

e- TENDER

To be submitted ON-LINE on website : www.tenderwizard.com/BSNLKOL

APPROVED NIT

NIT No.: 17/EEE/BSNL/DMP/NIT/2018

NAME OF WORK: "Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

NIT AMOUNT : Rs. 4,77,605.00

Certified that this NIT contains 59 (Fifty Nine) pages only.

SDE (E)
BSNL Electrical Sub Division
Dimapur

The N.I.T. approved for **Rs. 4,77,605.00 (Rupees Four Lakhs Seventy Seven Thousand Six Hundred and Five only).**

Executive Engineer (E)
BSNL Electrical Division,
Dimapur.

Name of Work: Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

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This tender document contains [58 pages only].

CHECK LIST FOR THE TENDERER

IMPORTANT NOTE: Before on line submitting the tender document, contractor must verify the check list properly.

NAME OF THE VENDOR		Submitted/Uploaded Yes/No
Sl. No	Description	
1	The Firms who fulfill the following requirements shall be eligible to bid	
(i)	Average annual turnover during the last 3 years, ending 31 st March of the previous financial year, should be at least 30% of the estimated cost put to tender.	
	AND	
(ii)	BSNL enlisted contractors in Electrical category of respective class as per their tendering limits.	
	OR	
(iii)	Experience of having successfully completed similar works in Central Government /State Government /Central Autonomous Body/Central Public sector Undertaking during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following :-	
	(i) Three similar successfully completed works costing not less than the amount equal to 40% of the estimated cost put to tender with substation work or LT panel proposed in the NIT.	
	OR	
	(ii) Two similar successfully completed works costing not less than the amount equal to 60% of the estimated cost put to tender with substation work or LT panel proposed in the NIT.	
	OR	
	(iii) One similar successfully completed work costing not less than the amount equal to 80% of the estimated cost put to tender with substation work or LT panel proposed in the NIT.	
	Note:- Copy of Credentials as applicable for proof of eligibility prescribed shall be produced by the firm	
2	The intending bidder has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt /Pay Order/ Banker's Cheque/Bank Guarantee number, amount and date for the following documents:	
	a) Cost of Bid Document: Demand draft amounting to Rs. 590/- (inclusive of GST) drawn in favour of " Accounts officer (Cash), O/o GMTD, BSNL, NAGALAND SSA, DIMAPUR. " payable at DIMAPUR. (Demand Draft only)	
	b) E-Tender Processing Fee - Rs.590/- (Inclusive of GST) shall be paid to M/s ITI Limited through their e-gateway by credit/debit card, internet banking or RTGS/NEFT facility through website www.tenderwizard.com/BSNL On-line payment details:	
	c) EMD - amounting Rs. 9,552.00 in the prescribed form as above. Earnest Money should be in the form of demand draft/TDR/CDR of a nationalized/scheduled bank guaranteed by the Reserve Bank of India, drawn in favour of " Accounts officer (Cash), O/o GMTD, BSNL, NAGALAND SSA, DIMAPUR. " must accompany each tender. The Validity period of EMD is 120 days, from the date of opening of tender.	

3.	Self-attested Copy of PAN card.	
4.	Self-attested Copy of valid GST registration	
5	Self-attested Copy of CA certificate for turnover.	
6	Self-attested copy of EPF Registration certificate .	
7	Self-attested copy of ESI Registration certificate.	
8	Compliance Statement (As per Annexure-I)	
9	Declaration by Contractor (As per Annexure-V)	
10	Duly filled and signed Undertaking and to abide by EW6 and EW 8 (As per Annexure-VI).	
11	The tenderer should give a certificate that none of his/her relative is employed in BSNL units. In case of proprietorship firm, certificate will be given by the proprietor and for partnership firm certificate will be given by all the partners and in respect of a limited company by all the Directors of the company (As per Annexure-VII)	
12	Duly filled and signed undertaking regarding EPF Provisions (As per Annexure-VIII)	
13	Duly filled and signed undertaking regarding ESI Provisions. (As per Annexure-IX)	
	<p>Notes for Submission of Documents:</p> <ol style="list-style-type: none"> 1. The bidder shall have to down load the Tender Documents and again shall upload the documents with Digital Signature before the prescribed date and time. (Ref. Notice Inviting Tenders) 2. The bidder shall submit the Original documents of DD towards cost of Bid documents and EMD in the prescribed form, and Eligibility documents (as per para 17 of NIT) and tender submission format in a sealed envelope mentioning Name of work, date & time of opening of bids along with the name and address of the bidder in the Tender box in the office of Executive Engineer (Electrical), BSNL Electrical Division, DIMAPUR before the prescribed date and time (Ref. Notice Inviting Tenders) 3. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose Cost of Bid Document, Earnest Money Deposit, and Eligibility documents (as per para 17 of NIT) placed in the envelope are found in order. Also the scanned uploaded eligibility conditions of bidders meet the criteria. <p>For any further query regarding tender uploading/downloading Please visit www.tenderwizard.com/BSNLKOL or pl. contact Mrs Saswati Majumder / Siddharth Mob No: 09674758722/ 9674758723, emailIDs: helplinetenderwizard@gmail.com , helpline1tenderwizard@gmail.com</p>	



BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

(Electrical Wing)

Office of Executive Engineer (E)

BSNL Electrical Division,

DIMAPUR

TENDER DOCUMENT

Name of Work: Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

Name of the Agency

Address

Telephone No:

This tender document contains **58 (Fifty Eight)** pages only.

Signature of the Tender issuing Officer

Executive Engineer (E)

BSNL Electrical Division,

Dimapur.

(For and behalf of BSNL)



Bharat Sanchar Nigam Limited
(A Govt. of India Enterprise)
NOTICE INVITING e-TENDER (EW-6)

The Executive Engineer (E), BSNL Electrical Division, Dimapur, invites Item Rate E-Tenders from eligible Firms / Contractors (to be evaluated as per the eligibility criteria specified hereunder) for the following work :-

1.	NIT No.	17/EEE/BSNL/DMP/NIT/2018, 09.10.2018	Date.
2.	Name of Work	"Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA." Part A. Supply Portion Part B. ITC Portion.	
3.	Estimated Cost put to tender	Rs.4,77,605/-	
4.	Earnest Money	Rs.9,552/-	
5.	Cost of Bid Document	Rs. 590/-	
6.	e-Tender Processing Fee	Rs. 590/-	
7.	Period of completion for individual work	3 (Three) Months	
8.	Last date & Time of on line submission of Eligibility documents & Bid documents	Up to 15.00 Hrs. on 30.10.2018	
9.	Last date & Time for submission of Cost of bid document, EMD, Processing Fee and Eligibility documents as per NIT (OFF LINE)	Up to 15.00 Hrs. on 30.10.2018	
10.	Time & date of opening of sealed envelope containing EMD, cost of Bid document Processing Fee and Eligibility documents as per NIT of intending bidders in Division office. (OFF LINE)	At 15.30 Hrs. on 30.10.2018	
11.	Time & Date of Opening of Technical Bid Online only	At 16.00 Hrs. on 30.10.2018	
12.	Time & Date of Opening of Financial Bid Online only	Will be intimated later	

A. ELIGIBILITY CRITERIA

- I. Average annual turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost put to tender.

AND

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

OR

- III. Experience of having successfully completed similar works in Central Government /State Government /Central Autonomous Body/Central Public sector Undertaking during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following :-

- Three similar successfully completed works costing not less than the amount equal to 40% of the estimated cost put to tender with substation work or LT panel proposed in the NIT.

OR

- Two similar successfully completed works costing not less than the amount equal to 60% of the estimated cost put to tender with substation work or LT panel not less than 80% of individual capacity of the substation work or LT panel proposed in the NIT.

OR

- One similar successfully completed work costing not less than the amount equal to 80% of the estimated cost put to tender with substation work or LT panel not less than 80% of individual capacity of the substation work or LT panel proposed in the NIT.

B. Important Notes:

1. Self-Attested Documentary proof of satisfying the eligibility conditions as per 'A' above shall be submitted.
2. The Tenderer should submit valid GST registration Certificate as per GST Law (SGST/CGST/IGST as applicable), CA certificate for turnover, PAN card, EPF Registration certificate and ESI Registration certificate (all documents shall be self-attested.)
3. The intending tenderer shall furnish the cost of Tender document in the form of Demand draft of a Scheduled Bank or Nationalized Bank/ State Bank guaranteed by Reserve Bank of India. The DD for **Rs. 590/-** (Inclusive of GST) which is non-refundable, shall be drawn in favour of "**Accounts officer (Cash), O/o GMTD, BSNL, NAGALAND SSA, Dimapur.**"
4. The intending tenderer shall pay E-Tender Processing Fee - **Rs.590/-**(Inclusive of GST) to M/s ITI Limited through ON-LINE payment facility available at website www.tenderwizard.com/BSNLKOL.
5. Earnest Money amounting to **Rs.9,552.00** in the form of demand draft/FDR/TDR/ CDR of a nationalized/scheduled bank guaranteed by the Reserve Bank of India, drawn in favour of "**Accounts officer (Cash), O/o GMTD, BSNL, NAGALAND SSA, DIMAPUR**" must accompany each tender. The Validity period of EMD is 120 days, from the date of opening of tender.
6. The EMD of all the unsuccessful tenderers shall be released on issue of award letter to the successful tenderer. This shall be done within one week of award letter.
7. Exemption from payment of earnest money and security deposit by any other unit/ department shall not hold good for BSNL.

