', .and payable at Nagpur** in the manner prescribed in BSNL W-6. This should be submitted as a separate demand draft. A single demand draft for the cost of bid document and Earnest money deposit will not be accepted. Tender not accompanied with the demand draft towards the cost of bid document will be summarily rejected.
2. The Earnest money deposit required for the work as stipulated in the BSNL W-6/W-7 of the tender document also to be submitted separately failing which the tender will be summarily rejected.
3. Master copy of the tender document is available in the **O/o Executive Engineer, BSNL Civil Division Nagpur**. After award of work, agreement will be prepared based on the master copy of tender document stated above. **In case any discrepancy between tender document and master copy, later shall prevail and will be binding on the tenderer(s). No claim on this account will be entertained.**
4. In case of any doubt in the tender, the same should be got clarified from the concerned Executive Engineer before submitting the tender.
5. The tender will not be opened in case cost of tender document is not submitted and / or EMD is not submitted and/or the tenderer is not eligible based on the credentials submitted by the tenderer. In any case, cost of tender document will not be refunded.
6. Originals of all the credentials shall be produced by the tenderer as and when asked by the concerned Executive Engineer. In case of failure to produce the originals, the tender will not be considered and EMD will be forfeited.

DECLARATIONS TO BE GIVEN BY THE TENDERERS

It is to certify that

a) I/we have gone through BSNL W-8 amended up to correction Slip No. 6 as available on website www.maharashtra.bsnl.co.in or in the office of Executive Engineer(C), BSNL Civil Division Nagpur and I / We agree with the terms and conditions of it and understood that it will form part of the agreement.

Date: -

Signature of the Tenderer

b) "I,..... S/o Shri resident of hereby certify that none of my relative (s) as defined in para 14 of BSNL W-6 is/are employed in BSNL Maharashtra East 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".

NOTE: - (To be certified by all the partners in case of partnership firms, by all the directors in case of companies).

Date: -

Signature of the Tenderer

1. Other partners

2. Sri _____ s/o Sri _____ signature:

3. Sri _____ s/o Sri _____ signature:

4. Sri _____ s/o Sri _____ signature:

c) I/we hereby certify that the individual/ sole proprietorship firm/ partnership firm/ Company is not black listed by the GST authorities for poor compliance or for any other reason whatsoever.

Date: -

Signature of the Tenderer

d) If I/we do not submit the physical documents/ Technical bid consequently 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.

Date: -

Signature of the Tenderer

e) If I/we back out or withdraws my/our tender within tender validity period or failed commence the work within the stipulated time, then,i/we will be debarred from tendering/ participating in BSNL tendering for period of One year.

Date: -

Signature of the Tenderer

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING

1.0 The Executive Engineer(Civil), Bharat Sanchar Nigam Limited, Civil Division Civil Division 4th Floor Telecom Bhavan, Zero Miles, Civil Lines, Nagpur-440001 invites for and on behalf of Bharat Sanchar Nigam Limited percentage rate **e-tenders**, on single bid system, for the following work from approved and eligible contractors of BSNL, DOT, DOP, CPWD, MES and Railways. Approved and eligible contractors of Maharashtra state PWD and its other allied departments are also eligible provided their registration makes them eligible to tender in the Maharashtra state PWD for building and road works. The Central Government/ State Government undertakings shall also be eligible for tendering.

The enlistment of the contractors should be valid on the last date of submission of bids.

In case the last date of submission of bids is extended, the enlistment of the contractors should be valid on the original last date of submission of bids:-

S.N	NIT No.	Name of Work	Estimated cost put to Tender (Rs.)	EMD	Time Allowed for completion	Last date & time of submission of bid	Last date of submission of physical documents such as EMD, cost of bid document and other documents	Time & date of opening of physical documents	Time & date of opening of bid
01	NIT No. 55/EEC/BSNL/NGP/2024-25	Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA. SH: C/o 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.	Rs. 12,13,516/- (Rupees Twelve Lac Thirteen Thousand Five Hundred Sixteen only)	Rs. 24,280/- (Rs Twenty Four Thousand Two Hundred Eighty Only)	03 (Three) Months	11/10/2024 upto 18.00 Hrs	14/10/2024 upto 15.00 Hrs	14/10/2024 Upto 15.30 Hrs	16/10/2024 Upto 11.00 Hrs

Note: All intending bidders are mandatorily required to have GST registration and registration with the EPFO & ESIC. The Contractors shall also submit attested copy of valid registration certificate with GST, and EPF authorities, while applying for participation in the tender. Contractors without valid GST registration and EPF & ESIC Registration or those black listed by GST authorities are not eligible to submit bids.

1.1 The intending bidders must read the terms and conditions of the BSNL W-6 carefully which can be assessed from the website [www.maharashtra.bsnl.co.in/ tenders](http://www.maharashtra.bsnl.co.in/tenders). He should submit his bid only if he considers himself eligible and if he is in possession of all the required documents.

1.2 Information and instructions for Contractors shall form part of the bid document.

1.3 Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of the contract to be complied with by the

Contractor whose tender may be accepted and other necessary documents, can either be down loaded from the BSNL website www.maharashtra.bsnl.co.in/tenders or www.etender.gov.in or may be seen in the office of the Executive Engineer(Civil), BSNL Civil Division 4th Floor Telecom Bhavan, Zero Miles, Civil Lines Nagpur 440001 between 1100 hours & 1600 hours from date **28/09/2024** to date **10/10/2024** every day except on Sundays and Public Holidays

1.4 For e-tendering of this tender BSNL has engaged e-portal maintained by M/s NIC @ website www.etender.gov.in. The bidders intending to participate in the tendering process shall have to register with them. For any further query regarding uploading/ downloading, **Helpdesk of NIC may be contacted.**

1.5 But the bid documents can only be submitted online after uploading **scanned documents** such as proof of their valid enlistment with the appropriate authority, proof of their valid GST registration, proof of their valid EPF registration & ESIC registration, Demand Draft/ Pay Order or Banker's cheque of a scheduled bank towards cost of bid document drawn in favour **Accounts Officer (Cash), BSNL, PGMTD, Nagpur and payable at Nagpur only**, the required work experience in case not registered with BSNL, self-declarations specified on page 4 of this NIT and other documents as specified. **Proof of required work experience and valid enlistment shall be in accordance to the provisions of the Clauses 1.2.1, 1.2.1.1, 1.2.1.2 & 1.2.1.2.1 to 1.2.1.2.3 of BSNL W-6.**

1.6 Those contractors not registered on the website mentioned above, are required to get themselves registered beforehand. If needed they can be imparted training on online bidding process.

1.7 The intending bidders must have **Class-III or specified grade** digital signature to submit the bid online.

1.8 On opening date the bidder can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.

1.9 Bidding process is only through e-tendering platform. Therefore, physical copy of the tender document would not be available for sale. Contractor can upload documents in the form of JPG or pdf format or in any other format as admissible by the e-tendering platform.

2.0 Contractor must ensure to quote item rates against all the items of the schedule. If a cell is left blank and no item rate is quoted by the bidder against any item, that item's quoted rate shall be treated as "0" (zero).

2.1 List of documents to be scanned and uploaded within the period of bid submission:

- (i) Valid enlistment with the appropriate authority.
- (ii) Valid GST registration.
- (iii) Valid EPF registration.
- (iv) Valid ESIC Registration
- (iv) Demand Draft/ Pay Order or Banker's cheque of a scheduled bank towards cost of bid document.
- (v) Certificates of work experience. **The experience certificate shall clearly indicate satisfactory completion of the similar work along with value of work done and date of completion and shall be issued by authorized signatory/authority not below the rank of executive engineer and shall be either in original or attested. (Applicable for the Contractors not enlisted with BSNL)**
- (vi) Self declarations specified on page 4 of the NIT.
- (viii) PAN card of the bidder.
- (IX) Demand Draft/ Pay Order or Banker's cheque / Fixed Deposit Receipt of a scheduled bank towards cost of EMD.

BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)
O/o Executive Engineer (Civil), BSNL Civil Division,
4th Floor Telecom Bhavan, Zero Miles, Civil Lines Nagpur 440001

NOTICE INVITING TENDER

NIT No 55/EEC/BSNL/NGP/2024-25

*** Dated 27.09.2024**

The Executive Engineer(Civil), Bharat Sanchar Nigam Limited, Civil Division 4th Floor Telecom Bhavan, 2.0 Zero Miles, Civil Lines Nagpur 440001 invites for and on behalf of Bharat Sanchar Nigam Limited percentage rate e-tenders, on single bid system, for the following work from approved and eligible contractors of BSNL, DOT, DOP, CPWD, MES and Railways. Approved and eligible contractors of Maharashtra state PWD and its other allied departments are also eligible provided their registration makes them eligible to tender in the Maharashtra state PWD for building and road works. The Central Government/ State Government undertakings shall also be eligible for tendering.

The enlistment of the contractors should be valid on the last date of submission of bids.

In case the last date of submission of bids is extended, the enlistment of the contractors should be valid on the original last date of submission of bids:-

Note: All intending bidders are mandatorily required to have GST registration and registration with the EPFO& ESIC. The Contractors shall also submit attested copy of valid registration certificate with GST and EPF authorities & ESIC authorities, while applying for participation in the tender. Contractors without valid GST and EPF & ESIC registration or those black listed by GST authorities are not eligible to submit bids.

Rules of enlistment of Contractor in BSNL 2016 are applicable.

Name of Work: Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA. SH: C/o 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.

1.1The work is estimated to **Rs. 12,13,516/- (Rupees Twelve Lac Thirteen Thousand Five Hundred Sixteen only)** This estimate, however, is merely a rough guide.

1.2**Submission of eligibility documents:** Tenderers can submit online bid after uploading **scanned documents** such as proof of their valid enlistment with the appropriate authority, proof of their valid GST registration, proof of their valid EPF registration& ESIC registration, Demand Draft/ Pay Order or Banker's cheque of a scheduled bank towards cost of bid document and EMD drawn in favour of **Accounts Officer (Cash), BSNL, PGMTD, Nagpur and payable at Nagpur only**, the required work experience in case not registered with BSNL, self-declarations specified on page 4 of this NIT and other documents as specified. **Proof for required work experience and valid enlistment shall be in accordance to the provisions of Clauses 1.2.1, 1.2.1.1, 1.2.1.2 & 1.2.1.2.1 to 1.2.1.2.3.**

However, original separate instruments of EMD & Cost of bid documents, original self-declarations specified on page 4 of the NIT, attested copies of valid enlistment orders, attested copy of

valid GST registration, attested copy of valid EPF registration & **ESIC Registration**, attested copies of certificates of work experience, attested PAN card and other documents, as specified, shall be placed in a wax/ adhesive tape sealed envelope superscripted as "Cost of bid document and Eligibility credentials". The envelope shall be superscripted with following data on it:

- (i) Name of work.
- (ii) Name of the Tenderer.
- (iii) Due date of opening of the bid.

e-Tenders will be opened in respect of eligible contractors provided they submit documents/ instruments listed in Para 2.1 of "Information and instructions for Contractors for e-tendering". The above stated envelop shall be submitted in the office of the Executive Engineer after the last date and time of submission of the bid upto 15:00 hrs on 14/10/2024. The documents so submitted shall be opened on the same day at 15:30 hrs.

1.2.1 Criteria of eligibility for submission of tender documents for non-BSNL registered contractors of Public works organizations like CPWD, State PWD, DOT, DOP, MES , Railways is:-

1.2.1.1 For works upto Rs. 7 Lakhs - Nil

1.2.1.2 For works above Rs. 7 lakhs and upto Rs. 5 Crore and all specialized works irrespective of its cost, the applicant should have successfully completed similar works as per details below during the last seven years ending last day of the month previous to one in which the tenders are invited:-

- a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost put to tender.
- Or
- b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost put to tender.
- Or
- c) One similar completed work costing not less than the amount equal to 80% of the estimated cost put to tender.

1.2.1.2.1 For the purpose of this clause 'similar works' means construction of telecommunication Tower or alike tower's foundations and its erection.

Note: The rounding off of the percentage of the estimated cost of work in respect of work experience will be considered to the next multiple of rupees one hundred only.

1.2.1.2.2 The experience certificate shall clearly indicate satisfactory completion of the similar work along with value of work done and date of completion and shall be issued by authorized signatory/authority not below the rank of executive engineer and shall be in original or attested.

1.2.1.2.3 Non-BSNL registered contractors registered with CPWD/ State PWD/ DOT/ DOP/ MES & Railways shall submit original/attested copy of valid enlistment of appropriate category.

1.2.2 Criteria for specialized works irrespective of its cost, (For BSNL enlisted Contractors or otherwise) the applicants 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 tenders are invited.

- a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost put to tender.
- Or

b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost put to tender.

Or

c) One similar completed work costing not less than the amount equal to 80% of the estimated cost put to tender.

2.0 Agreement shall be drawn with the successful tenderer on the prescribed Form No. BSNL W-7/8 with GCC 2006 with upto date correction slips, which are available as a BSNL Publication on BSNL Web site [www.maharashtra.bsnl.co.in/ tenders](http://www.maharashtra.bsnl.co.in/tenders). Tenderer shall quote his rates as per various terms and conditions of the said forms, which will form part of the agreement.

3.0 The time allowed for carrying out the works will be **03 (Three) Months** from the 7th day after the date of issue of letter of award of work or from the first day of handing over of the site, whichever is later, in accordance with phasing, if any, indicated in the Tender Document.

4.0 The site for the *work is / shall be made* available.

5.0 Bid documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of the contract to be complied with by the Contractor whose tender may be accepted and other necessary documents, can either be down loaded from the BSNL website [www.maharashtra.bsnl.co.in/ tenders](http://www.maharashtra.bsnl.co.in/tenders) or may be seen in the office of the Executive Engineer(Civil), BSNL Civil Division 4th Floor Telecom Bhavan, Zero Miles, Civil Lines, Nagpur-440001 between 1100 hours & 1600 hours from date 28/09/2024 to date 10/10/2024 every day except on Sundays and Public Holidays.

6.0 After submission of the bid the Contractor can re-submit revised bid any number of times but before last time and date of submission notified. While submitting the revised bid the Contractor can revise the quoted rate of one or more items any number of times (he need not re-enter rate of all items) but before last date and time of submission notified.

7.0

- i) **Cost of bid document: Rs590.00 (Rs Five Hundred Ninety Only)** only (including 9 % CGST and 9 % SGST) as cost of bid document (Non- refundable) in the form of Demand Draft/ Pay Order or Banker's cheque of a scheduled bank drawn in favour **Accounts Officer (Cash), BSNL, PGMTD, Nagpur and payable at Nagpur only.**
- ii) **Earnest Money of Rs. 24,280/- (Rs Twenty Four Thousand Two Hundred Eighty Only) in the form of Demand draft/Pay order or Banker's cheque or FDR of a scheduled bank drawn in favour Accounts Officer (Cash), BSNL, PGMTD, Nagpur and payable at Nagpur only**
- iii) **e-tender processing fee:** If any, as applicable, shall be payable to the e platform vendor through their e-gateway through prescribed digital payment modes.

8.0 Online bid documents submitted by the intending bidders shall be opened in respect of only those bidders who have deposited e-tender processing fee, if any, and whose Earnest money deposit, cost of bid document and other eligibility documents, scanned and uploaded on website and submitted in physical form in the office of Executive Engineer (Civil), BSNL Civil Division Nagpur are found in order. The online bids of the eligible bidders shall be opened at **11:00** hours on **16/10/2024**.

9.0 The bid submitted shall become invalid and cost of bid & e-tender processing fee shall not be refunded if:

- i) The bidder is found ineligible.**
- ii) The bidder does not upload all the documents as stipulated in the bid document.**
- iii) 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 the 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 as per extant rules.

