



BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

Name of the work:	Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)
NIT No:	125/EEC/BSNL/NGP/2024-25
Name of the Contractor:	
Last date and time of submission of bid:	Date 27/03/2025 upto 18:00 Hrs.
Last date of submission of physical documents such as EMD, cost of bid document and other documents	Date 27/03/2025 upto 15:00 Hrs.
Time & date of opening of physical documents	Date 29/03/2025 at 15:30 Hrs.
Time & date of opening of bid:	Date 01/04/2025 at 1100 Hrs.
Cost of bid document:	Rs.590.00 (Rs Five Hundred Ninety Only) including 9% CGST and 9% SGST Non- refundable
Earnest Money deposit :	Rs. 9,690/- (Rs. Nine Thousand Six Hundred Ninety only)
Estimated cost put to Tender :	₹. 4,84,441- (Rupees Four Lakh Eighty Four Thousand Four Hundred Forty One) only.

Certified that this tender document contains **52** Pages.

Executive Engineer (C)
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 **Account Officer(CasH), O/o GMT, BSNL, 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 4th Floor, Admin Building, Ziro mile, Nagpur (Complete Address) 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 roadwork's. 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.125/EEC/BSNL/NGP/2024-25	Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)	Rs. 4,84,441/- (Rupees Four Lakh Eighty Four Thousand Four Hundred Forty One) only. only.	Rs. 9690/- (Rupees Nine Thousand Six Hundred and Ninety) only	3 (Three) Months	27/03/2025 upto 18.00 Hrs	29/03/2025 upto 15.00 Hrs	29/03/2025 Upto 15.30 Hrs	01/04/2025 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, EPF & ESIC 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. 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 (Competed address) between 1100 hours & 1600 hours from date **17/03/2025** to date **26/03/2025** everyday 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**.

11.5 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) Demand Draft/ Pay Order or Banker's cheque / Fixed Deposit Receipt of a scheduled bank towards cost of EMD
- (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.

BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)
O/o Executive Engineer (Civil), BSNL Civil Division,
4th Floor, Admin Building, Zero Mile, Nagpur

NOTICE INVITING TENDER

NIT No: 125/EEC/BSNL/NGP/2024-25

Dated 15/03/2025

2.0 The Executive Engineer(Civil), Bharat Sanchar Nigam Limited, Civil Division 4th floor, Admin building, Zero Mile, Nagpur (Complete address) 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& 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: Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)

1.1The work is estimated to Rs. 4,84,441/-(Rupees Four Lakh Eighty Four Thousand Four Hundred Forty One) 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 **Accounts Officer (Cash), BSNL, PGM TD, 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 up-to 15:00 hrs on **29/03/2025** 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 up-to Rs. 7 Lakhs - Nil

1.2.1.2 For works above Rs. 7 lakhs and uptoRs. 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 Administrative/Technical Buildings and Staff quarters in R.C.C. frame construction and/or load bearing construction including related sanitary installation/Water Supply Installation works, Road works, Compound walls, multi-way Cable duct works etc. Cable duct works executed in BSNL/MTNL will be considered as building works.

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.

1.2.1.2.2The 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.

2.0Agreement 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 **3(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, Admin Building, Ziro Mile, Nagpur complete Address) between 1100 hours & 1600 hours from date 16/03/2025 to 26/03/2025 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: Rs 590.00 (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), O/o GMT BSNL Nagpur and payable at Nagpur only.**
- ii) **Earnest Money of Rs. 9690/- (Rupees Nine Thousand Six Hundred and Ninety) 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 **01/04/2025**

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 Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)

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 **30 (thirty) 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 4th floor, Admin Building, Ziro mile, 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 I, Nagpur

Item Rate Tender and Contract for Works

Name of work: **Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)**

(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 **27/03/2025** 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 **29/03/2025** Copies of bid documents shall be opened at **15:30 hours** on dtd **29/03/2025**

(ii) Bids of the eligible tenderers to be opened in the presence of tenderers who may be present at **11:00 hours** on dtd **01/04/2025** 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 **30 (Thirty) 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, 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.

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 there-from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

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: (_____)
Address:
Occupation:

Signature of Contractor:

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 _____

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),, SPECIAL TERMS AND CONDITIONS FOR CABLE DUCT WORK 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	Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)			
Estimated cost put to tender of Work	Rs. 4,84,441/- (Rupees Four Lakh Eighty Four Thousand Four Hundred Forty One) only.			
Earnest Money (As Para 6 of BSNL W-6)	Rs. 9690/- (Rupees Nine Thousand Six Hundred and Ninety) only			
Performance Guarantee (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)			Rs. *****/.- (Rupees...*****) only	
Security Deposit (10% of the tendered value for works with Estimated Cost put to tender uptoRs. 15 Lakhs) (5% of the tendered value in respect of works with Estimated			Rs. *****/.- (Rupees...*****) only	