8. The EMD of the successful tenderer will be returned to the contractor without interest only after submission of performance guarantee and commencement of work. The successful tenderer has to extend the validity of EMD as per BSNL requirements.
9. The Bid documents consisting of the detailed plans, complete specifications, the schedule of quantities of the various classes of works to be done and the set of conditions of contract to be complied with and other necessary documents, can be seen and downloaded from website www.ne2.bsnl.co.in and www.tenderwizard.com/BSNLKOL. However, for quoting the e-Tender visit www.tenderwizard.com/BSNLKOL.
10. The bidding process will be accepted only through e-Tendering platform. As tenders are invited through e-Tendering process, physical copy of the tender document would **not be available for sale**. Contractor can upload documents in the form of JPG format, PDF format and any other format as permissible by the e- tendering portal.
11. General conditions of contract for works in BHARAT SANCHAR NIGAM LIMITED (BSNL EW-8) are available on BSNL website http://electrical.bsnl.co.in/BSNL_EW-8.pdf as well as in the Division Office.
12. For e-Tendering, BSNL has engaged e-portal maintained by M/S ITI, New Delhi. The agency intending to participate in tendering process shall have to register with <http://www.Tenderwizard.com/BSNLKOL>, New Delhi. For details kindly visit website <http://www.tenderwizard.com/BSNLKOL> or contact for Local assistance **Mr Devraj Saha/ Siddharth Mob No: 09674758721/ 9674758723, email IDs: helpline3tenderwizard@gmail.com**
13. The intending bidders must have **Class-III** digital signature to submit the bid.
14. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheet.
15. Contractor can upload documents in the form of JPG format, PDF format and any other format as permissible by the e- tendering portal.
16. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in yellow colour and moment rate is entered, it turns green. 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}.
17. The Bid can only be submitted after uploading the following scanned documents (all documents shall be self-attested)-
 - a. Documentary proof of satisfying eligibility conditions. (As per A of eligibility criteria.)
 - b. Copy of PAN card, valid GST registration, CA certificate for turnover, EPF Registration certificate, ESI registration Certificate.
 - c. Demand Draft of cost of tender documents.
 - d. EMD in prescribed form.
 - e. Compliance Statement (Annexure-I), Declaration by Contractor (Annexure-V), Undertaking to abide by EW 6 and EW 8 (Annexure-VI), Non Relative Certificate (Annexure-VII), Undertaking regarding EPF Provisions (Annexure-VIII), undertaking regarding ESI Provisions (Annexure-IX),
 - f. Tender submission format.
18. The agency shall submit Self-declaration that the agency is not black listed by GST authorities
19. The contractor shall submit the DD for cost of Bid documents, EMD in the prescribed form, and

- Eligibility documents as mentioned in para 17 above in a sealed envelope with mention of Name of work, date & time of opening of bids in a sealed bid box provided in the office of **Executive Engineer (Electrical), BSNL Electrical Division, DIMAPUR up to 15:00Hrs on 30.10.2018** and shall be opened on the same day at **15:30 Hrs.** in presence of AO, SDE [E] and contractors present.
20. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose Cost of Bid Document, Earnest Money Deposit and Eligibility documents as per NIT placed in the envelope are found in order. Also the scanned uploaded eligibility conditions of bidders meet the criteria.
 21. After submission of the bid online the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
 22. While submitting the revised bid, contractor 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 bid as notified.
 23. The bid submitted shall become invalid and cost of bid & e-tender processing fees shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload all the documents as per para-17 above.
 - (iii) In case any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.
 24. Before e-tendering, the contractor shall inspect the site and fully acquaint himself about the condition with regard to accessibility of site and site nature and the extend of grounds, working condition, including stocking of materials, installation of T&P etc., and conditions affecting accommodation and movement of labour etc., required for the satisfactory execution of the contract. No claim whatsoever on such account shall be entertained by the BSNL in any circumstances.
 25. Agreement shall be drawn with the successful Tenderer on prescribed Form No. **BSNL EW-6/8**, which is available on BSNL website http://electrical.bsnl.co.in/BSNL_EW-8.pdf or <http://www.Tenderwizard.com/BSNLKOL> Tenderer shall quote his rates as per various terms and conditions of the said form.
 26. The time allowed for carrying out the work will be as mentioned above.
 27. In case the eligibility credentials are found to be fake or falsified at any stage i.e. before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in BSNL for three years including any other action under the contract or existing law.
 28. **Performance Guarantee (PG):** -The Firm shall have to furnish Performance guarantee @ 5% of the contract value within two weeks of the date of issue of award letter in the form of Bank guarantee on a Nationalized/Scheduled bank in standard format (Annexure-II)/ CDR/ FDR/ DD. This period can be further extended by the Engineer-in-Charge up to a maximum period of **2(two) weeks** on written request of contractor.

This performance guarantee shall be submitted to the Electrical Division in the name of concerned Accounts officer of the SSA where work is to be executed and shall be valid for 12months from the date of actual completion of individual work.

29. **Security Deposit:**

A sum @ **10%** of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum will amount to security deposit of 10% (i/c **5% PBG**) of the Tendered value of the agreement. This Security Deposit shall be released after an observation period of **12 months** after the date of completion of work.

30. The acceptance of a tender will rest with the **Superintending Engineer (E), BSNL, Electrical**

- Circle, Shillong** who does not bind himself to accept the lowest tender or any other tender and reserves to himself the Authority to reject lowest or all the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.
31. Canvassing in connection with tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
 32. The BSNL reserves itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted.
 33. The tenderer should give a certificate that none of his/her relative is employed in BSNL units. In case of proprietorship firm, certificate will be given by the proprietor and for partnership firm certificate will be given by all the partners and in respect of a limited company by all the Directors of the company.
 34. 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:
 - (a) Members of a Hindu Undivided family.
 - (b) They are husband and wife.
 - (c) 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).
 35. 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 tenderer 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. The format of the certificate to be given is enclosed (Annexure-VII).
 36. 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 contractor 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 contractors' service.
 37. The tender for the works shall not be witnessed by the contractor or a contractor who himself/themselves has/ have tendered or who may and has/have tender for the same work. Failure to observe this condition would render tenders of the contractors tendering as witnessing the tender is/are liable for summarily rejection.
 38. It will be obligatory on the part of the tenderer to sign each page of the Schedule of work and the tender documents for all the component parts and after the work is awarded he will have to enter into a separate agreement with the officer concerned.
 39. Any tender not submitted in proper manner or not as per the directions of ONLINE submission, BSNL will be at liberty to take such action as it may deem fit without any reference to the tenderer.
 40. The tenders for the work shall remain open for acceptance for a period of **90 days** from the date of opening of the tenders. If any tenderer withdraws his tender before the said period or makes any modification in the terms and conditions of the tender which is not acceptable to the BSNL shall, without prejudice to any other right of remedy be at liberty to forfeit 50% (fifty percent only) of the said earnest money absolutely.

41. **Extension of tender validity:** In case, where the letter of award of work cannot be placed within the validity period of the tender, the BSNL can request all tenderers 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.
42. The contractor should read the tender documents carefully before submitting the tender. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
43. This Notice Inviting Tender shall form part of the Contract document. The successful tenderer/contractor 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 forms the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard BSNL EW-8 form.
44. **EPF PROVISIONS:** The agency has to comply with the provision 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 consequences arising due to non-complying of provisions as specified above shall be of the sole responsibility of the firm only. The agency shall give an undertaking to this effect as per the prescribed proforma (Annexure - VIII).
45. The site for the work shall be made available in parts.
46. If any terms and conditions mentioned in this NIT document are in contravention to BSNL EW6/EW 8 General Conditions of Contract, the terms and conditions mentioned in this document shall prevail.

Executive Engineer (E)
For and on behalf of BSNL

No. 14/ EEE/BSNL/DMP/NIT/2018-19/C03-220

Date: 09/10/2018

Copy to: -

1. The Sr. Chief Engineer (E), BSNL Electrical Assam/NE Zone, Guwahati.
2. The General Manager, O/o the GMTD, Nagaland SSA.
3. The Superintending Engineer, BSNL Electrical Circle, Shillong.
4. The Vigilance Officer, O/o the CGMT, NE-II Circle, Dimapur
5. The Executive Engineer (Elect.), BSNL Electrical Division, Guwahati/Agartala/Shillong
6. The Accounts Officer (E), BSNL Electrical Division, Dimapur
7. The AGM (IT), O/o The CGMT, NE-II Circle, Dimapur along with soft copy containing details of NIT for uploading in the website www.ne2.bsnl.co.in for wider publication.
8. The Sub Divisional Engineer (E), BSNL Electrical Sub Division-I/II Dimapur/Imphal/Itanagar.
9. Notice Board.
10. All Eligible contractors.

Executive Engineer (E)
BSNL Electrical Division
Dimapur



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

PRESS NOTICE [e-TENDER]

The Executive Engineer (E), BSNL Electrical Division, OC'05, 2nd Floor, GMTD Building, Super Market, Dimapur-797112 invites **ONLINE BIDS** on behalf of the Bharat Sanchar Nigam Limited for the work of Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

For further details visit:

www.ne2.bsnl.co.in & www.tenderwizard.com/BSNLKOL

For quoting the e-Tender visit **www.tenderwizard.com/BSNLKOL**

Executive Engineer (E)

INFORMATION FOR BIDDERS (e-TENDER)

1. For e-Tender hosting purpose, BSNL has engaged e-portal maintained by M/s ITI Ltd. The agency intending to participate in tendering process shall have to register with <https://www.tenderwizard.com/BSNLKOL>
2. Those Contractors not registered on the website mentioned above, are required to get registered beforehand. The intending bidder can get registered with ITI Ltd. by making online payment of required amount with registration particulars. For details kindly visit website <https://www.tenderwizard.com/BSNLKOL> or contact Executive Engineer.
3. The intending bidder must have valid **Class-III digital signature** to submit the bid.
4. The intending bidder should read carefully and understand the tender document, procedure for e- tendering etc. completely before participating in the e-tender procedure. Participation in the e-tendering, presumes that the bidder (s) has/have read all the conditions, Special Conditions of the contract, Schedule of quantity etc. and agree/abide by them. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
5. The bid document consisting of BSNL EW 6, Specifications, Schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be compiled with and other necessary documents can be seen and downloaded from www.tenderwizard.com/BSNLKOL or www.ne2.bsnl.co.in free of cost.
6. The bid can only be submitted after uploading the mandatory scanned documents as per NIT
7. Information and instructions for bidders posted on website shall form part of bid document.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format or PDF format.
10. Certificate of Financial Turnover: At the time of submission of bid, contractor may upload Affidavit/ Certificate from Chartered Accountant mentioning Financial Turnover of last 3 years or for the period as specified in the bid document`. There is no need to upload entire voluminous balance sheet.
11. Contractor must ensure to quote rate of each item. If any cell is left blank the same shall be treated as "0" (ZERO).
12. The intending bidder should see all the conditions of contract uploaded in the website including Corrigendum if any, till the last date of submission of bid.
13. BSNL reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

E-Tendering Instructions to Tenderers

General

Submission of Tender through online process is mandatory for this e-Tender.