10.0 The description of the work is as follows: -

11.0 Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA. SH: C/o 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.

12.0 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

12.0 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 and plants, water, electricity, access facilities for workers and on 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.

13.0 The competent authority on behalf of Bharat Sanchar Nigam Limited does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.

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

15.0 The competent authority on behalf of the Bharat Sanchar Nigam Limited reserves with himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

16.0 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) is/are posted in any capacity either non-executive or executive employee. Near relative(s) for this purpose is/are defined as:

- (i) Member of Hindu Undivided family (HUF).
- (ii) They are Husband and Wife.
- (iii) The one is related to other in the manner as father, mother, son(s) and 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 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.

17.0 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 Govt. service, without previous permission of the Govt. 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 Govt. of India/ State Government or PSU's as aforesaid before submission of the tender or engagement in the contractor's service.

18.0 The tender for the work shall remain open for acceptance for a period of **60 (Sixty) days** from the date of **opening of the tenders**. If any tenderer withdraws his 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 **debar from tendering in BSNL for One year** as aforesaid.

19.0 In case of works having estimated cost put to tender 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 he will be **debarred from tendering in BSNL for One year** and tender cancelled.

In case of works having estimated cost put to tender of Rs. 15,00,000/- and above, the successful tenderer shall, upon issue of letter of acceptance of Tender, shall be required to furnish irrevocable Performance Guarantee **of 5%** of the tendered amount, in the form of fixed deposit receipts or irrevocable Bank Guarantee, of requisite amount, of any scheduled bank or the state bank of India, 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, **BSNL shall be at liberty to forfeit the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.**

20.0 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 favour of successful tenderer/ contractor. After submission of 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:

a) 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.

b) Standard BSNL W-7/8 as on website www.civil.bsnl.co.in in tender notice section of www.maharashtra.bsnl.co.in

c) Agreement signed on non-judicial stamp paper as per Proforma annexed to the tender document.

21.0 Payment to the contractors shall be made through e-payment System like ECS & EFT only.

22.0 First running account bill shall be paid only after:

a) 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.

23.0 If a contractor does not submit the physical bid documents/ 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 a period of Six months.

24.0 General conditions and contract for works in BHARAT SANCHAR NIGAM LIMITED are available on website www.maharashtra.bsnl.co.in as well as in the Divisional/ Sub Divisional office.

25.0 The Goods and service tax, hereinafter referred to as GST, has been implemented by the Government of India with effect from 1st July 2017. Therefore, "**PARTICULAR SPECIFICATIONS AND SPECIAL CONDITIONS FOR COMPLYING WITH THE GST LAW WHICH HAS COME INTO FORCE WITH EFFECT FROM 01/07/2017**" forming part of the tender document shall apply with respect to GST related issues. These provisions will override the service tax provisions wherever mentioned in the NIT or GCC or the agreement.

26.0 For redressal of any complaints following officers may be contacted:

1. CGMT, Maharashtra Circle.

The Chief General Manager Telecom, Maharashtra Circle, Administrative building, A-wing, 2nd Floor, JuhuDanda Road, Santacruz (W), Mumbai-400054. Tel: 022-26616999, Fax: 022-26616777.

2. DGM (Vigilance), Maharashtra Circle.

The DGM(Vigilance) O/o The Chief General Manager Telecom, Maharashtra Circle, Administrative building, A-wing, 2nd Floor, JuhuDanda Road, Santacruz (W), Mumbai-400054. Tel: 022-26616715, Fax: 022-26615774.

3. Executive Engineer (Civil), BSNL Civil Division Nagpur.

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

Executive Engineer (Civil)

BSNL Civil Division Nagpur.

For and on behalf of Bharat Sanchar Nigam Limited

BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

STATE	Maharashtra	CIRCLE	BSNL Civil Circle Nagpur
ZONE	BSNL Maharashtra Civil zone	DIVISION	BSNL Civil Division Nagpur
		Sub Division	BSNL Civil Sub Division Chandrapur

Item Rate Tender and Contract for Works

Name of work: **Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA. SH: C/o 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.**

(i) Bid along with the scanned copies of eligibility documents/ cost of bid document/ EMD/ self-declarations etc is to be submitted online by **18:00 hours** on dtd **11/10/2024** Original instruments of EMD & Cost of bid documents, original self- declarations specified on page 4 of the NIT, attested copies of eligibility credentials are to be submitted in wax/ adhesive tape sealed envelope in the office of the Executive Engineer, BSNL Civil Division Nagpur by **15:00 hours** on dtd **14/10/2024** Copies of bid documents shall be opened at **15:30 hours** on dtd **14/10/2024**.

(ii) Bids of the eligible tenderers to be opened in the presence of tenderers who may be present at **11:00 hours** on dtd **16/10/2024** in the office of Executive Engineer, BSNL Civil Division *Nagpur.

TENDER

I/We have read and examined Notice Inviting Tender, Schedule A, B, C, D, E and F. Specifications applicable, Drawings and Design, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special conditions, Schedule of Rate and other documents and Rules referred to in the Conditions of Contract and all other contents in the Tender Document for the work.

I/We hereby tender for the execution of the work specified for the 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 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 **60 (Sixty) days** from the due date of **opening of tender** 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 BSNL shall without prejudice to right of remedy BSNL shall **be at liberty to forfeit the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.**

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 of BSNL **to forfeit the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.**

I / We agree that, in case of works having estimated cost put to tender exceeding Rs.15,00,000/-, to deposit an amount equal to 5% of Tendered amount of the work as irrevocable performance guarantee in the form of irrevocable Bank Guarantee of any Scheduled Bank of India or the state bank of India in accordance with the proforma prescribed or in the form of Fixed Deposit Receipt of any scheduled bank or the state bank of India 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, BSNLs shall **be at liberty to forfeit the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.**

I/We hereby intimate that for receiving payments I/We have an account in _____ Bank with account No. _____ where the ECS / EFT 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 therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

I/We agree that should I/We fail to commence the work specified in the above memorandum, BSNL will be at liberty to **debar I/us from tendering in BSNL for One year.**

"I/We agree that this contract is subject to jurisdiction of court at **Nagpur** only." (Where the NIT/ Tender has been issued)

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

Dated.....

Witness: (_____)

Signature of Contractor:

Address:

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.

Signature _____

Dated _____

Name & Designation _____

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)

It is to certify that

- a) I /we have gone through BSNL W-8 amended up to correction Slip No. 6 as available on website www.maharashtra.bsnl.co.in or in the office of Executive Engineer(C),BSNL Civil Division Nagpur and I / We agree with the terms and conditions of it and understood that it will form part of the agreement.

Date: -

Signature of the Tenderer

- b) "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".

Date: -

Signature of the Tenderer

- C) If I/we back out or withdraws my/our tender within tender validity period or failed commence the work within the stipulated time, then, i/we will be debarred from tendering/ participating in BSNL tendering for period of One year.

