

**BHARAT SANCHAR NIGAM LIMITED**  
**O/O THE SUB DIVISIONAL ENGINEER(E)**  
**BSNL ELECTRICAL SUB DIVISION -II**  
**241, BAKSHI NAGAR, JAMMU**

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**NIT NO :- 228/EE(E)/BSNL/ESD-II/JMU/2009-10/39**

**DATED :- 25-01-10**

**TENDER FOR THE WORK:- Provision of Electrical works for CSC Kathua (Sh:- ITC of AC units & Associated works)**

**NAME OF AGENCY:-**

**DATE OF SALE ( not to be filled for download tenders )**

**DUE DATE OF OPENING:- 09-02-10**

**DD/CDR/FDR No, Date, Amount & Name of Bank For tender sale cost ( for download tenders only):-**

**DD/CDR/FDR No, Date, Amount & Name of Bank for EMD:-**

**ESTIMATED COST: - Rs. 46,171/-**

**EARNEST MONEY: - Rs .923/-**

**TIME FOR COMPLETION OF WORK:- ONE MONTH**

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## WEB NOTIFICATION

The Sub Divisional Engineer (Elect), BSNL Electrical Sub Division-II, Jammu invites on behalf of the Bharat Sanchar Nigam Limited sealed item/rate tenders for the following work from the contractors satisfying the under mentioned eligibility conditions:

Name of work :- **Provision of Electrical works for CSC Kathua (Sh:- ITC of AC units & Associated works)**

**Estimated cost: - Rs. 46,171/-**

Earnest Money Deposit: **Rs. 923/-**

Time for completion: - **ONE MONTH**

- 1 Eligibility Criteria:-The agency who have been enlisted in BSNL in a category whose financial Limit is more than the Estimated cost are eligible and for the specialized jobs the firms who have executed three works of similar nature are also eligible.
  2. Contractor should registered with J&K Govt. sales tax department and possesses local sales tax no in the prescribed form issued by the assessing authority in such as prescribed ( ST-64, Rule 72) OR Form VAT 46.
  3. The Agency should have EPF registration& supply the copy of valid EPF registration
- And
4. ESI registration of contractors

**“ The Agencies who claim to be exempted from ESI registration should submit an affidavit on judicial stamp paper for the same. ”**

- Documentary proof of satisfying eligibility conditions and chartered accountant certificate for turnover to be furnished along with the application on printed letter heads. Testimonials of satisfactory completion should be obtained from an officer not below the rank of Executive Engineer.
- Conditions & Tender forms can be had from the office of Sub Divisional Engineer ( E) II Jammu. on payment of Rs 150/-+ 12.5 % vat (non refundable) or can be downloaded from our [www.j&k.bsnl.co.in](http://www.j&k.bsnl.co.in)
- Last date of receipt of application:- **08-02-10**
- Last date of issue of tender :- **08-02-10**
- Last date of submission of Tender:- **09-02-10** up to 3.00 pm
- Date of opening of Tender :- **09-02-10** up to 3.30 pm

Validity of the Tender shall be for 90 days from the date of opening of the Tender.

The tenders of contractors who do not deposit earnest money in the prescribed manner are liable to be rejected. Conditional tender shall

- Tender to be submitted in 2 sealed covers marked as cover 1<sup>st</sup> and 2<sup>nd</sup>. Both should be separate and they should not be enclosed in a common 3<sup>rd</sup> cover. 1<sup>st</sup> cover should contain the earnest money in prescribed form and 2<sup>nd</sup> cover should contain tender documents. In case 1<sup>st</sup> cover is not annexed or Earnest money is not in proper form the 2<sup>nd</sup> cover will not be opened at all
- In case the bid document is downloaded from the website – procedure for submission of tender documents is as below:-

1. The Bids shall be submitted in two covers. The documents to be enclosed in each cover are detailed below. Both the covers shall be sealed separately by the seal of the bidder.

2. The vendor shall enclose all the following in sealed envelope ONE:

[a] EMD the shape of DD / FDR / CDR /BG of scheduled Bank of Nationalized Bank/state Bank guaranteed by Reserve Bank on India drawn in favour of Accounts officer , BSNL Electrical Division Jammu.

