

# **Bharat Sanchar Nigam Limited**

## **(Electrical Wing)**

Office of  
Executive Engineer (E)  
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### **E-TENDER DOCUMENT**

**Name of work:-Construction of cable landing station (CLS) building  
at RK Mutt Road, Mandaveli, Chennai under CANI  
Submarine OFC Project; SW:- Providing EI &  
Fans.(Recall)**

**NIT No : 117 / EEE/ED-III/CH/2018-19**

This tender document contains **37** pages (Thirty seven only).

For E Tender Helpdesk Pls Contact M/s ITI LTD: Ph: 91-80-40482000 &  
Mail Id: twhelpdesk399@gmail.com, bsnltwhelpdesk@gmail.com

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**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING  
FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**

The Executive Engineer (E), BSNL Electrical Division III, Chennai on behalf of the CMD, BSNL invites online Item rate bids from eligible bidders in Single bid system for the following work:

1	Name of work	<b>Construction of cable landing station (CLS) building at RK Mutt Road, Mandaveli, Chennai under CANI Submarine OFC Project; SW:- Providing EI &amp; Fans.(Recall)</b>
2	Estimated cost put to tender	<b>Rs. 17,89,295/-</b>
3	Earnest Money	<b>Rs. 35,786/-</b>
4	Period of completion	One month after completion of Civil work
5	Tender Fee(Non-refundable)	Rs. 500/- + 18% GST.
6	Last date & time for online and physical submission of tender	Up to 15:00 Hrs. on 12/12/2018
7	Date and time for opening of tender	15:30 Hrs. on 12/12/2018
8	E-tender Processing fee (Non-refundable)	0.05% of estimate cost subject to the minimum of Rs.500/- and Maximum of Rs. 5000/- plus GST as applicable.

## ELIGIBILITY CRITERIA

The bidders satisfying the following condition:

**BSNL enlisted contractors in Electrical category of respective class as per their tendering limits.**

### IMPORTANT NOTE:

1. The self-attested copies of the following documents shall be scanned and uploaded to the e-tendering website within the period of tender submission. Online bid documents submitted by intending bidders shall be opened only of those bidders, who have deposited e-Tender Processing Fee with M/s ITI Limited, and have scanned and uploaded the following documents (and whose uploaded documents are found to be in order), otherwise the bid will not be opened and shall lead to disqualification.
  - a. Tender Fee in the prescribed format.
  - b. EMD in the prescribed format.
  - c. Certificate of Financial Turnover from Chartered Accountant.
  - d. Documents fulfilling Eligibility criteria (Please note that in case the bidder is authorised by the manufacturer, the original authorisation letter is to be scanned and uploaded)
  - e. Enlistment certificate issued by BSNL if applicable
  - f. Electrical license issued by TN Govt. if applicable
  - g. GST Registration Number details.
  - h. PAN Card.
  - i. EPF and ESI Registration certificate (if applicable)
  - j. Undertaking to abide by EW-6 and EW-8 (Form 'A')
  - k. Undertaking regarding EPF and ESI provisions (Form 'B')
  - l. Certificate of work experience issued by client department (Form 'C') if applicable
  - m. Undertaking regarding No Near relative working certificate (Form 'D')

**Not uploading the above documents, (even if the documents are submitted physically) shall lead to disqualification.**

2. The Physical Tender Fee, EMD, and if applicable the original authorisation letter by the manufacturer, (the scanned copies of which are uploaded) shall be deposited in the tender box available in the office of tender opening authority, by all the bidders before 3:00 PM on the tender opening date, failing which the tender shall not be opened.

**BSNL EW-6**  
Bharat Sanchar Nigam Limited  
Electrical Wing

Electrical Division: ED III, Chennai

Sub Division: ESD II, Chennai

1. Item rate tenders on single bid system are invited on behalf of CMD, BSNL for the work "Construction of cable landing station (CLS) building at RK Mutt Road, Mandaveli, Chennai under CANI Submarine OFC Project; SW:- Providing EI & Fans(Recall)" .from the eligible bidders as per NIT notification. The enlistment of the bidders should be valid on the opening date of tender. In case the date of opening of tender is extended, the enlistment of bidder should be valid on the original date of opening of tender.
2. Intending bidder is eligible to submit the bid provided that he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority as per the eligibility conditions mentioned in the NIT notification page.
3. The work is estimated to cost: **Rs. 17,89,295/- .(Excluding GST)**
4. Agreement shall be drawn with the successful bidder on prescribed form as amended up to the date of opening of tender. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
5. The time allowed for carrying out the work will be **One month after completion of Civil work.**
6. The site for the work is available / or the site for the works shall be made available in parts. The successful bidder shall execute the work in coordination with other agencies working in the campus.
7. The bid documents consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.tenderwizard.com /BSNL](http://www.tenderwizard.com/BSNL) at free of cost. The BSNL EW-8 document can be seen from the web site [www.chennai.bsnl.co.in](http://www.chennai.bsnl.co.in) at free of cost.
8. After submission of the bid, the bidder can re-submit revised bid any number of times but before last time and date of submission of tender as notified. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
9. The Tender Fee Rs. 500 + 18% GST in the form of Demand Draft issued by the Nationalized / Scheduled bank authorized by the Reserve Bank of India, drawn in favour of **BSNL, Chennai Telephones payable at Chennai** shall be scanned & uploaded in the e-tendering website within the period of tender submission. The validity of the tender cost in the form of DD shall be **60 days** from the date of opening.