cost put to tender exceeding Rs. 15 Lakhs)		
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	Executive Engineer, BSNL Civil Division Nagpur
2(x)	Percentage on cost of materials and Labour to cover all overheads and profit	10 %
2(xi)	Standard Schedule of Rates	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		Executive Engineer (Civil), BSNL Civil Division Nagpur
Clause 2A		
Whether Clause 2A shall be applicable		NO
Clause 3A		
Whether Clause 3A shall be applicable		Yes
Clause 5		
i)	Time allowed for execution of work.	3(Three)months
ii)	Authority to give fair and reasonable extension of time for completion of work.	Executive Engineer (Civil), BSNL Civil Division Nagpur
Clause 6A		
Whether Clause 6A shall be applicable		Yes
Clause 7		
Gross value of work to be done together with net payment /adjustment of advances for materials collected, if any, since the last such payment for being eligible for interim payment.		Rs 3,00,000/-
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 PPCof43 gradeto 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 Grade 43 Grey 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.	Rs. 73,000.00 (Rupees seventy three Thousand) only Per Metric Tonne.
2(d)	For Galvanized Structural Steel sections	Not applicable

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 Rs9.46 per kg (the rate of reduction shall be same as "2" above converted to per kg plus Contractor's profit and overheads as applicable i.e 10%).

**Executive Engineer (Civil),
BSNL 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) PPC, 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. **OPC 43grade conforming to IS: 8112 can also be used but nothing extra shall be paid to the Contractor.** 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.
- ii By 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 confirm 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 10m dia. bars	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10mm to 16 bars 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) Panchgaon 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 Kanhan 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 Kanhan 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 Kamthi 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.

SPECIAL TERMS AND CONDITIONS FOR CABLE DUCT WORK

1. Quoted rates for all the items of work (including additional items if any shall be applicable for all the lifts , leads, depth, length and widths, except where specially mentioned in items otherwise.
2. The work shall be carried out in a manner complying in all respects with this requirements of relevant bye laws of local authority of the place. Nothing extra will be paid on this account.
3. The route plan for the proposed cable duct work which is indicative in nature. The tenderer shall conduct a thorough study of job site(s) involved, site conditions, soil conditions, the climatic condition , labour power, water, material and equipment availability and suitability of borrow area, availability of land for right of way, temporary office and all other factors and facilities and things whatsoever necessary of related to the formation of the tender and the performance of the work, before submitting the tender.
4. (A)The contractor shall, except if and so far as the contract provides otherwise indemnify the BSNL against all losses and claims in respect of injuries or damage to any person or material or damage to any property whatsoever which may arise out of or in consequence of the execution and maintenance of the works and against all claims, proceedings, damages, costs. Charges and expenses what so ever in respect of or in relation there.
- 4 (B) BSNL shall not be liable to any damages or compensation payable in respect of or in consequence of any accident or injury to any workman or other person in employment of contractor or any subcontractor. The contractor shall indemnify the BSNL against all such damages and compensation and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation there to.
- 4 (C) GIVING OF NOTICES & PAYMENT OF FEES: The contractor shall give all notices and pay all the fees to be paid in accordance to any Statute, Ordinance, regulation, or bye-law of any local or other duly constituted authority for the execution of the works. This however does not include the road restoration charges payable to local bodies for obtaining permissions for execution of works.
- 4 (D) The contractor shall conform in all respect with the provisions of any Statute, Ordinance as aforesaid and the regulations or bye-laws of any local or other duly constituted authority, applicable to the works and shall keep BSNL , indemnified against all penalties and liability or all kind for breach of any such Statute, Ordinance, regulation or bye-laws. Nothing extra shall be paid on account of compliance of paras from 4 (A) to 4 (D) .
- 5 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. Nothing extra shall be paid on this account. It shall be agreed term of the contract that in case of any delays in obtaining permissions from the local bodies/ authorities, for any reason whatsoever, the contractor shall not entitled to any compensation. Extension of time for such delays, if for reasons beyond the control of the contract or shall be granted as per the provisions in clause 5 of the agreement BSNL 8.
6. Contractor shall be required to keep close liaison with various local authorities to know on the existing underground utilities such as waterlines, drainage, sewage lines, electrical and telephone cables etc. The contractor 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 or restore the service at his own cost to the entire satisfaction of the Department controlling the service or the cost of repair/restoration of such underground service as evaluated by the concerned department

shall be recovered from his bills. (The decision of the Engineer-in-Charge about the mode of such repair and restoration shall be final and binding.)

