



BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

OFFICE OF THE GENERAL MANAGER, HASSAN TELECOM DISTRICT
BSNL BHAVAN, BM ROAD, HASSAN-573 201
"An ISO 9001:2000 Certified Company"

BID DOCUMENT

**Tender For Underground Cable
Construction Works
In Hassan Telecom District**

(Underground cables including 5Pair cable, Optical Fiber cable and DPs/Pillars/Mini Pillars)

Tender No.W-5/Tender/UGC/2009-10/4 dated 22 -08-2009

Document No.	
AREA OF CONTRACT	HASSAN SSA
ISSUED TO [NAME & ADDRESS]	
DD/CASH RECEIPT NO	
DT OF ISSUE	
Signature of issuing officer	

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BHARAT SANCHAR NIGAM LIMITED
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OFFICE OF THE GENERAL MANAGER, HASSAN TELECOM DISTRICT
BSNL BHAVAN, BM ROAD, HASSAN-573201
"An ISO 9001:2000 Certified Company"

NIT No.W-5/Tender/UGC/2009-10/ dated at Hassan the 22-08-2009

SECTION – I

Notice Inviting Tender for Underground Cable Construction works including 5Pair cable, Optical Fiber cable and DPs/Pillars/Mini Pillars

Properly sealed tenders with packing PVC tape / Sealing wax are invited by the General Manager, BSNL Hassan Telecom District, Hassan, for "**Underground Cable Construction works including 5Pair cable and Optical Fiber cable and DPs/Pillars/Mini Pillars**" in Hassan SSA from the eligible bidders having minimum experience in execution of Trenching / drainage/ power cable laying / UG water pipe works / P.W.D Road construction works in DOT / BSNL / PWD / BWSSB / National Highways / Electricity Board/ Private companies, Railways or any Government Organizations to an extent of work of Rs. 3 Lakhs in the last two years. The experience certificate for above works issued by a competent authority to issue such certificate shall be enclosed to the bid document including the amount of work carried out.

1. Estimated Cost :

Area of Contract	Description	Estimated cost of work in Rs.	Bid security in Rs.	Cost of Bid document (Non refundable) in Rs.
HASSAN Telecom District	Underground Cable Construction works including 5Pair cable and Optical Fiber cable and DPs/Pillars/Mini Pillars	40,46,702	40,500/-	563/-

The document shall accompany the requisite Bid Security [EMD].

1. Period of contract is for one year from the date of agreement (Unless otherwise specified)
2. **Mode of payment:** Tender document can be purchased from **Sub-Divisional Engineer (MIS), O/o General Manager, BSNL, IV Floor, BSNL Bhavan, BM Road, Hassan -573201** by paying cost of bid document Rs. 563/- either in cash payable at cash counter or DD drawn in favor of BSNL Hassan TD or can be downloaded from our www.karnataka.bsnl.co.in/tender/telecom/tender-ssa.htm in which case, the cost of the tender documents of Rs. 563 /- is required to be paid in the form of crossed DD drawn in favor of " BSNL Hassan TD" Hassan and enclosed to the tender documents. EMD is

to be paid in the form of Crossed Demand Draft issued by a scheduled bank, drawn in favor of "BSNL Hassan TD" payable at Hassan.

- | | | |
|----|--|---|
| 3 | Sale of Tender documents:
(On all working days) | Between 11.00 Hrs to 17.00 Hrs
from 24-08-2009 to 15-09-2009 |
| 4. | Time & last date of submission of Bid | 15:00 Hrs. of 16-09-2009 |
| 5. | Time & Date of Bid opening | 15:30 Hrs of 16-09-2009 |
| 6. | Disqualification of Bids | |

The General Manager, BSNL Hassan Telecom Dist. Hassan, reserves the right to disqualify such bidders

1. who had a record of not meeting the contractual obligations against earlier contracts entered into, with the BSNL or any other organizations,
 2. who have been already black listed/terminated by BSNL/any other organizations in any part of the country during the last two years
 3. The Firms and Companies which have the contractors as proprietors or partners, whose contract agreements have been terminated/black listed by BSNL/any other organizations during the last two years
7. **The General Manager, BSNL Hassan TD** reserves the right to reject any or all tenders at all stages without assigning any reason what- so -ever.

Timely execution of works with requisite quality at competitive costs is the essence of the contract. Tender documents will not be sent by post to the bidders.

**Asst. General Manager (Planning)
O/o General Manager, BSNL
Hassan -573201**

Telephone No: 08172 - 259211
FAX No : 08172 - 233350

SECTION II

CHECK LIST FOR BIDDERS

Bidders are requested to ensure the following, before sealing the envelopes.

- i. Study of complete Bid documents.
- ii. Signature of bidder with date on all pages of the bid and enclosures.
- iii. Bid form [Section -III] & Bidders Profile [Section - IV] should be duly filled & signed with all other bid documents enclosed as per Clause 3 of Section V.
- iv. Experience certificate supported with value of the work executed.
- v. Enclosing the copies of Service Tax, PAN along with the bid documents is mandatory. However, if the bidder has got ESI, EPF registration, Labour registration, VAT etc., the copies of the same can be enclosed.
- vi. Bid Security in the form of DD drawn in favor of "BSNL Hassan TD" is enclosed.
- vii. Envelope containing the tender document should be super scribed as **"TENDER FOR UNDERGROUND CABLE CONSTRUCTION WORKS"** as per clause 11.1 of Section V and addressed correctly to the ASSISTANT GENERAL MANAGER [PLG], O/o General Manager, BSNL Bhavan, IV Floor, BM Road, Hassan-573 201.
- viii. Envelope should be sealed either by sealing wax or by packing PVC tape on all corners of the envelope containing the tender documents.
- ix. Bid Documents shall be dropped either in person in the tender box placed in the office of Assistant General Manager (Plg), O/o General Manager BSNL, IV Floor, BM Road, Hassan or by Registered/ Speed Post only on or before **1500 Hrs of 16-09-2009**, as mentioned in the NIT.

Section - III

BID FORM

To,
The General Manager,
BSNL, Hassan Telecom District,
BSNL Bhavan, BM Road,
Hassan –573201.

Sub: Tender for Underground Cable Construction works in Hassan SSA
Ref: W-5/Tender/UGC/2009-10/4 dated at Hassan the 22-08-2009

Dear Sir,

Having examined the conditions of contract & specification including addenda No..... the receipt of which is hereby duly acknowledged, we/I the undersigned, offer to execute the Underground Cable Construction Works including 5Pair cable and Optical Fiber cable and DPs/Pillars/Mini Pillars in confirmation to the terms & conditions, specification of contract as set in the bid in accordance with the schedule of prices attached herewith & made part of this Bid.

We undertake, if our Bid is accepted, to execute the work in accordance with specifications, time limits, terms & conditions as stipulated in the tender document.

If our Bid is accepted, we shall submit the securities as per the conditions mentioned in the contract.

We agree to abide by this Bid for a period of 120 days from the date fixed for Bid opening (Qualifying Bid) and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

Until a format Agreement is prepared & executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

Bid submitted by us is properly sealed & prepared so as to prevent any subsequent alteration & replacement.

Dated this day of 2009

Signature of Authorized Signatory:
In the capacity of:
Duly authorized to sign the Bid for and on behalf of

Witness.....
Address.....

SECTION – IV

BIDDER'S PROFILE

Passport size
photograph of the
tenderer/authoriz
ed holding power
of Attorney

General:

01. Name of the Bidder / Firm
02. Name of the person submitting the tender whose Photograph is affixed.
Shri / Smt
(In case of Proprietary / Partner ship firms, the tender has to be signed
by Proprietor / Partners only, as the case may be)
03. Address of the Bidder:

04. Telephone Numbers
Office :
Residence :
FAX :
Mobile :
05. Registration & Incorporation particulars of the Firm:
i) Proprietorship
ii) Partnership
iii) Private Limited
iv) Public Limited

*(Please attach attested copies of documents of registration / incorporation of your firm with the
competent authority as required by Business Law)*
06. Name of Proprietor / Partners / Directors

07. Bank Particulars of the bidder
1. Name of the Bank/Branch/Code :
2. Accounts No(s) :
08. Permanent Income Tax number (PAN)
09. Amount and Year during which income tax was last paid:
10. VAT Registration NO:
11. SERVICE TAX REGN NO:

12. Infrastructural capabilities :

- a) Maximum capacity of trenching per day (In Meters) :
- b) Maximum capacity of cable laying per day (In meters) :
- c) Maximum capacity of pulling cable per day (In Meters) :
- d) Maximum capacity of engaging Labours per day (No of Labourers) :
- e) Particulars of vehicles possessed by the bidder (Nos.) :

Type of vehicles	Registration No	Station where available
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13. Details of Technical & supervisory staff:

Certified that the information given above is true and if any information is found to be false or misleading the tender / contract may be cancelled.

Place :

Signature of the bidder:

Date :

Name:

SECTION – V

INSTRUCTION TO BIDDERS

DEFINITIONS & AREA OF JURISDICTION OF CONTRACT

1.0 DEFINITIONS:

- 1.01 CMD BSNL means, Chairman & Managing Director, BHARAT SANCHAR NIGAM LIMITED, a Govt. Company headquartered at NEW DELHI and Circle offices at various state headquarters and SSA offices at various District Head Quarters in India.
- 1.02 Company : Company means BSNL or Bharat Sanchar Nigam Limited, A Government of India Enterprise,
- 1.03 The GM TD means the General Manager of Hassan Telecom District, Hassan.
- 1.04 Representative of GMTD means officers and staff of BSNL for the time being in “HASSAN. TELECOM DISTRICT” delegated by the GMTD for inspecting or supervising the work or testing etc.
- 1.05 A/T In-charge means, the officer authorized by the competent authority to carry out Acceptance Testing of (A/T) of cable construction works.
- 1.06 The term “CONTRACTOR” means successful bidder(s) whose tender has been accepted and shall include the person or persons, firm or company with whom the contract has been placed including their heirs, executors, administrators, successors and their permitted assignees, as the case may be.
- 1.07 The term “CONTRACT” shall mean and include the invitation to tender incorporating also the instructions to bidder(s), its appendices, annexure and schedules, acceptance of tender and such general and special conditions as may be added to it.
- 1.08 JURISDICTION OF GMTD, Hassan means Hassan Telecom District covering Hassan District.
- 1.09 Officer In-charge of the work means SDE/JTO In-charge of the section where work is being executed.

2.0 ELIGIBILITY OF BIDDERS

Having minimum experience in execution of Trenching / drainage/ power cable laying / UG water pipe works / P.W.D Road construction works in DOT / BSNL / PWD / BWSSB / National Highways / Electricity Board/ Private companies, Railways or any Government Organizations to an extent of work of Rs. 3 Lakhs in the last two years. The experience certificate for above works issued by a competent authority to issue such certificate shall be enclosed to the bid document including the amount of work carried out.

2.1 DISQUALIFICATION of BIDDERS

The General Manager, BSNL Hassan Telecom Dist. Hassan, reserves the right to disqualify such bidders

1. who had a record of not meeting the contractual obligations against earlier contracts entered into, with the BSNL or any other organizations,
2. who have been already black listed/terminated by BSNL/any other organizations in any part of the country during the last two years
3. The Firms and Companies which have the contractors as proprietors or partners, whose contract agreements have been terminated/black listed by BSNL/any other organizations during the last two years

3.0 BID DOCUMENTS:

The construction work to be carried out, goods required, bidding procedures & contract terms are prescribed in the bid documents. The bid documents to be treated as qualifying should include,

1. Notice Inviting Tender
2. Check list
3. Bid Form
4. Bidder's Profile
5. Instruction to Bidders
6. Scope of cable construction works
7. General Terms & conditions
8. Agreement (Specimen)
9. Letter of Authorization for Attending Bid Opening
10. Letter of under taking
11. Rate Schedule

The bidder is expected to examine all instructions, forms, terms and specifications in the bid documents. Failure to furnish any information required as per the Bid documents or submission of bids not substantially responsive to the bid documents in every respect will be at the bidder's risk and shall result in rejection of the bid.

4.0 QUERIES ON BID DOCUMENTS:

A prospective bidder, requiring any clarification of the Bid Documents shall notify the Company in writing or by fax to company's mailing address indicated in the invitation for Bids. The company shall respond in writing to any request for clarification of the Bid Documents, which it receives not later than 7 days prior to the date for the opening of the bids. Copies of the query (without identifying the source) & the clarifications by the company shall be sent to all the prospective bidders who have purchased the bid document & all such clarifications issued by the company will form part of the bid document.