Date: -

Signature of the Tenderer

PROFORMA OF SCHEDULES				
SCHEDULE "A"				
"Schedule of Quantities (as per PWD-3)" - Enclosed				
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				
Note: The rates at which the material shall be issued to the contractor are inclusive of 5% as storage charges.				
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	
DELETED				
SCHEDULE "D"				
"Extra schedule for specific requirement/ documents for the work. If any" -"Additional conditions" attached as Schedule – D (Part A), "Special conditions attached as Schedule – D (Part B),"Additional & Particular Specifications" attached as Schedule-D (Part C) "Additional specifications" attached as Schedule- D (Part D),, and "Particular Specifications and special conditions for complying with the GST law which has come into force with effect from 01/07/2017".				
SCHEDULE "E"				
Schedule of component of Materials, Labour etc for escalation				
CLAUSE 10 C				
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	Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA. SH: C/o 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.			
Estimated cost put to tender of Work	Rs. 12,13,516/- (Rupees Twelve Lac Thirteen Thousand Five Hundred Sixteen only)			
Earnest Money (As Para 6 of BSNL W-6)	Rs. 24,280/- (Rs Twenty Four Thousand Two Hundred Eighty Only)			
Performance Guarantee	Rs. *****./- (Rupees... *****) only			

(5% of the tendered value in the form of Bank Guarantee or FDR of any Schedule Bank in respect of works with Estimated cost put to tender exceeding Rs. 15 Lakhs)	
Security Deposit (10% of the tendered value for works with Estimated Cost put to tender upto Rs. 15 Lakhs) (5% of the tendered value in respect of works with Estimated cost put to tender exceeding Rs. 15 Lakhs)	Rs. *****./- (Rupees... *****) only
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) Engineer-in charge	Executive Engineer, BSNL Civil Division, Nagpur*
2(viii) Accepting Authority	Superintending Engineer(C)/ Joint Chief Engineer (C)/ Additional Chief Engineer (C), BSNL Civil Circle, Nagpur as the case may be.
2(x) Percentage on cost of materials and Labour to cover all overheads and profit	10 %
2(xi) Standard Schedule of Rates	Delhi Schedule of Rates- 2023 published by CPWD with upto date correction slips.
9(ii) Standard BSNL Contract Form	BSNL W-7/8 form as modified and corrected up-to-date vide correction slip no.upto6.
Clause 2	
Authority for fixing compensation under Clause 2	Superintending Engineer(C)/ Joint Chief Engineer (C)/ Additional Chief Engineer (C), BSNL Civil Circle, Nagpur as the case may be.
Clause 2A	
Whether Clause 2A shall be applicable	Yes
Clause 3A	
Whether Clause 3A shall be applicable	Yes, Applicable
Clause 5	
i) Time allowed for execution of work.	03 (Three) Months
ii) Authority to give fair and reasonable extension of time for completion of work.	Superintending Engineer(C)/ Joint Chief Engineer(C)/ Additional Chief Engineer(C), BSNL Civil Circle, Nagpur, as the case may be.
Clause 6A	
Whether Clause 6A shall be applicable	Applicable
Clause 7	
Gross value of work to be done together with net payment /adjustment of advances for materials	Rs 7,00,000/-

collected, if any, since the last such payment for being eligible for interim payment.		
Clause 10		
Reinforcement steel and Cement to be used in the work shall have to be procured from :		TMT bars Manufactured by primary producers with ISI mark as approved by the Engineer in Charge. Grey Cement OPC of 43 grade to be used in work conforming to relevant BIS code from reputed producers such as ACC, Ultratech, Vikram, Shree cement, Ambuja, Jaypee cement, Century cement & JK cement.
Clause 10 CA		
Whether Clause 10 CA shall be applicable		Not Applicable
Clause 11		
Specification to be followed for execution of work.		CPWD Specifications 2019 Volume I to II with up to date correction slips as on the date of opening of tenders and/or item specification, as applicable.
Clause 12		
12.2 & 12.3	Limit for value of any item of any individual trade beyond which 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/ Joint Chief Engineer/ Additional Chief Engineer, BSNL Civil Circle Nagpur, as the case may be.
Clause 36(i)		
a)	General guideline for fixing requirement of technical staff and rate of recovery in case of non-compliance, for the work shall be as per the following table:	
i)	Cost of work more than Rs. 10 lakhs but less than Rs. 50 lakhs.	One no. Graduate Civil Engineer with or without experience or one no. diploma Civil Engineer with at least 05(five) years of experience as Principal Technical Representative.
ii)	Cost of work Rs. 50 lakhs & above but less than Rs. 200 lakhs.	One no. Graduate Civil Engineer with at least 05(five) years of experience as Principal Technical Representative.
iii)	Cost of work Rs. 200 lakhs & above but less than Rs. 500 lakhs.	One no. Graduate Civil Engineer with at least 05(five) years of experience as Principal Technical Representative and One no. Graduate Civil Engineer with or without experience or one no. diploma Civil Engineer with at least 05(five) years of experience as Technical Representative.
iv)	Cost of work Rs. 500 lakhs & above but less than Rs. 1000 lakhs.	One no. Graduate Civil Engineer with at least 05(five) years of experience as Principal Technical Representative and Two nos. Graduate Civil Engineer with or without experience or two nos. diploma Civil Engineer with at least 05(five) years of experience as Technical Representatives.
v)	Cost of work Rs. 1000 lakhs and above.	One no. Project manager having degree in corresponding degree of Engineering with at least 10(Ten) years of experience as Principal Technical Representative.

		and One no. Graduate Civil Engineer with at least 05(five) years of experience as Principal Technical Represent. and Two nos. Graduate Civil Engineer with or without experience or two nos. diploma Civil Engineer with at least 05(five) years of experience as Technical Representatives.
b)	Recovery to be affected from the contractor in the event of not fulfilling the provisions of clause 36(i).	Rs 20,000/- per month for Project manager having degree in corresponding degree of Engineering with at least 10(Ten) years of experience. Rs. 15,000/- per month for Graduate Civil Engineer with at least 05(five) years of experience. Rs. 10,000/- per month for Graduate Civil Engineer with or without experience or for diploma Civil Engineer with at least 05(five) years of experience.
Clause 37(i)		
a	Extent of Service Tax payable by contractor for Building and Construction work.	Not applicable in view of coming into force of GST law w.e.f. 01/07/2017.
Clause 42		
i) (a)	Schedule/ statement for determining theoretical quantities of Cement, Steel on the basis of Delhi Schedule of Rates 2023 published by CPWD with upto date correction slips.	
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
Star prices to be considered for Escalation and Recoveries		
S 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(a).	For Mild steel	Not Applicable.
2(b).	For reinforcement Steel conforming to BIS 1786 (Fe 415 Grade)	Not Applicable.
2(c).	For reinforcement Steel TMT Bars of all diameters – Primary producers having BIS license.	Rs. 77,000.00 (Rupees seventy seven Thousand) only Per Metric Tonne.
2(d)	For Galvanized Structural Steel sections	Rs 101.00 (Rupees one hundred one only) per kg

Note:-

1. The rate for recovery under clause 42 shall be same as the star price.

2. In case contractor is permitted to use TMT reinforcement bars procured from ISPs or secondary producers the star price of TMT bars as stipulated in the table above shall be reduced by Rs 8600/- per metric tonne.

3. The rate of providing & laying TMT bars as quoted by the contractor in tender shall also be reduced by Rs. 9.46 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 Civil Division Nagpur**

SCHEDULE D (PART A)

ADDITIONAL CONDITIONS:

1.0 GENERAL

- i) **The quoted rates for various items in the tender shall be inclusive of the cost of compliance to all the “additional conditions”, “additional specifications”, “additional and particular specifications” and “Particular Specifications and special conditions for complying with the GST law which has come into force with effect from 01/07/2017 specified in the tender”. No extra payment shall be made to the Contractor For adherence to all these above stated conditions and specifications.**
- ii) The intending tenderers shall note that the work is of urgent nature and is to be positively completed within the stipulated period. Therefore, only those Contractors who are confident and capable of carrying out the work within the stipulated period should apply for the work.
- To ensure good progress, the contractor shall submit a program within three (3) days to the Engineer-in-charge for completing the work within the stipulated period for work Order. Due to the urgency of the work, failure to commence the work within seven days of handing over of site would make the Contractor liable to action under the relevant clause(s) of the agreement. The Engineer-in-charge shall at his discretion have the authority to cancel the work and get the work executed by any other alternate means for which no claim shall be entertained from the contractor.
- However, if the commencement of the work is held up on account of reasons beyond his control, it shall be the sole responsibility of the contractor to bring the matter to the notice of the Engineer-in-charge and obtain permission in writing for delay in commencement of the work.
- iii) The tenderers shall take into consideration the Drawings and Specifications and quote the rates accordingly. The quoted rates shall be comprehensive and complete including all charges such as Insurance, transportation, taxes/ levies/cess other than the GST fixed by the Central/State Government, permissions and approvals etc. **Nothing extra shall be payable over the quoted rates except GST.**
- iv) It is likely that the work shall be executed in restricted areas and therefore a few restrictions may be in force for security/ safety purposes. The contractor shall be bound to follow all such restrictions and nothing extra shall be payable. **The tenderers shall make necessary enquiries relating to such instructions before quoting their rates and nothing extra will be payable on this account.**
- v) No departmental materials shall be issued to the contractor for the work. The Contractor shall arrange himself all materials conforming to prescribed specifications from specified sources, if any.
- vi) All materials which are to be tested for use in the work shall be procured well in advance so that enough time is available for testing and approval of these materials by the Engineer-in-charge. The civil work shall be in general be carried out in accordance with CPWD Specifications 2019 Volume I to II with up to date correction slips.
- vii) **Construction Workers Welfare Cess:** Cess under building and other construction worker’s welfare cess Act 1996 and building and other construction works cess rules notwithstanding anything contained in this contract, cess at the rate stipulated under Clause 3(1) of the Building and other construction worker’s welfare cess act 1996, shall be recovered from the gross amount of the bill/bills payable under this contract.