7. Most of the work shall involve cutting of streets, roads, highways, footpaths and other similar type of the locations, Factories, residential buildings, shops and other similar establishments may be situated on both the sides of the work area. During progress of the work the contractor shall take abundant precautions at his own cost to ensure the uninterrupted proper entries to these establishments. The contractor shall be fully responsible for taking all the requisite precautions for the protection of the work, adjacent properties, utility services and other similar establishments. The contractor shall indemnify the department against any claims of damages arising out of above. Nothing extra shall be paid on this account.
8. 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 site and shall provide all the necessary guard barricades, fencing, signs, lights, etc. strictly as prescribed by local municipal authority (or in the absence of it, as prescribed by the Engineer- in- Charge) to avoid accidents. Proper and adequate arrangements shall also be made by the contractor during day and night by taking additional precautions such as sign boards, red light, signal, guard reflections etc. so that excavated duct, heap of the excavated earth etc. can be visible to vehicular and pedestrians traffic from a safe distance. Use of PVC pipe of the work, shall not be allowed for this purpose. Nothing extra shall be paid on this account.
9. In case of failure to exercise precautions detailed herein and above, the department shall make its own suitable arrangement for above precautions solely at the risk and cost of the contractor. However in such case the contractor shall **not** be absolved of his/their any of the responsibilities/obligations as per the terms and conditions of the contract agreement.
10. The contractor shall be required to produce samples of all the materials and fixtures to be used in the work, sufficiently in advance to obtain approval of the Engineer-in-Charge. Only such materials which are approved by the Engineer- in- Charge shall be used in the work.
11. All material shall be stored at Contractor's premises in such a manner that it would not impair quality and performance of the product. The PVC pipes shall not be stacked beyond a maximum stacking height of three meters.
12. The contractor shall be responsible for watch and ward (at his own cost) of all the work along with all the fittings, fixtures and stores till the completion of work. Department shall not entertain any claim whatsoever for any loss.
13. Where 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 as efficient condition to avoid undue noise, to the satisfaction of the Engineer-in-Charge, whose decision shall be final and binding.
14. All the operation required for making concrete work monolithic at the construction joints are deemed to be included in the rates of the relevant items and nothing extra shall be payable on this account.
15. Royalty at the prevalent rates whenever payable, shall have to be paid by the contractor on the boulders, metal, shingle, sand. and bajri etc. or any other material collected by him for the work direct to the revenue authority of the District/ State Government concerned and nothing extra shall be payable on this account.
16. Quoted rates of all the items of work shall be deemed to, unless clearly specified otherwise, include cost of all labour, materials and all other inputs required in the execution of the items.

17. The contractor shall maintain in perfect condition all the parts of the executed work till completion of the entire work allotted to him. Where phased delivery is contemplated the provisions mentioned above will apply to each phase.
18. 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.
19. All materials required for work including PVC pipes, fitting and fixtures etc. shall be arranged by the contractor at his own cost. However Engineer-in-Charge shall make a record, if all the receipts and issue of such material in the register.
20. Tests will be carried out by the contractor at his own cost without any extra cost to the department during the construction work, to the entire satisfaction of the Engineer-in-Charge. Test shall be conducted at two stages as follows.

a) During execution of the work:- i) P.V.C. ducts shall be required to be tested from manhole to manhole/ Hand hole for the mandrel test. Payment for PVC pipes in the running bills shall be released after successful testing of each way (pipes) and its plugging at both the ends as per the item.

A typical details of mandrel which shall be in hard wood is shown in drawing. The size of the mandrel to pass through the constructed ducts shall be 92 mm with tolerance of + 2 mm for 110 mm OD pipes and 35 mm with tolerance of + 2 mm for 50 mm OD pipes.

ii) Sample testing of PVC duct joints for water tightness shall be carried out as per direction of the Engineer – in Charge.

b) On completion of the work :- i) It shall be the agreed term and condition of the contract that the work shall be deemed completed only after Acceptance Testing of the work has been carried out and the work satisfied the acceptance testing criterion.

ii) The contractor shall offer the completed work, in writing, to the Engineer- in- Charge for carrying out the ACCEPTANCE TESTING.

iii) Acceptance Testing (A.T.) of completed work shall be carried out by the Acceptance Testing Team deputed by the Department in the presence of the Engineer- in – Charge or his authorized representative and the contractor.

iv) The contractor shall make all the necessary preparations needed before carrying out the Acceptance Testing e.g. pumping out water and cleaning of manholes etc. and setting up testing apparatus etc. Nothing extra shall be paid on this account,

v) Rectification work, if any required shall be carried out immediately in case any section of the duct does not satisfy the Acceptance Testing criterion. Upon completion of the required rectification, the work shall be offered again for acceptance testing by the contractor and the Acceptance Testing shall be redone to ensure compliance of the acceptance testing standards.

vi) In case of failure on the part of the contractor in getting the Acceptance Testing done successfully of carrying out the corrective measures, the same shall be done at his/their risk and cost by the Engineer-in – Charge.

vii) All the ways(pipes) of the newly made ducts shall be rodded, cleaned before testing. Mandrel of the respective size shall be pulled through each way(pipes) of the duct. If any obstruction is encountered, the duct shall be cleaned again and if necessary, be repaired before it is tested again. Nothing extra shall be payable for cleaning the duct and such repairs.

21. The contractor shall make his own arrangement for water and sewerage. All water and sewerage charge, if levied by the concerned local authorities on account of the construction work shall be borne by the contractor and the Department shall not bear any liability whatsoever on this account.

22. All M.S. articles shall conform to relevant I.S Codes and shall be hot dipped galvanized according to ISO R 1460 & R 1461 or IS 4736-1968 unless otherwise specified. The minimum average coating weight of the galvanization shall be as under:

	Thickness of Article	Minimum average coating weight of the galvanization
i	5 mm thick or more	610 gm/sqm
ii	Under 5 mm thick but not less than 2 mm	450 gm / sqm
iii	Under 2 mm thick	335 gm / sqm

23. The material from which the Rigid PVC pipe is to be produced shall consist substantially of polyvinyl chloride having a k- value between 64 to 67 with not less than 3 % utility grade Titanium, dioxide to control degradation of the pipes due to ultra violet radiation and such other additives as are required to meet the requirements of this specifications. All the additives shall be uniformly dispersed. None of the additives shall be used separately or together in quantities as to impair the long term physical and chemical properties of the pipe.