5.0 AMENDMENT OF BID DOCUMENTS:

- 5.1 At any time, prior to the date for submission of bids, the company may, for any reason whether sue motto or in response to a clarification requested by a prospective Bidder, modify the bid documents by amendments.
- 5.2 The amendments shall be notified in writing or FAX to all prospective bidders on the address intimated at the time of purchase of bid document from the company & these amendments will be binding on them.
- 5.3 In order to afford prospective bidders reasonable time to take the amendments into account in preparing their bids, the company may, at its discretion, extend the deadline for the submission/opening of bids suitably.

6.0 PREPARATION OF BIDS

- 6.1 The bidder shall bear all costs associated with the preparation & submission of the bid. The company will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- 6.2 The bidder shall furnish, as part of his bid documents establishing the bidder's eligibility, the following documents,

1. Bid Security [EMD]
2. Tender document(s), in original, duly filled in and signed by bidder or his authorized representative on each page. All corrections and over writing must be initialed with date by the bidder or his authorized representative.
3. The registration of the firm, authenticated copy of partnership deed in cases of partnership firm
4. Bid form, duly filled in as per section III.
5. Original "Power of Attorney" in case, person other than the bidder has signed the tender documents.
6. The experience certificate having minimum experience in execution of Trenching / drainage/ power cable laying / UG water pipe works / P.W.D Road construction works in DOT / BSNL / PWD / BWSSB / National Highways / Electricity Board/ Private companies, Railways or any Government Organizations to an extent of work of Rs. 3 Lakhs in the last two years. The experience certificate for above works issued by a competent authority to issue such certificate shall be enclosed to the bid document including the amount of work carried out.
7. Copy of the PAN Registration
8. Copy of Service TAX Registration Certificate. If not registered, the successful bidder shall get registered themselves with Service TAX authorities after issue of letter of intent and produce before entering into agreement.

If any of the documents enclosed is found not genuine on verification, besides the rejection of the bid, the bidder shall be liable for suitable action as deemed in accordance with the prevailing laws. Bidder may submit the supporting documents for consideration obtained from competent authorities for any exemption. Copy of PAN, Service Tax and Experience certificate should be self attested.

7. BID SECURITY:

- 7.1 The bidder shall furnish the requisite bid security (EMD) as specified in NIT. No interest shall be paid by the company on the Bid security for any period, whatsoever
- 7.2 The bid security is required to protect the company against the risk of bidder's conduct, which would warrant forfeiture of EMD/Security deposit, pursuant to clause 7.7.
- 7.3 Bid Security shall be paid in the form of Crossed Demand Draft issued by a scheduled bank drawn in favor of BSNL Hassan TD, payable at Hassan.
- 7.4 A bid not secured in accordance with clause 7.7 shall be rejected by the company as non responsive. However, GM, Hassan can decide the case as per clause 16.5 of section V.**
- 7.5 The bid security of the unsuccessful bidder will be refunded as early as possible, but not later than 30 days after the expiry of the period of bid validity prescribed by the company.
- 7.6 The successful bidder's bid security will compulsory be converted into security deposit
- 7.7 The bid security shall be forfeited,
1. If a bidder withdraws his bid during the period of bid validity as specified in the bid document
 2. If the bidder makes any modifications in the terms & conditions of the tender before acceptance of the tender, which are not acceptable to the company.
- 7.8 In case of a successful bidder, security deposit will be forfeited, if the successful bidder fails,
- i) To sign agreement in accordance with clause 24.
 - ii) To furnish additional Security Deposit in accordance with clause 23.3 & 23.9.
 - iii) To furnish Certificate of Registration from the Assistant Labour Commissioner [Central] after issue of form V & Labour License after issue of form VI-B with in 15 days of issue of form V

8. BID PRICES:

- 8.1 The bidder shall give the total composite price inclusive of all levies & taxes, packing and forwarding, freight & insurance in case of materials to be supplied and inclusive of all taxes in case of works to be executed(excluding Service Tax). The contractor shall be responsible for transportation of materials to be supplied by the Company (from either the District Telecom Store or Sub Division Store) or otherwise to execute the work under the contract, to the site inclusive of handling at his/her/their own cost. Transportation of balance materials from the work spot to the store yard either Divisional stores or Sub Divisional Stores also has to be undertaken by the contractor at his own cost. Hence no separate charges are payable on this account.
- 8.2 Prices shall be quoted in the schedule of rates.
- 8.3 The price quoted by the bidder shall remain fixed during the entire period of contract & shall not be subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive & rejected.

9.0 PERIOD OF VALIDITY OF BIDS:

- 9.1 Bid shall remain valid for 120 days from date of opening of the bid. **A BID VALID FOR A SHORTER PERIOD SHALL BE REJECTED BY THE COMPANY AS NON - RESPONSIVE.**
- 9.2 The company reserves the right to request the lowest 3 bidders as per read out list on the opening day to extend the bid validity for a period of further 120 days & the bidder has to necessarily extend the bid validity. Refusal to extend the bid validity will result in forfeiture of the bid security. A bidder accepting the request & extending the bid validity **will not be permitted to modify his bid.**

10.0 SIGNING OF BID:

- 10.1 The bidder shall submit, as a part of his bid, the bid documents (in original) duly signed on each & every page, establishing the conformity of his bid to the bid documents of all the works to be executed by the bidder under the contract. **(Note: The bidder is advised to keep a photocopy (at his own cost) of the bid document for his own reference.)**
- 10.2 The bid shall contain no inter-lineation, erasures or overwriting except as necessary to correct errors made by the bidder in which case, such corrections shall be signed with date by the person or persons signing the bid.

11.0 SUBMISSION OF BIDS:

- 11.1 All the covers (inner and outer) must bear the following:
“Tender for Underground cable construction works”
- 11.2 Bid Documents shall be dropped either in person in the tender box placed in the Chamber of Asst. General Manager (Plg), O/o General Manager BSNL, IV Floor, BM Road, Hassan or sent by Registered/Speed Post such that it reaches Assistant General Manager[Plg] on or before **15:00 Hrs of 16-09-2009** as mentioned in the NIT. The Documents sent by any other means will not be accepted. The slit of the tender box will be sealed immediately after the specified time for receipt of tender. Any tender presented in person after the sealing of box will not be received by GM Hassan TD or any of the subordinates or will not be allowed to be deposited in the tender box. Bid document received by Regd. post /Speed Post after expiry of scheduled time will not be considered even if the delay is due to Postal Authority.
- 11.3 Postponement of Tender opening: Whenever it is considered necessary to postpone the opening date of tenders, quick decision must be taken & communicated to the bidders who have purchased the documents & shall be at least one day before the original date of opening. The reasons for postponing the tenders shall be recorded in writing. Such notice of extension of date of opening shall also be put on the notice board & also published in the newspaper in which original NITs have been published. If the date of opening of bids is declared as holiday, the bids will be opened on the next working date at the same time & venue.
- 11.4 The Government of India if subsequently declares date fixed for opening of bids as holiday, the revised schedule will be notified. However, in the absence of such notifications, the bids will be opened on next working day, time & venue remaining unaltered.

12.0 LATE BIDS:

Tenders will not be received after the specified time of closing of the tender & the same shall be rejected & returned unopened to the bidder. It is the sole responsibility of the bidder to ensure timely submission of tender.

13.0 MODIFICATION AND WITHDRAWAL OF BIDS:

13.1 The bidder may modify or withdraw his bid after submission & before opening, provided that the intimation is deposited by the bidder in a properly sealed envelope (with Wax/Packing PVC tape) in the tender box, before the scheduled time & date for closing of tender.

13.2 No bid shall be modified after the bids are opened.

14.0 BID OPENING AND EVALUATION:

14.1 The Bid Opening Committee approved by GM TD Hassan shall open the bids in the presence of bidders or his authorized representatives who choose to attend, at 15:30 Hrs on **16-09-2009**. The bidders/representative, who are present, shall sign the attendance register. The bidder's representative shall submit a letter of authority to this effect before they are allowed to participate in the bid opening (format is given in section -IX)

14.2 Only one representative per tender shall be allowed to be present during the opening of tender.

14.3 The bids shall be opened in the following manner,

1. The Tender opening committee shall count the number of bids & assign serial numbers to the bids. For example, if 10 tenders have been received the bids shall be numbered as 1 of 10, 2 of 10 etc. All the members of TOC shall initial on the outer envelopes of all the bids with date.
2. The envelopes containing the tender offer & not properly sealed, as required vide clause 11.1 shall not be opened & be rejected outright. Closing the cover by gum will not be treated as sealed cover. The reasons for not opening such tender offers shall be recorded.
3. The bidders who have submitted proper bid security as per tender document, the bid shall be examined & recorded by the TOC. After opening the bid all the documents contained therein shall be serially numbered & signed by the bid opening committee members.
4. In case of discrepancy in figures & words in the quote for rates offered by the bidder, the same shall be announced in the bid opening, but the quote in words shall prevail.

15.0 CLARIFICATION OF BIDS BY THE COMPANY:

To assist in examination, evaluation & comparison of bids, the Company may, at its discretion asks the bidder for clarification of its bid. The request for its clarification & bidder's response shall be in writing. However, no post bid clarification at the initiative of the bidder shall be entertained.

16.0 PRELIMINARY EVALUATION:

- 16.1 Company shall evaluate the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed & whether the bids are generally in order.
- 16.2 If there is discrepancy between words & figures, the amount in words shall prevail. If the contractor does not accept the correction of the errors, his bid shall be rejected.
- 16.3 Prior to the detailed evaluation the company will determine the substantial responsiveness of each bid to the bid document. For purpose of these clauses a substantially responsive bid is one, which conforms to all the terms & conditions of the bid documents without deviations. The company's determination of bids responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 16.4 **A bid, determined as substantially non-responsive will be rejected by the company & shall not subsequent to the bid opening be made responsive by the bidder by correction of the non- conformities.**
- 16.5 The company may waive off any minor infirmity/non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of the bidder.

17.0 EVALUATION AND COMPARISON OF SUBSTANTIALLY RESPONSIVE BIDS:

- 17.1 The company shall evaluate in detail & compare the bids previously determined to be substantially responsive pursuant to clause 16.
- 17.2 The L1 will be decided based on the Lowest total value of the work arrived at, which shall be realistic and rational by applying the quoted rates on the estimated quantity of each item of work shown in **Rate quoting Schedule**. GMTD Hassan is not bound to accept the lowest one and the L1 rates are further subject to negotiation, if felt necessary by the General Manager BSNL Hassan.

18.0 CONTACTING THE COMPANY:

- 18.1 Subject to clause 15 no bidder shall try to influence the company on any matter relating to its bid, from the time of bid opening till the time the contract is awarded.
- 20.2 Any effort by the bidder to modify his bid or influence the company in the company's bid evaluation, bid comparison or the contract award decision shall result in the rejection of the bid.

19.0 AWARD/VALIDITY OF CONTRACT:

- 19.1 The General Manager, Hassan TD shall consider award of contract only to those eligible bidders whose offers have been found technically, commercially & financially acceptable. The General Manager Hassan TD reserves the right to award contract for more than one contractor at the L1 rates for equitable and uniform distribution of works. If more than one contractor is awarded, all have to pay full Security Deposit and EMD separately as per the tender clause. If the contract is awarded for two bidders, L1 will get 70% and L2 will get 30% of the quantity/work approximately as per the distribution policies of BSNL.

- 19.2 validity of the contract shall be one year from the date of signing of agreement between the company & the contractor. The price once fixed will remain valid for the period of contract. Increase & decrease of taxes /duties should not affect the basic prices during the contract period.
- 19.3 However, period of contract can be extended with the mutual consent of both the company and the contractor for a period as deemed necessary by the company. Willingness in writing to be under taken by the contractor.

20.0 COMPANY'S RIGHT TO VARY QUANTUM OF WORK

The General Manager, at the time of award of work under the contract, reserves the right to decrease or increase the work by up to 25 % of the total quantum of works specified in the schedule of requirements without any change in the rates or other terms & conditions.

21.0 COMPANY'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:

The General Manager, Hassan TD, reserves the right to accept or reject any bid & to annul the bidding process & reject all bids, at any time prior to award of contract without assigning any reason whatsoever & without thereby incurring any liability to the affected bidder or bidders on the grounds for the company's action.

22.0 ISSUE OF LETTER OF INTENT

- 22.1 The issue of letter of intent shall constitute the intention of the company to enter into the contract with the bidder. Letter of intent will be issued as an offer to the successful bidder.