10. The Earnest money deposit (EMD) for **Rs.35,786/-** in the form of Demand Draft / FDR / BG (BG is only for Air Conditioning, Diesel Engine Alternator, Lifts, and Sub Station works wherever the amount of EMD is more than Rs.20,000)/ CDR of a nationalized / scheduled bank authorized by the Reserve Bank of India, drawn in favour of **BSNL, Chennai Telephones payable at Chennai** shall be scanned & uploaded in the e-tendering website within the period of tender submission. The validity of the EMD in the form of DD shall be **60 days** from the date of opening. If the EMD is in the form of CDR/FDR/BG, the validity shall be **180 days** from the date of opening. In case of L1 bidder, the validity of CDR/FDR/BG is to be extended up to the observation period as that of the Performance guarantee / Security deposit. Exemption from payment of Tender Fee, Earnest Money and Security Deposit by any other unit/ department shall not hold good for BSNL.
11. Interested bidder who wishes to participate in the bid shall pay the e-tender processing fee to M/s. ITI Limited through their e-gateway by credit/debit card/ internet banking/ RTGS/NEFT facility.
12. All the documents as specified in the tender document shall be scanned and uploaded to the e-Tendering website within the period of bid submission.
13. Online bid documents submitted by intending bidders shall be opened only of those bidders, who have deposited E-tender processing fee with M/s ITI Ltd and EMD and other documents fulfilling eligibility criteria, scanned and uploaded are found in order.
14. The last date for online submission of bid is **12/12/2018 up to 3:00 PM** and the bid submitted shall be opened at 03:30 PM on the same day. If a holiday is declared on the tender opening day, the tender will be opened on the next working day.
15. The e-Tender processing fee and tender cost are non-refundable
16. **Performance Guarantee:** The bidder is required to furnish Performance guarantee for an amount equal to 5% of the contract value in the form of bank guarantee/CDR/FDR/DD (of a Nationalized/ Scheduled Bank in a standard format) within two weeks from the date of issue of acceptance letter. This period can be further extended by the Engineer-in-charge up to a maximum period of two weeks on written request of Bidder. The validity period of the performance security in the form of performance bank guarantee shall be: Three Months from the date of actual completion of work, for AMC works; and One year from the date of actual completion of work for all other works. **In case the bidder fails to deposit the said performance guarantee within the stipulated period, including the extended period if any, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice to the bidder and the bidder will not be allowed to participate in the re tendering for the same work.**
17. **Security Deposit:** In addition to Performance guarantee stated above, a sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum be deducted with the sum already deposited as earnest money, will amount to security deposit of 5% of the contract value of the work. **The security deposit shall be released after an observation period as follows: Three Months from the date of actual completion of work, for AMC works; and One year from the date of actual completion of work for all other works.**

18. In case any discrepancy is noticed in the documents as uploaded at the time of submission of the bid online, then the bid submitted shall become invalid and the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the bidder shall not be allowed to participate in the retendering process of the work.
19. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders, the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the BSNL and local conditions and other factors having a bearing on the execution of the work.
20. The competent authority on behalf of the CMD does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected. The competent authority on behalf of CMD reserves to himself the right of accepting the whole or any part of the tender and the bidder shall be bound to perform the same at the rate quoted.
21. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the bidders who resort to canvassing will be liable to rejection.
22. Agreement shall be drawn with the successful bidder on prescribed form. Bidder shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
23. The bidder should give a certificate as per the following that none of his/her relative is employed in BSNL units as per **Form 'D'**. In case of proprietorship firm, certificate will be given by the proprietor and for partnership firm certificate will be given by all the Directors of the company.
  - a. Near relatives of all BSNL employees either directly recruited or on deputation are prohibited from participation in tenders and execution of works in the different units of BSNL. The near relatives for this purpose are defined as:
    - i. Members of a Hindu Undivided family.
    - ii. They are husband and wife.

- iii. The one is related to the other in the manner as father, mother, son(s) & son's wife(daughter-in-law), Daughter(s) & daughter's husband(son-in-law), brother(s) & brother's wife, sister(s) & sister's husband(brother -in-law).
- b. The company or firm or any other person is not permitted to tender for works in BSNL unit in which his near relative(s) is(are) posted. The unit is defined as SSA/Circle/Chief Engineer/Chief Archt. /Corporate office for non-executive employees and all SSA in a circle including circle office/Chief Eng./Chief Archt./Corporate office for executive employees (including those called as Gazetted officers at present). The bidder should give a certificate that none of his/her such near relative is working in the units as defined above where he is going to apply for tender/work, for proprietorship, partnership firms and limited company certificate shall be given by the authorized signatory of the firm. Any breach of these conditions by the company or firm or any other person, the tender/work will be cancelled and earnest money/performance guarantee will be forfeited at any stage whenever it is so noticed. BSNL will not pay any damages to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation in the concerned unit.
- c. No employee in BSNL/ Govt. of India is allowed to work as a contractor for a period of two years of his retirement from service without the prior permission. The contract is liable to be cancelled if either the bidder or any of his employees is found at any time to be such a person who had not obtained the permission as aforesaid before submission of tender and engagement in the bidders service.
24. The tender for the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders. If any bidder withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the BSNL, then the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.
25. The agency has to comply with the provisions of EPF and miscellaneous provisions Act-1952 and employees provident fund scheme-1952 as amended up to date in respect of labours/employees engaged by them for this work. Any consequence arising due to non-complying of provisions as specified above shall be the sole responsibility of the firm only. The agency shall give an undertaking to this effect as per **Form 'B'**.
26. **Extension of Validity of tender:** In case, where the letter of award of work cannot be placed within the validity period of the tender, the BSNL can request the bidder to extend the validity of their respective tenders and the Earnest Money deposit by a reasonable period. In such cases, extension of validity of Earnest Money deposit by 30 days beyond the extended validity date of tender should also be asked for. While BSNL can make the request for extension, the



tenderer is free to either extend the validity or refuse the request to extend the validity.