In addition to the other requirements the pipes shall not be affected by ultra violet rays when stored in open and shall be rigid and tough enough to withstand without deterioration the affects of normal storage, handling and installation.

The material used in the manufacture of the pipe shall be such that the service life can reasonably be expected to be in excess of 50 years when encased in concrete.

Manufactured pipes and fitting must produce a clean, sharp surface when cut with a hand saw. There shall be no cracking or crumbling of the cut surface.

24. The pipe shall be conformed to the dimensions given as under. The effective length of pipe including socket shall be 6 meter + 30 mm.

Sl. No.	Type of pipe	Application	External Diameter (mm)	Wall thickness (mm)
1.	A	Cement Concrete encasement	110 + 0.5	2.5 + 0.3
2	C	Cement Concrete encasement	50 + 0.3	1.9 + 0.1

25. TESTS OF PVC PIPES.

1. Visual Inspection: - Shall be in accordance with the clause 6.1 of IS 4985-1988. The pipes and other material shall be checked visually for ensuring good workmanship, absence of defects like cracking , flaking, holes, out of shape scratches, roughness etc, to the extent possible.
2. Dimension test:- The wall thickness and diameter of pipes , sockets, coupling and bends shall be obtained by the method given in IS 12335 (Part I) -1986, ISD 12235(Part 2)-1986 and IS 4985-88 and shall conform to the figures specified in this conditions in para 2 above and as per the drawing.
3. Tensile strength and Elongation: - Tensile strength tested at 20 deg. C or lower temperature, shall not be less than 400 Kg/ sqcm. When tested at a temperature between 40 degree C and

40 deg. C reduction of 2 % and when tested at temperature between 40 deg. C and 49 deg. C a reduction of 3.5 % in the tensile strength of 400 Kg/sq cm at 20 deg. C should be considered for arriving at the minimum permissible tensile strength . The elongation at break of the pipe material shall not be less than 30%.

4. Load deformation: Minimum stiffness (Stiffness F/Y) of 150 mm \pm 3 mm long specimen of the pipe, when tested with ASTM D 2412, except that the specimens shall be conditioned for a minimum of 12 hours at 20 deg. C , shall be 2.5 and 3.5 kg/ sq cm. respectively in type A & C pipes at a deflection of 5%. as per drawing.
 5. The required testing of PVC pipes for Acceptance Testing shall be carried out as per direction of the Engineer- In - Charge.
26. Contractor shall procure the P.V.C pipe and other fitting and fixtures conforming to IS standards and as approved by the Engineer – in – Charge.
27. Spacers, Expansion (Inner) plug etc shall be of the quality and brand approved by the Engineer- in – Charge.

28 UNDERGROUND DUCT:-

Digging the trench:-

- i) The width and depth of the trench shall be kept minimum a to avoid unnecessary road cutting, excavation and consequential expenditure.
- ii) During excavation if it is found that sides of the trenches are unstable and the soil condition is loose , (Decision of the Engineer- in – Charge in this regard shall be final and binding), the planking, strutting shall be carried out as per the CPWD specification .

2. Preparing the base of the trench:-

- i) The base of the trench is rammed well. Wherever loose spots are there, they are filled with solid fillings.
- ii) 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.
- iii) Lean concrete in 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size shall be provided at the bottom and allow its setting for a period of 8 to 12 hours.
- iv) In case sides of the trenches are made of loose soil (decision of the Engineer- in Charge shall be final and binding) side shuttering shall be provided.

3. **Polythene Sheet:** Where sides of the trench are reasonably stable, polythene sheet shall be fixed directly to the excavated surface in order to insulate the concrete from coming in contact with the earth. In case of unstable sides condition, the polythene sheet shall be fixed on the side of shuttering. The polythene sheet shall cover the concrete duct completely on all sides. Overlapping of 30 cm. width in all the joints (longitudinal and lateral) shall be provided. Polythene sheet shall have minimum weight of 1 Kg/ 10 sqm of sheet area and shall be approved quality and brand. The colour of sheet shall be YELLOW or as approved by Engineer- in –Charge.

4. Jointing method of PVC Duct :-

- i) Before making joint , each PVC pipe is tested and cleaned. Unsuitable lengths are removed out for their use elsewhere. Each length should be straight, smooth, undeformed. It shall be free from cracks, holes, defective ends, defective sockets or any other defect. In case of doubt, the respective mandrel may be passed through the duct length.
- ii) Pipes shall be jointed together by using solvent cement. The unsocketed end of the pipes is roughened with a fine emery paper for a length of 60 mm and a rich layer of jointing solution be applied by a brush on the surface. Immediately, it is pressed into the socketed end of the pipe which has also been roughened with emery paper. The joint shall be held under pressure by hand for about half a minute. An air and water tight joint should results as per drawing.