E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. For conducting electronic tendering, BSNL Electrical Zone has decided to use the portal <https://www.tenderwizard.com/BSNLKOL> through M/s ITI, a Government of India Undertaking. It supports all activities of tendering based on proactive work flow concept. Fine details of tendering like vendors registration, tender announcement and corrigendum, tender form processing, opening, negotiation and tender awarding are supported in a real time interactive environment.

1. Tender Bidding Methodology:

Electronically Sealed Bid System –“Single Stage - Two Envelopes Electronic bid system”. In this case of two electronically sealed envelopes bid system, the Eligibility documents as per NIT [Envelope-I] & Tender Document [Envelope-II] shall be submitted by the bidder at the same time.

2. Broad outline of activities from Bidders prospective:

- a) Procure a Digital Signing Certificate (DSC).
- b) Register on Tender Wizard site of M/s ITI (e-Tender)
- c) Create Users and assign roles on e-Tender
- d) View Notice Inviting Tender (NIT) on e-Tender
- e) Download Official Copy of Tender Documents from e-Tender
- f) Clarification to Tender Documents on e-Tender
- g) Query to BSNL (Optional)
- h) View response to queries posted by BSNL, as addenda.
- i) Bid-Submission on e-Tender
- j) Attend Public Online Tender Opening Event (TOE) on e-Tender Opening.
- k) View/Post-TOE Clarification posted by BSNL on e-Tender (Optional)- Respond to BSNL's Post-TOE queries.

For participating in this tender online, the following instructions need to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the e-Tender.

3. Digital Certificates:

For integrity of data and its authenticity/ non-repudiation of electronic records, and be compliant with IT Act 2200, it is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate (DSC), of **Class III**, issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].

(i) Registration:

To use the Electronic portal (<https://www.tenderwizard.com>), vendor needs to register on the portal (if not registered earlier). Registration of each organization is to be done by one of its senior persons who will be the main person coordinating for the e-tendering activities. In e-TENDER terminology, this person will be referred to as the Super User (SU) of that organization. For further details, please visit the website/portal (<https://www.tenderwizard.com>), and click on the "Supplier Organization" link under "Registration" (on the Home Page), and follow further instructions as given on the site.

4. Bid related Information for this Tender (Sealed Bid)

The entire bid-submission would be online on e-TENDER. Broad outline of submissions are as follows:

- (a) Submission of Cost of bid document, Earnest Money Deposit (EMD), Processing Fee and Eligibility documents (as per para 17 of NIT) (Envelope-I)
- (b) Submission of digitally signed copy of Tender Documents/Addendum/addenda (Envelope-II)

5. Offline Submissions:

The contractor shall submit the DD for cost of Bid documents, EMD in the prescribed form, and Eligibility documents as per NIT in a sealed envelope mentioning Name of work, date & time of opening of bids in the tender box available in the office of **Executive Engineer (Electrical), BSNL Electrical Division, DIMAPUR** before the prescribed date & time as notified and same shall be opened in presence of AO, SDE [E-P] (or any other authorized BSNL Executive) and contractors present (Ref EW6).

6. Public Online Tender Opening Event (TOE):

E-Tender offers a unique facility for "Public Online Tender Opening Event (TOE)". Tender Opening Officers as well as authorized representatives of bidders can attend the Public Online Tender Opening Event (TOE) from the comfort of their offices. For this purpose, representatives of bidders (i.e. Supplier organization) duly authorized are requested to carry a Laptop and Wireless Connectivity to Internet.

The following **KEY INSTRUCTIONS** for BIDDERS must be assiduously adhered to:

- (i) Obtain individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline on M/s ITI E-tender Site or any Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA).
- (ii) Register your organization on M/s ITI e-tender site well in advance of your first tender submission deadline on M/s ITI e-tender Site (<http://tenderwizard.com/BSNL>)
- (iii) Get your organization's concerned executives trained on M/s ITI e-tender Site well in advance of your first tender submission deadline on M/s ITI e-tender Site
- (iv) Submit your tender well in advance of tender submission deadline on M/s ITI e-tender site as there could be last minute problems due to internet timeout, breakdown, etc. While the first three instructions mentioned above are especially relevant to first-time users of M/s ITI e-tender Site, the fourth instruction is relevant at all times.
- (v) Vendors are requested to contact ITI Officers for any information regarding e-tendering / training. Contact Details of M/s ITI Ltd officers is as given below:

Please visit www.tenderwizard.com/BSNLKOL or pl. contact Mr Devraj Saha/ Siddharth Mob No: 09674758721/ 9674758723, emailIDs: helpline3tenderwizard@gmail.com

TENDER SUBMISSION FORMAT (For e-Tender)

Important Note: Before submitting on line tender document, contractor must verify the check list properly for offline submission of required documents & uploading of their scanned copies as per instructions.

To,
The Executive Engineer (E),
BSNL Electrical Division,
DIMAPUR.

Subject: Submission of e-Tender for the work of Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

As per tender publication advertised by your office and display of Notice Inviting Tender on web site www.ne2.bsnl.co.in and www.tenderwizard.com/BSNLKOL. We are hereby submitting the following documents duly self-attested.

Sl. No.	DOCUMENTS	DETAILS
1	Tender due on	
2	Tender Cost.	
a.	Demand Draft No.	
b.	Date	
c.	Amount (Rs. 590/-)	
d.	Name of Bank and Branch	
e.	In favor of	Accounts officer (Cash), O/o GMTD, BSNL, NAGALAND SSA, Dimapur.
3.	Earnest Money Deposit	
a.	DD / FDR / CDR /BG No.	
b.	Date	
c.	Amount (Rs. 9,552.00)	
d.	Name of Bank and Branch	
e.	In favor of	Accounts officer (Cash), O/o GMTD, BSNL, NAGALAND SSA, Dimapur.
4.	Details of firm / Company	
a.	Name of firm / Company (mandatory)	
b.	Name of Proprietor / Partner / Managing Director	
c.	Address	
d.	Pin Code	

e.	Telephone	
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f.	E- mail address (MANDATORY)	
g.	Address of Branch / Head Office Name	
5.	Income Tax returns / Chartered Accountant Certificate Date	
6.	GST Registration No. & Date	
7.	EPF Registration No.	
8.	ESI Registration No.	
9.	Bank details of agency for RTGS/online payment	
a.	Bank Account No:-	
b.	Bank Name & Branch:-	
c.	IFSC code:-	

10. Lists of 3 works carried out satisfactorily (Certified Officer not below the rank of Executive Engineer).

(To be issued by the user on his printed letterhead to the tenderer)

This is to certify that the work has been completed satisfactorily as per details given in tender document / P.O.

Sl. No.	Name of Work	Date of start	Date of Completion	Amount of work Done	Department and P.O. / Agreement No.
1.					
2.					
3.					

11. Annual Turn over

(To be issued by Chartered Accountant on his letter head indicating following)

Sl. No.	Year	Annual turn over
1.		Rs.
2.		Rs.
3.		Rs.

I, _____ proprietor/ duly authorized representative of M/s. _____ hereby certify that the information given above is true to the best of my knowledge and belief. I have been duly authorized to sign and certify the documents. I understand that any wrong information/suppression of facts will disqualify us from being considered for the tender participation.

Place

Yours sincerely

(Signature)

(Name in block letter)

Date

Seal of firm

BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

Tender for the Work of: Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

Name of Contractor / Firm:

UNDERTAKING

1. I/we have read and examined the Notice inviting tender, Important note for the contractors, Schedule of quantity, Data sheet, Specifications applicable drawings & designs, conditions of contract and all other contents in the tender document for the work.
2. I/we have read and examined the General Rules and Directions & Clauses of EW-8.
 - (i) The name of work, time allowed for work, estimated cost, tender cost, mode & amount of EMD etc wherever appearing in EW-6/8 shall be as per the notice inviting tender available on the web-site.
 - (ii) In condition no. 40 of the EW - 6, the amount of EMD which can be forfeited is 50 %.
3. I/We hereby tender for the execution of the work specified for BSNL within the time specified, as per 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.
4. 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.
5. A sum of **Rs. 9,552.00** is hereby forwarded in the form of CDR/FDR/DD/TDR as earnest money. If I/We, fail to commence the work specified I/We agree that the said BSNL or his successors in office 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.
6. 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, as per condition no. 4 of "Important note for the contractors."
7. I / We agree that the said EW-6/8 shall be made a part of the contract while entering into the agreement. (CAN BE DOWNLOADED at http://electrical.bsnl.co.in/BSNL_EW-8.pdf)
8. 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 letter of Acceptance. I / We agree to keep the Performance Bank Guarantee validity as per relevant clause of Notice Inviting Tenders.

