

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**



**BHARAT SANCHAR NIGAM LIMITED**

(A Govt of India Enterprise)  
(Electrical Wing)

**O/o The Executive Engineer (E)  
BSNL Electrical Division-III**

No.22, Kellys Road,  
Chennai - 600010.

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**E-TENDER DOCUMENT**

**NAME OF WORK: Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

**NIT No: 85/ED-III/BSNL/CH/24-25 dtd 16.12.2024**

This tender document contains 43 (**Forty three**) pages only.

**For E Tender Helpdesk Pls Contact: [https:// etenders.gov.in](https://etenders.gov.in).**

**Ph: 0120-4200462/4001002/4001005/6277787**

**Mail Id: [support-eproc@nic.in](mailto:support-eproc@nic.in)**

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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 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>Providing of Electromechanical services,Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)</b> |
| 2 | Estimated cost put to tender                     | <b>Rs.3,80,522/- (i/c GST)</b>   |
| 3 | Earnest Money                                    | <b>Rs.7610/-</b>   |
| 4 | Period of completion                             | <b>One month</b>   |
| 5 | Tender Fee(Non-refundable)                       | <b>Rs.590/- ( 500/- + 18% GST.)</b>  |
| 6 | Last date & time for online submission of tender | <b>Up to 15:00 Hrs. on –28.12.2024</b>   |
| 7 | Date and time for opening of tender              | <b>15:30 Hrs. on -30.12.2024</b>   |

## **ELIGIBILITY CRITERIA**

**BSNL enlisted contractors in the 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 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.
  - g. GST Registration Number details.
  - h. PAN Card.
  - i. EPF and ESI Registration certificate
  - 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')
  - n. Undertaking regarding preference to " Make in India " policy (Form E)
  - o. Compliance Statement as per page no.48

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

2. . The Physical Tender Fee, EMD, the original authorisation letter by the manufacturer (wherever applicable), (the scanned copies of which are uploaded) shall be deposited in the tender box available in the office of tender opening authority, by the bidder within in 5 days from the tender opening date, failing which the tender will not be considered for further processing.

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

**Additional note:**

In addition to the above conditions, the bidder shall satisfy the following condition pertaining to preference to “ Make in India” policy. Only Class- I local supplier / Class- II local supplier defined under the Revised Public Procurement (Preference to Make In India) Order 2017, issued vide DPIIT, Ministry of Commerce and Industry order no. P-45021/2/2017-PP(BE-II) dated 16.09.2020 (as amended from time to time) shall be eligible to bid. All rulings w.r.t. local content, Class- I local supplier / Class- II local supplier as well as non local supplier etc shall be as per the cited order. The bidders offering imported products will fall under the category of non local suppliers. The bidders can't claim themselves as Class- I local supplier / Class- II local supplier by claiming the services such as transportation, insurance, installation, commissioning and after sales service support such as AMC/CMC etc as local value addition. Bidders are required to submit declaration as per Form 'E'

**BSNL EW-6**

Bharat Sanchar Nigam Limited  
Electrical Wing

Electrical Division: ED III, Chennai

Sub Division: ESD II, Chennai

Item rate tenders on single bid system are invited on behalf of CMD, BSNL for the work **"Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)** 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.

1. 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.
2. The work is estimated to cost **Rs.3,80,522/- (including GST)**
3. 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.
4. The time allowed for carrying out the work will be **One month**
5. 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.
6. 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 <https://etenders.gov.in> 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.
7. 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.
8. 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.
9. The Earnest money deposit (EMD) for **Rs.7,610/-** 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.

10. 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.
11. The last date for online submission of bid is \_\_\_\_\_ up to 3:00 PM and the bid submitted shall be opened on \_\_\_\_\_ at 03:30 PM. If a holiday is declared on the tender opening day, the tender will be opened on the next working day.
12. The tender cost is non-refundable
13. **Performance Guarantee:** The bidder is required to furnish Performance guarantee for an amount equal to 3% 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 ( **APO- Advance purchase order** ). 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. **The award letter (PO) shall be issued only after receipt of the performance guarantee. In case the bidder fails to deposit the said performance guarantee within the stipulated period, including the extended period if any, BSNL will be at liberty to disqualify the bidder from bidding for any contract with BSNL for a period of one year from the date of disqualification as may be notified by BSNL (without Prejudice to BSNL's rights to claim damages or any other legal recourse).**
14. **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.**
15. 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.
16. 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.

17. 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.
18. 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.
19. 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.
20. 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.