[b] Cost of tender documents in shape of separate D.D, if the same is downloaded from the web site

[c] The credentials for meeting the eligibility conditions shall be submitted along with the cost of the tender documents (in the shape of demand draft) and earnest money in first envelope. The credentials shall be self attested and certified by an BSNL Executive. If not certified by BSNL Executive then original documents shall be produced at the time of tender opening. After verification of the contents of this envelope and if found eligible then the second envelope containing the bid documents shall be opened. Any addition/deletion in credentials is found fake/false the tender shall be rejected and EMD shall be forfeited.

3. The price bid of tenderer (s) who do not comply with clause-2 as above shall not be opened.

4. The vendor shall enclose the following in sealed envelope TWO:

Price Bid along with complete set of documents issued by the BSNL. The rates and amounts should be filled in the schedule of work attached thereto. Tenders should not contain any condition including conditional rebate. Such bids shall be rejected forthwith.

The tenderer shall submit the downloaded original computer printout of the document from website. The photocopy shall not be accepted. If during the process of tender finalization, it is detected that the tenderer has submitted tender documents after making any change(s) / addition(s) / deletion(s) in the tender documents downloaded from website, the offer shall summarily not be considered and the EMD deposited by tenderer shall be forfeited in addition to any other action as per prevalent rules.

SUB DIVISIONAL ENGINEER (E)

## **TENDER**

I/We have read and shall abide by the notice inviting tender, schedule A,B,C,D,E,F and PWD-6 and 8 specifications applicable, Drawings & Designs, General Rules and directions, conditions of contract, clauses of contract, special conditions, Schedule of Rate & other documents and rules referred to in the conditions of contract and all other contents in the tender document for the work .

I/We hereby tender for the execution of the work specified for the BSNL within the time specified in schedule "F", viz, schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule -1 of General Rules and Directions and in clause 11 of the conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender valid for 90(Ninety) days from the due date of submission thereof and not to make any modifications in its terms & conditions and submitting the EMD in prescribed shape.

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 otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret /confidential document and shall not communicate information /derived there from to any person whom I/We may Authorise to communicate the same or use the information in any manner prejudicial to the safety of the state.

I/We agree that should I/We fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of invitation of tender and

performance guarantee shall be absolutely forfeited to the BSNL and the same may at the option of the competent authority on behalf of the 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 .

I/we here by agree to sign the:-

- (a) The original documents consisting of schedule and specification, important note to contractor, special conditions of contract etc as per original tender documents (applicable for bid received on web).
- (b) Latest P.W.D -6 and 8 form shall form part of the agreement.

Dated-----  
contractor

Signature of

Postal

Address

Witness:

Address

Occupation

**Format of the certificate to be given by the firm/person:**

I \_\_\_\_\_ S/o \_\_\_\_\_

R/o \_\_\_\_\_ here by certify that none

of my relative(s) as defined below is/are employed in the zone of Chief Engineer (E), BSNL, New Delhi. In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have absolute right to take any action as deemed fit/without any prior intimation to me.

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).

Signature of the

firm/person

Electrical Division: JAMMU

Sub Division: II JAMMU

## Notice Inviting Tenders

[As per tendering Procedure in BSNL revised upto date]

01 Tenders in the prescribed form are hereby invited on behalf of the BSNL for the work of:

### **Provision of Electrical works for CSC Kathua (Sh:- ITC of AC units & Associated works)**

**Estimated Cost: . Rs. 46,171/-**

- 02 (a) Printed forms of tenders 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 by the persons whose tender may be accepted, can be purchased, at the Divisional / Sub Divisional office between the hours of 11.00 hrs and 16.00 hrs. Every day except on Sundays and public Holidays on payment of Rs. 150/- + 12.5% VAT in cash. or can be downloaded from BSNL official web site:- [www.punjab.bsnl.co.in/electrical/electrical.html](http://www.punjab.bsnl.co.in/electrical/electrical.html).
- (b) The site for the work is available/ or the site for the works shall be made available in parts.
03. Tenders which should always be placed in sealed cover with the name of the work written on the envelope will be received by the Sub Divisional Engineer (Elect) Sub Division II Jammu up to 1500 HOURS on **09-02-10** and will be opened by him in his office on the same day at 1 5.30 HOURS.
04. The time allowed for carrying out the work will be one month after completion of civil work from the 10th day after the date of written order to commence the work.
05. Issue of tender form will be stopped one day before the date fixed for opening of tenders. Tenders will be sold only on working days; no tenders will be sold after 16.00 hours.