9. 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.

(Seal of the contractor)

(Signature of contractor)
(Postal address)

Dated _____

A C C E P T A N C E

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)

c)

For & on behalf of **BSNL**

Signature

GENERAL RULES AND DIRECTIONS

1. All works proposed for execution by contractor will be notified in a form of invitation to tender displayed on Notice Board in select BSNL offices and signed by the officer inviting tender or by publication in Newspapers/internet (designated web page) as the case may be.
2. This form will state the work to be carried out, as well as the date of submitting and opening tenders and the time allowed for carrying out the work; also the amount of earnest money to be deposited with the tender, and the amount of performance guarantee to be deposited by the successful tenderer(s). Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the Officer inviting tender shall also be open for inspection by the contractor at the office of Officer inviting tender during office hours.
3. In the event of the tender being submitted by a firm it must be signed by the authorized signatory.
4. Receipts for payments made on account of work when executed by a firm, must also be signed by authorized signatory.
5. Any person who submits a tender shall fill up online tender at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any conditional rebates will be summarily rejected. However, tenders with unconditional rebate will be acceptable. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tenders shall have the name and number of the works to which they refer written on the envelopes. The rates(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.
6. The Officer inviting tender or his duly authorized assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a Comparative Statement in a suitable form. In the event of a tender being accepted a receipt for the earnest money forwarded therewith shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule 1. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tender shall thereupon be returned to the contractor remitting the same without any interest.
7. The officer approving tenders shall have the right of rejecting all or any of the tenders, and, will not be bound to accept the lowest or any other tender.
8. The memorandum of work tendered for and the schedule of materials to be supplied by BSNL shall be filled and completed in the office of the Officer inviting tender before the tender form is issued.
9. The tenderer shall sign a declaration under the officials Secret Act' 1923 for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
10. All rates shall be quoted on the tender form only.
11. Procedure for dealing with ambiguities in rates: if on check there are differences between the rates given by the contractor in words and in figures or in amount worked out by him, the

following procedure shall be followed:-

In e-tendering the intending bidder can quote his rates in figures only. The rates in words, amount of each item and total is generated automatically. Therefore the rate quoted by the bidder in figures is to be taken as correct.

12. The tender for the work shall not be witnessed by a contractor or contractors who himself/ themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.
13. Other agencies will also simultaneously execute the works like horticulture, external services, installation of telephone exchange equipment and other building works for the same project along with this work in particular. The contractor shall afford necessary facilities for the same. No claim in the matter shall be entertained.
14. Some restrictions may be imposed by the security staff etc on the working and/or movement of labour, material etc. The contractor shall be bound to follow all such restrictions/ instructions and nothing extra shall be payable on this account.
15. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Engineer-in-charge may in his discretion without prejudice to any other right or remedy available in law cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.
16. Agency has to observe all labour rules and regulations in force. Agency shall be fully responsible for any violation observed at any time.
17. Bye laws Indemnity against liabilities
 - The contractor shall comply with all by laws 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.
 - The contractor 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. The contractor 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 contractor.
 - All liabilities / penal recoveries on matters arising out of tax/~~excise~~/levies such as incorrect deductions discrepancies in the filing of returns, revised assessments by the concerned authorities etc, shall be borne by the contractor.
18. 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.

PROFORMA OF SCHEDULES

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

SCHEDULE 'A'

Schedule of quantities: Enclosed

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

Sl. No.	Description of item	Quantity	Rates in figures and words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
NIL				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

Sl. No.	Description of item	Hire charges per day	Place of Issue
1	2	3	4
NIL			

SCHEDULE 'D'

Extra schedule for specific requirements/ document for the work, if any.

I. Important Note for Contractors: Appended from page 26-30.

<u>SCHEDULE 'E'</u> Reference to General Conditions of contract.	BSNL EW-8 Amended up to date(The taxes mentioned in the EW-8 may read in conjunction with GST act 2017)
Name of work:	Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA." Part A. Supply Portion Part B. ITC Portion.
Estimated cost of work:	Rs. 4,77,605.00
i) Earnest money :	Rs. 9,552.00
ii) Performance Guarantee :	5% of tendered value of work.
iii) Security Deposit :	5 % of the tendered value of the work.
<u>SCHEDULE 'F'</u>	
GENERAL RULES and DIRECTIONS:	Officer inviting tender: EE (E), BSNL Electrical Division, Dimapur
Definitions:	See below
2(v) Engineer-in-Charge	Concerned Executive Engineer (E), BSNL Electrical Division, Dimapur.
2(vi) Accepting Authority	Superintending Engineer (E), BSNL Electrical Circle, Shillong.
2(x) Percentage on cost of materials and labour to cover all overheads and profits.	10%
Clause 1 i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days ii) Maximum allowable extension beyond the period provided in i) above in days	15 days 15 days
Clause 2 Authority for fixing compensation under Clause 2.	SE (E)
Clause 5 Number of days from the date of issue of	10 days

letter of acceptance for reckoning date of start Milestone(s) as per table given below :-			
Table of Mile Stone(s)			
Sl. No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone
1	NA		
2			
OR			
Sl. No.	Financial Progress	Time allowed (from date of start)	Amount to be with-held in case of non-achievement of milestone
1	1/8 th (of whole work)	1/8 th (of whole work)	NA
2	3/8 th (of whole work)	1/2 (of whole work)	
3	3/4 th (of whole work)	3/4 th (of whole work)	
4	Full	Full	
Time allowed for execution of work. Authority to give fair and reasonable extension of time for completion of work.			3 (Three) Months SE(E)
Clause 7 Gross work to be done together with net payment/ adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.			As Applicable.
Clause 10CC Clause 10CC to be applicable in contracts			NA
Clause 11 Specifications to be followed for execution of work			Specifications as appended with Schedule of work.
Clause 12 12. 2 & 12.3 Deviation Limit beyond which clauses 12.2 and 12.3 shall apply			50%
Clause 16 Competent Authority for deciding reduced rates.			Superintending Engineer (E)

Clause 30	
Minimum Qualifications and experience required for Principal Technical Representative.	
i) Work with estimated cost put to tender more than Rs.2 lakhs but less than Rs.5 lakhs	Recognized diploma holder
ii) Work with estimated cost put to tender more than Rs. 5 lakh	Graduate or recognized diploma holder with three years
c) Discipline to which the Principal Technical Representative should belong.	Elect./ Mech
d) Minimum experience of works	Three (3) years.
e) Recovery to be effected from the contractor in the event of not fulfilling provision of clause 30.2 & 30.5	Rs. 4,000/- p.m. for works costing above 5 lakhs. Rs. 2,000/- p.m. for works costing between 2 lakhs and 5 lakhs.

IMPORTANT NOTE FOR CONTRACTORS

The firm shall read carefully the following conditions and shall quote accordingly confirming all the points in their offer.

1. EARNEST MONEY

Firm has option to deposit Earnest Money in the form of CDR / FDR / DD/TDR of a scheduled Bank or Nationalized Bank / State Bank guaranteed by Reserve Bank of India . If the firm fails to start or withdraws from agreement, then as per relevant clause of the agreement, EMD @ 2% of the amount of agreement shall be forfeited from EMD available with the agreement or from any money due to the firm by the department under this contract or on any other account. Validity period of earnest money deposit shall be 30 days beyond the tender validity.

- (i) The EMD of all the unsuccessful tenders shall be released on issue of award letter to the successful tender.
- (ii) The EMD of the successful tenderer will be returned to the contractor without interest only after submission of performance guarantee and commencement of work. The successful tenderer has to extend the validity of EMD as per BSNL requirements..

2. BID PRICES, TAXES AND DUTIES

The bidder shall give the total composite price inclusive of all Central and State's Levies & Taxes i.e. **GST** (Applicable CGST/SGST/IGST) on material, labour etc. except Octroi / Entry Taxes. Octroi / Entry Taxes will be paid extra, as per actuals, wherever applicable on production of proof of payment / relevant invoices / documents.

The price approved by BSNL for procurement will be inclusive of levies and taxes, Packing, Forwarding, Freight and Insurance etc. except Octroi / Entry Taxes.

(a)The total composite price shall comprise of unit price and all other components of price need to be individually indicated / quoted against the goods / material / service, it proposes to supply under the contract in the following manner :

- (i) The Basic Unit price (Ex-Factory Price) of the goods / services / materials, **GST (CGST, SGST, IGST)** payable by the supplier shall be quoted separately.
- (ii) The liability to pay all taxes, levies etc. shall be of contractor and BSNL will not entertain any claim whatsoever in this respect.

(b)Input Tax credit to BSNL :

- (i) The firm shall furnish correct HSN /SAC codes in GST challans/invoices for availing Input Tax credit by BSNL
- (ii) Vendors should furnish the correct taxes and cess under GST tariff head in the price Schedule. If the input tax credit for the Duties and Taxes under GST ACT 2017/Rules is found to be not admissible at any stage subsequently owing to wrong furnishing of tariff Head, then the vendors will be liable to refund such non-admissible amount, if already paid along with penalty if charged by the concerned authority.
- (iii)In case where the input tax credit is not offered by the vendor as per the quotes indicated in the price schedules and subsequently at any stage it is found that input tax credit is admissible as per GST ACT 2017/Rules then the vendors will be liable to refund the amount equivalent to such Duties & Taxes if already paid to them. However the purchaser may allow the supplier to submit necessary documents in this regard which may enable the purchaser to avail the input tax credit provided such credit is still available for the amount so paid as per GST ACT 2017.