27. Rates quoted by the contractor shall be firm and shall be valid for the currency of contract. **No cost escalation** shall be permitted during the currency of contract.
28. This notice inviting tender shall form a part of the contract document. The successful bidder, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
  - a. The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender, subsequent amendments issued and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b. Standard BSNL EW-8 form

## General Instructions to the Bidders

1. The intending bidder must read the terms and conditions of BSNL-EW 6 carefully. He should only submit his bid, if he considers himself eligible and he is in possession of all the documents required.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. Applicants are advised to keep visiting the above mentioned website from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.
4. Those bidders not registered on the website mentioned above, are required to get registered themselves beforehand. The intending bidder must have valid class-III digital signature to submit the bid.
5. On opening date, the bidder can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
6. Bidder can upload documents in the form of JPG format or / and PDF format.
7. Bidder must ensure to quote rate of each item. The column meant for quoting rate in figures appears in yellow colour. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO)
8. Even though any bidder may satisfy the above requirements, he would be liable to disqualification if he has:
  - a. Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
  - b. Record of poor performance such as abandoning work, not properly completing the contract, or financial failures / weaknesses etc.
9. If any information furnished by the bidder is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in BSNL. The BSNL reserves the right to verify the particulars furnished by the applicant independently.
10. GST and any other tax applicable in respect of this contract shall be borne by the bidder himself. The bidder shall quote his rates considering all such taxes. The TDS as per the Govt. regulations will be recovered from the contractor.
11. **Tender Evaluation :**
  - (a) The evaluation and comparison of responsive bids shall be done on the basis of Net cost to BSNL on the prices offered inclusive of packing, forwarding, freight and insurance charges etc., but excluding GST. The bid with lowest net cost as elaborated above will be the L1 bidder.

- (b) Vendors should furnish the correct GST Rate in the price schedule. If the Input Tax Credit is found to be not admissible at any stage subsequently owing to wrong furnishing of GST Rate, then the vendors will be liable to refund such non-admissible amount, if already paid, along with penalty if charged by the concerned authority.
12. However, pursuant to the constitution (Forty-sixth amendment) act, 1982, if any further tax or levy is imposed by statute, after the last date of receipt of tenders, and the contractors there upon necessarily and properly pays such taxes/ levies, the contractor shall be reimbursed the amount so paid, provided such payment, if any, is not in the opinion of Superintending engineer (whose decision shall be final and binding) be attributable to delay in execution of work within the control of contractor.
13. The Contractor shall, within a period of 30 days of imposition of any further tax or levy in pursuant to the constitution of (Forty sixth amendment) act 1982 give a written notice thereof to the Engineer-in-charge that the same is given pursuant to this condition, together with all necessary information relating thereto.
14. **Bye laws Indemnity against liabilities:**
- a. The bidder shall comply with all bylaws and regulations of the local and statutory authorities having jurisdiction over the works and shall be responsible for payment of all fees and other charges and giving and receiving all necessary notices and keep the Engineer -in-charge informed about the notices issued and received.
  - b. The bidder shall indemnify the department against all claims in respect of patent rights design, trademark or name of other protected rights in respect of any plant, machine, work or materials used for or in connection with the works or temporary works and from and against all claims demands, proceedings, costs, charges and expenses whatsoever in respect of or in relation thereto.
  - c. The bidder shall defend all actions arising from such claims and shall himself pay all royalties, License fees, damages, costs and charges of all and every sort that may be legally incurred in respect hereof shall be borne by the bidder.
  - d. All liabilities / penal recoveries on matters arising out of tax /levies such as incorrect deductions, discrepancies in the filing of returns, revised assessments by the concerned authorities etc., shall be borne by the bidder.
15. **Termination of contract on death of contractor :**  
Without prejudice of any of the rights or remedies under this contract, if the contractor dies, the Engineer in charge on behalf of the BSNL shall have the option of terminating the contract without compensation to the contractor.
16. **Indulging of contractor in criminal /antisocial activities and cases under investigation/charge sheeted by CBI or any other government agencies etc. :**  
If the CBI/Independent External Monitor (IEM) /Income tax/ Sales Tax /GST/ Central Excise/Custom Departments recommend such a course - Action will be taken as per the directions of CBI or concerned department.
17. As a general notion, the terms and conditions/instructions contained in various pages of this document are addressed assuming the bidder as 'Male'. However, the same shall remain and assumed to be addressed in case of 'Female' bidder also, except for the gender centric words, which shall be 'female' centric at appropriate places.

**FORM 'A'**

**Undertaking to abide by EW 6 & EW 8**

"I..... Son/Daughter of .....  
.....Resident of .....  
..... hereby give  
an undertaking that I have read the complete bid document and I am aware of all  
the clauses and sub clauses of BSNL EW 6 & 8 forms and I confirm that I will  
abide by all the terms and conditions available in BSNL EW 6 & 8 forms.

(Seal of the firm)

(Signature of Bidder)

**Undertaking regarding EPF provisions**

"I..... Son/daughter of .....  
.....Resident of .....  
..... hereby give an undertaking that

\* I/We have employed only ----- persons in our establishment and hence the EPF and Miscellaneous provisions Act, 1952 is not applicable to my / our establishment.

\* I/ We have registered as per the EPF and Miscellaneous provisions Act, 1952 and our registration no.\*\* is ----- . We undertake to keep it valid during the currency of contract.

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

\* strike out whichever is not applicable

\*\*Attach a self-attested photo copy of the above said EPF registration certificate.

(Seal of the firm)

(Signature of Bidder)

**Undertaking regarding ESI provisions**

"I..... Son of .....  
.....Resident of .....  
..... hereby give an undertaking that

\* I/We have employed only ----- persons in our establishment and hence the ESI and Miscellaneous provisions Act,1948 is not applicable to my / our establishment.