21. 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.
22. 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'**.
23. **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.
24. 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.
25. 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. Tender Bidding Methodology: - "Single bid System".
6. On opening date, the bidder can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
7. Bidder can upload documents in the form of JPG format or / and PDF format.
8. 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)
9. 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.
10. 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.
11. 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.
12. **Tender Evaluation :**
  - (a) The evaluation and comparison of responsive bids shall be done on the basis of Total cost on the prices offered inclusive of Taxes, packing, forwarding, freight and insurance charges etc.,. The bid with lowest total 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.~~

13. 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.
14. 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.
15. **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.
16. **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.
17. **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.
18. 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)

**FORM 'B'**

**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)

**FORM 'C'**

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)

**FORM'E'**

**Format for Self Certification under Preference to "MAKE IN INDIA" Policy**

(Preferably to be printed in letter head)

In line with Government Public Procurement Order No.P-45021/2/2017-PP (BE-II) dated 04.06.2020 and its amendments, we hereby certify that we M/s .....are local supplier meeting the requirement of minimum local content i.e.,.....% as defined in above orders for the material against NIT No.....dated.....

Details of location at which local value addition will be made is as follows:

.....  
.

We also understand, false declarations will be in breach of the code of integrity under rule175(1)(i)(h)of the General Financial Rules for which a bidder or its successors can be debarred for upto two years as per Rule 151(iii)of the General Financial Rules along with such other actions as may be permissible under law.

Thanking You

**Signature with date:**

**Name:**

**Designation:**

**Official Seal**

Dated:\_\_\_\_\_2023.

**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 \_\_\_\_\_  
\_\_\_\_\_ KNOW 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)



Name of work: **Providing of Electromechanical services,Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

| SCHEDULE OF QUANTITIES  |   |            |                       |      |                      |      |         |      |          |                      |
|---|---|------------|-----------------------|------|----------------------|------|---------|------|----------|----------------------|
| Name of Work:-Providing of Electromechanical services,Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location) |   |            |                       |      |                      |      |         |      |          |                      |
| Sl. No  | Description of Item   | Qty        | Rate per unit ex. GST | Unit | Total Amount ex. GST | CGST |         | SGST |          | Total Amount i/c GST |
|   |   |            |                       |      |                      | %age | Rate    | %age | Rate     |                      |
| 1   | 2   | 3          | 4                     | 5    | 6                    | 7    | 8=(6x7) | 9    | 10=(6x9) | 11=(6+8+10)          |
|   | SH-I EI & FANS  |            |                       |      |                      |      |         |      |          |                      |
| 1   | Supply &Laying of following size of PVC insulated and PVC sheathed / XLPE Aluminium armoured power cable of 1.1 KV grade on surface/ in panel etc as reqd   |            |                       |      |                      |      |         |      |          |                      |
| 1.1   | a)4x25Sqmm cable  | 10.00 Mtrs |                       | mtr  |                      |      |         |      |          |                      |
| 2   | Supply & Laying of following size of PVC insulated and PVC sheathed / XLPE Aluminium armoured power cable of 1.1 KV grade etc as reqd in the existing RCC/ HUME/ METAL pipe/ccable trench as required.                                  |            |                       |      |                      |      |         |      |          |                      |
| 2.1   | a)4x25Sqmm cable  | 5.00 Mtrs  |                       | mtr  |                      |      |         |      |          |                      |
| 3   | Supply &Laying of following size of PVC insulated and PVC sheathed / XLPE Aluminium armoured power cable of 1.1 KV grade in the ground i/c exsivating the earth upto the depth of 2.5 feet without bricks and sand cushtion etc as reqd |            |                       |      |                      |      |         |      |          |                      |
| 3.1   | a)4x25Sqmm cable  | 25.00 Mtrs |                       | mtr  |                      |      |         |      |          |                      |
| 4   | 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.                                 |            |                       |      |                      |      |         |      |          |                      |