- iii) The joint should be left for curing as per instruction of the manufacturer. The jointed duct should be left untouched during curing time. If handled while curing a fractured joint is likely to result and makes the joint lead in water tightness test.
- iv) A continuous nylon rope shall be passed from end to end while jointing the duct pipes or after the duct are laid.

5. Making the Duct Nest :-

- i) The pipes are brought near the spot so that they are available for laying immediately after the trench is ready.
- ii) While the preparation of trench is in progress, the ducts are jointed at the rate of 2 to 3 length above the ground.
- iii) On the lean concrete bed, the first layer of PVC pipes shall be laid by resting them on the base spacer. The spacers shall be provided at spacing not more than 2 mtr centre to centre. The balance jointing of the pipes shall be carried out in position only. First layer of the intermediate spacers shall also be provided in position at the same spacing. Quality of these joints are checked.
- iv) Duct mouth shall be plugged with duct sealing plug as soon as they are laid. They shall remain plugged throughout the work to ward off chokage of the ducts by unwanted materials. After plugging they may be covered with gunny cloth to keep them clean.
- v) Concrete mix 1:3:6(1 Cement:3 Coarse sand : 6 Stone aggregate 12.5 mm nominal size) is now placed and compacted upto the lower most point of the upper groove of the intermediate spacer.
- vi) The joints in successive layers (as shown in the drawing) shall be staggered by 50 to 150 cm for easy jointing and laying during placement.
- vii) The second layer of ducts is now places in the upper grooves of the first set of intermediate spacers, and the second set of the intermediate spacers at the same spacing is press fitted over second layer of ducts.
- viii) Cement concrete is now placed again and compacted as described above.
- ix) The remaining layers are successively added in the same manner as described above.
- x) A top cover of 75 mm thick concrete is now added on top of the last layer of pipes.
- xi) It should be ensured that no damage is caused to the duct during the laying operation. Also the duct shall not be disturbed for at least next 24 hours after the concreting is completed.
- xii) Thereafter the duct shall be flooded with water and closed completely with polythene sheet, before commencing back filling of the trenches.
- xiii) The pipes shall be handled carefully to avoid damage to them due to rubbing or crushing.
- xiv) Movement of men and material across the duct shall be permitted by providing platform over the trench.

6. Termination of Ducts in the Manholes :-

- i) The PVC pipe shall not be embedded directly into the manhole walls. Making Double ended coupling conforming to IS 10124 (PartII) -1982 , shall be used for this purpose . It shall first be jointed with PVC pipes in the similar manner as the spigot and socket jointing of the pipes is done. The external surface of the coupling is made rough by mean of smooth file. Then a thin coat of the solvent, used for jointing the pipes, is applied all over the outer surface of the coupling and is buried in a heap of sand for about 15 minutes. After that, it is removed and wiped with a cloth to remove the excess accumulation of sand over the pipe. Sufficient number of such sockets are prepared in advance for this work and used as described above. When the wall is concreted, the sand faced coupling comes in contact with the concrete and therefore a water tight sealing is obtained at the termination joint of manholes
- ii) To increase the termination end, we can joint the end piece of a pipe to the double coupling before use. The portion coming in cement concrete should also be treated with solvent cement and sand as above.

7. Back filling the Trench :-

- i) Back filling the trench requires greater care. As loose spots and spaces left while backfilling the trench give rise to water course, sinking of ground and / or pavements which may damage the ducts and also cause hazards to traffic. The back fill should be complete, stable and done in stages.
- ii) Earth is filled in 15 cms. Layer at a time. The entire portion is rammed and pruned thoroughly. It should be ensure that no services are left on the sides of the trench in each layer of 15 Cm still the pavements surface is reached.
- iii) Where the ducts are in kachcha mud foot path, the earth filling is done with a slight mount to allow for any sinking of soil at a later stage.
- iv) Where the ducts are not in kachcha mud foot path, arrangements are made for permanent restoration of pavements. In case where it cannot be ensured immediately, temporary restoration is done to avoid difficulties to traffic in a satisfactory manner. Permanent restoration has to be done to the satisfaction of the owner of the pavement.

8. **Obstructions:** - Obstructions generally come in the form of (1) large water mains, sewer pipes or electric cables going across the way of the ducts.(2) pillar foundation or foundation of large buildings nearby,(3) rocks in close proximity of the routes. They shall be overcome during the excavation for duct trenching. Where it is not possible to overcome the obstruction by giving minor bends to the ducts, additional manholes may be constructed. These manholes may be of the same size or may be of smaller size, just sufficient to handle the cable and in the level of the trench. Under such situation decision of the Engineer- in – Charge shall be final and binding. Nothing extra shall be paid on this account over the items available in the schedule of quantities.