3.0 PAYMENTS

- 2.1 The quoted rates shall be inclusive of all taxes/ levies/ cess etc.exceptGoods and service tax (GST). Nothing extra shall be paid to the contractor except GST.**
- 2.2 On acceptance of the tender, the contractor shall submit the Performance Guarantee as detailed in clause '1' of the general conditions of the contract for the complete tendered amount.
- 2.3 Clause 10CA will be not applicable.
- 2.4 Clause 2A, 6A & 10C of "BSNL General Conditions of Contract for civil works 2006" with upto date correction slips shall not be applicable.
- 3.0**In case of any change in the telephone numbers, address of the contractor, the same shall be immediately (within 02 days) intimated to all concerned in writing by the contractor.
- 4.0 In case of discrepancy in the provision of these conditions and any other condition, the provision of the special conditions will prevail.

SCHEDULE D(PART B)
SPECIAL CONDITIONS

General: The quoted rates for various items in the tender shall be inclusive of the cost of compliance to all the “additional conditions”, “special conditions”, “additional specifications”, “additional and particular specifications” and “Particular Specifications and special conditions for complying with the GST law which has come into force with effect from 01/07/2017 specified in the tender”. No extra payment shall be made to the Contractor For adherence to all these above stated conditions and specifications.

SPECIAL CONDITIONS:

1. Quoted rates for every item of work to be done shall be for all heights, depth, lifts, leads, length and widths, except where specially mentioned in the item) and nothing extra shall be paid on this account.
2. The contractor shall comply with the proper and legal orders and directions of the local body 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 paid on this account. **This however does not include the charges payable to the local bodies for obtaining permissions for execution of works.** The work shall be carried out without infringing on any of the local municipal bye laws.
3. 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 and plants, water, electricity, access facilities for workers and on 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 local conditions and other factors having a bearing on the execution of the work.
4. It shall be the responsibility of the contractor to obtain all the required permissions from the local authorities/ bodies for executing the work. The work shall be carried out only after obtaining the required permissions. The contractor shall be required to keep day to day liaison with the respective authorities for carrying out the work. Some restrictions may be imposed by the local bodies or traffic police etc. on the working and/ or on the movement/ stacking of materials and/or on the movement of labour and the Contractor shall be bound to follow all such restrictions/ instructions and nothing extra shall be paid on this account. It shall be agreed term of the contract that in case of any delays in obtaining the required permissions from the local bodies/ authorities, for any reason whatsoever, the contractor shall not be entitled to any compensation.
5. Contractor shall be required to keep close liaison with the various local authorities to gather information on the existing underground utilities such as waterlines, drainage, sewage lines, electrical and telephone cables etc. and shall take full care to avoid any damages to these underground utilities during progress of the work. In the event of any damage to the underground utilities the contractor shall either repair and restore the service at his own cost, to the entire

satisfaction of the Department controlling the service or pay the cost of repair/restoration of such underground service to the concerned department, as assessed by them. In case of failure to do so the amount, as evaluated by the concerned department, shall be recovered from his bills. The decision of the Engineer-in-Charge about the mode and the amount payable as compensation to the concerned department of such repair and restoration shall be final and binding.

6. Most of the work shall involve excavation etc on corridors where factories, residential buildings, shops and other establishments are located near to the work area. During progress of the work the contractor shall therefore take abundant precautions at his own cost to ensure that the access to these establishments is not hindered. The contractor shall be fully responsible for taking all the requisite precautions to avoid all accidents by exhibiting caution boards such as day and night boards, speed limit boards and flags, red lights and providing barriers etc. He shall also take all precautions for the protection of the work, adjacent properties, utility services and other similar establishments. He shall be held responsible for all the damages and accidents caused due to negligence on his part. Nothing extra shall be paid on this account. The contractor shall indemnify the department against any claims of damages arising out of above.
7. The contractor shall be responsible to make all the necessary arrangement for smooth and continuous flow of the vehicular and pedestrian traffic near the work. Nothing extra shall be paid on this account.
8. In case of failure to exercise precautions detailed herein and above, the department shall make its own suitable arrangement for the above precautions solely at the risk and cost of the contractor. However, in such case the contractor shall not be absolved of his responsibilities/obligations as per the terms and conditions of the contract agreement.
9. All material shall be stored at Contractor's premises in such a manner that it would not impair quality and performance of the product.
10. Wherever pneumatic drills or other power driven road breaking device appliances are used, their exhaust shall be fitted with silencing devices and the compressor machine shall be maintained in an efficient condition to avoid undue noise, to the satisfaction of the Engineer-in-Charge, whose decision shall be final and binding.
11. If it is not permitted to erect the huts for labour at the site of work, the contractor will have to make his own arrangement to provide such accommodation elsewhere and nothing extra shall be paid on this account.
12. All materials required for work shall be procured by the contractor at his own cost. However, the Engineer-in-Charge shall make a record of all the receipts and issue of such materials in the register.
13. i) The width and depth of the pit/ trench shall be as per directions of the Engineer-in-charge and may vary from section to section. The work shall be started only after receipt of approved drawings. The width beyond stipulated width may be kept minimum so as to avoid unnecessary excavation and consequential expenditure.

- ii) If during excavation it is found that the sides of the trenches are unstable and the soil condition is loose, the planking, strutting shall be carried out as per the CPWD specifications. The decision of the Engineer-in- Charge regarding the soil condition shall be final and binding.
- iii) If the base of the trench is found unstable due to water logging, seepage etc. water shall be bailed out, with pumps if necessary, to keep dry working condition inside the trench.
- iv) In case sides of the trenches are made of loose soil side shuttering shall be provided as per the CPWD specifications. The decision of the Engineer-in- Charge regarding the soil condition shall be final and binding.