23.0 SECURITY DEPOSIT

1. ADDITIONAL SECURITY DEPOSIT

- 23.1 EMD of the successful bidder will be automatically converted into Security Deposit.
- 23.2 Further, equal amount of the EMD as additional Security deposit should be paid by the contractor as a guarantee for the satisfactory execution and good performance of the contract
- 23.3 The successful Bidder shall within 10 days of issue of letter of intent, furnish additional Security deposit equal to EMD amount in the form of DD drawn in favor of "BSNL Hassan TD" payable at Hassan and enter into an agreement on a stamp paper of Rs.100.00.
- 23.4 The EMD & SD will remain unchanged even if more than one contractor is selected.
- 23.5 The Security deposit will not bear any interest while in the custody of BSNL
- 23.6 The Security deposit is liable to be forfeited either in full or in part, if the contractor fails or neglects to perform any of his obligations under the terms and conditions of the tender/work order placed on the contractor.
- 23.7 The Security Deposit will be released after satisfactory completion of the contract period subjected to furnishing of satisfactory certificate from the work in charges.
- 23.8 The contractor shall send a pre-stamped receipt with a request to get refund of Security Deposit after six months but not later than one year from the date of completion of period of validity of contract, failing which the request for refund of Security deposit will not be considered. However the competent authority shall exercise the powers to release Security Deposit beyond the limit prescribed.

2. MATERIAL SECURITY

- 23.9 Besides the additional Security Deposit, contractor will have to deposit Material Security of Rs.50,000/- either in the form of DD drawn in favor of “BSNL Hassan TD” payable at Hassan or in the form of Bank Guarantee in a nationalized bank covering for a period of 18 months.
- 23.10 The proceeds of Material security shall be payable to the Company as a compensation for any loss resulting from the contractor’s failure to handle properly the stores issued to him under the contract/work order.
- 23.11 The Material security shall be released/refunded within a fortnight from the date of payment of last final bill of the work under the contract or final settlement of material account whichever is later on production of **No dues Certificate** from the work in-charge.

24.0 SIGNING OF AGREEMENT:

The signing of agreement shall constitute the award of contract on the bidder. The agreement with the successful bidder shall be signed by the company within a week of submission of security as per clause 23.3 above.

25.0 ANNULMENT OF AWARD:

Failure of the successful bidder to comply with the requirement of clause 24.0 shall constitute sufficient ground for the annulment of the award & forfeiture of the bid security, in which event the company may make the award to any other bidder at the discretion of the company or call for new bids.

SECTION – VI

Specification for Underground Cable Construction works including 5Pair cable, Optical Fiber cable and DPs/Pillars/Mini Pillars

1.0 Trenching:

- 1.1 Excavation of trenches in all types of soil like Non surfaced Strata [non rocky, rocky], Surfaced strata [Tarmac & Asphalt footpath, tiled footpath, Cement concrete foot path , along road side, Road crossings , at a normal depth specified below.
- 1.2 Excavation of trench includes cutting of tree roots, removal of any other constructions like boulders, removal of bushes, wetting the trench with water etc. for which no additional payment will be made. After digging, the trench shall be cleared off from stones and other sharp edge materials that a smooth bed is available for laying the cables.
- 1.3 All the UG cables other than 5 Pair are to be laid in trenches of standard depth 90 cms from the bottom of the cable to the top of the trench. The standard depth for 5 Pr Cable is 60 Cms. The standard width of the trench is 30cms, both top and bottom sides. However, top width is recommendatory while the bottom width is mandatory.
- 1.4 In case of concrete court yard/verandah/pavement, minimum depth of 10 cms exclusively for 5 pair cable to be maintained.
- 1.5 For OF cable, standard depth should be 165 cms.

2.0 Trenches of less depth, Relaxation

The depth of trench is very important for future life of cables. Therefore, the contractor is expected to ensure that the standard depth is maintained in normal circumstances. However due to obstructions or any other reasons beyond the control of the contractor, if the depth of the trench is less than the standard depth but up to a certain limit, the following procedure shall be adopted,

- 2.1 Depth, less than standard may be accepted as indicated here under. However no relaxation shall be granted if digging is possible. Suitable precaution like solid laying, laying through GI pipes etc., are to be deployed wherever depth relaxation is required. Competent authorities for giving depth relaxation is given below.

Size of the cable	Standard depth (in Cms)	Minimum depth acceptable without relaxation (in Cms)	Powers delegated for relaxation for depth up to (in Cms)	
			DE	DGM
Other than 5pair Cable	90	80	70	40
5 Pair cable	60	60	50	40
OF Cable	165	155	145	140

The General Manager, Hassan shall be the final authority for further depth relaxation subject to detailed justification from the work in charge.

3. Procedure for back filling & consolidation of the Trench:

- 3.1 After the cable is laid, placing of bricks / RCC pipes or protection by other means, HDPE pipe as protection wherever OF cable is laid, the trench is to be back filled with the soil excavated and to be compacted so as to make it free from risk of sinking, and the road usable for traffic.

- 3.2 Earth filling and leveling should be done in a phased manner. The trench so filled with soil should be rammed with suitable device. After this next layer of soil has to be put and well rammed. This process should be continued till the entire trench is filled and ready for use. The idea is that the trenches are properly packed after back filling. It should be the aim to put all excavated soil back into the trench and pack properly to avoid subsequent sinking, leaving a 6" hump above the trench. The remaining excavated materials, shall be disposed off at contractors cost to the satisfaction of In charge of work and the local body / owner of the premises, before shifting the workers.
- 3.3 The cost of back filling and consolidation is included in the rates for digging of trenches hence no amount shall be claimed separately for the same.
- 3.4 Exclusively for 5pair cable, wherever trenching in concrete surface involved (refer clause 1.4), proper closing of the trench should be done with cement concrete [1:2:4]. Top surface should be smooth finished to the same level of the existing.

4 RCC PIPE LAYING AT ROAD CROSSING:

RCC Pipes of suitable size supplied by BSNL shall be used at the road crossings. Pipe laying work includes jointing of collars and if earth cushion is less than 30 cms above the top of the RCC pipe, cement concrete of thickness 15 cms made of 1:2:4 proportion as protection above the pipe is to be used. The road shall be leveled and made traffic worthy without any bumps or depressions. Depending upon the area where road crossing has to be done, the work may have to be carried out during night and may have to be completed before next morning, so as to avoid disruption of traffic. In case of large road crossings, it shall be done in two parts, and the part that has been taken up has to be completed before the next day morning. Only the RCC pipe along with collars shall be provided by BSNL. Work-in-charge should take permission from the Police / PWD / Local authorities wherever necessary and the copy of the permission should be made available to the contractor.

5. GI PIPE LAYING ON BRIDGES AND CULVERTS:

- 5.1 At bridges and culverts, the cable shall be laid in GI/RCC pipes of suitable size. The pipe has to be clamped on the outer side of the parapet wall or on top of the arch adjoining the parapet wall by digging close to the wheel guard. At the end of bridges/culverts, cable and protection pipe should not remain exposed.
- 5.2 The clamp shall be at an interval of not more than 50 cms. Clamping material of approved quality (viz., galvanized saddles or clamps having minimum 25mm width and 3mm thickness) shall be supplied by the contractor. The nails/nuts & bolts / coach screws shall be of appropriate dimensions to bear the stress / strain for adequately longer period and at the cost of the contractor. Only GI/RCC pipes shall be supplied by BSNL.
- 5.3 The pipe may have to be fully embedded in cement concrete if the GI pipe is required to be laid on bridge surface. Cost of the Cement Concrete shall be paid by the department.
- 5.4 Even in other cases, if Cement Concrete is required the contractor has to arrange CC works as per directions of work in charge. The cost of the CC shall be paid by the BSNL.
- 5.5 Wherever cable trench depth is less than 30 Cms (other than 5 pair cable and OF Cable) GI Pipes/Tubes are to be laid as per direction of work in charge before laying the cable. Transporting GI pipes/tubes from store yard to the site and laying of pipes/tubes is at the cost of the contractor. GI pipes/tubes will be supplied by BSNL.

6.0 LAYING OF CABLES IN TRENCHES.

- 6.1 The cable above 200 pairs shall be laid in the trenches through jack and axle or wheel and axle under the supervision of the work in charge or his subordinate. Adequate overlaps shall be left for joining 2 successive lengths of cables as under,

<u>Size of cable</u>	<u>Length of overlap</u>
1200 Pairs and above	1.5 meter
1200 and 1000 pairs.	1.4 meter
400 and 600 pairs	1.2 meter
Below 400 pairs	1.0 meter

- 6.2 In case the previous length ends in the middle of a carriage way / foot path it should be negotiated out of the carriage way / foot path by laying the next length early and removing the excess overlap cable and depositing to the stores under proper receipt.
- 6.3 Where more than one cables are laid in the same trench jointing location shall be suitably staggered. In case the cable is to be terminated in a pillar / cabinet the length of cable for such termination shall be equal to (jointing length + height of the pillar / cabinet). Sharp bends shall be avoided and bends if any have to be smooth having diameter more than five times the diameter of the cable.
- 6.4 After the completion of laying, sand / sieved earth, free of stones etc., shall be placed over the cable to a height of 7.5 cms, duly leveled and rammed lightly to form a bedding for warning bricks / Half round RCC pipes.
- 6.4 Cable pulling for OFC Cable laying/chambers/indicators may be read with clause 7.9.

7.0 PROTECTION to UG Cables and OF Cable

7.1 Warning brick layer:

Bricks should be laid invariably for UG cable of size 100Pair and above as protection layer. "A" class, fully burnt red bricks of size 9"X4"X3" / 9"X4"X2" (wire cut) shall be used as a warning / protection layer. Bricks shall be used longitudinally over the cables up to 400 pairs and transversely over cables above 400 pairs or two cables of size up to 400 pairs. The bricks shall be supplied by the contractor including cost of loading, unloading and placing over the cables. Approximately 4400 bricks per Kilometer shall be required for laying longitudinally and 9000 bricks per Km shall be required for laying transversely.

- 7.2 For all cables laid at standard depth or depth acceptable without any relaxation, warning layer of bricks shall be provided. However in case of less depth for which other type of protection is recommended, the specified protection shall be provided in place of brick layer.
- 7.3 If the contractor fails to provide bricks, the Company may purchase the bricks at market rate and the amount shall be recovered from the contractor's bill along with 10% handling & supervision charges.
- 7.4 Normally for all cables laid at standard depth or depth acceptable without any relaxation warning layer of bricks shall be provided. However, it is preferred to provide better protection (GI Pipe) to the cables wherever depth is less than the acceptable limit and relaxation is granted in accordance with the recommended protections for various types of cables. The same shall be instructed at the time of granting the relaxation.

7.5 HDPE/PLB Pipe as protection to OF Cable

HDPE/PLB pipes should be used invariably for OF cable as protection at any depth. Even in case of less depth, HDPE pipe should be used as protection along with other protections recommended.

7.6 The company shall supply HDPE/PLB pipe, but transportation and handling are done at the cost of contractor.

7.7 Brick protection is mandatory for higher size of UG cables even if laid in the trench for OF cable

7.8 Burnt bricks used as protection layer should be of the following specification.

- a. Burnt bricks size 9" X 4" X 3"
- b. Size should not vary by more than 2%
- c. The bricks should be laid above the cable of size 100pr and above at the rate of 4 Nos. per each running meter of the cable as per the standard of the Company.
- d. Burnt bricks should be as per CPWD standard, thoroughly burnt and should not increase in weight by more than 20% of its original weight after half an hour of immersion in water. Bricks should not break down when dropped flat on ground from a height of one meter.
- e. Sample pieces (5 Nos.) should be submitted on the day of laying cables for the purpose of testing the comprehensive strength of the bricks by the work in charge.

7.9 Additional works related to OFC Cable laying

1. Invariably HDPE/PLB Pipes to be laid as protection to OF Cable. All along the stretch of HDPE/PLB pipes, plastic rope for pulling the OF cable should be inserted inside the HDPE/PLB pipes to pull OF cable later.
2. HDPE/PLB pipes should be joined properly to pull OF Cable without obstruction.
3. Man holes to be made at regular spans for easy pulling of Optical Fiber cable.
4. Jointing Chambers of dimensions 2mtrsX2MtrsX1.8mtrs for fixing pre-cast jointing chamber with cover or construction of chamber by bricks with suitable cover to be constructed. After the OF cables are laid the chamber to be filled with clean sand. The materials required are to be procured by the contractor.
5. Route indicators and Joint indicators as supplied by BSNL are to be fixed all along the OF cable laid as per instructions of work in charge.

8.0 Pillar Works

8.1 Cabinet/Pillars are to be erected on RCC Plinths. The plinth shall be made of RCC cast at site, the dimensions of the pit for casting the foundation of the plinth shall be as under,

$$\begin{aligned}\text{Length} &= W + 30 \text{ cms.} \\ \text{Width} &= D + 30 \text{ cms.} \\ \text{Depth} &= 110 \text{ cms.}\end{aligned}$$

Where W= Width of the cabinet/pillar shell, D= Depth of the cabinet/pillar shell. Plinth dimension for Mini Pillars are separately given below.