Contractor

Engineer in Charge

**Name of work: Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|      |  |         |  |      |  |  |  |  |  |  |
|------|--|---------|--|------|--|--|--|--|--|--|
| 4.1  | 4 X 25 sq. mm (28mm)   | 4 Sets  |  | Set  |  |  |  |  |  |  |
| 5    | Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.   | 20 Mtrs |  | Mtr  |  |  |  |  |  |  |
| 6    | Supply & laying of 40mm dia GI B class pipe for for road crossing of cable etc as reqd   | 5 Mtrs  |  | mtr  |  |  |  |  |  |  |
| 7    | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.  | 25 Mtrs |  | mtr  |  |  |  |  |  |  |
| 8    | Supply and fixing of 100 A onload change over switch with Sheet steel Encloser with all accessories on the surface of wall etc as reqd   | 1 Job   |  | job  |  |  |  |  |  |  |
| 9    | Supply & Fixing of the following TPN SDFU switches on surface of wall in sheet Steel Enclosure with HRC fuses etc complete as required.  |         |  |      |  |  |  |  |  |  |
| 9.1  | a)63A switch   | 1 Job   |  | job  |  |  |  |  |  |  |
| 10   | S/F of the following porcelain fuse cutout in the board on pole/meter box with all accessories etc as reqd   |         |  |      |  |  |  |  |  |  |
| 10.1 | a)100A fuse cutout   | 3 nos   |  | each |  |  |  |  |  |  |
| 11   | Overhead Service connection arrangement with 4 x 16 sq.mm size PVC insulated Al. conductor wire in the following manner  |         |  |      |  |  |  |  |  |  |
| 11.1 | i) With 2 runs of stay wire and insulators   | 25 Mtrs |  | mtr  |  |  |  |  |  |  |
| 11.2 | ii) In loose looping/existing pipe   | 5 Mtrs  |  | mtr  |  |  |  |  |  |  |
| 12   | Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer ) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) |         |  |      |  |  |  |  |  |  |
| 12.1 | 4 way (4 + 12), Double door  | 1 nos   |  | each |  |  |  |  |  |  |

Contractor

Engineer in Charge

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|      |  |          |  |       |  |  |  |  |  |  |
|------|--|----------|--|-------|--|--|--|--|--|--|
| 13   | Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.  |          |  |       |  |  |  |  |  |  |
| 13.1 | a) Single pole   | 6 nos    |  | each  |  |  |  |  |  |  |
| 13.2 | b) Triple pole   | 2 nos    |  | each  |  |  |  |  |  |  |
| 13.3 | c) 100 A FP Isolator   | 1 nos    |  | each  |  |  |  |  |  |  |
| 14   | 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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. |          |  |       |  |  |  |  |  |  |
| 14.1 | a) Group A   | 1 Points |  | point |  |  |  |  |  |  |
| 14.2 | b) Group B   | 3 Points |  | point |  |  |  |  |  |  |
| 14.3 | c) Group C   | 2 Points |  | point |  |  |  |  |  |  |
| 15   | 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.   | 20 Mtrs  |  | mtr   |  |  |  |  |  |  |
| 16   | Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.  | 8 Mtrs   |  | mtr   |  |  |  |  |  |  |
| 17   | Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required  |          |  |       |  |  |  |  |  |  |

Contractor

Engineer in Charge

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|      |   |         |     |  |  |  |  |  |  |
|------|---|---------|-----|--|--|--|--|--|--|
| 17.1 | a)2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire  | 10 Mtrs | mtr |  |  |  |  |  |  |
| 17.2 | b)2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire  | 15 Mtrs | mtr |  |  |  |  |  |  |
| 17.3 | c)4 X 10 sq. mm + 2 X 6 sq. mm earth wire   | 15 Mtrs | mtr |  |  |  |  |  |  |
| 18   | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.   |         |     |  |  |  |  |  |  |
| 18.1 | a)1 x 1.5 sq. mm  | 5 Mtrs  | mtr |  |  |  |  |  |  |
| 18.2 | b)2 x 1.5 sq. mm  | 10 Mtrs | mtr |  |  |  |  |  |  |
| 18.3 | c)3 x 2.5 sq. mm  | 10 Mtrs | mtr |  |  |  |  |  |  |
| 18.4 | d)3 x 4 sq. mm  | 5 Mtrs  | mtr |  |  |  |  |  |  |
| 18.5 | e)2 x 6 sq. mm  | 10 Mtrs | mtr |  |  |  |  |  |  |
| 19   | 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. |         |     |  |  |  |  |  |  |
| 19.1 | a)20 mm   | 20 Mtrs | mtr |  |  |  |  |  |  |
| 19.2 | b)25 mm   | 15 Mtrs | mtr |  |  |  |  |  |  |
| 19.3 | c)32 mm   | 10 Mtrs | mtr |  |  |  |  |  |  |
| 19.4 | d)40 mm   | 5 Mtrs  | mtr |  |  |  |  |  |  |
| 20   | Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.                |         |     |  |  |  |  |  |  |