Earnest Money amounting to Rupees **923/-** in the form of demand draft/FDR/BG/DD/CDR of a nationalized/scheduled bank guaranteed by the reserve bank of India, drawn in favour of Accounts Officer, BSNL Electrical Division, JAMMU must accompany each tender and each tender should be in a sealed cover, super scribed as “ Tender for the work of :- **Provision of Electrical works for CSC Kathua (Sh:- ITC of AC units & Associated works)**

And addressed to Sub Divisional Engineer (E) BSNL, Electrical Sub Division II Jammu. The validity period of EMD is I20 days from the date of opening of under.

07. The contractor should submit and confirm Chartered Accountant certificate in respect of turnover and other registration certificate [Enlistment in BSNL. Electrical License, Sales Tax etc) with attested copies as applicable along with the application on printed letter head for purchase of tender. In case the tender is downloaded from the web site ,the procedure for submitting the same shall be as instructed in the notice inviting tender.
08. The contractor shall submit and confirm their permanent account number (PAN) issued by the Income Tax Department.
09. i. Performance 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 / CDR /FDR/DD/BG ( of a nationalized / Scheduled Bank in a standard format) within two weeks from the date of issue of award letter. The validity period of the performance security in the form of performance bank guarantee shall be one year from the date of actual completion of work.
- ii. Security deposit: In addition to performance guarantee stated above, a sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum be deducted with the sum already deposited as earnest money, will amount to security deposit of 5% of the Tendered value of the work.
10. The acceptance of a tender will rest with the SUB DIVISIONAL ENGINEER(E) , BSNL ELECTRICAL SUB DIVISION-II, JAMMU 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. Tenders with any condition including that of conditional rebates shall be rejected forthwith summarily.

11. Canvassing in connection with tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
12. An item rate tender contain in percentage below/above will be summarily rejected.
13. When a contractor signs a tender in an Indian language, the percentage above or below and the tendered amount in the case of PWD form-7 and the total amount tendered in the case of BSNL form-8 and 12 should also be written in the same language. In the case of illiterate contractors, the rate of the amount tendered should be attested by witness.
14. On acceptance of a tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be written communicated to the Engineer- in-charge.
15. Special care should be taken to write the rates in figures as well as words and the amount in figures only in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures the words "Rs." should be written before the figure Rupees and words "p" after the decimal figures e.g. Rs. 20.15p and in case of words Rupees should proceed and the paise should be written at the end. Unless the rate is in whole rupee and followed by the word "only", it should invariably be upto decimal place, while quoting the rate in schedule of quantities the work "only" should be written closely following the rate and it should not be written in the next line.
16. 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 rate quoted.
17. Sales Tax or any other tax on the material in respect of this shall be payable and government will not entertain any claim whatsoever in this respect.
18.
  - i) The tenderer should give a certificate that none of his/her near relative is employed in BSNL units. In case of Proprietorship firm, certificate will be given by the proprietor & for partnership firm certificate will be given by all the Directors of the company.
  - ii) Near relatives of all BSNL employees is prohibited from participating in tenders & execution of works in different units of BSNL as per the guidelines issued by the Sr. DDG(O&M), BSNL O&M Cell, New Delhi letter No. 151 -08/2002-0&M / #8 dated 11 -9-2002.
19. 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.
20. The tender for the work shall not be witnessed by the contractor who himself/themselves has / have tendered or who may 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.
21. 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 & after the work is awarded he will have to enter into a separate agreement for each component with the officer concerned.
22. The site shown in the layout plan shall be cleared of all obstructions, loose-stone materials, rubbish of all kind, as well as brush wood. All holes or hollows whether originally existing or produced by removal of loose stone or brush wood shall be carefully filled up with earth well rammed and level led off as directed.
23. Any tender not submitted in proper manner or If it contains too many corrections, over writings or absurd rates, and absurd amount will be liable to be rejected and the BSNL will be liberty to lake such action as it may deem fit without any reference to the tenderer.
24. 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 beat liberty to forfeit 50% (fifty percent only) of the said earnest money absolutely.
25. Extension of 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 tenderer 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.
26. Rates quoted by the contractor in item rate tender in figures and words shall accurately be filled in so that there is no discrepancy in the rates written in the figures and in words. However, if any discrepancy is found, the rate which corresponds with the amount worked out by the contractor shall be taken as correct.