8 . MANHOLES AND HANDHOLES:-

1. Tentative locations and type of the manholes are shown in the route plan. However changes in them may be required during the execution of the work as per the actual site conditions.
2. The manhole is a roofed chamber constructed in reinforced cement concrete to provide the various facilities required for a ducted cable system. Access to the chamber through opening on the roof is provided. The opening is provided with a cover and locking arrangement.
3. The manhole and its cover should be strong enough to bear the load and traffic passing over the manhole.
4. Generally , the preferable maximum spacing between two straight manholes from center to centre may be 185 -189 M, 140-144 M, and 40-44 M to suit standard lengths of cables of 195M, 150M, 100M and 50 M. respectively . However in this case, decision of the Engineer in charge shall be final and binding.
5. Dimension of the Manholes and Hand holes shall be as per drawing and variation in the dimension may take place due to local site condition. However, in this regard decision of the Engineer-in –Charge shall be final and binding.
6. Small length of PVC pipe of 110 mm (OD) or 50 mm (OD) dia. are to be provided on the sides of the handhole as shown in the drawings to take out the distribution cables to the D.Ps.
7. The hand hole covers are made in two pieces and they should open the hand hole fully.
8. **Sump for Manholes :-**
 - i) A sump hole is invariably provided in the manhole for collection of seepage water.
 - ii) The size of the sump manhole varies with the size of the manhole. For a normal manhole a sump hole of 30 cm x 30 cm, and 30 cm deep is sufficient. For higher size manholes with above 24 duct nest, 45 cm x 45 cm and 30 cm deep sump hole is required. However in this regard decision of the Engineer –in – Charge shall be final and binding.
 - iii) Sump hole is covered with removable cast iron grating.
9. Two number of entry holes shall be provided at the top of the manholes.
10. **Shaft:** -Sometimes roof of the manholes have to be kept deep underground due to (a) other utilities coming in the way (b) avoiding unnecessary bigger size of the manhole when the ducts

are laid very deep. In such cases an entry shaft to the manhole shall be constructed between manhole roof and the road surface. However nothing extra above the regular items shall be paid on this account.

11. Manhole Cover :-

- i) The entry hole shall be covered with precast factory made SFRC steel fiber reinforced concrete manhole covers.
The cover when in position, shall be air tight and water tight. Its sealing shall be done by filling the annular rings between the cover and its frame with thick grease. Nothing extra shall be paid to the contractor on this account.
- ii) The base frame of the manhole cover is embedded in the wall of the neck or directly in the roof slab of the manhole at the time of its casting.
- iii) The size and shape of the manhole cover and its frame shall be as per drawing and as decided by the Engineer- in Charge.
- iv) Suitable keyholes or / and lifting arrangements shall be provided in manhole cover to facilitate its proper handling.
- v) **Construction / Design requirement of the cover:-**

Reinforced concrete of grade M-30 conforming to IS 456 -1978 shall be used. The plate compactors/ vibration table / vibro processing system shall be used for proper compaction. Curing shall correspond with the curing requirements for precast elements and manufacturing process shall be as per IS 12592(part I) -1988. Suitable admixtures conforming to IS 9103-1979 shall be added to concrete mix.

The random distribution steel fibre shall be provided at a rate 0.75% by volume of concrete.

The reinforcement as shown in the drawing and as decided by the Engineer- in Charge shall be provided in frame and cover. All steel plates and lifting arrangement shall be galvanized.

The cover should be able to withstand an equivalent load of 35 MT (heavy duty grade) when applied through a block of diameter 300 mm for minimum period of 30 second as specified in IS 12592 (part I)-1988.

Each manhole cover shall have a permanent marking sunk cast on them providing following information:

- a) Manufacturers name or Trade Mark.
- b) Year of manufacture.
- c) Figure of telephone and works “TELEPHONE” or any other matter provided by the Engineer –in – Charge.

12. Handhole Cover and Frame Assembly:

The Hand hole cover and frame assembly shall be able to withstand medium duty grade of loading conforming to classification extra MD-5 as per IS 12592 (Part –I) – 1988. The assembly shall be manufactured as per drawing. The covers shall be precise with steel fibre reinforced concrete.

The frame shall be manufactured with M.S.angles galvanized material to required shape having arrangement for anchoring in concrete.

The hand hole cover shall be made of SFRC enclosed in galvanized MS flat frame to withstand an equivalent load of 5 MT (medium duty grade) , when applied through a block of diameter 300 mm , for minimum period of 30 second as specified in IS:12592 (part – I) – 1988. The shape and size of handhole cover shall be as per drawing.

13. Locking grill of Manhole Entry :-

The locking grill in the Entry hole will be provided just below the cover. It shall be fixed to the ceiling of the manhole with the help of metallic expanding fasteners of the approved size.

The typical details of the grill is shown in the drawing which shall be locked with lock.

13. Cable Bearer Channel and Cable bearers:-

It shall be fixed on both the long walls with the help of hold in anchor bolts as shown in the drawing and at the locations as shown in the drawing and as directed by the Engineer-in-Charge.

Channel of size 7.5 x 4 x 0.6 cm shall be used for making the cable bearer channels. Height of channel shall be from bottom of manhole to ceiling height.

Cable bearers are fixed to the cable bearer channel by means of nut and bolts as per details shown in the drawing and as directed by the Engineer- in Charge. Location, numbers and length of the cable bearers depend upon the number of way provided in the duct nest entering the Manhole.