Unpriced schedule

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|      |  |       |      |  |  |  |  |  |  |
|------|--|-------|------|--|--|--|--|--|--|
| 20.1 | a)75 mm X 75 mm X 60 mm deep   | 1 nos | each |  |  |  |  |  |  |
| 20.2 | b)100 mm X 100 mm X 60 mm deep   | 1 nos | each |  |  |  |  |  |  |
| 20.3 | c)150 mm X 75 mm X 60 mm deep  | 1 nos | each |  |  |  |  |  |  |
| 20.4 | d)180 mm X 100 mm X 60 mm deep   | 1 nos | each |  |  |  |  |  |  |
| 20.5 | e)200 mm X 300 mm X 60 mm deep   | 1 nos | each |  |  |  |  |  |  |
| 21   | Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.   |       |      |  |  |  |  |  |  |
| 21.1 | a) 5/6 amps switch   | 5 nos | each |  |  |  |  |  |  |
| 21.2 | b) 15/16 amp switch  | 4 nos | each |  |  |  |  |  |  |
| 21.3 | c) 3 pin 5/6 amp socket outlet   | 5 nos | each |  |  |  |  |  |  |
| 21.4 | d) 6 pin 15/16 amp socket outlet   | 4 nos | each |  |  |  |  |  |  |
| 22   | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required. | 2 nos | each |  |  |  |  |  |  |
| 23   | Supplying and fixing 4P MCB sheet steel enclosure on surface/ recess complete with connections, testing and commissioning etc. as required..(Standard or SS Make)  | 1 Job | job  |  |  |  |  |  |  |
| 24   | Supplying and fixing of 20W LED Batten on surface of wall / ANG partition i/c connections with 1.5 sqmm copper conductor cable etc. Complete as reqd. (Make: Crompton / Philips / similar superior)              | 6 Job | job  |  |  |  |  |  |  |
| 25   | Supplying and fixing of 20A AC metal clad box with suitable MCB etc as reqd  | 2 Job | job  |  |  |  |  |  |  |

Unpriced schedule

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|    |  |         |     |  |  |  |  |  |  |
|----|--|---------|-----|--|--|--|--|--|--|
| 26 | Installation, Testing and commissioning of dismantled 1.5TR split AC unit along with copper piping, insulation, PVC drain pipe and wiring up to the standard length etc., including mounting of indoor unit with suitable arrangements and outdoor units on existing frame work, pressure testing, vacuumisation, gas charging the refrigerant system etc. as required | 2 Job   | job |  |  |  |  |  |  |
| 27 | Providing and fixing suitable size copper pipes of additional length for hot gas & liquid line along with tubular foam insulation for the above 1.5TR S/T AC unit etc. as reqd.  | 20 Mtrs | mtr |  |  |  |  |  |  |
| 28 | S/L of 4 core x 2.5 sq.mm chord wire for 1.5TR S/T AC units in the existing pvc pipe etc complete as required.   | 20 Mtrs | mtr |  |  |  |  |  |  |
| 29 | S/F of R32 Gas Topping up for star rated 1.5TR Split AC units up to required level   | 2 Job   | job |  |  |  |  |  |  |
| 30 | 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 metre long etc. with charcoal/ coke and salt as required.  | 2 Set   | set |  |  |  |  |  |  |
| 31 | 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.   | 20 Mtrs | Mtr |  |  |  |  |  |  |
| 32 | Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.   | 30 Mtrs | Mtr |  |  |  |  |  |  |
| 33 | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.  | 4 Set   | set |  |  |  |  |  |  |
| 34 | Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.  | 25 Mtrs | Mtr |  |  |  |  |  |  |

Contractor

Engineer in Charge

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|                             |   |         |  |      |  |  |  |  |  |  |
|-----------------------------|---|---------|--|------|--|--|--|--|--|--|
| 35                          | Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.  | 15 Mtrs |  | Mtr  |  |  |  |  |  |  |
| 36                          | Supplying & Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size 4 x 35 Sqmm PVC insulated armoured Al. conductor XLPE cable i/c making end termination for the cable etc., as required.  | 25 Mtrs |  | Mtr  |  |  |  |  |  |  |
| 37                          | Dismantling and removing of Canopy type 40KVA EA set, and all its connected accessories at existing location i/c disconnecting the cables, earth connection and battery and its cables and shifting/transporting the same (dismantled EA set and its connected parts) from old location to new location i/c loading at existing place and unloading and positioning the same at new location with specialised tools and plants like crane, tripod and man power etc as reqd | 1 Job   |  | job  |  |  |  |  |  |  |
| 38                          | SITC of 4 zone micro processor based automatic fire alarm control panel on surface of wall i/c removing the faulty panel and reconnecting zone/hooter/MCP cables with new panel testing and commissioning of the same/detectors/hooters/MCP with necessary tools and plants with suitable man power etc as reqd   | 1 Job   |  | job  |  |  |  |  |  |  |
| 39                          | SITC of Photo Electric type smoke detector with base on the existing system etc as reqd (make:Apollo)   | 4 nos   |  | each |  |  |  |  |  |  |
| 40                          | SITC of Electronic type hooter on the existing system etc as reqd (make:Ravel/Agni)   | 2 nos   |  | each |  |  |  |  |  |  |
| 41                          | SITC of Manual call Point (MCP) on the existing system etc as reqd (make:Ravel/Agni)  | 1 nos   |  | each |  |  |  |  |  |  |
| 42                          | S/L of 2 core x 1.5 sq.mm fire alarm armoured cables on surface of wall with all accessories etc complete as required.  | 30 Mtrs |  | mtr  |  |  |  |  |  |  |
| <b>Total Amount i/c GST</b> |   |         |  |      |  |  |  |  |  |  |