\* I/ We have registered as per the ESI and Miscellaneous provisions Act, 1948 and our registration no. \*\* is ----- . We undertake to keep it valid during the currency of contract.

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

\* strike out whichever is not applicable

\*\*Attach a self-attested photo copy of the above said ESI registration certificate.

(Seal of the firm)

(Signature of Bidder)

Performance report of works

1. Name of Agency
2. Name of work
3. Agreement no.
4. Final Value of Work Done
5. Date of start of work
6. Actual date of completion
7. Performance: Satisfactory / Not Satisfactory

Dated:

Executive Engineer or Equivalent

**FORM 'D'**

**No Near relative working certificate**

I..... Son /daughter of Shri/  
Smt.....Resident of..... hereby  
certify that none of my relative(s) as defined in the tender document is/are  
employed in BSNL unit as per details given in tender document. In case at any  
stage, it is found that the information given by me is false/incorrect, BSNL shall  
have the absolute right to take any action as deemed fit/without any prior  
intimation to me.

(Seal of the firm)

(Signature of Bidder)

**Annexure I**  
**MODEL FORM OF BANK GUARANTEE FOR EMD**  
**(For submitting EMD for Air Conditioning, Diesel Engine Alternator, Lifts,**  
**and Sub Station Works wherever the amount of EMD is more than Rs.20,000/-)**

Whereas \_\_\_\_\_ (hereinafter called "the bidder(s)") has submitted its Tender dated \_\_\_\_\_ for the work \_\_\_\_\_

\_\_\_\_\_ KN  
OW ALL MEN by these presents that WE  
\_\_\_\_\_ OF \_\_\_\_\_  
having our registered office at \_\_\_\_\_ (hereinafter called "the Bank") are bound unto \_\_\_\_\_ (hereinafter called "the BSNL") in the sum of \_\_\_\_\_ for which payment will and truly to be made of the said BSNL, the Bank binds itself, its successors and assigns by these presents.

THE CONDITIONS of the obligation are:

1. If the Bidder(s) withdraws its Tender during the period of Tender validity specified on the Tender Form: or
2. If the Bidder(s) having been notified of the acceptance of its Tender by the BSNL during the period of Tender validity.
  - (a) Fails or refuses to execute the Contract.
  - (b) Fails or refuses to furnish security Deposit in accordance with the conditions of Tender document.

We undertake to pay to the BSNL up to the above amount upon receipt of its first written demand, without the BSNL having to substantiate its demand, provided that in its demand, the BSNL will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force as specified in the Tender Document up to and including Thirty (30) days after the period of the Tender validity and any demand in respect thereof should reach the Bank not later than the specified date/dates.

**Signature of the Bank**

**Signature of the Witness**  
**Name of Witness**

**Address of Witness:**



**ANNEXURE II**  
**PERFORMANCE SECURITY GUARANTEE BOND**

In consideration of the CMD, BSNL (hereinafter called 'BSNL') having agreed to exempt \_\_\_\_\_ (hereinafter called 'the said bidder(s)') from the demand under the terms and conditions of an agreement/Advance Purchase Order No \_\_\_\_\_ dated \_\_\_\_\_ made between \_\_\_\_\_ and \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called "the said agreement"), of security deposit for the due fulfilment by the said bidder (s) of the terms and conditions contained in the said Agreement, on production of the bank guarantee for \_\_\_\_\_ we, (name of the bank) \_\_\_\_\_ ( hereinafter refer to as "the bank") at the request of \_\_\_\_\_ (bidder(s)) do hereby undertake to pay to the BSNL an amount not exceeding \_\_\_\_\_ against any loss or damage caused to or suffered or would be caused to or suffered by BSNL by reason of any breach by the said Bidder(s) of any of the terms or conditions contained in the said Agreement.

2. We (name of the bank) \_\_\_\_\_ do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BSNL by reason of breach by the said bidder(s)' of any of the terms or conditions contained in the said Agreement or by reason of the bidders(s)' failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of BSNL in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding \_\_\_\_\_.

3. We undertake to pay to the BSNL any money so demanded notwithstanding any dispute or disputes raised by the bidder(s)/supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the bidder(s)/supplier(s) shall have no claim against us for making such payment.

4. We(name of the bank)\_\_\_\_\_ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the BSNL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till \_\_\_\_\_ (office/BSNL) BSNL certifies that the terms and conditions of the said Agreement have been fully or properly carried out by the said bidder(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the expiry of

TWO/TWO AND HALF/THREE YEARS (as specified in P.O) from the date hereof, we shall be discharged from all liabilities under this guarantee thereafter.

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

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder(s)/supplier(s).

7. We (name of the bank) \_\_\_\_\_ lastly undertake not to revoke this guarantee during its currency except with the previous consent of the BSNL in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_

for \_\_\_\_\_ (indicate the name of bank)

**SCHEDULE OF QUANTITIES**

**Name of Work:-Construction of cable landing station (CLS) building at RK Mutt Road, Mandaveli, Chennai under CANI Submarine OFC Project; SW:- Providing EI & Fans.(Recall)**

Sl. No	Description of Item	Qty	Rate per unit excluding GST	Unit	Total Amount excluding GST	CGST		SGST		Rate per unit including GST	Total Amount including GST
						%	Rate	%	Rate		
	<b>Sub Head-I (Wiring)</b>										
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. [Group C]	198		pt		9 %		9 %			
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, conductor single core cable in surface/ recessed PVC conduit, earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	184		pt		9 %		9 %			