14. **General :**

- i) All the restrictions enforced by the local bodies shall be abided by the Contractor while carrying out the work.
- ii) **Wherever the year of publication of any of the IS Codes mentioned above with the IS Code no. or for that matter anywhere else in the entire tender document including agreement items does not match with the year of its latest publication, the latest code shall have to be followed. In cases where only code no. sans year of publication is mentioned, the latest amended publication shall be followed.**
- iii) **Escalation Clauses 10C & 10CA of GCC -Clause 10 C & 10 CA of the GCC 2006 have been amended by the Correction slips no. 1, 2 & 4. Some of the provisions of the latest amendment in respect of the above stated two nos. of clauses vide correction slip no.4 have become redundant in view of the fact that economic advisor to Govt of India has stopped notifying indexes for Bars and rods (SI & SI_o), for Angles, channels and sections (TI & TI_o) and for zinc (ZI & ZI_o). To the extent of the specification of indexes the following shall apply in this work. All other provisions of correction slip no. 4 in respect of Clause 10 & 10CA other than the indexes shall remain the same and shall apply as specified therein.**
 - (i) **SI** – All india wholesale index for **Mild steel long products** for the period under consideration as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce.
 - (ii) **SI_o**- All india wholesale index for **Mild steel long products** as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce, for the period under consideration and that valid on the last stipulated date of receipt of tender including extension if any.
 - (iii) **TI** – All india wholesale index for **Angles, Channels, Sections, Steel (coated/ not)** for the period under consideration as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce.
 - (iv) **TI_o**- All india wholesale index for **Angles, Channels, Sections, Steel (coated/ not)** as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce, for the period under consideration and that valid on the last stipulated date of receipt of tender including extension if any.
 - (v) **ZI** – All india wholesale index for **Zinc metal/ blocks** for the period under consideration as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce.
 - (vi) **ZI_o**- All india wholesale index for **Zinc metal/ blocks** as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce, for the period under consideration and that valid on the last stipulated date of receipt of tender including extension if any.

SCHEDULE – D (PART C)
ADDITIONAL & PARTICULAR SPECIFICATIONS

GENERAL:

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.

1. The Contractor shall maintain safe custody of materials brought to the site. The Contractor shall also employ necessary watch and ward establishment for the work and other purposes as required at his own cost.

1.1 For Cement and Steel and other materials, as prescribed, the quantities brought at site shall be entered in the respective material at site accounts and shall be treated as issued for maintenance of daily consumption.

2.0 The procurement of Cement and Reinforcement Steel, and, their issue and consumption shall be governed as per conditions laid down hereunder.

2.1 Cement

2.1.1 The contractor shall procure 43 grade (conforming to IS: 1489) **OPC**, as required in the work, from reputed manufactures of cement, having a production capacity of one million tonnes per annum or more, such as ACC, Ultratech, Vikram, Shree cement, Ambuja, Jaypee cement, Century cement & JK cement having license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge. It shall also be procured from reputed manufacturers stated above. Supply of cement shall be taken in 50 kg bags bearing manufacture'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 the 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.

2.1.2 The Cement shall be brought at site in bulk supply of approx 50 tonnes or as decided by the Engineer-in-Charge.

2.1.3 The Cement go-down of the capacity to store about 2000 bags of cement or as decided by Engineer-in-Charge 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 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.

2.1.4 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.
- liBy the Department, if the results show that the cement conforms to relevant BIS codes.

3.0 STEEL

3.1.1. The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of steel. **In case of non-availability of steel from primary producers, the Engineer-in-charge may permit use of TMT reinforcement bars from steel producers having integrated steel plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house and having crude steel capacity of 0.5 million tonne per annum or more. In case of non-availability of steel from primary producers as well as ISPs, the Engineer-in-charge may permit use of TMT reinforcement bars from secondary producers. In such cases following action to be taken:**

- (a) The grade of the steel such as FE 500 D or other grade shall conform to BIS 1786-2008.
- (b) The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786-2008. In addition to BIS license, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo quench to produce TMT bars.
- (c) The TMT bars procured from primary producers and ISPs shall conform to manufacturer's specifications.
- (d) The TMT bars procured from secondary producers shall conform to the specification as laid by Tempcore, Thermex, Evcon Turbo & Turbo quench, as the case may be.
- (e) TMT bars procured either from the primary producers or secondary producers, the specifications shall meet the provisions of IS 1786:2008 pertaining to Fe 500 D grade of steel.
- (f) In case the contractor is permitted to use TMT bars procured from ISPs or secondary producers then:
 1. The star price of TMT bars as stipulated in the table above shall be reduced by Rs. 8600/- per metric tonne.
 2. The rate of providing & laying TMT bars as quoted by the contractor in tender shall also be reduced by Rs. 9.46 per kg (the rate of reduction shall be same as "1" above converted to per kg plus Contractor's profit and overheads as applicable i.e 10%).

(2) 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.

(3) Samples shall also be taken and got tested by the Engineer-in-charge as per provisions in this regard in the relevant BIS codes. In case the test result indicates that the steel arranged by the contractor does not conform to the specifications as defined under Para 3.1.1 (d) & (e) above, the same shall stand rejected and it shall be removed from the site of work by the contractor at his own cost within a week's time from the date of written order from the Engineer-in-charge to do so.

3.1.2. The steel reinforcement shall be brought to the site in quantity of lots as approved by the Engineer-in-charge.

3.1.3. The steel reinforcement shall be stored by the contractor at site of work in such way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes (diameters) and lengths shall be stored separately to facilitate easy counting and checking.

3.1.4. For steel procured from main producers or secondary producer, for checking nominal mass, tensile strength, bend 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 Rs. 2 Crores and when the steel is procured from other than main producers, additional tests such as, retest, re-bend test, elongation test, proof stress may also be conducted.

Size (Diameter) of bar	For consignment	
	Below 100 tonnes	Over 100 tonnes
Under 10mm dia. bars	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10mm to 16 mm dia.	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16mm dia bars	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

3.1.5. The contractor shall supply free of charge the steel bars 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 steel does not conform to relevant BIS codes.
- ii. By the Department, if the results show that the steel conforms to relevant BIS codes.

3.1.6 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 week's 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.

3.2 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 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

3.3 The actual issue and consumption of steel and Cement on the 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.

3.4 Steel and Cement brought to site and remaining unused shall not be removed from site without written permission of the Engineer-in-charge.

3.5 Cement used in ready mix concrete shall be evaluated based on the certification by the in-charge of the RMC plant in accordance with design approved by the Engineer in-charge.

4.0 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.

4.1 Some restrictions may be imposed by the Statutory Authority 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.

4.2 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.

4.3 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.

4.4 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.

4.5 The contractor will work in close liaison, during the works, with other contractors of water supply, sanitary, drainage arrangements, electrical installation and any other works and adjust his work plan accordingly.

5.0 **Other Taxes and Royalties**

5.1 **Income Tax and surcharges over Income Tax** etc. at the rates fixed by the Ministry of finance, Government of India, shall be deducted from all the running and final bills of the contractor. Should there be any increase in rate of Income Tax and surcharge during execution of the contract, the same shall be payable by the contractor.

5.2 **Royalty** shall have to be paid by the contractor on all materials such as stone, bricks, boulders, metal, shingle, bajri, stone aggregate, coarse sand and fine sand etc. or any other materials used for the execution of the work direct to the Revenue Authority of the District/State Govt. concerned.

5.4 **GST:** - As per the "**PARTICULAR SPECIFICATIONS AND SPECIAL CONDITIONS FOR COMPLYING WITH THE GST LAW WHICH HAS COME INTO FORCE WITH EFFECT FROM 01/07/2017**".

6.0 **Secured Advance:**

6.1 Secured advance on bricks, stone, stone aggregate brought at site for use in the work shall be paid only after receipt of satisfactory test results from the laboratory and provisions under rules.

6.2 Secured advance on steel doors, steel windows, etc. shall be paid only after the Engineer-in-Charge has personally verified that the materials brought at site of work, for use in work, conforms to the sample approved by him.

6.3 Departmental materials for tower shall be issued to the contractor for the work. In the event of any loss/damage of the departmental materials for which the certificate of the Engineer -in-Charge and cost of recovery as decided by him shall be final and binding.

6.4 The contractor shall within 7 (Seven) days of issue of award letter intimate to the concerned sub – Divisional Engineer & Executive Engineer regarding the make / brand / manufacturer of the cement, steel etc, he intends to use in the work.

7.0 The make / brand once approved shall not be changed during the currency of the agreement until revised by the Engineer-in-charge.

SCHEDULE – D (PART D)

Additional specifications

(Para 2.2.1) Stone Aggregate:

Stone aggregate used in the work shall be of hard broken stone to be obtained from approved source (quarries) Pachgaon and shall conform to the relevant provisions in the C.P.W.D. Specifications 2019. It shall conform to IS 383 unless otherwise specified.