Contractor

Engineer in Charge

Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

Contractor

Executive Engineer(E)

| IMPORTANT POINTS |   |
|------------------|---|
| 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 Total cost on the prices offered inclusive of Taxes, packing, forwarding, freight and insurance charges etc.                 |
| 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

Engineer in Charge



**TECHNICAL SPECIFICATIONS**

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.

## **AUTOMATIC FIRE DETECTION AND FIRE ALARM SYSTEM**

### **1.0 GENERAL**

1.1.1 Scope: These general specification cover the details of equipment to be supplied, inspected as may be necessary before dispatch, delivery at site, installation, testing, commissioning and handing over in working condition of Fire Alarm System and Automatic Fire Alarm System (called FAS and AFAS).

1.1.2 Related documents: These technical specifications shall be read in conjunction with the standard conditions of contract with all correction slips as are relevant for commercial aspects, as well as schedules and drawings and requirements under these specifications. In the event of any discrepancy between these specifications and tender specifications the latter shall be followed and deemed to be having overriding value.

#### **1.2 System Engineering:**

1.2.1 General FAS/ AFAS installation comprises of trigger devices, automatic as well as manual indicating panels, sounders, power supply equipments including stand by battery unit, system wiring and mimic diagrams.

1.2.2 Scope of work: The scope of FAS / AFAS installation work shall generally comprise the supply, installation, testing and commissioning of the following. The scope shall also include the engineering design of the system, using the equipment offered. (i) Trigger devices viz. automatic fire detector of the required types and/or manual call boxes. (ii) Sounders of low intensity and high intensity types. (iii) Control and indicating panels including repeater panels, if any. (iv) Standby battery and charging unit. (v) Mimic diagram (s) (vi) P.A. System. (vii) System wiring.

#### **1.3 Conformity to Statutory Acts, Rules, Regulations, Standards & Safety Codes.**

1.3.1 Indian Electricity Act and Rules : All electrical works in connection with installation of FAS and AFAS shall be carried out in accordance with the provision of Indian Electricity Act, 2003 and the Indian. Electricity Rules 1956, both amended upto date.

1.3.2 CPWD Specification : The electrical installation work shall conform to CPWD General Specifications for electrical works Part I (Internal) 2013 and Part-II (External) 1994, both amended upto date.

1.3.3 Indian Standards: The system/components shall conform to relevant Indian Standards and National Building Code 2016 amended up to date.

1.3.4 International Standard: Conformity to International Standards is required only in the case of imported fire detectors. The standards applicable shall be indicated by the tenderer in their offer.

1.3.5 Fire regulations: The installation shall be carried out in conformity with the local Fire Regulations & Rules there under wherever they are in force and the provisions in local bye-laws, if any.

1.3.6 Safety Codes and Labour Regulations: In respect of all labour employed directly or indirectly on the work, the successful tenderer (herein after called the contractor) at his own expense will arrange for the safety provisions to comply with the statutory regulations, B.I.S. recommendations and CPWD Codes. In case of default, the department shall be at a liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.

The contractor shall provide necessary barriers, warning signals and other safety measures to avoid any accident. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Nothing in these specifications shall be construed to relieve the contractor of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with applicable Statutory Regulations and Safety Codes in force from the safety angle.

1.4 Component performance: All components of FAS /AFAS shall be new and suitable for the environment of installation at site. These shall be satisfactory in operation at voltage deviated by  $\pm 10\%$  from the nominal value

## **2.0 Works to be done by the Contractor:**

In addition to supply, installation, testing and commissioning of all the equipments and materials as per the schedule of work, the following works shall be deemed to be included within the scope of work to be executed by the contractor, whether or not indicated in the schedule of work.

- (i) Extension of the conduit ends upto the FAS / AFAS Equipments and loop earthing as required.
- (ii) All minor building work such as cutting and making good the damages.
- (iii) Necessary testing equipments.
- (iv) Watch and ward of the equipments, materials and installation, till their handing over to the department duly installed and commissioned.
- (v) Approval from the concerned fire authorities as may be required as per the local Fire Regulations and byelaws.