**UNPRICED SCHEDULE**

3	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	2 pts		pt		9 %	9 %			
4	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	350 mts		mtr			9 %			
5	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	200 mts		mtr		9 %	9 %			
6	Wiring for circuit/ sub main wiring along with earth wire with the following size of FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required									
a	2 x 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	800 mts		mtr		9 %	9 %			
b	4x 6 sqmm + 2 x 6 sqmm earth wire	50 mts		mtr		9 %	9 %			
c	4 x 10 sqmm + 2 x 6 sqmm earth wire	100 mts		mtr		9 %	9 %			

Contractor

Engineer in Charge

7	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.										
a	2 x 1.5 sq. mm	100 mts		mtr		9 %		9 %			
b	3 x 1.5 sq. mm	50 mts		mtr		9 %		9 %			
c	4 x 1.5 sq. mm	50 mts		mtr		9 %		9 %			
d	6 x 1.5 sq. mm	400 mts		mtr		9 %		9 %			
e	9 x 1.5 sqmm	200 mts		mtr		9 %		9 %			
8	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.										
a	2 pair	100 mts		mtr		9 %		9 %			
9	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required (1 run of cable)										
a	1 run of cable	100 mts		mtr		9 %		9 %			
b	2 run of cable	100 mts		mtr		9 %		9 %			
10	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.										

**UNPRICED SCHEDULE**

a	20mm	500 mts		mtr		9 %		9 %			
b	25mm	600 mts		mtr		9 %		9 %			
11	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required										
a)	5/6 A switch	40 Nos		each		9 %		9 %			
b)	3 pin 5/6 A socket outlet	40 Nos		each		9 %		9 %			
c)	Telephone socket outlet	10 Nos		each		9 %		9 %			
12	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.										
a	1 or 2 Module (75mmX75mm)	10 Nos		each		9 %		9 %			
b	12 Module (200mmX150mm)	10 Nos		each		9 %		9 %			
13	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 15/16 A modular socket outlet and 5/6 A modular switch, connections etc. as required.										
		22 Nos		each		9 %		9 %			
14	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.										
		17 Nos		each		9 %		9 %			

UNPRICED SCHEDULE

15	Supplying and fixing RJ-45 Jack with Cat 6 on the existing modular plate & switch box including connections but excluding modular plate etc. as required	10 Nos		each		9 %		9 %		
<b>Total of Sub Head-I</b>										
<b>Sub Head-II ( MCB &amp; DB'S)</b>										
16	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)									
a	8 way (4 + 24), double door	3 Nos		each		9 %		9 %		
17	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral surface/ recess, complete with tinned copper bus bar, neutral including earthing etc. as required. (But without MCB/RCCB/Isolator)									
a	8 way (4 + 24), Double door	3 Nos		each		9 %		9 %		
18	Supplying and fixing 5 amps to 32 amps, 240/415 volts, 10kA, "C" curve, miniature circuit breaker suitable for inductive load, following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.									
a	Single pole	110 Nos		each		9 %		9 %		

b	Triple pole	2 Nos		each		9 %		9 %			
19	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required										
a	63 A	2 Nos		each		9 %		9 %			
b	100A	3 Nos		each		9 %		9 %			
20	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	16 Nos		each		9 %		9 %			
21	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc.as required.										
a	For 8 way, Double door TPN MCBDB	2 Nos		each		9 %		9 %			
22	Supplying and fixing Cable End Box (Loose Wire Box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required.	3 Nos		each		9 %		9 %			
<b>Total Sub Head-II</b>											

UNPRICED SCHEDULE



<b>Sub Head-III ( Earthing)</b>											
23	Earthing with copper earth plate 600 mm x 600 mm x 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required	4 sets		set			9 %		9 %		
24	Providing and fixing 25 mm x 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required	40 mts		mt			9 %		9 %		
25	Providing and fixing 25 mm x 5 mm copper strip on surface or in recess for connections etc. as required	20 mts		mt			9 %		9 %		
26	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ sub main wiring/ cable as required.	250 mts		mt			9 %		9 %		
27	Providing and fixing earth bus of 50 mm x 5 mm copper strip on surface for connections etc. as required.	1 mts		mt			9 %		9 %		
<b>Total Sub Head-III</b>											
<b>Sub Head-IV ( Cabling)</b>											
28	Supply , Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3 1/2 core 35 sq mm in following manner as required.										
a	on surface of wall (clamped with 1 mm thick saddle)	40 mts		mt			9 %		9 %		

b	in existing masonry duct	10 mts		mt		9 %		9 %			
	-										
29	Supply , Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3 1/2 core 50 sqmm size in following manner as required.										
a	on surface of wall (clamped with 25 x 3 mm MS Flat)	70 mts		mt		9 %		9 %			
b	in existing masonry duct	30 mts		mt		9 %		9 %			
30	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.										
a.	3 1/2 core 35 sqmm (32 mm)	6 sets				9 %		9 %			
b	3 1/2 core 50 sqmm (35 mm)	4 sets				9 %		9 %			
<b>Total Sub Head-IV</b>											
<b>Sub Head V (fitting and Fans)</b>											
31	Supplying, Installation, testing and commissioning of the following pre-wired LED fitting , complete with all accessories etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.										