27. Where the rates quoted by the contractor in figures and in words tally but amount is not worked out correctly, the rate quoted by the contractor will be taken as correct and not the amount.
28. If the amount of an item is not worked out by the contractor and it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words should be taken correct.
29. The EMD of all the unsuccessful tenderer shall be released on issue of award letter to the successful tenderer. This should be done within one week of award letter.
30. The contractor's responsibility for the contract shall commence from the date of issue of orders of acceptance of the tender.
31. Unsealed tenders shall be summarily rejected.
32. Before 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 extent 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.
33. The contractor should read the tender documents carefully before submitting the tender.
34. Exemption from payment of earnest money and security deposit by any other unit/department shall not hold good for BSNL.
35. The site for execution of the work will be made available, as the work is awarded. In case, it is not possible for the department to make the entire site available on the award of work the contractor shall arrange his working programme accordingly. No claim whatsoever for not giving the site in full on award or for giving site gradually in parts will be tenable.

Signature of Sub Divisional Engineer  
Electrical sub Division-II, JAMMU  
For and on behalf of  
Bharat Sanchar Nigam Limited

**IMPORTANT NOTE FOR CONTRACTOR**

1. General:

The special conditions shall be read in conjunction with general conditions of contract and amendments / corrections thereto. If there are any provisions in these special conditions, which are at variance with the provision in the above-mentioned documents, the provisions in these special conditions shall take precedence.

2. Scope of Work:

The general scope of work to be carried out under this contract is illustrated in the Schedule of quantities and specifications etc. forming part of the tender document. The firm shall carry out and complete the work under this contract in every respect in conformity with the contract documents and under the direction of Engineer-in Charge. The firm shall furnish all labour, materials and equipments including tools and plants required, if any.

3. (a) TAXES & DUTIES: The firm shall quote rate for each item including all taxes, levies and Octroi as well as Works Contract Tax and service tax etc. as applicable on the date of submitting this offer i/c loading, unloading, insurance and transportation up to site etc.

(b) The BSNL shall deduct works contract tax income tax etc. and any other tax from payments due to the firm, as per rules of the Central/State/Local by laws/government. The Accounts officers of the Division shall issue certificates for such deductions to the firm.

3.1 No Octroi exemption certificate or any other letter in this regard will be issued by BSNL.

3.2 Department reserves a right to accept quantity in full or parts.

3.4 (a) Tendered rates are inclusive of taxes and levies payable under the respective statutes. However, pursuant to the Constitution (Forty Six Amendment) Act 1987, 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 also paid provided such payment if any is not in the opinion of SE (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/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 amendment) Act 1982 give a written notice thereof to the Engineer-in-Charge that the same is given pursuant to this condition together with all necessary information relating thereto.

**NOTE:** No additional condition whatsoever will be accepted for turnover tax/sales tax on works contract. In case of additional conditions for the payment of such taxes by the contractor the tender may be liable to be summarily rejected by the accepting authority.(Standing order No.258)

4. No price escalation under Clause 10CC shall be admissible during currency of contract.

5. E. M. D.: Firm should specially note that if they do not enclose E. M. D. with their offer as prescribed, their offer shall not be considered. The amount of earnest money to be deposited with each tender is 2% of the estimated cost put to the tender Subject to a maximum of Rs. 2 Crores.EMD will be acceptable in the form of CDR/FDR/DD.

6. **VALIDITY PERIOD OF EMD:**

The validity period of the EMD shall be kept 30 days beyond the tender validity e.g. 90+30=120 days, since the tender validity period is 90 days.

7. **EXTENSION OF VALIDITY OF EMD:**

In case, if 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 EMD deposit by a reasonable period. In such cases, extension of validity of EMD by 30 days beyond the extended validity date of tender should also be asked for.

8. SECURITY DEPOSIT:

Security deposit @ 10% of the gross amount shall be deducted from bill, the validity period of the security deposit shall be six months from the date of actual completion of work.

9. ELECTRIC POWER & WATER:

Electricity & water for Supplying and Laying etc of equipment shall be provided by the BSNL free of cost. BSNL however does not guarantee the continuity of supply and no compensation whatsoever shall be allowed on this account.