15. The following miscellaneous fixtures are also likely to be provided in the manholes.

- a) Fixture for holding light for lighting the manhole.
- b) Fixtures for holding the hose pipe for pumping out water or for ventilation.
- c) Fixtures for holding small electric fan for providing fresh air inside the manhole.
(a, b, c above as prescribed during construction .)
- d) Fixtures such as Anchor bolt(pulling eyelet), stay, cable guides , Ceiling hook and ladder hook near the entry etc as per drawing and as directed by the Engineer –in – Charge.

16. **Entry of duct nest in Manhole:-**

The duct nest entry provides a weak point for seepage of water in the manholes. Therefore 100 cms. Of the ducts at the entry shall be concreted along with the wall of manhole.

Wet concrete surrounding the cable duct is expected to shrink, causing a small separation crack between the duct and the hardened concrete. Therefore a non-shrink compound like “ shrinkomp “ shall be added (as per manufacture’s recommendation) to the concrete mix for the central ducting zone of the side walls (short wall). However nothing extra above the regular items shall be paid.

30 . General precautions.

All the precautions enforced by the local bodies shall be taken by the Contractor while carrying out the work. Work is to be executed in crowded road with restriction in timing of execution of work for which nothing extra shall be paid.

**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.

**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 _____ hereinafter
called the contractor (which term shall unless excluded by or repugnant to be subject or context include
its successors and permitted assigns) on the one part and the 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) on 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.
- 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 surface, strata, soil, sub-soil 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 the 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 or 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 Ltd)
Official address

(Contractor)

Date
Place

Date
Place

IN PRESENCE OF TWO WITNESSES

SIGNATURE
NAME

SIGNATURE
NAME

For Proprietary Concern

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

For Partnership Concern

M/sa 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) Shris/o....., And
ii) Shris/o.....etc..

For Companies

M/sa 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 in 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 anything 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)

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 disputes 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,

Copy in duplicate to:

1. The Executive Engineer,
..... Division.

(Signatures)

SCHEDULE A

SCHEDULE OF QUANTITIES

Name of Work: Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)

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 attached as Schedule – D (Part B), “Additional & Particular Specifications” attached as Schedule-D (Part C) “Additional specifications” attached as Schedule- D (Part D), , SPECIAL TERMS AND CONDITIONS FOR CABLE DUCT WORK 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. 4,84,441/- (Rupees Four Lakh Eighty Four Thousand Four Hundred Forty One) only. only.
Earnest Money deposit: -	Rs. 9690/- (Rupees Nine Thousand Six Hundred and Ninety) only
Time period of completion: -	3 (Three) Months

Name of Work: Raising of Neck of Manhole / Handhole in UG duct route under the area of AGM East BSNL, Nagpur (Phase-II FY 2024-25)

Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT
1	2	3	4	5	6
1	Dismantling the existing bituminous road/ concrete road/ water bound macadam etc and stacking the serviceable materials as directed, disposal of the surplus dismantled material by mechanical transport in conformity with the applicable bye laws of local bodies.	3.00	One Cubic Metre	882.58	2648.00

2	Identifying the blockages in the Duct pipe 110mm by pushing the HDPE pipe 40mm dia. Pipe by manually and cleaning the blockage if any by brushing and carrying out mandril test of 90mm dia. As per the direction of E.I.C. including bailing out water by pump from manhole/duct etc. complete. The item includes labour charges for operating Manholes / ducts etc. complete for examination and assistance for examination and closing the same .(The required HDPE pipe will be arranged by the department at free of cost and same to be returned to the department on completion of the work . The transportation of HDPE pipe will have to be bear by the contractor both ways and nothing extra will be paid on this account. The payment will be made for each location irrespective of no. of ways in the duct.)	4.00	Each	4276.24	17105.00
3	Providing and fixing Locking Arrangement Assembly in Manhole Entries as per the drawings, sliding shutters with locking arrangement and its guide rails in M.S. angles, square bars, flats, etc, cutting, welding, drilling holes wherever required, fixing the guide rails in position with metallic expanding fasteners of approved size and type and the matching sunken head bolts including drilling of holes in RCC works, hot etc. at the sliding surface and in the guide rails etc. complete as per the direction of Engineer-In-Charge.	90.00	Per Kilogram	134.49	12104.00