Drawings and manual to be furnished by the Contractor:

(a) The contractor shall submit in duplicate the following drawings within a fortnight of the award of work for approval by the department:

- (i) Layout of detectors, manual call boxes and all other accessories.
- (ii) Wiring diagram including connection topology for the complete system.
- (iii) Circuit diagram of individual panels, P.A. system and detectors.
- (iv) Constructional details of the various control and indicating panels and mimic diagram(s).

(b) Before commencement of the installation: The above drawings, with observations of the Department duly incorporated, shall be submitted to the Engineer-in-Charge in triplicate along with any special instructions, with regard to handling, storage and installation.

(c) Documents to be furnished on completion of installation: Three sets of the following documents shall be furnished to the department by the contractor on completion of work:-

- (i) Completion drawings as per 1.16.
- (ii) Manufacturer's technical catalogues of all equipments and accessories.
- (iii) Operation and maintenance manual of all major equipments, detailing all adjustments, operation and maintenance procedures.

**3.0 Coordination with other agencies:** The contractor shall coordinate and cooperate with other agencies by exchange of all technical information as required, like details of weight, over all dimensions clearance and other technical data required for successful and proper completion of his portion of the work in relation to the work of others without any reservation. No remuneration should be claimed from the Department for such technical cooperation. Care shall be taken not to damage any structure. If any unreasonable hindrance is caused to other agencies and any completed portion of the works has to be dismantled and redone for want of the cooperation and coordination by the contractor during the course of work, such expenditure incurred will be recovered from the contractor. If the restoration work is not carried out to the satisfaction of the Engineer-in-Charge the same shall be got done at his risk and cost.

**4.0 Care of building:** Care shall be taken while handling and installing the equipment to avoid damage to the building. On completion of the installation, the contractor shall arrange to repair all damages to the building caused during installation so as to bring to the original condition.

**5.0 Painting and protection:** Metal work of all equipment to be supplied (except the detectors) shall be given the final coat of paint over the primer after necessary treatment at the works before dispatch. All damages to painting during transport and installation shall be set right or repainted to the entire satisfaction of the Engineer-in-Charge before handing over.

**6.0 Guarantee:** The contractor shall guarantee the entire FAS/ AFAS installation as per specifications both for components and for system as a whole. All equipments shall be guaranteed for one year from the date of acceptance against unsatisfactory performance or break down due to defective design, manufacture and/or installation. The installation shall be covered by the condition that the whole installation or any part thereof found defective within one year from the date of taking over shall be replaced or repaired by the contractor free of charge to the entire satisfaction of Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk & cost of the contractor.

The warranty shall cover the following:-

- (i) Quality strength and performance of materials used.
- (ii) Safe mechanical and electrical stress on all parts under all specified conditions of Operation.
- (iii) Satisfactory operation during the maintenance period.
- (iv) Performance figures and other particulars as specified by the tenderer under schedule of guaranteed technical particulars.

## **SPECIAL CONDITIONS**

### **1.0 General**

1.1 Except for the items, for which Particular Specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of quantities, the work shall generally be carried out in accordance with the "CPWD Specifications 2019 Vol. I & II" with upto date correction slips and as per instructions of Engineer-in-Charge. Wherever CPWD Specifications are silent, the latest IS Codes / Specifications shall be followed and the rates should be all inclusive.

In the case of discrepancy between the Schedule of Quantities, the Specifications and/ or the Drawings, the following order of preference shall be observed:-

- a. Nomenclature of item as per Schedule of Quantities
  - b. Special Conditions.
  - c. Particular Specifications.
  - d. Drawings and specification mentioned in the tender document.
  - e. CPWD Specifications-2019 (Vol.-1 & 11) with upto date correction slips.
  - f. Indian Standard Specifications
  - g. Manufactures Specifications.
  - h. Sound Engineering Practice as per the decision of Engineer-in-Charge.
- 1.2 Any reference made to any Indian Standard Specifications, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards upto last date of receipt of tenders.
- 1.3 The work shall be executed and measured as per metric dimensions given in the Schedule of Quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
- 1.4 The work should be planned in a systematic manner so that chase cuttings in the walls, ceilings and floors is minimized. Wherever absolutely essential, the chase shall be cut using chase cutting machines. Chases will not be allowed to be cut using hammer / chisel. The electrical boxes should be fixed in walls simultaneously while raising the brick work. The contractor shall ensure proper co-ordination of various disciplines viz. sanitary & water supply, horticulture & electrical etc.