	<p><b>Note:</b></p> <p>1) All light fittings and fans shall be got approved by BSNL before supply at site.</p> <p>2) All the light fittings should have the following features</p> <p>a) THD shall be less than 10%</p> <p>b) PF should be 0.9 or better</p> <p>c) RoHS compliance</p> <p>d) LED lamps should have a luminous efficacy of 90 lumens/Watt or better</p>										
a	Surface/suspended type 4 Ft LED Integrated batten fitting with fire retardant extruded Plastic / metal frame with <b>maximum</b> power input of 20 W and with Lumens output not less than 2000 Lumens, 6500K or more. (Philips /Wipro Trim LED Neo LL 20/Bajaj Baton/Crompton or Similar Superior make)	11 Nos	Each		9 %		9 %				
b	Surface mounting type Round LED Integrated fitting with maximum power input of 20 W and with Lumens output not less than 1000 lumens, 5700 - 6000 K (Wipro Iris , Bajaj Sleek RD , Crompton , philips or Equivalent)	8 Nos	Each		9 %		9 %				
32	Supplying, Installing, testing and commissioning of following recess mounting type LED fitting including all accessories in the false ceiling including supplying and fixing 2 Nos chain arrangement / Clip etc and connection with 1.5 sq. mm FR PVC insulated copper conductor, single core cable including S/F flexible PVC conduit etc as required.										

a	LED recess mounted type Panel Luminaire 2'x2' size up to 36 W (max), capable of delivering 3600 lumens (min) output , CCT 5700 K or more( Havells pluto Neo , Bajaj Sky Lux, Wipro Elate or Equivalent)	74 Nos	Each	9 %	9 %					
b	LED recess mounted type Panel Luminaire 2'x2' size up to 18 W (max), capable of delivering 2000 lumens (min) output , CCT 5700 K or more ( Havells Venus Neo, Wipro Immaculate +, crompton/philips or Equivalent)	17 Nos	Each	9 %	9 %					
c	LED recess mounted type Down lighter (Round) 18 W (Max) suitable for delivering 1700 lumens (min) output. CCT 4000-4500K, ( Wipro helios, Crompton CROM,Bajaj Dovee pro, philips or Equivalent)	82 Nos	Each	9 %	9 %					
33	Supplying & fixing of 400 mm sweep wall mounting fan , suitable for 230V, 50 Hz supply etc. as required. (Make- Crompton,Bajaj, Havells, Khaitan, Usha or SS)	5 Nos	each	9 %	9 %					
34	Supplying ,Installation, testing and commissioning of 1200 mm ceiling fans with BEE 5 star rating for energy efficiency, including wiring the down rods of standard length (upto 30cm) with 1.5sq mm FR PVC insulated, copper conductor single core cable etc as required. ( without Regulator) (Make- CG/Bajaj/Usha or SS)	15 Nos	each	9 %	9 %					

**UNPRICED SCHEDULE**

35	Supplying and fixing 2 module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	15 Nos		each		9 %	9 %			
36	Supplying & fixing of 300 mm sweep exhaust fan with metal blade, suitable for 230V, 50 HZ, ac supply etc. as required. ( Make Crompton, Bajaj, Havells, Khaitan, Usha or SS)	5 Nos		each		9 %	9 %			
37	Supplying & fixing of 450 mm sweep exhaust fan , suitable for 230V, 50 HZ, ac supply etc. as required. ( Make :- Crompton, Havells, Khaitan, Usha or SS)	1 Nos		each		9 %	9 %			
	<b>Total Sub Head-V</b>									
	<b>Sub Hesd - VI (Main Panel)</b>									

38	<p>SITC of floor mounting cubicle type extensible LT panel suitable for 415V, 3 phase, 4 wire, 50 Hz AC supply system fabricated in compartmentalized design from CRCA sheet of 2 mm thick for frame work &amp; load bearing members and 1.6 mm for covers &amp; doors, 2 mm thick for gland plates, powder coated in approved shade having 400 Amps 4 strips Aluminum alloy bus bars of high conductivity with heat shrinkable coloured sleeves, DMC/SMC bus bar supports, bottom base channel of MS section not less than 100mm x 50 mm x 5mm thick, entire panel shall have a common copper earth bar of size 25mm x 3 mm at the rear with 2 numbers earth stud, solid connections from main bus bars to switch gears with required size Al. bus bars /copper cables and control wiring with 1.5 sq.mm PVC insulated copper conductor FRLS wires , cable alleys, cable gland plates in two halves, i/c providing following switch gears and providing necessary channel/angle iron supports of suitable size for mounting the panel etc as required as per specification as required ( App size 3400mmx2100mmx400mm)</p> <p>a. 250 A 4Pole MCCB with 36KA Breaking capacity and thermal release range 200 to 250 A - 4Nos.</p> <p>b. 125 A TPN SDFU - 6 Nos.</p> <p>c. 63 A TPN SDFU - 7 Nos.</p> <p>e. 0-500 V Digital Voltmeter - 1No</p> <p>f. 0-300 A Digital Ammeter - 1 No</p> <p>g. 300/5 A class 1 CT with 5 VA burden - 3 Nos</p> <p>h. RYB LED Indication Lamp with protection fuses - 1set</p> <p>i. Space for accommodating 2 Nos 125A TP N SDFU</p>	1 Job	Job		9 %		9 %				
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**UNPRICED SCHEDULE**

	Note: The panel drawing shall be got approved by the Engineer in charge before fabrication.( All Items shall be BSNL approved make)										
	Total Sub Head-VI										

**Abstract Of Cost**

		Amount Excluding GST	Amount including GST
1	Total of Sub Head-I		
2	Total Sub Head-II		
4	Total Sub Head-III		
5	Total Sub Head - IV		
6	Total Sub Head-V		
7	<b>Total Sub Head-VI</b>		
	<b>Grand Total amount excluding GST (Net Cost)</b>		
	<b>Grand Total amount including GST</b>		

**IMPORTANT NOTES**

1	The firm shall be responsible to ensure that GST shown in the above columns is correct & Input Tax Credit for the amount shown above is admissible as per GST Act as amended up to date.
2	Tax Invoice /Bill of supply should be pre-printed with all the details as per the requirement under GST Act.
3	The evaluation and comparison of responsive bids shall be done on the basis of Net cost to BSNL on the prices offered inclusive of packing, forwarding, freight and insurance charges etc., but excluding GST.
4	The rates for all items of work shall, unless clearly specified otherwise, include cost of all labour, materials and other inputs involved in the execution of the terms as specified in the scope of work.
5	No advance payments can be made. Stipulations like levy of interest if payment is not made in a specified time are also not acceptable and the payment is governed by the normal BSNL practice.
6	Bidders must mandatorily quote for all GST components (CGST, SGST, IGST) as applicable.
7	Bidders must mandatorily mention correct HSN / SAC codes.

CONTRACTOR

EXECUTIVE ENGINEER(E)

Contractor

Engineer in Charge

## TECHNICAL SPECIFICATION

1. The work is to be carried out as per CPWD specifications (Internal/External) and I.E. Rule amended from time to time & Indian Electricity Rules as amended up to date.
2. Good workmanship is an essential requirement to be complied with. The entire work of Manufacture, Fabrication, assembly and installation shall conform to sound engineering practice. Rates quoted shall be inclusive of packing, forwarding, insurance, freight and delivery at site Watched ward of all materials.
3. All sundry fittings, assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connection as required and all other sundry items which are useful & necessary for proper assembly and efficient working of the various components of the works shall be deemed to have been included in the tender.
4. Following works shall be carried out by the contractor and therefore their cost shall be deemed to be included in their tendered cost.
  - a) The contractor shall be responsible for repairing all damages and restoring the same to their original finish. He shall also remove at his cost all unwanted and waste materials arising out of his work from his site.
  - b) All chases required in connection with the electrical works shall be provided and filled by the Contractor to the original finish.
  - c) Temporary shed if required over the storage space and locking arrangement, watch and ward of the materials shall be provided by firm till completion of the work and final taking over of the installation by the department.
5. The contractor shall employ qualified engineer / supervisor as required and intimate names of Such Persons to the Engineer-in-charge on commencement of work. Failure to employ will attract penalty as per agreement.
6. Termination of all connections on main board, sub main board & distribution boards will be done by Crimping method & nothing extra will be paid on this account.
7. Numbering and sign writing of the entire installation shall be carried out by the contractor as per Instructions of the Engineer-in-charge for which nothing extra shall be paid.
  - a) On completion of installation following tests shall be carried out.
  - b) Polarity test
  - c) Earth continuity test
8. On completion of installation a certificate shall be furnished by the contractor in prescribed Performa, this certificate shall be in addition to the certificate required by local electric Supply Company.



**LIST OF APPROVED MAKES**

<b>SNo.</b>	<b>Item</b>	<b>Makes</b>
1	Engine	Ashok Leyland / Cummins/ Cater pillar /KOEL/ Volvo Penta / Mahindra & Mahindra (up to 200 KVA) /Escorts (up to 30 KVA)/ Eicher (up to 35 KVA)
2	Alternator(Brushless)	Crompton Greaves (AL. series) / KEC / Leroy Somer / Stamford/Jyoti Ltd
3	Battery (Lead Acid / Mntc. Free)	Amara Raja / AMCO / Farukawa / Hitachi / Exide/ Prestolite / Standard
4	HV Switchgear (Vacuum Circuit Breaker/SF6 )	Biecco Lawrie / Crompton / Kirloskar / MEI / Jyoti Ltd
5	Transformer (Oil filled / Dry type) a) Above 400 KVA	ABB / Schneider Electric / Andrew Yule / Bharat Bijlee / Crompton / EMCO /Kirloskar / Siemens
	b) Up to 400 KVA	In addition to above makes, Uttam/ Patson /Rajasthan Transformer and Switchgear
6	Air Circuit Breaker	L&T/ Schneider Electric / Siemens
7	MCCB(Ics=Icu)	L&T/ Schneider Electric / Siemens
8	SDF units	L&T/ Schneider Electric / Siemens/HPL/Havells
9	Power Contactors	L&T/ Schneider Electric / Siemens/ Lakshmi(LECS)
10	Change Over Switch	HPL / Havells / H-H Elcon
11	Intelligent APFC Relay	L&T/EPCOS(Siemens)/ Schneider Electric / Neptune Ducati/Syntron/ABB
12	Bus Bar Trunking/ Sandwiched Bus Duct	Moeller/L&T/Schneider Electric/ABB/ Legrand /Zeta
13	Power Capacitors (MPP/APP)	L&T/EPCOS(Siemens)/ABB/Crompton/ Schneider Electric / Neptune Ducati
14	Digital/ KWHr meter	Schneider Electric/ AE/ Digitron / IMP/Meco / Rishabh /Universal/HPL/L&T/ABB/Yokins
15	Cold shrink HT/LT Cable Joint	Denson / 3M(M-Seal )/ Raychem
16	Rubber Matting	ISI mark
17	MCB/ Isolator /ELCB/RCCB/ Distribution Board	Crompton / Havells / Indokopp / MDS Legrand / L&T / Schneider Electric/ Siemens / Standard/ABB/HPL
18	MS/ PVC Conduit	ISI mark
19	Cable Tray	MEM/Bharti/Ratan/Slotco/Profab
20	HT/LT Cables	ISI mark
21	PVC insulated copper conductor wire	ISI mark
22	Centrifugal Pump	Amrut / BE / Beacon / Batliboi /Crompton / Jyoti / Kirloskar / KSB / Mather & platt / WASP/Grundfos
23	Submersible Pump	Crompton/Amrut / BE / Calama / Kirloskar / KSB
24	Motors	ABB/ Bharat Bijlee / Crompton Greaves / Schneider Electric / HBB / KEC / Siemens/Jyoti Ltd
25	Fresh Air Fans	GE / Khaitan/Almonard/Crompton
26	Starter	ABB / BCH / Schneider Electric / L&T / Siemens /
27	Single Phase Preventer	L&T / Minilec / Siemens / Zerotrip

28	GI/MS Pipe	ATC / ATL / BST / GSI / ITC / ITS / IIA / JST / Jindal /TTA / Tata/Zenith
29	Foot Valve	ISI mark
30	Gate Valve	Advance/Audco/Johnson Controls / Zoloto/ Annapurna / Fountain /Kirloskar / Leader / Sant / Trishul
31	Compressors	Carrier/Emerson copeland/York/Danfoss (for chillers only)
32	Resin Bonded Glass wool	Fibre Glass / Pilkington / UP Twiga
33	Expanded Polystyrene	BASF(India) Ltd.
34	Gauge	Feibig / H.Guru / Pricol
35	Controls	FLICA / Honeywell / Indfoss / Penn- Danfoss / Ranco / Ranutrol / Sporland
36	Fine Filters	Anfiltra Effluent / ARW / Athlete/ Airtake / Dyna / Kirsloskar/ Puromatic/ Purafill/ Purolator / Tenacity
37	GI Sheet	HSU Jindal / National / Nippon Denro / Sail / Tata
38	Heat Detector	Appollo / Chemtron/ Edward / Fenwal/ Hochiki / Nitton /System Sensor/ Wormald/Honeywell Essar/Notifier
39	Ionization Detector	Appollo / Cerebrus / Edward/ /Fenwal / Hochiki / Nitton / System Sensor /Wormald
40	Photo Electric Smoke Detector	Appollo / Cerebrus / Edward / Fenwal/ Hochiki / Nitton / Wormald /System Sensor
41	Fire Panel (Microprocessor based)	Agni Instruments / Agni Devices/ Aruna Agencies / Carmel Sensor / Ravel Elect. / Honeywell Essar / Notifier / Navin Systems
42	Sprinkler/ Hose Reel & Hose Pipe	ISI mark
43	Fire Extinguisher	ISI mark
44	Lift	OTIS, Kone, Mitsubishi , Schindler, Johnson, Thyssenkrupp Elevator(India)

**NOTE:**

- 1. In case of External / PMC works, the list of approved makes may be modified as per client's requirement.**
- 2. The accessories such as CT/PT/measuring instrument/relays provided by approved make in respect of Transformer/HT Panel/DG /AC Package Units as supplied by approved manufacturer along with the equipments are also acceptable in addition.**
- 3. Any additional makes may be approved by concerned PCEs/Sr CEs/CEs(Elect) for the work under his jurisdiction as already accorded vide letter no. 3-2-5/EW/VEP-1/2007 dated 05-07-2007.**

## PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each intending tenderer)

### SCHEDULE 'A'

Schedule of quantities : Attached

### SCHEDULE 'B'

Schedule of materials to be issued to the bidder: Nil

### SCHEDULE 'C'

Tools and plants to be hired to the bidder: Nil

### SCHEDULE 'D'

Extra schedule for specific requirements/ documents for the work, if any: Nil

### SCHEDULE 'E'

Schedule of components of Materials, Labour etc. for escalation: Nil

### SCHEDULE 'F'

Reference to General Conditions of contract:

Name of work:	As per NIT notification page
Estimated cost of work:	
Earnest money:	
Security Deposit and performance Guarantee	

General Rules & Directions: Officer inviting tender: EE(E), ED III, Chennai

Definitions:

- 2(v) Engineer-in-Charge : EE (E), ED III, Chennai
- 2(vi) Accepting Authority : **SE (E), BSNL Electrical Circle-II, Chennai.**
- 2(x) Percentage on cost of materials and labour to cover all overheads and profits : 15%(Fifteen)

### CLAUSE 5

Time allowed for execution : One month after completion of civil work

Authority to give fair and reasonable extension of time for completion of work: SE (E), EC-II, Chennai

Competent Authority for deciding reduced rates : SE (E), EC-II, Chennai

### Clause 25

Competent authority for conciliation: SE (E) not in-charge of the work.

**BSNL EW-8**  
Bharat Sanchar Nigam Limited  
Electrical Wing

Electrical Division: EE(E), ED III, Chennai

Sub Division: ESD II, Chennai

1. I/we have read and examined the notice inviting tender, schedule, specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special conditions, Schedule of Rates and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.
2. I/We hereby tender for the execution of the work specified for BSNL within the time specified, schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.
3. I/We agree to keep the tender open for ninety (90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.
4. If I/We, fail to commence the work specified, I/We agree that the said BSNL shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely and the same may at the option of the competent authority on behalf of BSNL be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.
5. Should this tender be accepted, I/We agree to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered upto maximum of percentage mentioned in clause 12.3 of the tender form and those in excess of that limit at rates to be determined in accordance with provisions contained in clause 12.2.
6. I/we agree to furnish to BSNL, Deposit at Call receipt/FDR/ Bank guarantee of a Nationalized/ Scheduled Bank for an amount equal to 5% of the contract value in a standard format within two weeks from the date of issue of award letter. I/We agree to keep the performance bank guarantee valid as per the BSNL terms and conditions.
7. I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety or interest of BSNL.

Contractor

Engineer in Charge

<p>Signature of Witness (required in the case of bidder's thumb impression is given by the bidder in place of signature) Occupation of Witness :</p>	<p>(Signature of bidder ) (Name &amp; Postal address)</p> <p style="text-align: center;">Seal of Bidder</p> <p>Date:</p>
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**Acceptance of Tender**

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

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

- a)
- b)

For & on behalf of BSNL

Dated

Signature:

Designation:

Contractor

Engineer in Charge