(Para 2.2.2) Coarse Sand:

Coarse sand used in the work shall be obtained from approved sources at **Mouda** conform to the relevant provisions in the specifications 2019. Grading of sand for masonry mortar shall conform to IS 216 (Table 3.2 of CPWD specifications 2019).

(Para 2.2.2) Fine Sand:

Fine sand used in the work shall be obtained from approved source at Bhandara and shall conform to the relevant provisions in the C.P.W.D. Specifications 2019 as per grading Zone IV. Grading of sand for plaster shall conform to IS 1542 (Table 3.2 of CPWD specifications 2019)

NOTE:-

Where only one variety of sand is available, the sand will be sieved for use in finishing work, as directed by the Engineer-in-charge, in order to obtain smooth surface and nothing extra will be paid on this account.

(Para 2.8) Brick Work:

Brick used in the work shall be FPS to be obtained from approved kilns Nagpur They shall be well burnt and shall have a compressive strength of not less than 50 Kg/Sq. cm and water absorption percentage of not more than 20% of its dry weight when immersed in the water for 24 hours. In all other respects they shall conform to the bricks of class designations provisions in C.P.W.D. Specifications 2019 with up to date correction slip.

**For & on behalf of the Bharat Sanchar Nigam Limited
Executive Engineer (Civil), BSNL Civil Division Nagpur***

Note : Source of materials to be filled up by EE©-Suitably and appropriately.

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

1. The Goods and service tax, hereinafter referred to as GST, has been implemented by the Government of India with effect from 1st July 2017. The rates quoted by the Contractor shall be inclusive of all taxes/ levies/ cess etc. except the GST. GST as per applicable rates shall be paid as per the relevant law and rules framed thereunder by the GST authorities. The GST shall be payable only to those Contractors who submit the details of GST registration to BSNL. Any further amendment notified by GOI in GST rules during the currency of the agreement shall also be applicable without any separate notice.
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. **Moreover, reference of service tax anywhere in the tender document or NIT or GCC or correction slips shall be treated as redundant and not applicable along with the related enabling provisions with respect to the service tax.** Income tax TDS, TDS towards GST, workers welfare cess deductions & other statutory deductions etc shall be made at source as per the prevalent laws, as and when applicable.
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 thereunder 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.
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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.

ANNEXURE-A

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.

5.0 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 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, Lightening 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, lightning 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 .

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 AGREEMENT 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).

FORM OF PERFORMANCE SECURITY
BANK GUARANTEE BOND

1. In consideration of the BHARAT SANCHAR NIGAM LIMITED (hereinafter called "the BSNL") having agreed under the terms and conditions of agreement No. _____ Dated _____ made between _____ and _____ (hereinafter called "the said contractor(s)") for the _____ work (hereinafter called "the said agreement") for compliance of his obligation in accordance with the terms and conditions in the said agreement.

We _____ (indicate the name of the Bank) (hereinafter referred to as "as Bank) hereby undertake to pay to the BSNL and amount not exceeding Rs. _____ (Rupees _____ only) on demand by the BSNL.

2. We _____ (Indicate the name of the Bank) do hereby undertake to pay the amount due and payable under this Guarantee without any demure, merely on a demand from the BSNL stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only).

3. We undertake to pay to the BSNL any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment made by us under this bond shall be valid discharge of our liability for payment to there-under and the contractor(s) shall have no claim against us making such payment.

4. We _____ (Indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the BSNL under or by virtue of the said agreement have been fully paid and it is claims satisfied or discharged or till Engineer-in-charge on behalf of the BSNL certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

5. We _____ (indicate the name of Bank) further agree with the BSNL that the BSNL shall have the fullest liberty without our consent and without affecting any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time to time any of the powers exercisable by the BSNL against the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor(s) or for any forbearance act of omission on that part of the BSNL or any indulgence by the BSNL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effected or so relieving us.

6. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the BSNL in writing.

8. This guarantee shall be valid upto _____ unless extended on demand by BSNL. Notwithstanding any thing mentioned above our liability against this Guarantee is restricted to Rs. _____ (Rs. _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under the Guarantee shall stand discharged.

Date the _____ date of _____

for _____
(Indicate the name of Bank)

ANNEXURE – (i)

AFFIDAVIT

I/We have submitted a bank guarantee for the work _____ (Name of Work), Agreement No. _____ Dated: _____ from _____ (Name of the Division) with a view to seek exemption from payment of performance guarantee in cash. This Bank guarantee expires on _____

I/ We undertake to keep the validity of the bank guarantee intact by getting it extended from time to time at my/our own initiative upto a period of _____ months after the recorded date of completion of the work or as directed by the Engineer in charge.

I/We also indemnify the Bharat Sanchar Nigam Limited against any losses arising out of non-encashment of the bank guarantee if any.

(Deponent)
Signature of Contractor

Note: The affidavit is to be given by the Executants before a first class Magistrate.

Notice for appointment of Arbitrator
(Refer Clause 25)

To,

The Chief Engineer
BSNL Civil Zone

.....

Dear Sir,

In terms of clause 25 of the agreement, particulars of which are given below, I/we hereby give notice to you to appoint an arbitrator for settlement of dispute as mentioned below:

1. Name of applicant
2. Whether applicant is Individual/Prop Firm/Partnership Firm/Ltd Co.
3. Full address of the applicant
4. Name of the work and contract number in which arbitration sought
5. Name of the Division which entered into contract
6. Contract amount in the work
7. Date of contract
8. Date of contract Date of initiation of work
9. Stipulated date of completion of work
10. Actual date of completion of work (if completed)
11. Total number of claims made
12. Total amount claimed
13. Date of intimation of final bill (if work is completed)
14. Date of payment of final bill (if work is completed)
15. Amount of final bill (if work is completed)
16. Date of request made to SE for decision
17. Date of receipt of SE's decision
18. Date of appeal to you
19. Date of receipt of your decision.

Specimen signatures of the applicant
(Only the person/authority who signed the contract should sign)

I/We certify that the information given above is true to the best of my/our knowledge. I/We enclose following documents.

1. Statement of claims with amount of claims.
- 2.
- 3.
- 4.

Yours faithfully,
(Signatures)

Copy in duplicate to:
1. The Executive Engineer,
BSNL Civil Division Nagpur*

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SCHEDULE - A

SCHEDULE OF QUANTITIES

Name of Work: Construction of 2 Nos Tower Foundation and BTS Foundation for 40 Metre Tower in Phase IX.2 in SDCA Chamorshi under Gadchiroli SSA.
SH: Construction of 01 No. Tower foundation, BTS foundation and Tower erection at Kalinagar under Chamorshi SDCA.

General: The quoted rates for various items in the tender shall be inclusive of the cost involved for compliance of all the conditions and specifications mentioned as “Additional conditions” attached as Schedule – D (Part A), “Special conditions for this work” attached as Schedule – D (Part B), “Additional specifications” attached as Schedule- D (Part C), “Additional & Particular Specifications” attached as Schedule-D (Part D) and “Particular Specifications and special conditions for complying with the GST law which has come into force with effect from 01/07/2017”

General: The quoted rates shall be inclusive of all taxes/ levies/ cess etc. except GST. GST at the applicable rates shall be paid as per the relevant law and rules framed thereunder by the GST authorities. The GST shall be payable only to those Contractors who submit the details of GST registration to BSNL. Any further amendment notified by GOI in GST rules during the currency of the agreement shall also be applicable without any separate notice. The quoted rates shall also discount the input tax credit to be received by the Contractor on purchase of basic and other materials that are used subsequently in the work, to stay competitive.