8.2 The Cabinet/Pillar should be installed in safe places on footpaths at suitable locations convenient and accessible for maintenance. Plinth should be made at location as decided by work in charge.

8.3 The Cabinet/pillars are to be erected on RCC plinths as per "BSNL specifications". The work of erecting cabinets and pillars include,

1. Construction of RCC plinth as per specifications shown in drawings. While casting the plinth, copper cable of gauge 7/18 should be buried in the plinth whose lower end shall be connected to a GI plate or GI pipe to form a suitable earth electrode. The wire

shall be sufficiently long (about 2 meters) and shall be terminated on the CT box mounting frame in side the cabinet / pillar. Fixing cabinet / pillar on the plinth shall be done with 10mm bolt at all the positions provided. All the cost of the materials shall be borne by the contractor.

2. Erection of cabinet / pillar shall be done by fixing the cabinet / pillar boxes on the plinth and bolting firmly with the RCC plinth and terminating the earth wire on the frame in side. The department shall supply only the pillar boxes.

8.4 Plinth of dimensions 60CmX45CmX90cm is to be constructed with cement concrete for erecting mini pillar.

8.5 Mini pillars are to be firmly fixed to plinth constructed for this purpose

8.6 To terminate the UG cables in cabinet/pillars/mini pillars, CT Boxes are to be fitted in to as per requirements, and trenching at a standard depth for laying UG cables for approximately about 15 meters as part of pillar work.

8.7 GI pipes, copper cable for earthing, earthing materials shall be arranged by BSNL Hassan.

8.8 Rate quoted by the bidder for pillar work should be inclusive of shifting these earthing materials from the divisional/sub divisional stores to the work spot and returning unused materials to the divisional stores/Sub Divisional Stores.

8.9 Rate quoted by the bidder for pillar work should also be inclusive of other materials required for earthing, painting, concrete materials.

8.5 PILLAR PAINTING & SIGNWRITING

Painting shall be done as per the BSNL specification. The cabinet / pillar/mini pillar shall be cleaned thoroughly and one coat of red oxide primer shall be applied on inside and outside surfaces. After it is dried up spray painting shall be done with gray enamel paint on all surfaces. All materials shall be supplied by the contractor. The Cabinets/pillars/mini pillars shall be painted and sign written with enamel paint of reputed brand. Sign writing shall be done after cleaning the surface with dry cloth with white enamel paint. Number, name, and fixed sign marks shall be sign written in capital letters of size 10cmsX7.5cms. (4" X 3").

9.0 Works related with DPs (External & Internal)

External DPs to be fitted on Posts and the cables to DP are taken through GI Pipe. Whereas Internal DPs are to be fixed on wall and the cable can be taken either through GI pipe or PVC pipe.

- a. External DPs of 5pr / 10pr /20 Pr are to be fitted on post with the help of fixtures such as DP clamps, pole brackets etc.
- b. Fixing of GI pipe /PVC pipe with the help of clamps, nails and saddles at every 30 cms. The clamps should be made of 25mm wide and 3 mm thick of GI stripes properly galvanized.
- c. Pulling of cables through GI pipe /PVC Pipe of approximately 6 ft and fixing of DP box on the wall with the help of suitable plugs/wooden gattas and screws and termination cable.
- d. Drilling holes in walls/ wooden frames using power drill , laying the cable / Drop wire inside the premises through suitable size of wall rings and wall angle rings /0.5" PVC flat conduct pipe and terminating at LJU & DP side after erecting internal DP and Realignment of Drop wires. The LJU should be mounted firmly by using suitable gattas and screws in the subscriber's premises.
- e. The rate should be inclusive of recovery of DP posts, GI pipes, drop wire and coiling & returning to Divisional/Sub divisional store.

f. Sign writing of D.Ps.

The sign writing shall be done on blue background of 300 mm X 200 mm with sign writing in white colour. Enamel paint of reputed brand shall be used for painting & sign writing. The contents of the sign writing are given below

- Abbreviated code of name of SSA.
- Abbreviated code of exchange system.
- Numbering of the DP.

However, following the same as above sign writing for internal DPs may be done on the wall near DP box

The size of the letters and contents according to numbering scheme of DPs in the SSA will be given by work-in-charge.

10.0 CABLE JOINTING WORKS

There are mainly 3 types of joints followed in BSNL.

1. Straight joint for connecting all the pairs of two cables
2. Branch joint for connecting pairs of one cable to two or more different cables branching out at the joint.
3. Teeing joint is done at the time of area transfer or rearrangement of cables in the external plant.

Cable Jointing works consist of the following,

- a. Digging the pit (1M X 1M X 1M) for joint.
- b. Preparation for the Joint.
- c. Jointing of Cable conductors.
- d. Testing of Jointed pairs (100%).
- e. Closing the joint with proper kit.

The joint shall meet BSNL specification. Before closing the joint the contractor should keep a slip inside the joint, indicating the name of the Contractor, Supervisor (BSNL) and date of joint.

The contractor should ensure availability of 100% pairs before closing the joint. The testing has to be done after completion of each joint and for the entire length of the cable. Cost of missing pairs shall be recovered (except manufacturing defect) and decision of GM Hassan shall be final and binding on the Contractor. Cable joint shall be guaranteed for a period of six months from the date of closing the joint. In case of failure of a joint due to poor workmanship (failure of joint without any external damage), within stipulated period of guarantee, the contractor shall repair the joint within this period at his cost. Repair of joint should be done within 24hours.

OF cable jointing will however be done by BSNL Staff, for which the jointing pit is the responsibility of the contractor.

10.1 Termination of cables in MDF & Pillars

The termination of UG cables at MDF and Pillars is to be done as directed by the work in charge. While terminating the cables in MDF and pillars, the correspondence of pairs shall be maintained from the point of view of counting of pairs and maintenance of the cables. In case of armored cables, the armor strip should be connected to the CT box mounting frame in the pillar and to the verticals of MDF which are earthed.

For terminating the cables in pillars, cable joint at the foot of the pillars should be avoided and the cable should be directly taken into the pillar through bottom inlet of the pillar shell. The sheath of the cable should be removed inside the pillar and the bunches of the pairs shall be terminated on the tag blocks after cleaning and lacing neatly. The termination of cables at MDF, Pillars and DPs should be done using only the standard tools.

The work of termination on MDF & Pillars includes,

4. Fixing of tag blocks on MDF verticals/CT boxes in pillars
5. Drawing the cable into the pillars and removing the cable sheath for required length.
6. Providing earth continuity with the armor of the cables.
7. Cleaning the insulated conductors and covering the formed bunches with PVC sleeve/tape
8. Termination of cable pairs on tag blocks/CT boxes
9. Testing the continuity of the cables pairs end to end (100%)

11.0 Assistance for maintenance works during emergency.

The contractor is required to provide assistance on call basis during emergency for restoration of services in the event of failure of the existing cable network. The associated works are given below:

- a) Trenching, cable laying, recovery of cables
- b) Making of Pit for jointing
- c) Reinstatement as per standards
- d) Jointing

The Rates quoted for cable construction work are applicable to maintenance work also

12.0 DOCUMENTATION

The Contractor shall supply three sets of documents against each work order.

- a. The documentation, consisting of Route diagrams, illustrating alignment, length, size and number of cables on road sides, Joint locations, termination details of cables on Pillars, DPs and MDF, the topographical details of road, location of pillars/DPs. Landmarks alongside should also be shown to locate the cables easily as and when required. The diagram should be prepared neatly without giving room for any confusion either to work in charge or the office personnel responsible for scrutiny and settlement of bills.
- b. Documents for cable jointing and termination of cables at MDF/Pillars/DPs should contain the details of jointing and termination giving complete information of pair Nos.tag/tag block Nos etc.
- c. The front cover page of the document shall have the following details:
 1. Name of SSA
 2. Name of the Exchange
 3. Name of the contractor
 4. Work order No
 5. Date of Commencement work.
 6. Date of completion of work

Documentation should bear the signature of contractor, JTO/SDE In charge

13.0 Transportation:

The materials required for cable construction works shall be made available at Divisional Store yard, Holenarasipura Road, Hassan / Sub divisional Store yards in Hassan Telecom Dist. The contractor shall be responsible to Transport all the materials to be supplied by the company to the work spot and returning of unused stores to Store yard. The contractor shall transport the recovered materials to store yards after carrying out the contract work. The rate quoted should include transportation of cables and other materials like GI/RCC/PVC pipes, Cabinets/Pillars/DP boxes, CT Boxes/Modules etc from the store yards to Work spot and returning of unused materials to the divisional/Sub divisional store yard.

14.0 DISPOSAL OF EMPTY CABLE DRUMS

It shall be obligatory on part of the contractor to dispose of the empty cable drums at his level and the amount fixed for various empty cable drums shall be recovered from the bill for the work on which the drum was issued or from any other amount due to the contractor or the SD.

The contractor shall not be allowed to dump the empty cable drums in Government/public places which may cause inconvenience to the departments / public.

The contractor shall be responsible for accounting of the cable drums issued and shall mention the number and type of cable drums in the bill so that the amount is deducted from the bills due.

13.1 Rates fixed for various types of empty cable drums are as under.

Sl. No.	Empty cable drum for cable of	Rate for disposal
i.	1000 prs. and above	Rs. 300/-
ii.	400 prs. to 800 prs.	Rs. 200/-
iii.	200 prs. To 100 prs.	Rs. 150/-
iv.	50 prs. To 20 prs.	Rs. 90/-
v.	Below 20 prs.	Rs. 60/-

SECTION – VII

GENERAL TERMS & CONDITIONS OF THE TENDER

1. ISSUE OF WORK ORDER & TIME LIMIT

1.1 The work order shall be issued by the Divisional Engineer of concerned SDCA with copy to Assistant General Manager (Plg). In case of exigencies, the work order shall also be issued by the Assistant General Manager (Plg)O/o GM Hassan. The work order will contain following specific items of work to be executed by the contractor within specified time limit.

- a) Reference and date
- b) Location of the trench, type of cables to be laid
- c) Length of the cables to be laid
- d) Type and number of cables to be recovered
- e) Time allowed for execution of work
- f) Details of cable joints to be made
- g) Details of termination to be made
- h) Details of DPs to be erected
- i) Details of Pillars to be constructed
- j) Protection to cables.

1.2 The concerned DE/AGM reserves the right to cancel or modify the scope of work stipulated to be carried out against the work order in the event of change of plan necessitated on account of technical reasons or in the opinion of the authority for issue/approval of the work order or the head of SSA.

2. TIME SCHEDULE

2.1 The TIME SCHEDULE given below for completion of the work shall be strictly adhered to by the contractor & shall be deemed to be the most important aspect of the contract on the part of the contractor & shall be reckoned from Seventh day from issue of work order by the Company.

a)	Trenching per Km	200 Mtrs Per day
b)	Cable laying & reinstatement	1 Km per day
c)	Cable jointing,	
	Up to 50Prs	5 Joints per day
	100Prs	3 Joints per day
	200Prs & above	1 Joint per day
d)	Construction of Pillar plinth & Erection of pillar	10 days per pillar
e)	Termination on Pillar	400 Pairs per day
f)	Store collection	2 days
g)	DP erection	5 DPs per day.

BSNL authorities shall obtain the permission from the concerned authorities for laying/road crossing of the cables well in advance and issue the work order in order to avoid delay. Normally objection is not raised by the Municipality /PWD/NH Authorities for BSNL Works carried out in public interest. Despite, if, objections are made by above

authorities, the matter shall be referred by the contractor in writing to the officer in charge of the work to sort out.

3 EXTENSION OF THE TIME LIMIT

- 3.1 The contractor shall apply in writing to the work-in-charge for extension of time on account of which he desires extension within 3 days of occurrence of hindrance. The Engineer-in-charge shall forward the request to competent authority with his detailed report within 3 days of receipt of request. The competent authority shall consider the request of the contractor for EOT keeping all the facts & circumstances that are reported upon, shall grant extension of time, if in his opinion, there are reasonable & sufficient grounds for granting such extension & the reasons for delay in such cases are not ascribable to the contractor.
- 3.2 The competent authority shall grant EOT with time period for completion of work expressly mentioned. The decision of the competent authority on period of extension of time [With or without Penalty] or refusal for extension of time shall be final & binding on the contractor.