-
- (iv) BSNL reserves the right to ask the bidders to submit documentary proof confirming the correct Tariff Head from the GST authority wherever the tariff head furnished against the particular tendered item by different bidders differs from each other or the same is found apparently not furnished in accordance with GST ACT.
- (v) If the supplier fails to furnish necessary supporting documents for input tax credit the amount pertaining to such duties/taxes will be deducted from the payment due to the firm.
- (vi) If the vendor/supplier fails to perform necessary compliances which would in any manner restrict BSNL to claim input tax credit, then the amount pertaining to such Duties, Taxes and Cesses will be deducted from the payment due to the vendor /supplier.
- (vii) If the Vendor / supplier does not disclose the correct details on the invoice or on the GSTN viz GSTIN, Place of supply etc. which restricts BSNL to claim input tax credit , then the amount pertaining to such Duties , Taxes and Cesses will be deducted from the payment due to Vendor/suppliers.
- (viii) Invoice should clearly indicate name, address and GSTIN of the supplier, date, name address and GSTIN of the recipient, Place of supply along with name of state, HSN code of Goods or Service Accounting code (SAC), breakup details of composite price i.e. basic unit price (Ex-Factory price) of the goods/services/materials, etc. rate of GST such as CGST / SGST/UTGSU or IGST or any other duties and taxes.
- (ix) In case of any statutory variation in regard to Input tax credits, within the currency of individual agreement including extension of time period, the same shall be admissible as per actual Input tax credits only, subject to the condition that the reason for such extension of time period is not attributable to the agency.
- (x) BSNL can adjust/forfeit Bank Guarantee obtained from the vendor/supplier against any loss of input tax credit to BSNL on account of vendor's/ supplier's default.
- (xi) **Tax indemnity clause:** BSNL has the right to recover Input Tax Credit loss suffered by it due to any mis-declaration on invoices by the supplier.

3. EVALUATION OF BIDS

The evaluation and comparison of responsive bids shall be done on the basis of **Net cost to BSNL** on the prices of all items included in schedule of work offered inclusive of packing, forwarding, freight and insurance charges but excluding Input tax credit/GST. The Octroi/Entry Taxes are not to be included in the composite price and hence the same will not be considered for the purpose of evaluation and comparison of responsive bids. However, Octroi/ Entry Taxes will be paid extra, as per actual, wherever applicable, on production of proof of payment / relevant invoices / documents.

4. INCREASE/DECREASE OF TENDER QUANTITY:

BSNL will have the right to increase / decrease up to 50% of the quantity of goods and services specified in the schedule of items without any change in the unit price or other terms and conditions at the time of award of contract. In exceptional and unavoidable cases BSNL can increase the quantity of goods and services beyond 50% of the tendered quantity without any change in tendered and accepted unit price and also other terms and conditions as applicable at the time of award of contract.

5. SIGNING OF CONTRACT:

The successful tenderer /contractor, on acceptance of his tender by the Accepting Authority,

shall sign the contract within 15 days consisting of the notice inviting tender, all documents including drawings, if any, forming the tender as issued at the time of invitation of tender & acceptance thereof together with any correspondence leading thereto.

6. CURTAILMENT OF QUANTITY:

BSNL reserves the right to enforce curtailment in the assigned quantum of work for any contractor on the grounds of defaults/delay in regard to execution of the individual work assigned.

7. VARIATION IN GST:

In case of any statutory variation in regard to Input tax credit, within the currency of individual agreement including extension of time period, the same shall be admissible as per actual Input tax credit only, subject to the condition that the reason for such extension of time period is not attributable to the agency.

8. (a) Tendered rates are inclusive of taxes and levies payable. However, pursuant to the Constitution (Forty Sixth amendment) Act 1982, if any further tax or levy is imposed by statute after the date of receipt of tenders and the contractor(s) thereupon necessarily and properly pays taxes or levies the contractor(s) shall be reimbursed the amount so paid provided such payment if any is not in the opinion of S.E (whose decision shall be final and binding) attributable to delay in execution of work within the control of the contractor(s).

(b) The contractor(s) shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of Government and shall furnish such other information's /documents as the Engineer-in-Charge may require.

(c) The contractor(s) shall within a period of 30 days of imposition of any further tax or levy pursuant to the Constitution (Forty Sixth amendments) 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.

9. PERFORMANCE BANK GUARANTEE :-

The contractor is required to furnish performance guarantee for an amount equal to 5% of the contract value in the form of bank guarantee (of a nationalized / scheduled bank in a standard format (Annexure-II) /CDR/FDR/DD/TDR within two weeks from the date of issue of the award letter. The validity period of the performance security in the form of performance bank guarantee shall be One year from the actual date of completion of work.

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 will amount to security deposit of 10% (i/c 5% PBG) of the Tendered value of the agreement. This Security Deposit shall be released after an observation period of 12 months after the date of completion of work.

10. PAYMENT TERMS:-

Payment to the contractors during progress of work is regulated as below:

(a) BSNL will make payment to the agency only after the invoice is uploaded by agency in the GST outward returns it means in GSTR-1 and credit of GST is available (reflected in GSTR-2A) to BSNL.

(b) No payment will be made for goods rejected at the site on testing. Payment, if made for such items shall be recovered from subsequent bills or other bills.

- (c) If the supplier fails to furnish necessary supporting documents i.e. GST Invoice/Customs Invoices etc. and also fails to upload the information on GSTN in respect of the Duties/Taxes for which input tax credit is available, the amount pertaining to such Duties/Taxes will be deducted from the payment due to the supplier.
- (d) Tax amount will be paid to the supplier only after supplier declares the details of the invoices in its return in in GSTR 1 and GSTR-3 uploaded by the supplier and the same is reflected in GSTR-2A of BSNL on GSTN portal.
- (e) TDS/TCS shall be deducted at the prescribed rate, if any (as the case may be).

11. PROGRAMME FOR EXECUTION: -

The firm shall execute the work as per detailed programme as mentioned in table of mile stones in schedule of proforma. Tentative dates etc. shall be also submitted.

12. STORES AND SAFETY:-

The contractor from his own sources shall arrange all the stores and materials required for the satisfactory completion of the work at work site. Lockable space for storing the materials may be provided on request from the contractor. However, safe custody of material stored at site will be the responsibility of the contractor.

13. PACKING, FORWARDING AND STORING AT SITE:

Before dispatch to site, the equipment / components / materials shall be properly packed with polythene sheet and wooden planks for protection and avoiding transit damages and damage against storage in open area at transporters premises or at work site

14. COORDINATION AT SITE:

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

15. GUARANTEE AND DEFECT LIABILITY:

- (i) The guarantee shall be valid for 12(Twelve) months after completion of work. The contractor shall guarantee that all components shall be free from any defect and also the components shall work satisfactorily with performance and efficiencies not less than the guaranteed values. The security deposit will be released only after the guarantee period.

In case of Split AC unit The manufacturer shall give a guarantee for the soundness of construction and performance of the air conditioner and shall be responsible for putting right any manufacturing defects free of charge for a period of **15 months** from the date of supply or **12 months** from the date of installation of air conditioner, whichever is earlier.

- (ii) Any component found defective during this period shall be replaced free of cost by the contractor. The service of the contractor's personnel, if required during this period shall be made available free of cost to the BSNL.
- (iii) A joint report shall be prepared by the representative of BSNL and the firm regarding nature of defects and remedial action required. Time schedule for such action shall also be finalized.
- (iv) In case the contractor fails to depute his representative within **36 hours** of notification of the defect or fails to cause remedial measure within reasonable time as decided during joint inspection, the BSNL may proceed to do so at the contractor's risk and expenses and without prejudice to any other right

16. NOT COVERED UNDER GURANTEE:-

1. Consequential losses and damages.
2. Parts subject to normal wear and tear such as electrical contacts.
3. Failure of parts due to corrosive atmosphere.

-
17. **DATE OF COMPLETION:** - Date of Successful Installation, completion of Testing and commissioning shall be taken as completion date of the work.
 18. The list of approved make of various items is as per Annexure -IV.
 19. **THE FIRM SHOULD NOTE THAT THE OFFERS WITH CONDITIONS INCLUDING THAT WITH CONDITIONAL REBATES WILL BE SUMMARILY REJECTED.**
 20. The contractor shall ensure fulfillment/compliance of the provisions of EPF & Misc. Provisions Act 1952 & Employees Provident Fund Scheme 1952 in respect of labourers/ employees engaged by them for performing the works of BSNL.
 21. The Contractor shall not be permitted to tender for works in telecom circle of BSNL in which his near relative (s) (directly recruited or on deputation in BSNL) is/are posted in any capacity either non-executive or executive employee in that Circle. Any breach of this condition by any contractor would be sufficient to debar from enlistment.

Note:- The near relatives for this purpose are defined as (a) Members of a Hindu Undivided Family, (b) they are husband and wife, (c) the one is related to the other in the manner as father, mother, son(s) wife (daughter-in-law), daughter(s) and, daughter's husband (son-in-law), brother(s) and brother's wife, sister(s) and sister's husband (brother-in-law).

The certificate (As per Annexure-VII) shall be given by the proprietor in respect of proprietorship firm, by all the partners in respect of partnership firm and in respect of a limited company by all directors of the company. Govt. of India/Financial Institutions nominees and independent non-official part time Directors appointed by Govt. of India or the Governor of the State and full time Directors of PSUs both State and Central are excluded from the purview of the above provisions.

22. The competent authority on behalf of the BSNL does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.
23. The competent authority on behalf of BSNL reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
24. No exemption certificate for payment of EMD is acceptable.

25. 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.

26. 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/GST Departments recommends such a course-Action will be taken as per the directions of CBI or concerned department.

ABSTRACT OF COST

Name of Work: Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

Sl. No.	Description	Total Amount (inclusive of all levies & taxes including GST) (Rs.)	Total price inclusive of all levies and charges but excluding Input Tax Credit (ITC) (TOTAL NET COST TO BSNL)	Total Amount of Input Tax Credit (ITC) to be availed by BSNL
1	Part A. Supply Portion			
2	Part B. ITC Portion			
	GRAND TOTAL			

UN-PRICED SCHEDULE

SCHEDULE OF WORK

Name of work: Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA."

Part A. Supply Portion

Part B. ITC Portion.

Sl o.	Description of Item	Total quantity	Basic Unit Price i/c freight & Insurance excluding all taxes & charges	GST						All inclusive Unit cost	Amount of Input tax Credit (ITC) to be availed by BSNL	Unit price excluding ITC amount (Net unit cost to BSNL)	Total price inclusive of all levies and charges but excluding ITC (Net Total Cost)	Total price inclusive of all levies and charges including Input Tax Credit	HSN/SAC Code
				GST/UNIT											
				CGST		SGST		IGST							
				Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount						
1	2	3	4	5	6=4X5	7	8=4X7	9	10=4X9	11=4+(6+8) or (10)	12=(6+8) or (10)	13=11-12	14=3X13	15=3X11	
	PART "A" (SUPPLY PORTION)														
1	Supply of FLUSH TYPE, FULLY EXTENDABLE and COMPARTMENTAL indoor, cubicle type floor mounting metal clad MV panel suitable for operation on 415 V, 3phase, 4 wire, 50 Hz A.C. supply system	1 Job													

UN-PRICED SCHEDULE

made of CRCA sheet steel of 2.0mm thick for framework and covers and 5mm thick for gland plates, cleaning and finishing complete with 7 tank process for powder coating in approved shade having degree of protection not less than IP42 protection, incorporating the following as per detailed drawing and specifications attached including providing and fixing bottom base channel of M.S section not less than 100mm x 50mm x 5mm thick, cutting, welding and making good of cable trenches as required.

I) INCOMING :

- (i) One No 160 A 4Pole 25KA breaking capacity MCCB with Thermal - Magnetic Release having release range fitted with DIRECT ROTARY OPERATING HANDLE
- (ii) TWO Nos.160A 4 pole on load changeover switch.

(II) OUTGOING

- (i) 5 (Five) Nos. of 63 A 4Pole 25KA breaking capacity MCCB with Thermal - Magnetic Release fitted with fitted with DIRECT ROTARY OPERATING HANDLE Mechanism

III)METERING EQUIPMENTS:

- (i) Two Volt meter (Digital) with VSS..
- (ii) Two Ammeter (Digital) with ASS with CT of 200/5 A range.
- (iii) Two Set comprising 6 nos. 20 mm diameter "RED, YELLOW & BLUE COLOUR LED indicating Lamp.

	<p>(iv) lamps for PHASES with 6 Nos. of 5amps toggle switches,,6 Nos. 2 Amp MCB i/c interconnections.</p> <p>(v) One set of 250A capacity 4 strips, aluminum bus bar made of aluminum with heat shrinkable insulation.</p> <p>(vi) ONE No 30 mm x 5 mm thick or its equivalent capacity Aluminium Earth Bus Bar of SUITABLE length for terminating the loop earths on entire side of the Panel.</p>														
2	<p>Supply of FLUSH TYPE, FULLY EXTENDABLE and COMPARTMENTAL indoor, cubicle type floor mounting metal clad MV panel suitable for operation on 415 V, 3phase, 4 wire, 50 Hz A.C. supply system made of CRCA sheet steel of 2.0mm thick for framework and covers and 5mm thick for gland plates, cleaning and finishing complete with 7 tank process for powder coating in approved shade having degree of protection not less than IP42 protection, incorporating the following as per detailed drawing and specifications attached including providing and fixing bottom base channel of M.S section not less than 100mm x 50mm x 5mm thick, cutting, welding and making good of cable trenches as required.</p> <p>I) INCOMING :</p> <p>(i) ONE No 160 A 4Pole 25KA breaking capacity MCCB with Thermal - Magnetic</p>	1 Job													

UN-PRICED SCHEDULE

<p>Release having release range fitted with DIRECT ROTARY OPERATING HANDLE</p> <p>(II) OUTGOING</p> <p>(i) 7 (Seven) Nos. of 63 A 4Pole 25KA breaking capacity MCCB with Thermal - Magnetic Release fitted with fitted with DIRECT ROTARY OPERATING HANDLE Mechanism</p> <p>III)METERING EQUIPMENTS:</p> <p>(i) One Voltmeter (Digital) with VSS.</p> <p>(ii) One Ammeter (Digital) with ASS with CT of 200/5 A range.</p> <p>(iii)One Set comprising 3 Nos. 20 mm diameter "RED, YELLOW & BLUE COLOUR LED indicating lamps for PHASES with 3 Nos of 5amps toggle switches,3 Nos. 2 Amp MCB i/c interconnections.</p> <p>(iv) One set of 250A capacity 4 strips, aluminum bus bar made of aluminum with heat sink insulation.</p> <p>(v) ONE No 30 mm x 5 mm thick or its equivalent capacity Aluminum Earth Bus Bar of SUITABLE length for terminating the loop earths on entire side of the Panel.</p>															
TOTAL OF PART "A" (SUPPLY PORTION)	Total Price inclusive of all levies & charges including Input Tax Credit														
	Total Net Cost to BSNL														
PART "B"- (ITC PORTION)															

1	ITC of above LT Panel on existing trench/floor with testing & commissioning on 3Phase, 415V, 50Hz AC supply i/c connections, earthing arrangement along with minor civil works including repairing and making good the same etc complete as required. and i/c ARRANGEMENT OF Temporary supply, decommissioning & dismantling of existing panels, modifications etc and reconnection of the cables.																		
	A. LT Panel against item no. 1	01 Job																	
	B. LT Panel against item no. 2	01 Job																	
2	Laying of 1No. PVC insulated & sheathed Aluminium conductor underground cable of 1.1KV grade of size exceeding 25sq mm but not exceeding 120 Sq mm in the following ways.																		
	a).On surface of wall/ceiling/cable tray.	100 mtrs																	
3	S/M end termination with compression gland for PVC insulated and sheathed AL conductor cable of 1.1KV grade of the following size as required.																		
	a) 31/2 x50 sq.mm	8 sets																	
	b) 4 x 16 sq.mm	8 sets																	
	TOTAL OF PART B : II		Total Price inclusive of all levies & charges including Input Tax Credit																
			Total Net Cost to BSNL																
			Total for A + B inclusive of all levies and charges including Input Tax Credit																
			Total for A + B inclusive of all levies and charges but excluding ITC (Net Total Cost)																

UN-PRICED SCHEDULE

	Departmental Supply	Quantity
	a) 3.5 x 50 sq.mm AUG Cable	100 Mtrs
	b) 3.5x95 sq.mm AUG Cable	100 Mtrs
	c) 4x16 sq.mm AUG Cable	50 Mtrs

Notes:

- (i) The prices shall be quoted after taking into account the entire credit on inputs under GST Act introduced with effect from 01-07-2017.
- (ii) The firm shall be responsible to see that input tax credit shown in the above columns are correct & Input tax credit for the amount shown above are admissible as per GST ACT ' 2017.
- (iii) Invoice favouring BSNL shall be issued by the supplier indicating GST (as applicable CGST/SGST/IGST) with documentary proof to avail input tax credit by BSNL as per the requirement of GST ACT.
- (iv) The rates quoted shall be inclusive of all taxes and duties.
- (v) 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 but excluding input tax credit/GST as indicated in the price schedule. Octroi/Entry Tax are not to be included in the composite price and hence the same will not be considered for the purpose of evaluation and comparison of responsive bids. However, Octroi will be paid extra, as per actual wherever applicable on production of proof of payment/relevant invoices/documents.
- (vi) Works contract tax will not be deducted at the source as it is subsumed in the GST. However, any deduction of tax at source under GST is affected it will be done as per statutory instructions issued by Govt of India time to time.
- (vii) If any levy / duty is not payable or documentary proof is not produced, the amount for the same shall be deducted.
- (viii) The firm should quote for each item separately. They should not club the items while quoting.
- (ix) In case of ambiguity, between schedule and specifications, schedule shall prevail. If there is ambiguity between "schedule and specification" verses IS / BS Standards, "Schedule and specification" shall prevail.

TECHNICAL SPECIFICATIONS

SPECIFICATION FOR ELECTRICAL WORKS

1. General:

The work should be carried out as per CPWD GENERAL SPECIFICATIONS FOR ELECTRICAL WORKS (Part-I, Internal) as amended up to date.

2. Co-ordination with other agencies:

The contractor shall co-ordinate with all other agencies involved in the building work so that that the buildings work is not hampered due to delay in his work. Recessed conduit and other works, which directly affect the progress of building work, should be given priority.

3. Care of Buildings:

Care shall be taken by the contractor to avoid damages to the building during execution of his part of the work. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of his work from the site.

4. Structural Alternations to Buildings:

- (i) No structural member in the building shall be damaged/altered, without prior approval from the competent authority through Engineer-in-charge.
- (ii) Structural provisions like openings, cutouts, if any provided by the department for the work, shall be used. Where these require modifications, or where fresh provisions are required to be made, such contingent works shall be carried out by the contractor at his cost.
- (iii) All such openings in floors provided by the Department shall be closed by the contractor after installing the cables/conduits/rising mains etc. as the case may be, by any suitable means as approved by the Engineer-in-charge without any extra payment.
- (iv) All cases required in connection with electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the building.

5. Addition to an installation:

Any addition temporary or permanent to the existing electrical installation shall not be made without a properly worked out scheme/design by a qualified Electrical Engineer to ensure that such addition does not lead to overloading, safety violation of the existing system.