10. INCREASE/DECREASE OF TENDERED QUANTITY

a) BSNL will have the right to increase or decrease up to 25% of the contract value depending upon the requirement 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.

b) In exceptional situation where the requirement is of emergent nature and it is necessary to ensure continued supplies from the existing vendors, the purchase reserves the right to place repeat order up to 50% of the quantities of goods and services contained in the running tender/contract within a period of twelve months from the date of award of work at the same rate or a rate negotiated (downwardly) with the existing vendors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in duties and taxes etc.

11.1 Completion of work

At the time of issuing NIT for a particular work, the time allowed for completion of work consistent with magnitude and urgency of work is specified. The time allowed for carrying out the work as entered in the contract is reckoned from the 10<sup>th</sup> day after the date on which the orders to commence the work are given to the contractor. To ensure good progress of the work during the execution, the contractor is bound, in all cases, in which the time allowed for any work exceeds one month (except special jobs), to complete 1/8<sup>th</sup> of the whole work before 1/8<sup>th</sup> of the time allowed under the contract has elapsed, 3/8<sup>th</sup> of work before 1/2 of the time has elapsed and 3/4<sup>th</sup> of the work before 3/4<sup>th</sup> of such time has elapsed. However, for special jobs, if the contractor has submitted a time schedule and the same has been accepted by the Engineer –in-charge, the contractor shall comply with such time schedule.

For air conditioning, Engine Alternator, Fire detection the work is deemed to have been completed after successful completion of the initial acceptance testing as per the departmental standards by T&D circle. For sub Station work, the date of clearance from electrical inspector is taken as

completion date & for wet riser system the date of clearance by Fir officers shall be taken as completion date.

12.1 If the contractor shall desire an extension of time for completion of work on the grounds of his having been unavoidably hindered in its execution or on any other ground, he shall apply in writing to the Engineer-in-charge within 30 days of the hindrance on the account on which he desires such extension as aforesaid, and the Engineer-in-charge shall, if in his opinion reasonable grounds to be shown therefore, authorize such provisional extension of time, if any, as in his opinion be necessary or proper.

**12.2 COMPENSATION FOR DELAY:**

If the contractor fails to maintain the required progress or complete the work and clear the site on or before the stipulated date of completion of contract or extended date of completion, he has to pay the compensation for delay which is limited to 0.5% per week of the work order value for the first 10 weeks and 0.7% per week for the next 10 weeks and thereafter subject to a maximum of 12 % of the work order value for the location where the work is delayed and the firm is found responsible for the same. Flow chart of the procurement process / contract shall be supplied by the contractor and approved by Executive Engineer concerned.

13. Offer should be clear. Any ambiguous offer is liable for rejection by the BSNL. The decision of BSNL on in this regard shall be final and binding on the tenderer.

**Name of work: - Provision of Electrical works for CSC Kathua (Sh:- ITC of AC units & Associated works)**

<u>S.No</u>	<u>Description of item</u>	<u>Oty</u>	<u>Rate</u>	<u>Unit</u>	<u>Amount</u>
1	Installation of existing 1.5 / 2 TR split air-conditioner on wall complete with fixing of indoor / outdoor units , laying of refrigeration piping ( both hot gas and liquid lines ) , laying of 3 core copper lead , complete with insulation and flexible cover piping , testing and commissioning of A/C unit as reqd.	4 Nos.		Each	
2	Providing additional copper refrigeration piping along with 3 core copper leads , insulating material and pvc flexible covering pipe for installation of existing 2 TR split air-conditioners complete as reqd.	32 Mtr.		Mtr.	
3	Supplying of following M.S.accessories & fabricating the same into desired shapes of angle frames / spare boxes complete with fixing / grouting etc. as reqd.				
	(a). 40mm x 40mm x 5mm M.S. angle iron	18 Mtr.		Mtr.	
4	Supplying & laying 20mm dia heavy-duty PVC. pipe with pipe fittings etc. for water pipeline / AC drain complete with cutting the floor & excavation (if reqd.), & making good the damages as required.	24 Mtr.		Mtr.	
5	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:				
	(a). 20 mm	60 Mtr.		Mtr.	
6	Supplying & Fixing step type fan regulator in the existing board i/c connection & testing complete as reqd.	5 Nos.		Each	
7	Supplying & Fixing 40 watt tube rods in the existing fitting testing complete as reqd.	13 Nos.		Each	

8	Supplying & fixing of batten holder with CFL including connections complete as reqd.	2 Nos.	Each
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**Sub Divisional Engineer (E)  
BSNL, Electrical, Sub Division-II  
JAMMU**