4. MEASUREMENT, INSPECTION, TESTING AND ACCEPTANCE TESTING:

Measurement:

Measurement of depth, cable laying and other cable related works shall be recorded in MB Book {CPWA 23}

- 4.1 The measurement books are to be maintained by the officer in-charge of the work or his immediate engineering subordinate not below the rank of Junior Telecom Officer. The entry shall be made in ink. No entry shall be erased. If a mistake is made, it should be corrected by crossing out the incorrect words or figures & inserting the corrections, the corrections thus made shall be initialed & dated by the officer concerned.
- 4.2 The measurement of various items of work shall be taken & recorded in the measurement book issued with each work order. The measurement shall be taken & recorded by an officer not below the rank of Junior Telecom Officer who is supervising the work. The Junior Telecom Officer/Sub Divisional Engineer, directly responsible for supervision of work, shall be responsible for accuracy of 100% of measurements. The officer supervising the work shall be responsible for 100% test check. The Sub Divisional Engineer where Junior Telecom Officer is supervising officer shall be responsible for conducting test check of 20% of measurements. The Divisional Engineer shall be responsible for conducting test check of 10 % of measurements.
- 4.3 Each set of measurement for a work order to be recorded shall commence with the following entries:
 - a. Full Name of the work
 - b. Estimate No.
 - c. Name of the Exchange
 - d. Name of JTO & SDE in charge of work
 - e. Name of the Contractor
 - f. Work Order No and date
 - g. Date of Commencement of the work
 - h. Date of Completion of the work
- 4.4 The measurements of the work shall be done activity wise, as and when the item of work is ready for measurement. The methods of measurements of various items are enumerated below, as under.

- 4.5 Measurement of depth of trenches
1. The cable routes of each work order shall be bound by identifiable landmarks at both the ends of the segments. Separate segment recording may be made for different level of depths. The measurements of length of trenches are on running meter basis. The trench should not be closed before test check by field SDE.
 2. The type of protection provided in a segment shall be recorded in the measurement book.
- 4.6 Measurement of length of cables
- The length of cables laid in trenches, through pipes & through ducts shall be measured by use of RODO Meter/Measuring Tape. The length should be cross-verified with the marking of lengths on the cables. The lengths shall be recorded in the measurement book.
- 4.7 Measurement of other items:
- The measurements /numerical details of other item shall be recorded for respective items namely, Jointing, Construction of Plinths, Erection, Painting, sign writing of cabinets, pillars DPs, Termination of Cables on MDF, Pillars, DPs and etc
- 4.8 The contractor shall sign all the measurements recorded in the measurement book. This will be considered as an acceptance by the contractor of measurements recorded in the MB. In case contractor fails to attend at the measurement or fails to countersign or to record the difference within a week, then in any such event the measurements taken by Engineer-in-charge or by the subordinate as the case may be shall be final & binding on the contractor & the contractor shall have no right to dispute the same.
- 4.9 The Divisional Engineer before passing the bill, may carry out 10% test check by re-opening trench at as many locations as necessary and bills will be passed only when DE is personally satisfied of the correctness of entries in the " Measurement Book" and also of other aspects of the work as per the terms of the contract. The contractor shall provide the necessary assistance for making test pits to facilitate test check by the Divisional Engineer. Separate payment shall not be made to the contractor towards such test pits.
- 4.10 Measurements of the work of cable pulling through pipe/duct will be taken equal to the length of the pipe/duct through which the cable has been pulled & not total length of the cable pulled through pipe/ duct.

Finally after proper recordings in MB, the following certificates shall be made both in MB as well in the bill,

1. The measurements are taken on a standard Rodometer and are noted in Page Nos.....of MB No... and are accepted by the contractor
2. No damages were caused to BSNL property by the contractor during the course of execution of work
3. Provision of expenditure for this work exists in the sanctioned estimate
4. In case of trenching below the standard depth, relaxation is obtained from the competent authority for the lesser depth
5. Certificate of 100% test check by JTO, 20% by SDE & 10% by concerned DE shall be furnished
6. When the work involves recovery of cable, certificate to the effect that cable recovered are made over by the contractor and taken into stock vide sl no/page no of the stock register to be mentioned.
7. Certificate to the effect, jointing and termination of cable, plinth construction, erection of pillar/mini pillar/DPs has been carried out as per tender specification

5.0 Inspection and Quality Control:

- 5.1 The importance of quality of U.G. cable construction works need not be over-emphasized. The quality of Telecom Service largely depends on the quality of external plant of which U.G cable component covers the major portion. The U.G cables are vulnerable to damages due to work of other agencies.
- 5.2. The quality of U.G cable construction works depend upon the quality of individual items of work involved viz Depth of cables laid, care while laying, Protection, Jointing of Cables & Termination on MDF, Pillars & DPs & at last but not least on documentation of cable network. In order to ensure quality in cable construction work, each component of work needs attention. The works shall be carried out strictly in accordance with specifications laid down to achieve the requisite quality aim.
- 5.3 It is imperative that the contractor(s) is/are fully conversant with the construction practices & shall be fully equipped to carry out the work in accordance with the specifications. The contractors are expected & bound to ensure quality in construction works in accordance with specifications laid down. The contractor shall engage adequate & experienced supervisors to ensure that works are carried out as per specifications, with due diligence in a professional manner. The contractors shall satisfy themselves that the work conforms to the quality specifications before offering the same to A.T. Wing for Testing and Acceptance
- 5.5 In addition to Acceptance testing being carried out by A.T. Wing & supervision by Construction Officers, all works at all times shall be open to inspection of the company. The contractors shall be bound, if called upon to do so, to offer the works for inspection without any extra payment.
- 5.6 Site Order Book: The site order book is one of the primary records to be maintained by the JTO supervising the work during the course of execution of works. The noting made by officers as well as contractors, will form the basis for operation of many contractual clauses. The contractor shall remove all the defects pointed out by the company in the Site order book. The site order book is to be maintained in the prescribed format. The contractor or their authorized representatives shall also be at liberty to note their difficulties etc, in these books. The site order books shall invariably be consulted at the time of making final payments to the contractor.

6.0 Acceptance Testing:

- 6.1 Any work carried out against the respective work orders shall be deemed to have been completed only after the same has been accepted by the AT party. The contractor shall make test pits at the locations desired by A.T. Officer for conducting test checks without any extra payment. The contractor shall restore the pits after AT to its original shape. The contractor should assist the work in charge in offering and completion of AT in all respects without any extra cost.
- 6.2 The purpose of acceptance & testing is to verify integrity of measurement & quality of work done. The AT Officer shall not be responsible for recording of measurements for the purpose of billing & contractual obligations. However, if the measurements taken by A.T Officer are found to be lesser than the measurements recorded by the officer responsible for recording the measurements, the measurements taken by A.T. Officer shall prevail without prejudice to any punitive action against the contractor as per provisions of the contract & the officer recording the measurements. The contractor shall be obligated to remove defects/deficiencies pointed out by the A.T Officer without any additional cost to the Company
- 6.3 The Sub Divisional Engineer responsible for construction, after having satisfied himself of completion of the work shall offer the work for AT.

7 WARRANTY:

- 7.1 The cable joints shall be guaranteed for a period of six months from the date of closing of joint in case of failure of the joint due to poor workmanship. Failure of joint due to external damage is not covered under guarantee. The contractor should make arrangements to set right such joints at own cost within 24 hours of informing, failing which the company may carry out the repairs & penalty equivalent to five times of the approved rate of the jointing work plus the cost of materials used shall be recovered from the contractor from the bills pending/SD or any amount due to contractor without prejudice to any other action as per terms & conditions of the tender. The cost of jointing kit, supplied by the company so used to revive the joint also shall be deducted.
- 7.2 The contractor shall give warranty of 6 months from the date completion of the work for all the works/materials. Repair/Replacement under warranty clause shall be made by the contractor free of cost at site including freight, insurance, cost of works & other incidental charges for any work/materials due to poor workmanship within 24 hours of reporting. Failing to adhere to warranty, the competent authority reserves the right to recover of the cost of the repair/replacement of materials either from the bills or the SD.

8.0 AUDIT AND TECHNICAL EXAMINATION:

- 8.1 Company shall have the right to cause an audit & technical examination of the work & the bills of the contractor including all supporting vouchers, abstract etc. Even after payment of the bill, If, as a result of such audit & technical examination any sum is found to have been overpaid, the work awarded not to have been executed, the contractor shall be liable to refund the amount by remaining lawful to company. In case the contractor does not refund, to recover such amount from the contractor, the company may exercise the options in a manner legally permissible. If, found that the contractor was paid less than what was due under the contract in respect of any work executed, the amount of such under payment shall be duly paid by company to the contractor.
- 8.2 Any sum of money due from & payable to the contractor (including security deposit returnable to him) under this contract may be appropriated by BSNL Hassan, towards the payment of a sum of money, that the contractor is due under this contract or under any other contract that the contractor holding/held in other wings of the company.

9 PENALTIES

Penalties for delay in commencement & completion of work.

- 9.1 The work shall, throughout the stipulated period of contract, be proceeded with all due diligence to achieve the desired progress uniformly & the contractor shall pay as penalty an amount equal to **1.0% percent of the amount (minimum Rs 250/-) of the work for every one week of delay** in completion of work, subject to a maximum of 10% of cost of the work awarded.
- 9.2 In case of slow progress of the works in a section which have been awarded to a particular contractor, but either the public interest does not permit the delay or extension of time limit for completion of the work, the GM Hassan shall have the full right to order that the scope of the contractor may be restricted to such fraction of the work & get the balance executed at the risk & cost of the contractor. All such payments shall be recovered from the contractor's pending bills or security deposit.

- 9.3 The GM Hassan reserves the right to cancel the contract & forfeit the security deposit if the contractor fails to commence the work within 7 days after issue of the work order.

Penalties for cuts and damages to existing cables.

- 9.4 During excavation of trench utmost care is to be taken by the contractor, so that the existing underground cables are not damaged or cut. In case of any damage/cut to the existing cables, a penalty as per the schedule given below will be charged and the amount will be deducted either from the running bills or the security deposit of the contractor,

Size of existing cables cut/damaged	Amount of penalty per cut/damage
Up to 100 pairs cable	Rs 500.00 (Five Hundred)
Above 100 pairs to 400 pairs	Rs 1,000.00(One thousand)
Above 400 pairs	Rs 2,000.00 (Two thousand)

- 9.5 Besides the above penalty, the contractor shall carry out repairs for restoration of the damaged cable free of charge. The cost of stores, the cost of number of pairs damaged in case of replacement is involved shall also be borne by the contractor. If the contractor fails to repair the damage, the cost of repair including cost of labour + materials + the cost of number of pairs damaged along with revenue loss on pro rata basis per line shall be recovered from the contractor.

Penalties for damages to stores/materials supplied by the company for cable works.

- 9.6 The contractor while taking delivery of materials supplied by the company at the designated place shall thoroughly inspect all items before taking them over. While executing the work, if any material is found damaged/working unsatisfactorily, then a penalty equivalent to the cost of material + 10 % as penalty shall be recovered from the contractor's payments / securities.
- 9.7 In case of damage to PIJF cables, while laying, the cost of number of pairs damaged including laying charges, transportation/storage charges plus 10 % of the total cost as penalty shall be recovered from the contractor's bills/securities. However, contractor will not be penalized for any manufacturing defect of the materials, which shall be taken up separately with the supplier.