4	<p>Providing and fixing in position reinforced Concrete Cover with Spring Fibre Conforming to MD-10 and its assembly for 690 mm. nominal dia manhole opening as per the drawing Nos. CD/3A & CD/3B; 850 mm dia outer rim made of M.S. angle of size 110 x 80 x 3 mm and fixed in position with the help of 6 Nos. hold fasts; 107 mm. thick and 820 mm. dia cover with M.S. angle rim of size 107 x 65 x 3 mm. on side and 1.6 mm. M.S. bottom plate; necessary reinforcement welded to the rim; welding wherever necessary; cement concrete mix 1:1:2 (1 Cement : 1 Coarse sand : 2 graded stone aggregate 12.5 mm nominal size) with spring steel fibre conforming to I.S.12592 (part I)-1988 @ 0.75% by Volume of concrete; Steel work hot dipped galvanised; the necessary lifting arrangement; embossing on cover as required; filling grease in gaps between cover and its frame etc; complete as per direction of the Engineer-In-Charge.</p>	3.00	Each	5635.43	16906.00
5	<p>Providing and fixing in position reinforced Concrete Cover with Spring Fibre Conforming to MD-10 and its assembly for 690 mm. nominal dia manhole opening as per the drawing Nos. CD/3A & CD/3B; 107 mm. thick and 820 mm. dia cover with M.S. angle rim of size 107 x 65 x 3 mm. on side and 1.6 mm. M.S. bottom plate; necessary reinforcement welded to the rim; welding wherever necessary; cement concrete mix 1:1:2 (1 Cement : 1 Coarse sand : 2 graded stone aggregate 12.5 mm nominal size) with spring steel fibre conforming to I.S.12592 (part I)-1988 @ 0.75% by Volume of concrete; Steel work hot dipped galvanised; the necessary lifting arrangement; embossing on cover as required; filling grease in gaps between cover and its frame etc; complete as per direction of the Engineer-In-Charge.</p>	3.00	Each	3566.98	10701.00

6	Providing and fixing in position 825 x 650 x 90 mm. reinforced concrete cover with Spring Fibre conforming to MD-10 grade as per IS- 12592 (Part-I)-1988, to the handhole as per the drawing Nos. CD/04; bottom and side rim of the cover in M.S. sheet; necessary reinforcement welded to the M.S. sheet rim; welding wherever necessary; concrete mix in 1:1:2 (1 Cement : 1 Coarse sand : 2 graded stone aggregate 12.5 mm. nominal size) mixed with spring steel fibre (conforming to I.S- 12592 (Part-I)-1988 at 0.75% by volume of concrete; steel work shall be hot dipped galvanised;the necessary lifting arrangement; embossing of cover as required; filling grease in gaps between cover and frame; etc; as per direction of the Engineer-In-Charge.	9.00	Each	4196.69	37770.00
7	Raising of Manhole neck upto 300mm by dismantling and removing the existing frame, overlapping necessary reinforcement bars, providing R.C.C 1:1.5:3 (1 cement: 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size.) including necessary centering/shuttering required as directed by Engineer-In-Charge. (Note: The rate includes necessary straightening, welding holdfast etc to the outer frame of manhole cover and removal of jammed manhole cover if any including transportation to the welding shop etc. Nothing extra shall be paid on any account.) (Reinforcement TMT Bars should be paid in relevant item)				
7.1	Manhole round opening 0.69 M in diameter up to 300MM Neck Height.	23.00	Each	5913.67	136014.00

8	Raising of Handhole frame upto 300mm by dismantling and removing the existing frame, overlapping necessary reinforcement bars, providing R.C.C 1:1.5:3 (1 cement: 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size.) including necessary centering/shuttering required as directed by Engineer-In-Charge. (Note: The rate includes necessary straightening, welding holdfast etc to the outer frame of handhole cover and also removal of jammed handhole cover if any including transportation to the welding shop etc. Nothing extra shall be paid on any account.) (Reinforcement TMT Bars should be paid in relevant item)				
8.1	Handhole frame of Size 1.20 M X 0.70 M upto 300MM	5.00	Each	5943.20	29716.00
8.2	Handhole frame of Size 1.80 M X 0.70 M upto 300MM	12.00	Each	6529.64	78356.00
9	Extra for additional height above 300mm of manhole neck/ Hand Hole more than the stipulated height in relevent items .(Reinforcement TMT Bars should be paid in relevent item)				
9.1	Manhole round opening 0.69 M in diameter	2.70	One Metre	12345.44	33333.00
9.2	Handhole frame of Size 1.20 M X 0.70 M	2.00	One Metre	11373.85	22748.00
9.3	Handhole frame of Size 1.80 M X 0.70 M	4.00	One Metre	13651.35	54605.00
10	Removing and refixing of jammed manhole / handhole covers from existing manhole/ handhole, complete all as directed by E-I-C. (Due care to be taken to avoide any damages to manhole /handhole covers, manhole/handhole frames etc.Rate includes cost of operation , labours etc. Nothing extra shall be paid on any account.)	4.00	Each	903.80	3615.00

11	Searching of burried manhole / handhole of any size, including demolishing of bitmnous / concrete / earth road, disposal of debris to place as permitted by local body etc., complete all as directed by E-I-C. (Due care to be taken to avoide any damages to manhole /handhole, .Rate includes cost of operation, labours etc. Nothing extra shall be paid on any account.)	13.00	Each	1079.00	14027.00
12	Transportation of damaged/crushed covers from one site to another, from site to departmental store including removing loading unloading transportation fixing etc. Complete as directed by E.I.C.	6.00	Each	555.50	3333.00
13	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
13.1	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	1.00	One Cubic Meter	6460.43	6460.00
14	Cleaning of UG duct Man hole / handhole of available size specified including removing debris, malwa etc, as per the direction of Engineer-In-Charge.	4.00	Each	1250.00	5000.00

TOTAL 4,84,441.00

Estimated Cost	Rs 4,84,441.00
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