## **GENERAL SPECIFICATIONS:-**

- 1.0 The work shall be carried out as per latest CPWD specifications & I.E.rules amended upto date.**
- 2.0 Good workmanship is an essential requirement to be compiled with the entire work of manufacture , fabrication assembly and installation shall confirm to sound engineering practice.**
- 3.0 The layout of work will be given by the Engineer-in-charge or his duly authorized representative at the site of work.**
- 4.0 The work shall be treated as on works contract basis and the rates tendered shall be for complete item of work inclusive of all taxes , duties , works contract tax & levies etc. as applicable . No concession form will be issued by The BSNL.**
- 5.0 The works contract tax will be deducted from the bills as applicable in J&K.**
- 6.0 Security deposit will be released only after one year after the completion of work.**
- 7.0 No T&P will be issued by the BSNL.**
- 8.0 Un-approved material, brought to site of work shall have to be removed immediately by the contractor at his own risk & cost.**
- 9.0 Rates quoted shall be inclusive of packing, forwarding, insurance, freight, delivery at site and watch and ward of all the materials.**
- 10.0 All sundry fittings , assemblies , accessories , hardware items , foundation bolts , termination lugs for electrical connections and all other sundry items which are necessary for proper assembly and efficient working of the various components of the works, shall be deemed to have been included in the tender.**
- 11.0 The contractor shall be responsible for the repairing all damages and restoring the same to their original finish. He shall also remove all the unwanted and waste material arising out of his workmanship from the site , at his own cost.**
- 12.0 Temporary shed , if reqd. , over the storage space and looking arrangement shall be provided by the firm till completion of the work and final taking over of the installation be the BSNL.**
- 13.0 The contractor shall employ qualified engineer / supervisor as reqd. and intimate names of such person to the Engineer-in-charge on commencement of work. Failure to do so will attract penalty as per agreement.**

- 14.0 **The contractor should submit report certifying that no dues are pending towards labour charges. In case of failure to do so an amount of Rs. 2500/- will be deducted from his bill.**
- 15.0 **Lugs should be provided while termination of G.I.wire for earth continuity without any extra payment.**
- 16.0 **The contractor shall furnish the test certificates for all the equipments and panels. Necessary instruction manuals ,**
- 17.0 **The firm shall furnish the guarantee for all the equipments against any manufacturing defect , defective workmanship , for a period of twelve months from the date of commissioning and handing over of installation for regular use.**
- 18.0 **Numbering & Sign-Writing of the entire installation shall be carried out by the firm as per instructions of the Engineer-in-charge , for which nothing extra shall be paid.**
- 19.0 **On completion of installation following tests shall be carried out by the contractor , in presence of the Engineer-in-charge :-**
  - a) **Insulation Resistance Test.**
  - b) **Polarity test.**
  - c) **Earth continuity test.**
  - d) **Earth electrode resistance test**

**ADDITIONAL SPECIFICATIONS FOR EI & FANS :**

- 1.** The layout of the work will be given by the Engineer-in-Charge or his duly authorized representative at the site of work.
- 2.** The following wirings shall be done on separate circuits :-
  - a. Power Plug wiring.
  - b. Light and Fan point wiring
  - c. Emergency light point wiring to / from battery.
  - d. Telephone wiring.
  - e. Clock wiring.
- 3.** The earthing shall be done in the presence of Engineer-in-charge or his duly authorized representative.
- 4.** The Agency should get the samples , of material to be used on work , approved from the Engineer-in-Charge or his duly authorized representative before use at site.
- 5.** The contractor will have to submit a detailed & legible completion plan (in triplicate). In case the contractor fails to submit the completion plan as aforesaid , he shall be liable to pay a sum equivalent to 2.5% of the value of work subject to a ceiling of Rs. 2,500/-.
- 6.** The contractor will have to carry out following tests, in presence of the engineer-in-Charge or his duly authorized representative , on completion of work , before final bill is paid . The necessary measuring instruments , tools & manpower for this purpose has to be arranged by the contractor without any extra cost. The tests are to be carried out as per CPWD guidelines.
  - a. Insulation resistance test.
  - b. Polarity test.
  - c. Earth continuity test.
  - d. Earth electrode resistance test.
- 7.** Any damage done to the building by the contractor during the execution of work shall have to be made good at his risk and cost , within a reasonable time determined by the Engineer-in-Charge . In case he fails to do so , same shall be got done by the BSNL at the risk and cost of contractor.
- 8.** At the time of laying conduit pipes in the slab and recess the contractor will keep fish wire of (14 swg G.I.wire) through conduit pipe and will have to take special care that the conduits do not pass through air conditioning ducts , grills , columns , beams etc. If any such necessity is foreseen special permission in writing has to be obtained from E-In-C.
- 9.** The material to be used should be as per approved product directory of BSNL. In case any material is not listed in the said directory, the make has to be got approved from E-in-c before use at site.
- 10.** Interconnection between bus bars / switch fuse units etc. above 100 amps. Rating shall be done with Solid copper conductor.
- 11.** For conduits along with accessories already laid , recovery shall be effected on the basis of DSR-94 rates +/- abatement of this tender on linear basis.