Penalty for delayed submission of bills read with clause 10.0

- 9.8 The bills (Running /Final) complete in all respects including documentation etc., submitted by the contractor beyond the prescribed period mentioned in the previous clauses are liable for penalty at the rate of 0.25% of the amount of the bill for every one week of delay subject to maximum of 5% of the amount of the concerned bill”
- 9.9 The bills (Running/Final) complete in all respects submitted by the contractor after 6 months of completion of AT will be treated as invalid and no payment will be made on them. However in exceptional cases, payment will be authorized with applicable penalties mentioned in the bid document by the head of SSA only, after detailed investigation on appeal by the contractor

10.0 SUBMISSION OF BILLS

- 10.1 The bills shall be prepared accurately and as per the measurements recorded in the MB and after the acceptance and testing of all the items involved in the work, the contractor should submit the bill within 30 days of the A/T to the concerned SDE in charge of work and take acknowledgement with date from that SDE.
- 10.2 Service Tax as at prevailing rate [presently 10.30%] shall be claimed by the contractor with a valid Service Tax Registration number printed on the invoice/bill. The proof of payment of service tax has to be submitted when called for.
- 10.3 The SDE in charge shall invariably record the date of receipt of bill in his office.
- 10.4 The SDE in charge of work shall scrutinize the bills and accord necessary certificate and forward the running bill[in duplicate] along with the following documents to GM Office through DE concerned
 1. Copy of Work order
 2. Material reconciliation statement
 3. Measurement Book
 4. A/T report
 5. The site order book
 6. The hindrance register
 7. Details or recoveries/penalties for delays, damages to departmental/Third parties as per the provisions of the contract. In case no recovery is made, NIL report needs to be submitted.
 8. Details of empty drums cost of which needs to be recovered from the bill.
 9. Letters of grant of EOT (s) if work could not be completed within stipulated time
 10. One set of documentation
 11. Test certificate of bricks.
 12. Depth relaxation certificate in original along with information on protection measures taken in case of low depth.
 13. Bills submitted by the contractor shall also accompany,

11.0 CLAIM ENTITLEMENT

- 11.2 Bills will be paid to the extent of 90% of value of work done after deducting 10% towards Performance Security. The statutory tax will be recovered from the bill.
- 11.3 The performance security shall be payable to the company as compensation for any loss resulting from the contractor's failure to complete the obligations under the contract.
- 11.4 The performance security deposit shall be refunded after expiry of warranty period of last work executed, provided there are no recoveries to be made arising out of poor quality of work, incomplete work and/or violation of any terms & conditions of the contract as stipulated in the bid document.
- 11.5 No interest will be paid to the contractor on the security deposit.
- 11.6 No payment for incomplete & substandard works.
- 11.7 Rates applicable for different trench depth while settling the bills are given for different categories of cables,

1. For cables other than 5 pair cable,

Depth between bottom of cable to top of trench in cms	Rate applicable
90 cms	100 % payment
80 to 89	80% of approved rate
70 to 79	70% of approved rate
60 to 69	60% of approved rate
below 60	Payment on prorated basis subject to technical constraints duly certified by the competent authority specified in the Clause 2.2 of Section-VI failing which No payment shall be made

2. For 5 Pair cables

Depth between bottom of cable to top of the trench in cms	Rate applicable
60	100% Payment
50 to 59	85% Payment
40 to 49	Payment on prorated basis subject to technical constraints duly certified by the competent authority specified in the Clause 2.2 of Section-VI failing which No payment shall be made
Below 40 cms	No payment

3. For OF cables

Depth between bottom of cable to top of the trench in cms	Rate applicable
165	100% Payment
145 to 159	85% Payment
140 to 144	Payment on prorated basis subject to technical constraints duly certified by the competent authority specified in the Clause 2.2 of Section-VI failing which No payment shall be made
Below 140 cms	No payment

12 LABOUR REGULATIONS, WELFARE MEASURES AND WORKMAN COMPENSATION

12.1 Obtaining License before commencement of work:

The contractor shall obtain a valid labour license under the Contract Labour (R&A) Act 1970 & the Contract Labour (Regulation & Abolition) Central Rules 1971, before commencement of the work, and continue to have a valid license until the completion of work. The contractor shall also abide by the provisions of the Child Labour (Prohibition & Regulation) Act 1986. Any failure to fulfill this requirement shall attract the penalty provisions of this contract arising out of the resultant non-execution of work.

12.2 Working Hours

1. Normally working hours of an employee should not exceed 9 hours a day. The working day shall be so arranged that inclusive of interval for rest, if any, it shall not spread over more than 12 hours on any day.
2. When a worker is made to work for more than 9 hours on any day or for more than 48 hours in any week he shall be paid over time for the extra hours put in by him.
3. Every worker shall be given a weekly holiday normally on a Sunday, in accordance with the provisions of Minimum Wages (central) Rules 1960, as amended from time to time, irrespective of whether such worker is governed by the Minimum Wages Act or not.
4. Where the minimum wages prescribed by the Govt. under the minimum wages Act, are not inclusive of the wages for the weekly day of rest, the worker shall be entitled to rest day wages, at the rate applicable to the next preceding day, provided he has worked under the same contractor for a continuous period of not less than 6 days.
5. Where a contractor is permitted by the Engineer-in-charge to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day, on one of the five days, immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at the overtime rate.

12.3 Display of Notice Regarding Wages Etc.

The contractor shall, before he commences his work on contract, display & correctly maintain in a clear & legible condition in conspicuous places on the work, notices in English & in local Indian languages spoken by the majority of the workers, giving the minimum rates of the wages fixed under Minimum Wages Act, the actual wages being paid, the hours of work for which such wages are earned, dates of payments of wages & other relevant information.

12.4 Payment of Wages:

1. The contractor shall fix wage periods in respect of which wages shall be payable.
2. No wage period shall exceed one month.
3. The wages of every person employed as contract labour in an establishment or by a contractor, where less than one thousand such persons are employed, shall be paid for the expiry of seventh day & in other cases before the expiry of tenth day after the last day of the wage period in respect of which the wages are payable.
4. Where the employment of any worker is terminated by or on behalf of the contractor, the wages earned by him shall be paid before the expiry of the second working day from the date on which his employment is terminated.
5. All payment of wages shall be made on a working day at the work premises & during the working time & on a date notified in advance & in case the work is completed before the expiry of the wage period, final payment shall be made within 48 hours of the last working day.
6. Wages due to every worker shall be paid direct to the worker or to the person authorized by the worker on behalf.
7. All wages shall be paid in current coin or currency or in both.
8. Wages shall be paid without any deduction of any kind except those specified by the Central Government by general or special order in this behalf or permissible under the Payment of Wages Act 1956.

9. A notice showing the wages period & the place & time of disbursement of wages shall be displayed at the place of work & a copy sent by the contractor to the Engineer-in charge under acknowledgement.
10. It shall be the duty of the contractor to ensure the disbursement of wages in presence of the site Engineer or any other authorized representative of the Engineer-in-charge who will be required to be present at the place & time of the disbursement of wages by the contractor to workmen.
11. The contractor shall obtain from the site Engineer-in-charge or any other authorized representative of the engineer in- charge as the case may be, a certificate under his signature at the end of the entries in the " Register of Wages " or the " Wage-cum- Muster Roll", as the case may be, in the following form,
"Certified that amount shown in the column No..... has been paid to the workmen concerned in my presence on at"

12.5 Fines and deductions from wages

The wages of a worker shall be paid to him without any deduction of any kind except the following,

- b) Fines
- b) Deductions for absence from duty i.e. from the place or the places where by the terms of his employment he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
- c) Deductions for damage to or loss of goods expressly entrusted to the employed person for custody or for loss of money or any other deduction which he is required to account where such damage or loss is directly attributable to his neglect or default.
- d) Deduction for recovery of advances or for adjustment of overpayment of wages, advances granted shall be entered in a register.
- e) Any other deduction, which the Central Government may from time to time allow.
- f) No fines should be imposed on any worker in respect of such acts and omissions on his part as have been approved of by the Labour Commissioner.
- g) No fine shall be imposed on a worker and no deduction for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fines or deductions.
- h) Every fine shall be deemed to have been imposed on the day of the act or omission in respect of which it was imposed.

12.6 Labour records

1. The contractor shall maintain a **Register of Persons employed** on work on contract in Form XIII of the Contract Labour (R&A) Central Rules 1971.
2. The contractor shall maintain a Muster Roll register in respect of all workmen employed by him on the work under Contract in Form XVI of the CL (R&A) Rules 1971.
3. The contractor shall maintain a Wage Register in respect of all workmen employed by him on the work under contract in Form XVII of the CL(R& A)1971.
4. The contractor shall maintain a register of accidents in such a form as may be convenient at the work place but the same shall include the following particulars,
 - a) Full Particulars of the labourers who met with accident.
 - b) Rate of wages.
 - c) Sex
 - d) Age

- e) Nature of accident and cause of accident.
 - f) Time and date of accident
 - g) Date and time when admitted to hospital
 - h) Date of discharge from the hospital
 - i) Period of treatment and result of treatment
 - j) Percentage of loss of earning capacity and disability as assessed by Medical officer.
 - k) Claim required to be paid under Workmen's Compensation Act.
 - l) Date of payment of compensation.
 - m) Amount paid with details of the person to whom the same was paid.
 - n) Authority by whom the compensation was assessed
 - o) Remarks.
5. The contractor shall maintain a **Register of Fines** in the Form XII of CL (R&A) Rules 1971. The contractor shall display in a good condition and in a conspicuous place of work the approved list of acts and omission for which fines can be imposed.
 6. The contractor shall maintain a **Register of deductions for damage or loss** in Form XX of the CL(R&A) Rules 1971.
 7. The contractor shall maintain a **Register of Advances & Register of overtime** in Form XXIII of the CL (R&A) Rules 1971
 8. The contractor shall issue an Attendance card cum wage slip to each workmen employed and the card shall be valid for each wage period.
 9. The contractor shall mark the attendance of each workman on the card twice each day, once at the commencement of the day and again after the rest interval, before he actually starts work. The card shall remain in possession of the worker during the wage period under reference.
 10. The contractor shall complete the wage slip portion on the reverse of the card at least a day prior to the disbursement of wages in respect of the wage period under reference.
 11. The contractor shall obtain the signature or thumb impression of the worker on the wage slip at the time of disbursement of wages and retain the card with him.
 12. The contractor shall issue an Employment Card in the Form XIV of CL (R&A) Central rules 1971 to each worker within three days of the employment of the worker.
 13. Below mentioned records shall also be maintained by the contractor and produced as and when called for by the Company or the Inspecting authorities.
 - List showing the details of labourers / employees engaged and duration.
 - Amount of EPF contributions paid to the EPF authorities (both Employers & Employees) for the duration of agreement in question.
 - Copies of authenticated documents of payments of such contribution towards EPF

12.7 Service certificate

On termination of employment for any reason whatsoever the contractor shall issue to the workman whose services have been terminated, a Service Certificate in the Form XV of the CL (R&A) Central rules 1971.

12.8 Preservation of labour records

The Labour records and records of Fines and deductions shall be preserved in original for a period of three years from the date of last entries made in them and shall be made available for inspection by the Engineer-in-charge or Labour Officer or any other officers authorized by the Ministry of Communication in this behalf.

12.9 Power of Labour officer to make investigations or enquiry

The labour officer or any person authorized by the Central Govt. on their behalf shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of Fair Wage Clauses and provisions of these Regulations. He shall investigate into any complaint regarding the default made by the contractor in regard to such provision.

12.10 Report of Investigating officer and action thereon

The Labour Officer or other persons authorized as foresaid shall submit a report of result of his investigation or enquiry to the Engineer in-charge indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the contractor's bill be made and the wages and other dues be paid to the labourers concerned. The Engineer in-charge shall arrange payments to the labour concerned within 45 days from the receipt of the report from the Labour Officer or the authorized officer as the case may be.

12.11 Inspection of Books and Slips

The contractor shall allow inspection of all the prescribed labour records to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Officer or any other person, authorized by the Central Govt. on his behalf including any authority representing BSNL Hassan.

12.12 Submission of Returns

The contractor shall submit periodical returns as may be specified from time to time.

12.13 Amendments

The Central Govt. may from time to time add to or amend the regulations and on any question as to the application/interpretation or effect of those regulations.

13.0 INSURANCE

Without limiting any of his other obligations or liabilities the contractor shall, at his own expense, take and keep comprehensive insurance including third party risk for the plant, machinery, men, materials etc. brought to the site and for all the work during the execution. The contractor shall also take out workmen's compensation insurance to safeguard the interests of the worker and his family as required by law and under take to indemnify and keep indemnified the company from and against all manner of claims and demands and losses and damages and cost (including between attorney and client) charges and expenses that may arise in regard to the same or that the company may suffer or incur with respect to and / or incidental to the same. The contractor shall have to furnish originals and/or attested copies as required by the company of the policies of insurance taken within 15 days of being called upon to do so together with all premium receipts and other papers related there to which the company may require.

14.0 COMPLIANCE WITH LAWS AND REGULATION:

During the performance of the works the contractor shall at his own cost and initiative fully comply with all applicable laws of the land and with any and all applicable by-laws rules, regulations and orders and other provisions having the force of law made or promulgated or deemed to be made or promulgated by the Govt., Governmental agency or company, municipal board, Government of other regulatory or Authorized body or persons and all provide all certificates of compliance therewith as may be required by such applicable law, By-laws, Rules, regulations, orders and provisions. The contractor shall assume full responsibility for the payment of all contributions and pay all taxes, as to its employees, servants or agents engaged in the performance of the work specified in the contractor documents. If the contractor shall require any assignee or sub-contractor to share any portion of the work to be performed here under may be assigned, sub-leased or sub-contracted to comply with the provisions of the clause and in this connection the contractor agrees as to undertake to save and hold the company harmless and indemnified from and against any/all penalties, actions, suits, losses and damages, claims and demands and costs (inclusive between attorney and client) charges and expenses what so ever arising out or occasioned, indirectly or directly, by failure of the contractor or any assignee or sub-contractor to make full and proper compliance with the said by laws, Rule, Regulations, Laws and Order and provisions as aforesaid.

15.0 Provisions of EPF and Misc Act 1952 & EPF Fund Scheme 1952

The Contractor shall abide by the provisions of EPF & Misc. Provisions Act 1952 & Employees Provident Fund Scheme 1952 in respect of labourers/employees engaged for performing the works of BSNL and will have to produce the required documents in this regard as and when demanded by the competent authority of BSNL.