6. Work in occupied buildings:

- (i) When work is executed in occupied buildings, there would be minimum of inconvenience to the occupants. The work shall be programmed in consultation with the Engineer-in-charge and the occupying department. If so required, the work may have to be done even before and after office hours.
- (ii) The contractor shall be responsible to abide by the regulations or restrictions set in regard to entry into, and movement within the premises.

-
- (iii) The contractor shall not tamper with any of the existing installations including their switching operations or connections there to without specific approval of the Engineer-in-charge.

7. Drawings:

- (i) The work shall be carried out in accordance with the drawings approved and also in accordance with modification there to from time to time as approved by the Engineer-in-charge.
- (ii) All wiring diagrams shall be deemed to be 'Drawings' within the meaning of the term as used in clause 11 of the conditions of Contract (EW 8). They shall indicate the main switch board, the distribution boards (with circuit numbers controlled by them), the runs of various mains and sub-mains and the position of all points with their controls.
- (iii) All circuits shall be indicated and numbered in the wiring diagram and the points shall be given the same number as the circuit to which they are electrically connected.

8. Conformity to IE Act, IE Rules, and Standards:

- 8.1 All Electrical works shall be carried out in accordance with the provisions of Indian Electricity Act'203 and Indian Electricity Rules,1956 amended up to date(date of call of tender unless specified otherwise). List of Rules of particular importance to Electrical Installations under these General Specifications is given in Appendix C for reference.

9. General requirements of components:

9.1 Quality of materials:

All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under rated conditions of operation and to withstand the environmental conditions at site.

9.2 Inspection of materials and equipments:

Materials and equipments to be used in the work shall be inspected by the Departmental Officers at any of the location as decided by the Engineer-in-charge or competent authority

- 9.3 The Departmental officers will take adequate care to ensure that only tested and genuine materials of proper quality are used in work.

- 9.4 Similarly, for fabricated equipments, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.

10. Works to be done by the Contractor:

Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost: -

- (i) Foundations for equipments and components where required, including foundations bolts.
- (ii) Cutting and making good all damages caused during installation and restoring the same to their original finish.
- (iii) Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.

(iv) Painting at site of all exposed metal surfaces of the installation other than pre-painted items like fittings, fans, switchgear/distribution gear items, cubicle switchboard etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Engineer-in-charge.

(v) Testing and commissioning of completed installation.

11. Storage and Custody of Materials:

Suitable and lockable storage accommodation shall be provided by the Department free of cost to the contractor. However, the watch and ward of the stores and their safe custody shall be his responsibility till the final taking over of the installation by the Department.

12. Electric Power Supply and Water Supply:

Unless and otherwise specified, power supply and water supply will be arranged by the Contractor at the site for installation purpose. However, for testing purpose, Electricity Supply will be made available **free of cost** to the Contractor. Contractor will take due care to ensure safety of Electrical installation during execution of work.

13. Tools for handling and erection:

All tools and tackles required for handling of equipments and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor.

14. Ratings of Components:

(a) All components in a wiring installation shall be of appropriate ratings of voltage, current, and frequency, as required at the respective sections of the electrical installation in which they are used.

(b) All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.

15. Conformity to standards:

(a) All components shall conform to relevant Indian Standard Specifications, wherever existing. Materials with ISI certification mark shall be preferred.

(b) A broad list of relevant Indian Standards is given in Appendix D. These Indian Standards, including amendments or revisions thereof upto the date of tender acceptance, shall be applicable in the respective contracts.

16. Interchangeability:

Similar parts of all switches, lamp holders, distribution fuse boards, switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.

17. Workmanship:

17.1 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.

17.2 Proper supervision/skilled workmen:

The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably skilled/licensed workmen of various categories for execution of work supervised by supervisors / Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instructions of Engineer-in-charge and other senior officers of the Department during the progress of work.

17.3 Use of quality materials:

Only quality materials of reputed make as specified in the tender will be used in work.

17.4 Fabrication in reputed workshop:

Switch boards and LT panels shall be fabricated in a factory/workshop having modern facilities like quality fabrication, seven tank process, powder/epoxy paint plant, proper testing facilities, manned by qualified technical personnel. The tender shall specify some quality makes of fabricators with modern facilities of design, fabrication and testing capable of delivering high quality LT panels and switch boards after testing as per relevant specifications.

18. Testing:

All testes prescribed in these General Specifications, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-in-charge in prescribed Performa, forming part of the Completion Certificate.

19. Commissioning on Completion:

After the work is completed, it shall be ensured that the installation is tested and commissioned.

20. Completion Plan and Completion Certificate:

- (i) For all works completion certificate after completion of work as given in Appendix-E shall be submitted to the Engineer-in-charge.
- (ii) Completion plan drawn to a suitable scale in tracing cloth with ink indicating the following, along with three blue print copies of the same shall also be submitted.
 - (a) General layout of the building.
 - (b) Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.
 - (c) Position of all points and their controls.
 - (d) Types of fittings, viz. fluorescent, pendants, brackets, bulk head, fans and exhaust fans etc.
 - (e) Name of work, job number, accepted tender reference, actual date of completion, names of Division/Sub-Division, and name of the firm who executed the work with their signature.

21. Co-ordination with local Supply Authority:

The power requirement should be assessed, in consultation with the owner/users, and discussion should be held with the Electricity supply authority to decide on location/space required for Electricity supply equipment/meter and tariff involved. The agency has to liaison with all the authority as per recommendation and consultation with Engineer-in-charge. Nothing extra shall be paid on this account.

SPECIFICATION FOR MAIN MV PANEL

CONSTRUCTION FEATURES:

1. GENERAL

1.1. MV switch board shall be sheet steel cubicle, indoor, floor mounting, dead front, free standing type. The design shall be totally enclosed, completely dust tight and vermin proof. The sheet steel used shall be 2 mm thick, gasket of 19 mm wide and 2mm thick shall be used between all adjacent units and beneath all covers to render the joints effectively dust proof. The press fitted angle iron of suitable size shall be use for outer edges to good support. Sheet steel work shall be machine made and shall be of high quality. All openings and cut-outs in the door shall be free from burrs. Weld runs shall be ground smooth. All sheet surface shall be free from dents and hammer marks. A base channel of 100mm x 50mm x 6mm painted black shall be provided to prevent corrosion of the sheet steel cubicles and facilitate cleaning. Minimum clearance of 250mm between floor level and bottom most unit shall be provided.

1.2. Structure of frame work and end covers shall be such as to require minimum number of screws visible from outside. The frame work shall be made of steel sheets folded to impart strength which will also serve as continuous barriers between logically arranged switch board compartments. The arrangement of horizontal and vertical busbars, switchgear compartment and cable space shall be based on modular constructions.

1.3. The switch boards' arrangement shall be logically compact and neat. Each module shall be fitted with individual dust proof doors and provided with insulated thumb screws. The switch board shall have a uniform height and depth throughout its length and shall present a flush appearance. The maximum operating height shall not exceed 2000mm. The maximum height of the panel shall not exceed 2200mm. Adequate lifting facilities shall be provided for each shipping section to facilitate handling and transport. The compartment door shall be so interlocked that it shall not be possible to open the door with the switch in closed position. Provision for testing switchgears is to be provided. The compartment door shall be lockable type.

1.4. Outgoing links from feeders shall be rightly supported and suitable extended in cable chamber for ease of cable connection. Cable lugs and links shall be covered by insulating shields. Barriers shall be provided between the modules accommodating equipment associated with the outgoing circuits. All vertical sections shall have a covering at the bottom so that entry of dust, rats and vermin is not possible.

2. HEAVY DUTY COMPOSITE UNITS OF SWITCHES AND FUSES

All switches shall be suitable to be operated from the front and shall conform to IS 4047. The rating of the switch fuses shall be as specified. Outgoing feeders shall be neatly

arranged in different compartments. Switches for individual feeders shall be accommodated in separate modules.

3. BUSBARS

Three phase and neutral bus bars made of aluminum alloy shall be provided not to exceed rating of 1.30Amp/sq.mm after considering the deration. Aluminum alloy used for bus bars and connections shall be equivalent to (E91-EWP) class of IS 5082/1969. Bus bars shall be housed in separate bus bar chamber. Horizontal Bus bar shall extend throughout the length of panels. The bus bar shall be suitably braced to withstand the fault level and shall be supported on unbreakable non-hygroscopic hylum sheets rigidly held to the frame works of the chamber. Bus bar chamber shall have a separate screwed cover and colour codes shall be provided to identify the various phase of the bus bars. Vertical bus bar shall be arranged as close as possible to the units. The connections between the horizontal and vertical bus bars shall be short and neat. All bus bars and connections shall be suitably sleeved with PVC sleeves. Clearance between phases shall not be less than 32 mm and minimum clearance to earth shall not be less than 26 mm.

4. The panel drawing shall be approved from Engineer in Charge before start of work. The panel shall be offered for O3 stage inspection from Engineer in charge or his authorized representative during fabrication stages such as Sheet metal fabrication, during painting and before dispatch to site.

5. CABLE COMPARTMENTS

A full height compartment running behind the vertical modules shall be provided for easy termination of all incoming and outgoing cables entering either from top or bottom. Adequate supports shall be provided for the cable wherever necessary. The cable compartment shall have its own hinged cover which can be removed for easy access during cabling.

6. INTERCONNECTION AND CONTROL WIRING

Switch Board shall be completely factory wired ready for connecting to the equipment. Power connection of the circuit shall be done by Aluminium flats or by adequate size of PVC insulated stranded copper wires. Control wiring shall be done by PVC insulated copper wires of minimum size 1.5 sq.mm All control wiring shall be fitted with identical identification ferrule at each end and not more than two connection shall be made at any one terminals. The wires shall be arranged and supported in such a manner that there shall be no strain on terminations.