Estimated cost put to Tender:	Rs. 12,13,516/- (Rupees Twelve Lac Thirteen Thousand Five Hundred Sixteen only)
Earnest Money deposit: -	Rs. 24,280/- (Rs Twenty Four Thousand Two Hundred Eighty Only)
Time period of completion: -	03 (Three) Months

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT
1	2	3	4	5	6
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	35.00	One Cubic Metre	140.05	4902.00
2	Earth work in excavation/ by mechanical means (Hydraulic Excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50 m				

	and lift upto 1.5 m, disposed earth to be levelled and neatly dressed.				
2.1	Ordinary rock	85.00	One Cubic Metre	393.63	33459.00
2.2	Hard Rock (blasting prohibited)	61.00	One Cubic Metre	1130.60	68967.00
3	Filling available excavated earth (excluding 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.	150.00	One Cubic Metre	154.64	23196.00
4	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials.				
4.1	Ordinary or hard rock.	135.00	One Cubic Metre	179.42	24222.00
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
5.1	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources).	7.00	One Cubic Metre	5374.67	37623.00
6	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
6.1	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	41.00	One Cubic Metre	7137.10	292621.00
7	Centering and shuttering including strutting, propping etc. and removal of form for :				
7.1	Foundations, footings, bases of columns, etc. for mass concrete.	37.00	One Square Metre	309.41	11448.00

7.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	6.00	One Square Metre	581.02	3486.00
7.3	Columns, Pillars, Piers, Abutments, Posts and Struts.	26.00	One Square Metre	758.47	19720.00
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
8.1	Thermo-Mechanically Treated bars.	4000.00	One Kilogram	85.09	340360.00
9	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand)	10.00	One Square Metre	237.06	2371.00
10	Supplying and filling Moorum in foundation and plinth, levelling of ground etc. including consolidating in layers by ramming and watering etc. all complete as directed by Engineer-in-charge.	5.00	One Cubic Metre	1146.22	5731.00
11	Fixing bed plates templates and all Anchor bolts etc. for stems of Tower foundation including extremely accurate positioning, levelling including adjusting the centre to centre distance between bolts , base plates to the required accuracy etc. complete as per the direction of Engg-in-charge (The Rate includes the cost of fixing all bed plates, templates and anchor bolts for three or four legged tower. This item also include Transportation of Anchor Bolts, Angles and Templates from BSNL Store Chandrapur / Gadchiroli SSA to the tower Site. After the completion of foundation bolt casting the template/Base angle shall be deposited /handed over to JTO /SDE (Civil) BSNL Civil Sub Division office located at Gadchiroli . Transportaion of Template/ Base angle from tower site to BSNL Civil Sub Division included in item. Nothing Shall be paid extra in this item.	1.00	One Job per tower	15473.36	15473.00
12	Separation of steel Tower material as directed by Engineer In Charge				

12.1	Separation of 40 m high GBT steel Tower Material from the available stock including checking, counting of members or parts and preparation of list all complete as directed by Engineer-in- charge.	1.00	One Job per tower	12522.49	12522.00
13	Transportation of 40 m high GBT steel 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 till consumption in work all complete as directed by Engineer-in- Charge.				
13.01	(The weight of Tower material weighed on weigh bridge before transportation shall be considered for payment as per direction of Engineer in Charge. Nothing extra shall be paid on this account)				
13.1	Lead upto 20 Kms	10.00	One Metric Tonne	720.26	7203.00
13.2	Beyond 20 Km Lead	1000.00	Per Metric Tonne Per Kilometre	15.07	15070.00
14	Erection of 40 m high GBT steel Tower of required height for WLL/Mobile services as per drawing, specification,tightening with torque wrench of all size etc. including acceptance testing etc. complete as per direction of Engr-In-charge. (The item will be measured after successful completiopl of A/T by the BSNL competent authority. A/T equipments likes Binoculars, Torque wrench of all sizes, Theodolite, shall be arranged by the Agency)(Note: Rate includes cost of all operations (welding, drilling, filling & grinding) involved in hoisting and erection of tower including hire and labour charges of tools, plants and machineries, insurance premium of labours, etc and nothing extra will be paid. The contractor shall supply insurance coverage certificate of workers before start of the work)				

14.1	40 Metre high GBT steelTower	10.00	One Metric Tonne	8912.11	89121.00
15	Fabricating and supplying of hot dip galvanised iron of minimum 85 microns structural member as per IS- 4759 such as angles, channels, welded lugs, platform, ladder and plate as of required length shape and size including making necessary holes for fixing nut bolts as per required drawing for mobile tower . All sections are stamped with appropriate Mark Number etc. complete as directed by Engr-in- Charge.	100.00	One Kilogram	153.95	15395.00
16	Supplying of hot dip galvanised bolts and nuts of grade 5.6 and as per IS- 12427 including spring washers/plain washers of required diameters and length for mobile tower erection etc. complete as directed by Engr-in- Charge.	250.00	One Kilogram	157.76	39440.00
17	Providing and applying High Gloss Synthetic Enamel paint (Asian Apcolite / Shalimar/Berger) in two or more coat on New work (including applying priming coat of ready mixed zinc chromate yellow primer and catalyst of approved brand and manufacture in required ratio) on steel galvanised iron/steel tower of required height mentioned below including painting to all the members such as platform, bracing, ties, strut, wave guide,antena and it"s fixtures, lugs, gusset plate, angle, bolts etc. complete including making necessary arrangement of safety belts, helmets to labours.				
17.1	40 Metre high Steel GBT Tower	1.00	One Job	57600.00	57600.00

18	Grouting the base plates ,legs, anchor bolts and nuts of 40 M GBT steel tower by enclosing the legs by half brick work in C.M. 1:4 (1 cement:4 Fine sand) on the column upto 300 mm height applying grease to the nuts bolts to be embedded, covering the nuts bolts by polythene sheet ,filling the enclosure of brick work by sand laying cement concrete 1:2:4 (1 cement:2 Coarse sand:4 graded stone aggregate 20 mm nominal size) on the leg to proper slope and plastering with 12 mm cement plaster around with C.M 1:6 all complete as per the direction of Engr-in-Charge etc. complete.	1.00	One Job per Tower	10698.98	10699.00
19	Providing Ring earthing of 40 M GBT steel tower as per drawing, specification etc. complete with labour and material of standard gauge by making around pit @ 1.0 m from tower leg & 1.0 m depth using G.I flat of size 50x6mm covered around with mixture of common salt and charcoal at a depth of 1 m in ground and connecting to two bolts of each leg of tower / pit earthing GI Electrode plate with G.I. flat including Acceptance & Testing as per direction of Engineer-In-Charge. (A/T equipments, Earth metre shall be arranged by the Agency) (The item will be measured after successful completion of A/T by the BSNL authority.	40.00	One Running Metre	672.57	26903.00
20	Providing & fixing lightening arrester of multi prong finial 25mm dia 1.5m long hollow copper tube to 40m tower with necessary fittings at the top of tower etc. all complete as per direction of Engineer-in-charge.	1.00	Each	8743.57	8744.00
21	Providing & fixing G. I. flat of required size (50mm X 5mm) from lightening arrester to the earthing including cutting and fixing on surface of tower, on tower tray, in pipe from test joint to lightening arrester installed at top of 40 meters tower and from test joint to ring earth strip, including connections, etc all complete as per the direction of Engineer-in-charge	46.00	One Running Metre	633.27	29130.00

22	Supply / installation, Testing and commissioning of 230 V AC LED aviation obstruction lamp of approved quality with Light Dependent Resistance Sensor (Day-Night automatic timer) on the top of 40m tower including making necessary arrangement for fixing with supply & fixing of base plate & required clamps, etc. as required as per the direction of the Engineer-in-charge.	1.00	Each	6110.50	6111.00
23	Providing and laying of 2C X 1.5 sq. mm. PVC insulated PVC sheathed copper conductor armoured cable ISI mark from aviation lamp to existing MCB in feeder panel fixing on tower / wall / shelter surfate with suitable clamp or in 25mm dia 2mm thick PVC pipe under ground at 60cm depth including end termination with brass compression gland and lugs etc as per the direction of the Engineer-in-charge.	60.00	One Running Metre	199.98	11999.00

Estimated Cost	Rs 12,13,516.00
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