16.0 TOOLS AND OTHER AMENITIES TO LABOURERS

- 16.1 The contractor shall provide all tools, tackle, danger flags and other requirements for efficient and speedy progress of the work. For safety purpose it is recommended to use pick axe below one foot of the surface of the soil so that damages to existing cables can be avoided. It shall be the responsibility of contractor(s) to provide tents, lights and water for their labourers in the areas where tents will be pitched for work. The contractors shall be responsible for the movement of their crew from one place to another place
- 16.2 The Contractors shall take all precautionary measures to avoid any damages to the existing installation in the places where the trenches are to be made. The contractors shall be responsible for any loss or damages caused to the existing telecom cables, water pipe lines, sewerage systems and power cables etc., belonging to BSNL, local bodies, any other Govt. / semi Govt. / Private parties. The contractors shall have to make good the damage at his own cost. The contractor shall be responsible for any legal liabilities arising out of the damages caused to any property, material or personnel. If the contractors fails to do so, the GMTD may arrange the repairs / replacement and the cost of such repairs/ replacement shall be recovered from the contractor's bill / Security Deposit and the decision of the GMTD shall be final and binding on the contractor

17.0 SAFETY PRECAUTIONS FOR LINES & CABLES

17.1 Scope: These instructions deal with the safety precautions to be taken by the personnel working in excavation and in close proximity of power cables.

17.2 General:

- i) **Pedestrian crossing:** Where a road or a footpath is to be opened up in the course of work, special care should be taken to see that proper protection is provided to prevent any accidents occurring excavating work should be done in such a manner that it will not unduly cause inconvenience to pedestrians or occupants of buildings or obstruct road traffic. Suitable planks as bridges over open trenches should be provided to the access to roads, lanes, gates.
- ii) **Danger from falling material:** Care should be taken to see that apparatus, tools or other excavating implements are not left in a dangerous or insecure position as to fall or be knocked into the trench thereby injuring any worker who may be working inside the trench.
- iii) **Care when working in excavation:** Jumping into a pit is dangerous. If the trench is deep, workers should be encouraged to lower themselves into the trench carefully. The workers should be asked to work at safe distance to avoid striking each other accidentally with tools. If the walls of the trench contain glass bits, corroded wire, sharp objects etc. These should be removed carefully. If covered obstruction is encountered, it should be carefully uncovered and protected if necessary. Care must be taken to see that excavated material is not left in such a position so as to cause an accident or obstruction to a roadway or water way. If possible the excavated material should be put between the workers and the traffic without encroaching too much on the road.
- iv) **Danger of cave-in:** When working in a deep trench in loose soil timbering up the sides will prevent soil subsidence. The excavated material should be kept far enough from the edge of the trench or Pit. Vehicles or heavy equipment must not be permitted to approach too close to the excavation. When making tunneled opening it should be ensured that the soil is compact enough to prevent cave-in even under adverse conditions of traffic. Extra care should be taken while excavating near the foundations of building or ruined walls. In such cases, excavation should be done gradually and as far as possible in the presence of the owners of the property.
- v) **Protection of excavation :** Excavation in populated areas which are not likely to be filled up on the same day should be protected by barriers or some effective means of preventing accidents and the location of all such opening must in any event be indicated by red warning flags or other suitable warning signs. During the hours from dusk to dawn, an adequate number of red warning lamps should be displayed. Supervisory officers should ensure that all excavations are adequately protected in this manner as serious risks and responsibility is involved. Notwithstanding adoption of the above mentioned precaution works involving excavations should be so arranged as to keep the extent of opened ground and the time it is open to a minimum.

- vi) **Excavating close to electric cables:** The SDE/JTOs/OIC, Contractor's Supervisors, and workers should be instructed in advance regarding the safety precautions to be followed in such cases. The officers In-charge should get full information from electricity undertaking regarding any electric cables which are known or suspected to exist near the proposed excavations and until this is done excavations should not proceed in the sections concerned. The electricity undertaking should be asked to send a representative and the work should be taken up with close consultation with him.

- vii) **Hand tools:** Hand tools with dry wooden handles only shall be used until the electric cables have been completely exposed. Power cables not laid in conduits are usually not protected on the sides. It is safer, therefore always to drive the point of the pickaxe downwards than uncovering a cable so that there is less chance of missing such warning slabs. Handles of tools, clothing etc., should be dry to prevent electric shock. The worker should be permitted to work alone where there are electric cables involved. At least one other person should be working nearby so that help can be given quickly in case of an accident. If disconnection of power could be arranged in that section, it will be good. No electric cables should be moved or altered without the consent of the electricity authority and they should be contacted to do the needful. If an electric cable is damaged slightly, it should be reported to the electricity authority and any warning bricks disturbed during excavation, should be replaced while back-filling the pit. Before driving a spike in the ground, the presence of other underground properties should be checked. Information on plans regarding the location of power cables is not to be assumed as wholly accurate. Full precautions should be taken in the vicinity until the power cable is uncovered. All electric cables should be regarded as being live and consequently dangerous unless power shut down is arranged and known to be switched off. All power voltages are generally dangerous, even low voltage proving fatal in several cases.

- viii) **"Reporting accidental damage:** Accidental damage to any property whether private / departmental should be reported immediately to the owner of such services / property as well as to the Officer I/C of works.

- ix) **Caution boards:** With the start of digging, caution boards should be provided at either end of the trench to caution the traffic. If the pit remains open during the night, red lamp or luminous caution boards on either side should be provided

18.0 INDEMNITIES:

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

on demand without protect or demur all cost, charges & expenses & losses & damages otherwise incurred by it in consequences of any claim, damages & actions which may be brought against the company arising out of or incidental to or in connection with the operation covered by the contractor.

- 18.2 The contractor shall at his own cost at the company's request defend any suit or other proceeding asserting a claim covered by this indemnity, but shall not settle, compound or compromise any suit or other finding without first consulting the company.
- 18.3 The Contractor shall execute form of undertaking on a stamp paper of Rs.20/- as per specimen available at Section-X.

19.0 SET OFF:

Any sum of money due & payable to the contractor (including security deposit refundable to him) under this contract may be appropriated by the company or the Government or any other person or persons contracting through the Government of India & set off the same against any claim of the company or Government or such other person or persons for payment of a sum of money arising out of this contract made by the Contractor with company or Govt. or such other person or persons contracting through Government of India

20.0 Issuance of Notice for Termination of Contract

The Assistant General Manager [Plg] shall issue **show cause notice** giving details of lapses, violation of terms & conditions of the contract, wrongful delays or suspension of work or slow progress of the work on contract, directing the contractor to take the corrective action. A definite time schedule for corrective action shall be mentioned in the show cause notice. If the contractor fails to take corrective action within the stipulated time frame and fails to respond to the show cause notice, the AGM [Plg] shall submit a draft of final notice along with a detailed report to the competent authority, recommending forfeiture of EMD & SD including Termination of contract/Black listing and any other action deemed fit.

21.0 TERMINATION OF THE CONTRACT

- 21.1 In case of failure on the part of the contractor to comply with any or all the terms and conditions or breach of contract or if the quality of work or the quality of the materials used are found to be sub-standard, for any other sufficient reason like delay in commencement of the work or fails to complete the work causing inconvenience to BSNL Hassan, the General Manager, BSNL, Hassan shall have the right to terminate the contract by giving notice. In such event the security deposit shall stand forfeited and BSNL may initiate Black Listing of the Contractor as an extreme step.
- 21.2 Upon termination of the Contract, the security deposit of the contractor shall liable to be forfeited & shall absolutely be at the disposal of BSNL Hassan.
- 21.3 The Company shall further blacklist the Contractor and prevent the contractor from participation in other tenders of BSNL

22.0 BLACK LISTING OF CONTRACTOR:

The Contractor shall black listed for a specific period under any of the following circumstances,

1. If the contractor fails to execute the contract or executes it unsatisfactorily or is proved to be responsible for constructional defects.
2. If the contractor is no longer in possession of adequate equipments, technical personnel or financial resources.
3. If the contractor is litigious by nature or has violated any important condition of contract.
4. If the contractor is found to have given false information at the time of submitting the bid or is declared bankrupt/insolvent, dissolved or partitioned.
5. If the contractor persistently violates the Labour regulations and other contract Laws, Provisions of EPF and Miscellaneous Act
6. If the contractor has been found involved in unethical business practices.
7. If the contractor has been found adopting wrongful means to influence the departmental authorities.

The blacklisted contract shall neither be allowed to participate in the tenders anywhere in the BS NL for a minimum period of 2 years and maximum period of 5 years from the date of issue of orders

23.0 FORFEITURE OF EMD / SD

1. If the successful bidder fails to remit the security deposit within the stipulated period, the EMD shall be forfeited.
2. If the contractor fails to commence the work allotted within the stipulated period, the EMD & SD shall be forfeited.
3. If the contract is abandoned by the contractor, the EMD & SD shall be forfeited.
4. If the contract is terminated by the Company due to poor quality of work or negligence, misbehavior, misconduct of the contractor or the personnel, the EMD&SD shall be forfeited.
5. If the refund of EMD/SD is not claimed by the contractor within one year of completion of the contract period, the EMD&SD shall be forfeited.

The decision of the competent authority is final in respect of above.

24.0 RIGHTS OF THE COMPANY

The General Manager, Hassan TD reserves the following rights,

1. To accept or reject any tender or all tenders and recall the tender without assigning any reason and not to accept the lowest bid.
2. To split up the work and award the work item wise to different bidders.
3. To award the contract to any one or more than one as per requirement.
4. To get any work, partially or completely, execute departmentally, to meet any exigency.
5. To terminate the contract at any time giving "14 days" (Fourteen days) notice, without assigning any reason(s).
6. To terminate the contract in the case of poor quality of work or negligence on the part of the contractor or his personnel.

7. To impose penalties and order recovery of the same, to cover the losses caused viz., the value of the work rejected or the cost of replacement or cost of damages sustained to the department / Govt. / Semi Govt. / Local / Private bodies individuals or other parties due to unsatisfactory execution of work, negligence or lack of proper supervision etc. The amount of the penalty shall be fixed depending on the gravity of the case, from any amount due or that may become due to the contractor including the security deposit or bill or otherwise.
8. In the case of exigencies the contractor shall undertake cable laying work at any part of the Hassan Telecom District area at the approved rate of that area as per the order of the tender accepting authority. In case of refusal it shall be treated as breach of contract

“ THIS CONTRACT /PO IS SUBJECT TO JURISDICTION OF COURT AT HASSAN ONLY”

25.0 FORCE MAJEURE:

- 25.1 If at any time, during the continuance of this contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, or hostility, acts of the public enemy, civil commotion sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or act of God (herein after referred to as events) provided notice of happenings, of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have such claim for damages against the other in respect of such non-performance & work under the contract shall be resumed as soon as practicable after such event may come to an end or cease to exist, & the decision of the company as to whether the work have been so resumed or not shall be final & conclusive provided further that if the performance, in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days either party may, at its option terminate the contract.
- 25.2 Provided also that if the contract is terminated under this clause, the company shall be at liberty to take over from the contractor at a price to be fixed by the company, which shall be final, all unused, undamaged & acceptable materials, bought out components & stores in the course of execution of the contract, in possession of the contractor at the time of such termination of such portions thereof as the company may deem fit expecting such materials bought out components & stores as the contracts may with the concurrence of the company elect to retain.

26.0 ARBITRATION:

- 26.1 In the event of any question, dispute or difference arising under this agreement or in connection there-with except as to matter the decision of which is specifically provided under this agreement, the same shall be referred to the sole arbitration of the Chief General Manager, Karnataka Telecom Circle or in case his designation is changed or his office is abolished then in such case to the sole arbitration of the officer for the time being entrusted whether in addition to the functions of the Chief General Manager, Karnataka Telecom Circle or by whatever designation such officers may be called (herein after referred to as the said officer) and if the Chief General Manager, Karnataka Telecom Circle or the said officer is unable or unwilling to act as such to the sole arbitration or some other person appointed by the Chief General Manager, or the said officer. The agreement to appoint an arbitrator will be in accordance with the

Arbitration & Conciliation Act, 1996. There will be no objection to any such appointment that arbitrator is Government servant or that he has to deal with the matter to which the agreement relates or that in the course of his duties as Government servant he has expressed views on all or any of the matter under dispute. The award of the arbitrator shall be final & binding on the parties. In the event of such arbitrator to whom the matter is originally referred, being transferred or vacating his office or being unable to act for any reasons whatsoever such Chief General Manger or the said officer shall appoint other person to act as arbitrator in accordance with the terms of the agreement & the person so appointed shall be entitled to proceed from the stage at which it was left out by his predecessors.