7. TERMINAL ARRANGEMENTS

The terminals shall be of adequate current rating and size to suit individual feeder requirements. Cable lugs for terminations shall be mounted in such a manner so as to facilitate easy cable connection. Terminals shall be mounted in cable compartment. Tap off connection at the bus bar shall be made with nuts, bolts and washers. Bus bar shall not be threaded for terminating wire connection.

8. CABLE ENTRY

The switch board shall be designed to facilitate Aluminium conductor PVC cable entry from top or bottom as the case may be. Removable sheet steel plate provided with suitable size of cable gland as specified shall be fitted at the top or bottom. Arrangement can be made to receive bus bar trunking wherever specified.

9. INDICATING INSTRUMENTS/LAMPS

The indicating instruments shall be of reputed make conforming to relevant IS. The arrangement of the instrument shall be logical. The size of the instrument shall be as specified.

10. LABELS

Engraved PVC labels shall be provided on all the incoming and outgoing feeder compartments. The exact legend to be engraved will be furnished.

11. EARTH BUSBARS

The earth busbar shall be of 30mm x 5mm Aluminium flat

12. PAINTING

All sheet works shall undergo a process of degreasing, pickling in acid, cold rinsing, phosphating, passivating and then be sprayed with high corrosion resistant primer. The primer shall be baked in an oven. The finishing treatment shall be by application of two coats of synthetic paint of approved shade by spray.

13. INSTALLATION

MV panels shall be floor mounted. The installation work shall cover assembly of various sections of the panel including grouting the units etc. A common earth busbar shall run at the back of the panel connecting all the sections for connection to frame to the earth system. All protection and other wiring for indications etc. shall be completed before calibration and commissioning checks are commenced.

14. TESTING AND COMMISSIONING

Commissioning checks and tests shall include all wiring checks and checking up connections. Primary/secondary injection tests for the relay adjustment/setting shall be done before commissioning in addition to routine megger test. Check and test shall include the following:

- a. Operation checks and lubrication of all moving parts
- b. Continuity checks of wiring, fuses etc. as required
- c. Insulation test when measured with 500V megger. The insulation resistance shall not be less than 100 M Ω .

SPECIFICATION FOR CABLING

1. **SIZE:**

- a) M.V. cable shall be $3\frac{1}{2}$ / 4 cores PVC insulated PVC sheathed/XLPE aluminum conductor armoured cables of sizes indicated in the schedule.
- b) All control cables shall be of 1.1 KV grade copper PVC insulated copper wire of size not less than 1.5 Sq.mm.

2. **LAYING:**

- a) All cables shall be laid in ground, trenches or on walls, trays as may be specified and as per schematic diagram.
- b) The work shall be carried out strictly in accordance with general specifications for electrical works (Part- I Internal) amended up to date.
- c) All cables shall be clamped properly when laid along the wall /ceiling/ cable tray.

3. **JOINTING:**

The cable jointing work shall be carried out only by a licensed and experienced cable jointer and shall be in accordance with general specification for electrical works Part- I Internal.

4. **TESTING:**

Testing of complete cable installation shall be done as provided in general specification for electrical works (Part- I Internal) amended up to date.

5. Material issued from BSNL Electrical Store Dimapur and nothing shall be paid extra on account of transportation.

ANNEXURE - I

COMPLIANCE STATEMENT

We _____ (name of the firm) state to comply in full manner with the entire *General, commercial, Technical, operating financial conditions of the Tender Document for the work Supplying, Installation, Testing & Commissioning of Cubicle MV Panel for GMTD building at Dimapur under Nagaland SSA.*"

Part A. Supply Portion

Part B. ITC Portion.

For and on behalf of (Name the company)

Signature of the authorized signatory of the bidder company.

ANNEXURE - II

MODEL FORM OF BANK GUARANTEE

BANK GUARANTEE BOND FOR 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 Contractor(s)") has submitted its Tender dated _____ for _____ (Name of work)

_____ KNOW ALL MEN by these Presents that WE
_____ OF

_____ having our registered office at _____
_____ (hereinafter called "The Bank") are bound unto **ACCOUNTS OFFICER (CASH), O/O GMTD, BSNL, NAGALAND SSA, DIMAPUR** hereinafter called "The Purchaser") in the sum of _____ for which payment will and truly to be made of the said Purchaser, the Bank binds itself, its successors and assigns by these presents.

THE CONDITIONS of the obligation are:

1. If the Contractor(s) withdraws its Tender during the period of Tender validity specified on the Tender Form :

Or

2. If the Contractor(s) having been notified of the acceptance of its Tender by the Purchaser 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 Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand, the Purchaser 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 Authority

Signature of the Witness

Name of Witness

Address of Witness

ANNEXURE - III

PERFORMANCE SECURITY GURANTEE BOND

1. In consideration of the CMD, BSNL (hereinafter called 'BSNL') having agreed to exempt _____ (hereinafter called 'the said contractor(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 fulfillment by the said contractor (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 _____ (contractor(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 Contractor(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 demure, merely on a demand from the BSNL by reason of breach by the said contractor(s)' of any of the terms or conditions contained in the said Agreement or by reason of the contractors(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 contractor(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 contractor(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/Department) BSNL certifies that the terms and conditions of the said Agreement have been fully or properly carried out by the said contractor(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 ONE YEAR after actual completion of work.
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 contractor(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 Contractor(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 Contractor(s) or for any forbearance, act or omission on the part of the BSNL or any indulgence by the BSNL to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s)/supplier(s).
1. 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 the Bank)

ANNEXURE-IV

A. LIST OF APPROVED MAKES OF BSNL ELECTRICAL WING

Sl. No.	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 / manufacture approved make in case battery is of same make as that of Engine and supplied by the Manufacturer only (Kirloskar, Cummins pulse etc)
4	HV Switchgear (Vacuum Circuit Breaker/SF6)	Biecco Lawrie / Crompton / Kirloskar / MEI / Jyoti Ltd
5	Transformer (Oil filled / Dry type)	ABB / Schneider Electric /Andrew Yule / Bharat Bijlee / Crompton / EMCO / Kirloskar / Siemens
	a) Above 400 KVA	
	b) Up to 400 KVA	In addition to above makes, Uttam/Automatic Electric Gear(AEG)/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
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/ C&S/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	Matsushita/Hitachi/Toshiba/GMCC/Carrier/ Emerson /LG/ Tecumseh/Danfoss
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/ Ravel Elect.
39	Ionization Detector	Appollo / Cerebrus / Edward/ /Fenwal / Hochiki / Nitton / System Sensor / Wormald/Ravel Elect.
40	Photo Electric Smoke	Appollo / Cerebrus / Edward / Fenwal/ Hochiki /

	Detector	Nitton / Wormald / System Sensors/Ravel Elect.
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. Any other make approved by BSNL EW, corporate office till the last date of sale of tender is also acceptable.
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.

B. APPROVED MAKES FOR ITEMS NOT COVERED IN 'A'

Sl. No.	Item	Makes
1	1.5TR Inverter AC Unit	Panasonic /Universal comfort(Voltas) /Hitachi / LG / Carrier / Daikin / Mitsubishi /O-General /BlueStar/ Samsung /Godrej /Lloyd/Haier or similar superior make * Make of compressor supplied along with the above - meeting all the specifications, will be acceptable in addition to the makes mentioned at page no. 64
2	Water Cooler	Voltas/Bluestar or similar superior make.
3	Ceiling/Exhaust Fans	Crompton/Havells/Usha/Orient or similar superior make.
4	Lights and Fixtures	Crompton/Wipro/Phillips/Havells or similar superior make.

ANNEXURE - V

Declaration by Contractor

1. I / We do hereby undertake to have gone through the terms & conditions / clauses of all the tender documents including Form EW-6, EW-8 being adopted by the BHARAT SANCHAR NIGAM LIMITED (Electrical Wing) & agree to abide by the same.

2. I/we hereby declare that no addition /deletion/correction have been made in the tender document submitted and is identical to the tender document appearing on website.

In case of failure to comply as above, our offer will stand withdrawn and the decision of tender opening officer in this regard shall be final & binding on me.

Signature of contractor/authorized representative

With seal of the firm

ANNEXURE - VI

UNDERTAKING TO ABIDE BY EW-6 & EW-8

"I _____ Son of _____
_____ Resident of _____
_____ hereby give an
undertaking that, I have read and I am aware of all the clauses and sub clauses of BSNL
EW-6 & EW-8 forms and I confirm that, I will abide by all the terms and conditions available
in original standard BSNL EW-6 & EW-8 forms.

(Seal of the firm)

(Dated Signature of Contractor)

ANNEXURE-VII

Non Relative Certificate

(The format of the certificate as per clause 12.3 of EW-6)

I _____ son of Shri _____
_____ 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 Contractor)

ANNEXURE-VIII

UNDERTAKING REGARDING EPF PROVISIONS

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

* I/We have employed only _____ persons in our establishment and hence the EPF and Miscellaneous provision 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)

(Dated Signature of Contractor)

ANNEXURE -IX

UNDERTAKING REGARDING ESI PROVISIONS

I _____ Son of _____ Resident
of _____ hereby declare 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 under ESI Act'1948 and ** allotted Registration Number is _____ We undertake to keep it valid during the currency of contract.

In case it is found that the information given by me / us is (are) incorrect/False, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to us / me.

* Strike out whichever is not applicable.

** Attach a self-attested photocopy of the above said ESI Registration Certificate OR self-attested photocopy of the latest ESI contribution slip along with above undertaking on a printed letter head.

(Seal of the firm)

(Dated Signature of Contractor)