- 1.5 All the hidden items such as conduits, etc. are to be properly tested before covering.
- 1.6 Samples including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work.
- 1.7 The contractor, his agents / representative, workman etc. shall strictly observe orders pertaining to fire precautions prevailing in the area.
- 1.8 Contractor(s) shall study the details of site, nature of work to be executed, site constraints etc and satisfy himself about complete characteristics and other parameters at site. However, no claim on the alleged inadequacy or incorrectness of the data supplied by the department shall be entertained.
- 1.9 Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.
- 1.10 The contractor shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, compound wall, services etc are to be constructed.
- 1.11 The contractor shall provide at his own cost suitable measuring arrangements/instruments as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
- 1.12 All fittings and accessories should conform to byelaws and municipal body / corporation/Electricity board, where CPWD Specifications are not applicable. The contractor should get the materials (fixtures/fittings) tested by the Municipal Body / Corporation authorities/Electricity board authorities wherever required at his own cost.
- 1.13 Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. In case temporary supporting/shifting of such services is required to facilitate the work, the same shall be done by the contractor at no extra cost.
- 1.14 In case the existing services are to be shifted permanently, then before dismantling the existing services, alternate/diversion of service lines has to be laid by the contractor so that there is no interruption in use of existing services. The contractor has to plan the alternate suitable route for diversion/shifting of service lines and get the same approved from the Engineer-in-Charge before starting shifting of services. Nothing extra shall be paid except the payment of dismantling and laying of new service lines as per conditions of contract.
- 1.15 With each Running Bill, the details of test carried out shall be submitted by the contractor as per prescribed proforma.

1.16 On completion of work, the contractor shall submit at his own cost four prints of "as built" drawings to the Engineer-in-Charge. These drawings shall have the following information.

- (a) Electrical wiring layout diagram with position of switches, fittings, cabling etc.
- (b) Run off of all water supply lines with diameters, location of control valves, access panels etc. wherever applicable

1.17 In case the contractor fails to supply "as built drawing" aforesaid within 30 days of the date of completion, then the recovery @ Rs.10,000/- each for such set of drawings shall be made from the contractor's final bill.

2.0 Unless otherwise specified in the schedule of quantities or CPWD specifications, the rates for respective items shall be all inclusive and apply to the following: -

- a) All labour, material, tools and plants and other inputs involved in the execution of the item.
- b) Any of the conditions and specifications mentioned in the tender documents.
- f) Pumping / bailing out surface water / rain water / sub soil water, if necessary for any reason.
- g) Any legal or financial implications resulting out of disposal of waste, if any.
- h) Performance test of the entire installation(s) before the work is finally accepted.
- i) All incidental charges for cartage, storage and safe custody of materials brought to site.

### **3.0 SECRECY**

3.1 The contractor shall take all steps necessary that all persons employed on any work in connection with the contract have notice that the Indian Official Secrets Act 1923 applies to them & will continue so to apply even after the execution of such works under the contract.

3.2 The contract is confidential and must be strictly confirmed to the contractor's own use (except so far as confidential disclosure to sub-contractors or suppliers as necessary) and to the purpose of the contract.

3.3 All documents, copies thereof & extracts there from furnished to the contractor shall be returned to the Engineer-in-Charge on the completion of the work / works or the earlier determination of the contract.

### **4.0 LABOUR AND SECURITY**

4.1 Contractor should provide his plan for deployment of labour and get it approved from the Engineer-in-Charge.

4.2 Contractor has to follow the security requirement of the campus and obtain necessary entry passes for the labour and vehicles and follow security checks at entry / exit gates, restriction on movement of vehicle, restricted timings of working etc. The Department however shall assist the contractor in obtaining such passes for movement of vehicles and



labour. No claim whatsoever shall be entertained on account of delay in entry of vehicles **and labour** including restrictions in working hours, if there is any.

4.3 The contractor shall employ only Indian Nationals after verifying their antecedents and loyalty. The contractor shall, on demand submit list of his agents, employees and work people concerned & shall satisfy as to the bonafides of such people.

4.4 The contractor & his work people shall observe all relevant rules regarding security promulgated in which work is to be carried out by the Controlling Administrative Authority of the campus/area

4.5 The contractor, his representative, workman shall be allowed to enter through specified gates & timing as laid down by the controlling authority. They shall be issued an identity card or an individual pass in accordance with the standing rules & regulations & they should possess the same while working. The contractor shall be responsible for the conduct & actions of his workman, agents / representatives.