- 26.2 The arbitrator may from time to time with the consent of parties enlarge the time for making & publishing the award, Subject to aforesaid Indian Arbitration & Conciliation Act 1996 & rules made there under, any modifications thereof for the time being in force shall be deemed to apply to the arbitration proceeding under this clause.
- 26.3 The venue of the arbitration proceeding shall be the Office of the Chief General Manager, Karnataka Telecom Circle or such other places as the arbitrator may decide.

The award of the sole Arbitrator shall be final & binding on all parties to the dispute.

27.0 DECLARATION BY THE BIDDER:

I/We red the Bid Document carefully and undertake to abide by all terms and conditions enunciated therein.

SECTION VIII
AGREEMENT [specimen]

The successful bidder shall have to execute the following agreement:

This Agreement entered at _____ this day _____ between Bharat Sanchar Nigam Limited (BSNL), on one part of which the expression shall include the Officer in BSNL and assigns when the context so admits and accepted on behalf of BSNL by the General Manager Telecom, BSNL, Hassan, represented by Asst. General Manager(Plg) O/o GM Telecom, BSNL, Hassan (Hereinafter called the Company”) on the ONE part, for which expression shall include their heirs, executors, administrators, legal representatives and assigns when the context so admits and (Hereinafter called the “Contractor”) on the other part, for which expression shall include their heirs, executors, administrators, legal representatives and assigns when the context so admits

Where as the contractor has offered to enter into contract with the said company for the execution of work of trenching & laying underground telephone cables , cable jointing, pillar construction, Mini Pillar works, DP fitting, and other associated works in Hassan SSA on the terms and conditions herein contained and the rates approved by the company (copy of Rates annexed) have been duly accepted and where as the necessary security deposits have been furnished in accordance with the provisions of the tender document and where as no interest will be claimed on the security deposit.

Now these presents witness and it is hereby agreed and declared by and between the parties to these presents as follows.

- 1) The contractor shall, during the period of this contract that is to say from..... to..... or until this contract shall be determined by such notice as is herein after mentioned, safely carryout, by means of labours employed at his own expenses and by means of tools, implements and equipment etc. to be supplied by him to his labour at his own expenses, all trenching, cable jointing, pillar construction, DP fitting, work relating to and other associated works as described in tender documents (annexed to the agreement), when the company. or General Manager BSNL, Hassan Telecom Dist or any other persons authorized by General Manager BSNL, Hassan in that behalf require. It is understood by the contractor that the quantity of work estimated is likely to change as per actual requirements as demanded by exigencies of service.
- 2) The NIT (notice inviting tender), Bid document (Qualifying and Financial), letter of intent, approved rates, annexed hereto and such other additional particulars, instructions drawings, work orders as may be found requisite to be given during execution of the work shall be deemed and taken to be an integral part of the contract and shall also be deemed to be included in the expression " The Agreement" or " The Contract " wherever herein used.
- 3) The contractor shall also supply the requisite number of workmen with men’s & materials as well as tools, appliances, machines, implements, vehicles for

transportation, cartage etc. required for the proper execution of work within the time prescribed in the work orders.

- 4) The contractor hereby declares that nobody connected with or in the employment of the company is not /shall not ever be admitted as partner in the contract.
- 5) The contractor shall abide by the terms & conditions, rules, guidelines, construction practices safety precautions etc. stipulated in the tender document including any correspondence between the contractor and the company having bearing on execution of work and payments of work to be done under the contract.

“ THIS CONTRACT /PO IS SUBJECT TO JURISDICTION OF COURT AT HASSAN ONLY”

In witness whereof the parties present have here into set their respective hands and seals the day and year in _____

Above written:

Signed sealed & Delivered by the
above named Contractor in the
presence of

Witness:

- 1.
- 2.

Signed & Delivered on behalf
of the CMD BSNL by the

Witness:

- 1.
- 2.

SECTION – IX

LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

Tender Number _____

Subject: Authorization for attending bid opening on.....
of the tender for Cable construction works

Following person is hereby authorized to attend the bid opening for the
tender mentioned above on behalf of _____(Bidder)

The signature of the authorized representative is attested below

Name of the Representative

Specimen Signature

Signature of bidder

or

The person authorized to sign the bid
documents on behalf of the bidder.

Note: Only One representative will be permitted to attend bid opening.

SECTION- X

FORM OF UNDERTAKING [Specimen]

(To be executed on stamp paper of Rs 20/- by the successful bidder]

As successful bidder, I/We affirm to undertake the responsibility of the following,

- a) Back filling and making the road in the normal condition.
- b) Transportation of cable drums and stores from store depot to work spot safely.
- c) Security of stores at sites at our cost.
- d) Indemnify the BSNL against any loss, damage or risk caused during the work for which, necessary precautions will be taken.
- e) Watch and ward of the open trench during day and night. Provision of suitable barricade by the side of trenches. If necessary provision of danger lights , signals etc.,
- f) Diversion of traffic if required
- g) Claim arising out of accidents or due to failure of the precautions.
- h) Carry out the works carefully according to the instruction of the officer in charge of the work and agree to make good the loss/damage at work site to the company's property or to the properties of the other parties as assessed by the GMT, Hassan.
- i) Safe custody of the materials supplied by the company at work site at own cost.
- j) Handling and transportation of materials to work site and from work site to respective store yards at own cost.
- k) Abide by the prevailing labour regulations and prompt payment of the wages to labourers.
- l) Abide by the provisions of EPF & Misc Provisions act 1952 & Employees Provident Fund Scheme 1952 in respect of labourers/employees engaged for performing the works of BSNL.
- m) Pay any compensation as per workman compensation act - 1923 for injuries / Disabilities/ death caused to labourers in the process of execution of the work.
- n) Workmen's Compensation Insurance as required by Law and under take to indemnify and keep indemnified the Company from and against all manner of claims and demands and losses and damages and cost (including between attorney and client) charges and expenses that may arise in this regard to the same or that the company may suffer or incur with respect and/or incidental to the same. The Policies of Insurance taken with all premium receipts and other papers related will be submitted as and when called for by the Company.
- o) familiar with the areas where work is to be carries out before submitting this tender and entering into this contract.
- p) Familiarizing with the areas where work is to be carried out before submitting this tender and entering into this contract.
- q) Work under the supervision of officer in charge and according to the directions of the Officer in charge whose decision is final and binding
- r) Abide to the approved rates and the approved rates shall be valid for one year with rights of BSNL to extend the tender for further period of six months or till the new tender is finalized at the same approved rates for the extended period of tender.

All terms and conditions enunciated in the undertaking have been read carefully and understood and accepted.

SECTION – XI

RATE SCHEDULE

IT IS MANDATORY TO QUOTE RATE FOR EACH ITEM OF WORK FAILING WHICH THE BID IS LIABLE FOR REJECTION

To
The General Manager,
BSNL, Hassan Telecom District,
BSNL Bhavan, BM road,
Hassan -573201

Dear Sir,

Sub: Our rate quote for U/G Cable Construction Works in Hassan SSA including 5Pair cable, Optical Fiber cable and DPs/Pillars/Mini Pillars
Ref: Tender No.W-5/Tender/UGC/2009-10/4 dated 22-08-2009

Having examined the tender documents, terms and conditions, Specifications of work etc stipulated therein, we the under signed offer to execute the U/G Cable Construction Works in Hassan SSA at the rates quoted in rate schedule A in conformity to all the terms and conditions as laid down in the tender documents.

If our Bid is accepted, we shall submit the securities as per the requirements of the contract.

We agree to abide by this Bid for a period of 120 days from the date of opening of bid and it shall remain binding upon us and may be accepted at any time before the expiry of the bid validity period.

Signature/Name/Address of the bidder

Date:

Place:

RATE QUOTING SCHDEULE – A

SI No.	Description of work	Approximate Quantity of Work	Unit	Rates Quoted [in figures]Excluding Service Tax	Total
1	TRENCHING & REINSTATEMENT for UG cables other than 5 Pair a) Excavation of trenches in all types of soil like Non surfaced Strata[non rocky],Surfaced strata[Tarmac[Asphalt] footpath, tiled footpath, Cement concrete foot path ,along road side, Road crossings, at a normal depth of 90cm from the bottom of the cable to the top of the trench [top & bottom width 30cms	20 Km	Per Meter		
	b)Rocky Soil	0.5 Km	Per Meter		
2	TRENCHING & REINSTATEMENT: 5 PAIR CABLE at a normal depth of 60Cm and bottom width 30 cm in all type of soil/strata as above including pipe laying.	25 Kms	Per Meter		
3	Chiseling[cutting] RCC floor by 10CmX4cm for indoor DP work at Subscriber premises & reinstatement by procuring RCC materials as per specification	0.5 Km	Per Meter		
4	OF Cable construction work: Excavation of trench in all types of soil up o a nominal depth of 165Cms, laying PLB Pipes, Pulling OF cables & other allied works and reinstatement of trench & fixing joint /route indicators	5 Km	Per Meter		
5	Supply and Laying of bricks Longitudinally of size 9" x 4" x 3"	2 Km	Per Meter		
6	Supply and Laying of Bricks Transversely of size 9" x 4" x 3"	0.5 Km	Per Meter		
7	Laying fixing and sealing of full round RCC pipes/Tubes/GI pipes/half cut pipes on road crossing /culverts etc. The Company will supply RCC pipes/tubes/GI Pipes etc The Clamps, sealing cement and other accessories required for sealing and coupling the pipes and PP rope will be supplied by the contractor	0.5 Km	Per Meter		
8	Cement concreting in the ratio of 1.2:4 including the cost of material & labour [Cost inclusive of water curing & chiseling drainage walls if any , wherever reqd]	0.5Km	Per Cubic meter		

SI No.	Description of work	Approximate quantity	Unit	Rates Quoted [in figures] Excluding service tax	Total
9	Pulling & Laying of Cables in Trenches & Pipes				
	5pair cable	25 kms	Per Meter		
	10 pair to 50 Pair	15 Kms	Per Meter		
	100 &200 Pr.	4.5 Kms	Per Meter		
	400 Pr	0.4 Km	Per Meter		
	800 Pr and above	0.1 Km	Per Meter		
10	Recovery of Cables				
	Up to 50Pr cable	2 Kms	Per Meter		
	100/200 Pair	2.5 Kms	Per Meter		
	400 Pair	0.4 Km	Per Meter		
	800 Pair & above	0.1 Km	Per Meter		
11	Cable Jointing				
	5 Pair	500 joints	Per joint		
	10 Pair	200 joints	Per joint		
	20 Pair	100 joints	Per joint		
	50 pair	100 joints	Per joint		
	100 pair	50 joints	Per joint		
	200 pair	30 joints	Per joint		
	400 pair	10 joints	Per joint		
	800 pair & above	4 joints	Per joint		
	Pit of dimensions 1X1X1 meters for jointing /testing/ cable tracing & reinstatement of pit	1000	Per Pit		
12	Termination of Cables				
	Termination of cables on MDF	2000 Pairs	Per Pair		
	Termination of Cables on Pillars	10000 Pairs	Per Pair		
13	Construction of Plinth for Pillars as per specification laying of cable, wiring, earthing Erection, painting and sign writing of Pillars [ONE JOB] As per Specifications	50 No	Per Mini Pillar		
		10 No	Other than Mini pillar		
14	Fixing ,Erection, termination, painting and sign writing of Internal/External DPs				
	10/20 Pairs	40	Per DP		
	5 Pair	2500	Per DP		
15	Internal wiring through PVC conduit Pipe/wall ring/wall angle ring from Indoor DPs up to termination at LJU including fixing of above materials	500 Meters	Per Meter		

SI No.	Description of work	Approximate quantity	Unit	Rates Quoted [in figures] Excluding service tax	Total
16	Jointing Chambers: [2X2X1.8 meters] fixing pre-cast jointing chamber with cover or construction of chamber by bricks with suitable cover filling of jointing chamber with clean sand. The materials to be procured by the contractor [One Job]	10	Per Jointing chamber		
17	Documentation as per specification	60 sets	Per set		
Grand Total					

Grand Total of Rs (in words)

The Company will supply only Pillar shells .Other materials like Enamel Paint, RCC materials & water for curing required for the work shall be arranged by the contractor. Size of cable & lengths may vary but rate remains the same.

The Company will supply only the post materials, GI Pipes, PVC Pipes, DP boxes, The Contractor shall supply enamel paint for sign writing. **Necessary tools/clamps/nails/screws/gattas /saddles/wall rings/wall angle rings of suitable size of good quality etc. will be arranged by the contractor. The specification of works described under Section VI and other relevant clauses of tender document are to be seen while quoting the rates.**

Service Tax as at prevailing rate [presently 10.3%] shall be claimed by the contractor with a valid Service Tax Registration number printed on the invoice/bill. The proof of payment of service tax has to be submitted when called for.