### **SPECIFICATIONS FOR PANEL :-**

1. The cubicle panel shall be indoor, floor mounting type , suitable for three phase 415 volts ,50 hz , AC supply.
2. The Panel shall be fabricated out of 16 gauge MS sheet having separate compartments for switches, bus bars & cables etc.
3. The Panel shall be complete with interconnections, with lugs, ferrules, rubber gasket, sign writing, danger notice plate etc.
4. Ventilation spouts with wire mesh inside should be provided.
5. Panel should have 2 nos. earthing points & 25 mm x 5 mm. Copper / G.I strip should be provide all along the entire width of panel.
6. Provision shall be made for top & bottom entry of incoming / outgoing cables in cable alley.
7. Necessary clamps / “C” channel shall be provided in cable alley for flexible cable / wires etc.
8. Colour code to connection wires of switches / busbars etc. shall be made in panel.
9. dimension 7 Layout of cubicle panel , if indicated in the Tender is tentative . agency should submit the detailed drawings & get the approval of Engineer-in-Charge.
10. All meters should be of 96 mm. X 96 mm. Size with selector switches of approved makes.
11. CT's of class-'A' for metering purpose shall be provided with fixing arrangement.
12. Knobs should be of CAM type.
13. Indicating lamps should be LED type ( having three LED's in one lamp).
14. Panel shall be seven tank processed / powder coated .
15. For switchgear of 100 Amps. Rating and solid connection using bus bar shall be brought out in cable alley for incoming / outgoing connections.
16. For switchgear of less than 100 Amps. Connection from bus bar connector in cable alley shall be provided with copper wire.
17. The panel colour shall be preferably Siemen grey colour

**SCHEDULE SHOWING APPROXIMATE QUANTITY OF MATERIALS TO BE SUPPLIED BY BSNL FOR WORK CONTRACTED TO BE EXECUTED FREE OF COST AT DIVISIONAL STORES**

\*\*\*\*\*

***NOTE :- The material is to be carried from stores to site of work by the agency , at his own risk and cost and nothing extra shall be paid on account of such cartage***

<u>SR. NO.</u>	<u>ITEM</u>	<u>QTY.</u>
	NIL	

**LIST OF APPROVED MAKES FOR ELECTRICAL INSTALLATIONS EFFECTIVE FROM AUGUST-03 -  
--TEZ CHANDIGARH**

S.NO.	ITEM	APPROVED MAKE
1	MCCB ( ADJUSTABLE RANGE)	Siemens / L&T / GE Power Controls / Control & Switchgear / Schneider ( CG ) / MDS Legrand / Standard ( Upto 600A valid upto 31-07-2004 ) / Havell's ( Upto 600A valid 31-7-2004)
2	TPN SWITCHES AND HRC FUSES	Siemens / L&T / GE Power Controls / Havell's / H.H.Elcon / Indo-Asian / Schneider ( CG ) / HPL / Control & Switchgears / Standard ( Upto 600A valid upto 31-07-2004 )
3	C.T.	AE / IMP / Marshall / Pactil / Kappa / L&T / Ashmor / Indcoil / Waco / Meco
4	AMMETER / VOLTMETER ( DIGITAL )	Enercon / Indotech / AE / IMP / Universal / Reshabh / Kaycee / Yokins ( valid upto 31-07-2004 )
5	SELECTOR SWITCH	L&T / KAYCEE / AE / IMP / Thakoor / Reco / Vaishno / Selzer / Rasscontrol / Veeco Switchgears / HPL
6	INDICATING LAMP ( L.E.D. TYPE )	Vaishno / Siemens / L&T / AE / IMP / Rasscontrol / Teknie / Schneider / KAYCEE / Veeco Switchgears / Essen Deinki
7	CAPACITOR	Khatau Junkar / Crompton / L&T / Universal Electric / Usha / AE / IMP / Siemens ( EPCOS )
8	XLPE CABLES ( UPTO 1.1 KV GRADE )	ISI Mark
9	RUBBER MATTING	ISI Mark
10	CABLE JOINT KIT	Raychern / M-seal / Densons
11	SINGLE PHASING PREVENTOR	L&T / Minilec / Zerotrip / Siemens
12	TIMERS ( ANALOG )	L&T / Indo Asian / MDS Legrand
13	I) MCBs & DISTRIBUTION BOARD	MDS Legrand / Bentex / Clariton / Havells / Indokopp / Siemens / Standard / HPL / GE / L&T / Protee
	II)ELCB	Standard / MDS / Havells / Datar / Siemens / G.E.Power Control / Schneider / Indo Asian / HPL
14	CHANGEOVER SWITCH	Standard / Havells / Control & switchgear / H-H Elcon / Indo Asian / HPL-Socomec
15	MONOBLOCK PUMP	Beacon / Batliboi / Kirloskar / Jyoti / KSB / Crompton / WASP / BE / PEC
16	STARTER	L&T / Siemens / BCH / ABB / GE Power Control
17	G.I / M.S. PIPE ( ISI MARK)	BST / TATA / ATL / ITC / ATC / IIA / JST / ITS / Jindal / Zenith / GSI /
18	FOOT VALVE	ISI Mark
19	GATE VALVE ( ISI MARK)	Sant / Leader / Trishul / Fountain / Annapurna
20	SUBMERMISIBLE PUMP	KSB / Calama / Amrut / Kirloskar / PEC / BS
21	CONTACTORS	Siemens / L&T / GE Power Controls / Schneider ( CG ) / Laxmi
22	MULTIFUNCTION DIGITAL METERS	Neptune Ducati / Enercon / L&T / HPL-Socomec / Secure ( Valid upto 31-07-2004 )

***PROFORMA OF SCHEDULES***

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

**SCHEDULE 'A'**

Schedule of quantities ( as per PWD – 3 )

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor

S.No.	Description of item	Quantity	Rates in figures & Words at which the Material will be charged To the contractor	Place of issue
1.	2	3	4	5

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

Sr.No.	Description	Hire charges per day	Place of issue
1.	2	3	4

**SCHEDULE 'D'**

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

**NIL****SCHEDULE 'E'**

Schedule of component of Materials, Labour etc. for escalation

**CLAUSE 10 CC****Not applicable**

Component of materials Expressed as per cent of total value of work	“X” .....	%
Component of labour Expressed as per cent of total value of work	“Y” .....	%
Component of P.O.L. Expressed as per cent of total value of work	“Z” .....	%

**SCHEDULE 'F'****Reference to General Conditions of contract.**



**Clause 11**

Specification to be followed  
For execution of workS

AS PER PAGE NOS 37 to 44

**Clause 12**

Sub clause

(iii)

Schedule of rates for determining rates for additional, altered or substituted items that cannot be determined under 12 (i)&(ii)

DSR -94 INTERNAL  
DSR -95 EXTERNAL

**Clause 36(i)**

Maximum qualifications & experience Required for Principal Technical Representative.

- |      |  |   |
|------|--|---|
| a)   | For works with estimated cost put To tender more than  |   |
| (i)  | Rs. 10 lakhs for civil work  | Graduate or retired AE possessing at least recognized diploma |
| (ii) | Rs.5 lakhs for Elec/Mech Works   |   |
| b)   | For works with estimated cost Put to tender  |   |
| (i)  | More than Rs.5 lakhs but less than Rs.10 lakhs for Civil Works                                       | Recognized Diploma holder                                     |
| (ii) | More than Rs.1 lakh but less Than Rs.5 lakh but less than Rs.5 lakh for Elect/Mech works             |   |
| c)   | Discipline to which the Principal Technical representative should belong                             | Civil/Elec./Mech  |
| d)   | Minimum experience of works  | Three years   |
| e)   | Recovery to be effected from the Contractor in the event of not Fulfilling provision of clause 36(i) | Rs.4,000/- p.m. for Graduate<br>Rs.2,000/- for diploma holder |