## **5.0 TRANSPORTATION AND OFFICE INFRASTRUCTURE:**

5.1 In order to complete the work within the scheduled time if the contractor shall be required to do the work in more than one shift and accepted by the department the contractor will provide vehicular facilities to the BSNL site staff to reach the site and their residence at his own cost for their services required beyond the normal office hours. In case the contractor fails to provide the facilities Engineer-in-Charge shall be at liberty to make the arrangement themselves and deduct the respective cost from the contractor's bills.

## **6.0 PROGRAM CHART: -**

6.1 The Contractor shall prepare an integrated program chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the program within the stipulated period or earlier and submit the same for approval of the Engineer-in-Charge within **15 days** of the issue of letter of acceptance for the contract.

6.2 The work has to be completed in stages as indicated in the **Milestones (Wherever provided)** and the program should be prepared in such a manner to achieve these Milestones as indicated therein or earlier.

6.3 The program chart should include the following: -

- a) Descriptive note explaining sequence of various activities.
- b) Network (PERT / CPM / BAR CHART) which will indicate resources in financial terms, manpower and specialized equipment for every important stage.
- c) Program for procurement of materials by the contractor.
- d) Program of procurement of machinery / equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.

7.4 If at any time, it appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved program referred above, the contractor shall produce a revised program showing the modifications to the approved program by additional inputs to ensure completion of the work within the stipulated time.



7.5 The submission of revised program or approval by the Engineer-in-Charge of such program or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.

Notwithstanding the fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and/or extra amounts for any other reason.

## **8.0 PROGRESS AND MONITORING OF WORK:**

Contractor shall give the Engineer-in-Charge on the 10<sup>th</sup> day of each month, progress report of the work done during the previous month. Such progress report will include the project progress summary, work progress (planned v/s. actual), PERT chart, milestone status, financial progress status, manpower deployment status, important materials consumed, materials at site at the beginning of the month, materials consumed during the month and the balance quantities at the end of month and progress of the work stating the reasons for shortfall, if any including the steps and measures to be taken for making good the shortfall in the succeeding period. Non submission of aforesaid progress report shall make contractor liable for action under breach of contract conditions. In case of delay in submission of progress report, recovery will be done Rs. 5000/- per week from the Running Account bill, where the decision of EE(E) as to do recovery is final.

## **9.0 SAMPLE OF MATERIALS:-**

9.1 All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-in-Charge. Wherever brand / quality of material is not specified in the item of work, the contractor shall submit the samples as per **List of Preferred Makes** for approval of Engineer-in-Charge. For all other items, ISI Marked materials and fittings shall be used with the approval of Engineer-in-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant Specifications or IS codes for the approval of Engineer-in-Charge.

9.2 To avoid delay, contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-in-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

9.3. **BIS** marked materials except otherwise specified shall also be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material procured by the contractor for incorporation in the work satisfies the provisions of specifications relevant to the material and / or the work done.

9.4 For certain items, if tests are neither mentioned in the CPWD Specifications & BIS, then tests shall be carried out as per decision of Engineer-in-Charge.

#### **10.Coordination at site:**

At the site of work, as more than one agency may be working, full cooperation shall be extended to other agencies during progress of work. Further, work shall be carried in such a way so that it may not cause abnormal noise and hindrance to the officers of the department engaged in erection as well as doing normal routine work.

#### **11.Joint Inspection;**

Since the work is to be executed for the third party, A joint inspection report will be made by the BSNL representative and representative of the firm & representative of client/user regarding the functioning of the system, defects and remedial action required in time schedule for the rectification/remedial action. Agency is bound to attend to the defects/discrepancies in timely manner, failing which Engineer in charge is fully empowered to set right the defects with reasonable notice.

**LIST OF APPROVED MAKES**

| SNo. | Item  | Makes  |
|------|---|--|
| 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)<br>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(lcs=lcu)   | 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                                    | ISI mark   |

**Name of work: Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

|    |                                   |   |
|----|-----------------------------------|---|
|    | conductor wire                    |   |
| 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 Glasswool            | 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 etc. shall be by approved make in respect of Transformer/HT Panel/DG Set etc. Units as supplied by approved manufacturer along with their details are also acceptable in addition.
3. Any additional makes may be approved by concerned authority.

**COMPLIANCE STATEMENT**

We..... (name of the firm) state to comply in full manner with all the General, Commercial, Technical, Operating, financial conditions of the Tender Document for the work of **“Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)”** without any reservation and deviation.

For and on behalf of (Name of Firm)

(Seal of the contractor /Company /Firm)

(Signature of contractor/Authorized Signatory)

(Postal address)

Dated.....

**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

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 therefrom 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.



Name of work: **Providing of Electromechanical services, Services connection works and EA set shifting and its auxiliary works at TE Rajakilpakkam(New location)**

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

**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: